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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-58280-1
Client Project/Site: Hoopeston, IL

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

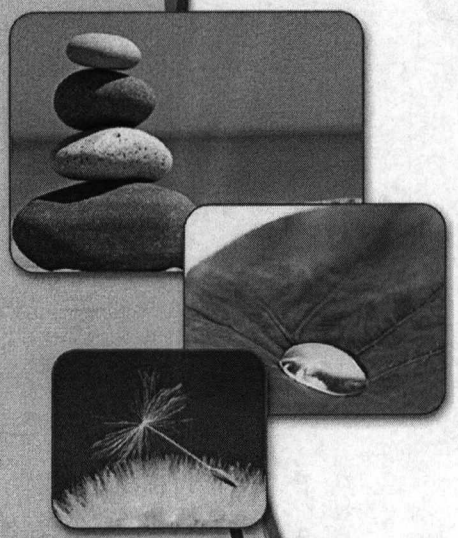
Attn: Ms. Tonya Balla

Cindy Pritchard

Authorized for release by:
6/21/2013 4:51:47 PM
Cindy Pritchard, Project Mgmt. Assistant
cindy.pritchard@testamericainc.com

Designee for

Richard Wright, Project Manager II
richard.wright@testamericainc.com



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 500-58280-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-58280-1

Comments
No additional comments.

Receipt
The samples were received on 6/21/2013 7:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.4° C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) for batch 190600 recovered outside control limits for the following analyte: Bromomethane.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: One surrogate recovery failed to meet control limits for the following sample JRF-W01-20130620 (500-58280-1), JRF-W02-20130620 (500-58280-2). All surrogate recoveries were greater than 10%. No further action was required.

Method(s) 8270D: Due to the level of dilution required for the following sample, surrogate recoveries are not reported: JRF-W01-20130620 (500-58280-1).

Method(s) 8270D: The following sample was diluted due to the abundance of target and non-target analytes: JRF-W01-20130620 (500-58280-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The matrix duplicate %RPD for sample 500-58280-1 was outside the control limits for Fe.

No other analytical or quality issues were noted.

General Chemistry
Method(s) 9034: The sulfide matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample JRF-W02-20130620 (500-58280-2) in batch 190649 were outside control limits (possibly due to a matrix interference). The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Client Sample ID: JRF-W01-20130620 — Lab Sample ID: 500-58280-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	1.3		1.0	0.18	ug/L	1		8260B	Total/NA
Benzene	150		0.50	0.074	ug/L	1		8260B	Total/NA
Trichloroethene	0.73		0.50	0.19	ug/L	1		8260B	Total/NA
Toluene	180		0.50	0.11	ug/L	1		8260B	Total/NA
2-Hexanone	9.3		5.0	0.56	ug/L	1		8260B	Total/NA
Chlorobenzene	2.2		1.0	0.14	ug/L	1		8260B	Total/NA
Ethylbenzene	33		0.50	0.13	ug/L	1		8260B	Total/NA
Xylenes, Total	120		1.0	0.068	ug/L	1		8260B	Total/NA
Styrene	22		1.0	0.10	ug/L	1		8260B	Total/NA
Isopropylbenzene	3.2		1.0	0.14	ug/L	1		8260B	Total/NA
Acetone - DL	1000		50	13	ug/L	10		8260B	Total/NA
Methyl Ethyl Ketone - DL	290		50	15	ug/L	10		8260B	Total/NA
methyl isobutyl ketone - DL	590		50	3.3	ug/L	10		8260B	Total/NA
Acetophenone	85		19	2.9	ug/L	5		8270D	Total/NA
Naphthalene	66		3.7	0.58	ug/L	5		8270D	Total/NA
2-Methylnaphthalene	8.8		1.9	0.31	ug/L	5		8270D	Total/NA
Acenaphthylene	4.0		3.7	0.50	ug/L	5		8270D	Total/NA
Phenanthrene	2.1	J	3.7	0.79	ug/L	5		8270D	Total/NA
3 & 4 Methylphenol	140		7.4	0.87	ug/L	5		8270D	Total/NA
Phenol - DL	530		190	24	ug/L	50		8270D	Total/NA
2-Methylphenol - DL	360		74	10	ug/L	50		8270D	Total/NA
Caprolactam - DL2	6600		3700	1900	ug/L	500		8270D	Total/NA
Aluminum	0.21	B	0.20	0.042	mg/L	1		6010B	Total/NA
Antimony	0.023		0.020	0.0039	mg/L	1		6010B	Total/NA
Arsenic	0.0036	J	0.010	0.0026	mg/L	1		6010B	Total/NA
Barium	0.13		0.010	0.0011	mg/L	1		6010B	Total/NA
Beryllium	0.00062	J B	0.0040	0.00043	mg/L	1		6010B	Total/NA
Cadmium	0.0011	J B	0.0020	0.00026	mg/L	1		6010B	Total/NA
Calcium	92	B	0.20	0.032	mg/L	1		6010B	Total/NA
Chromium	0.0011	J	0.010	0.0010	mg/L	1		6010B	Total/NA
Cobalt	0.056		0.0050	0.00045	mg/L	1		6010B	Total/NA
Copper	0.017		0.010	0.0019	mg/L	1		6010B	Total/NA
Iron	0.52		0.20	0.043	mg/L	1		6010B	Total/NA
Lead	0.0052	B	0.0050	0.0023	mg/L	1		6010B	Total/NA
Magnesium	39	B	0.10	0.014	mg/L	1		6010B	Total/NA
Manganese	0.19		0.010	0.00094	mg/L	1		6010B	Total/NA
Nickel	0.0058	J	0.010	0.0012	mg/L	1		6010B	Total/NA
Potassium	14		0.50	0.063	mg/L	1		6010B	Total/NA
Sodium	34		1.0	0.14	mg/L	1		6010B	Total/NA
Vanadium	0.0027	J B	0.0050	0.00056	mg/L	1		6010B	Total/NA
Zinc	0.20	B	0.020	0.0025	mg/L	1		6010B	Total/NA
Mercury	0.00013	J	0.00020	0.000064	mg/L	1		7470A	Total/NA
pH	7.75	HF	0.200	0.200	SU	1		9040C	Total/NA

Client Sample ID: JRF-W02-20130620 — Lab Sample ID: 500-58280-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.28	J	0.50	0.11	ug/L	1		8260B	Total/NA
Aluminum	0.092	J B	0.20	0.042	mg/L	1		6010B	Total/NA
Antimony	0.023		0.020	0.0039	mg/L	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: JRF-W02-20130620 (Continued) — Lab Sample ID: 500-58280-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0040	J	0.010	0.0026	mg/L	1		6010B	Total/NA
Barium	0.0069	J	0.010	0.0011	mg/L	1		6010B	Total/NA
Cadmium	0.0010	J B	0.0020	0.00026	mg/L	1		6010B	Total/NA
Calcium	52	B	0.20	0.032	mg/L	1		6010B	Total/NA
Cobalt	0.013		0.0050	0.00045	mg/L	1		6010B	Total/NA
Copper	0.0038	J	0.010	0.0019	mg/L	1		6010B	Total/NA
Iron	0.062	J	0.20	0.043	mg/L	1		6010B	Total/NA
Magnesium	41	B	0.10	0.014	mg/L	1		6010B	Total/NA
Manganese	0.016		0.010	0.00094	mg/L	1		6010B	Total/NA
Potassium	260		0.50	0.063	mg/L	1		6010B	Total/NA
Selenium	0.0062	J	0.010	0.0046	mg/L	1		6010B	Total/NA
Sodium	71		1.0	0.14	mg/L	1		6010B	Total/NA
Vanadium	0.0021	J B	0.0050	0.00056	mg/L	1		6010B	Total/NA
Zinc	0.078	B	0.020	0.0025	mg/L	1		6010B	Total/NA
Mercury	0.00010	J	0.00020	0.000064	mg/L	1		7470A	Total/NA
pH	9.20	HF	0.200	0.200	SU	1		9040C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-58280-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL CHI
9040C	pH	SW846	TAL CHI

Protocol References:

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

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-58280-1	JRF-W01-20130620	Water	06/20/13 20:20	06/21/13 07:30
500-58280-2	JRF-W02-20130620	Water	06/20/13 22:55	06/21/13 07:30
500-58280-3	Trip Blank	Water	06/20/13 00:00	06/21/13 07:30

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Client Sample ID: JRF-W01-20130620
Date Collected: 06/20/13 20:20
Date Received: 06/21/13 07:30

Lab Sample ID: 500-58280-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0	0.20	ug/L			06/21/13 11:13	1
Chloromethane	**1.3**		1.0	0.18	ug/L			06/21/13 11:13	1
Vinyl chloride	<0.50		0.50	0.10	ug/L			06/21/13 11:13	1
Bromomethane	<1.0	*	1.0	0.31	ug/L			06/21/13 11:13	1
Chloroethane	<1.0		1.0	0.34	ug/L			06/21/13 11:13	1
Trichlorofluoromethane	<1.0		1.0	0.19	ug/L			06/21/13 11:13	1
1,1-Dichloroethene	<1.0		1.0	0.31	ug/L			06/21/13 11:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0	0.22	ug/L			06/21/13 11:13	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			06/21/13 11:13	1
Methyl acetate	<2.0		2.0	0.53	ug/L			06/21/13 11:13	1
Methylene Chloride	<5.0		5.0	0.68	ug/L			06/21/13 11:13	1
trans-1,2-Dichloroethene	<1.0		1.0	0.25	ug/L			06/21/13 11:13	1
Methyl tert-butyl ether	<1.0		1.0	0.24	ug/L			06/21/13 11:13	1
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			06/21/13 11:13	1
cis-1,2-Dichloroethene	<1.0		1.0	0.12	ug/L			06/21/13 11:13	1
Chloroform	<1.0		1.0	0.20	ug/L			06/21/13 11:13	1
1,1,1-Trichloroethane	<1.0		1.0	0.20	ug/L			06/21/13 11:13	1
Cyclohexane	<1.0		1.0	0.23	ug/L			06/21/13 11:13	1
Carbon tetrachloride	<1.0		1.0	0.26	ug/L			06/21/13 11:13	1
Benzene	**150**		0.50	0.074	ug/L			06/21/13 11:13	1
1,2-Dichloroethane	<1.0		1.0	0.28	ug/L			06/21/13 11:13	1
Trichloroethene	**0.73**		0.50	0.19	ug/L			06/21/13 11:13	1
Methylcyclohexane	<1.0		1.0	0.14	ug/L			06/21/13 11:13	1
1,2-Dichloropropane	<1.0		1.0	0.20	ug/L			06/21/13 11:13	1
Bromodichloromethane	<1.0		1.0	0.17	ug/L			06/21/13 11:13	1
cis-1,3-Dichloropropene	<1.0		1.0	0.18	ug/L			06/21/13 11:13	1
Toluene	**180**		0.50	0.11	ug/L			06/21/13 11:13	1
trans-1,3-Dichloropropene	<1.0		1.0	0.21	ug/L			06/21/13 11:13	1
1,1,2-Trichloroethane	<1.0		1.0	0.28	ug/L			06/21/13 11:13	1
Tetrachloroethene	<1.0		1.0	0.17	ug/L			06/21/13 11:13	1
2-Hexanone	**9.3**		5.0	0.56	ug/L			06/21/13 11:13	1
Dibromochloromethane	<1.0		1.0	0.32	ug/L			06/21/13 11:13	1
1,2-Dibromoethane	<1.0		1.0	0.36	ug/L			06/21/13 11:13	1
Chlorobenzene	**2.2**		1.0	0.14	ug/L			06/21/13 11:13	1
Ethylbenzene	**33**		0.50	0.13	ug/L			06/21/13 11:13	1
Xylenes, Total	**120**		1.0	0.068	ug/L			06/21/13 11:13	1
Styrene	**22**		1.0	0.10	ug/L			06/21/13 11:13	1
Bromoform	<1.0		1.0	0.28	ug/L			06/21/13 11:13	1
Isopropylbenzene	**3.2**		1.0	0.14	ug/L			06/21/13 11:13	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.23	ug/L			06/21/13 11:13	1
1,3-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/21/13 11:13	1
1,4-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/21/13 11:13	1
1,2-Dichlorobenzene	<1.0		1.0	0.27	ug/L			06/21/13 11:13	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	0.87	ug/L			06/21/13 11:13	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.31	ug/L			06/21/13 11:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 125*		*06/21/13 11:13*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*06/21/13 11:13*	*1*

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Client Sample ID: JRF-W01-20130620

Lab Sample ID: 500-58280-1

Date Collected: 06/20/13 20:20
Matrix: Water
Date Received: 06/21/13 07:30

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*75 - 120*		*06/21/13 11:13*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*06/21/13 11:13*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1000**		50	13	ug/L			06/21/13 12:02	10
Methyl Ethyl Ketone	**290**		50	15	ug/L			06/21/13 12:02	10
methyl isobutyl ketone	**590**		50	3.3	ug/L			06/21/13 12:02	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 125*		*06/21/13 12:02*	*10*
Toluene-d8 (Surr)	*98*		*75 - 120*		*06/21/13 12:02*	*10*
4-Bromofluorobenzene (Surr)	*102*		*75 - 120*		*06/21/13 12:02*	*10*
Dibromofluoromethane	*99*		*75 - 120*		*06/21/13 12:02*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	<37	*	37	19	ug/L		06/21/13 08:00	06/21/13 12:45	5
Bis(2-chloroethyl)ether	<7.4		7.4	0.79	ug/L		06/21/13 08:00	06/21/13 12:45	5
2-Chlorophenol	<19		19	2.4	ug/L		06/21/13 08:00	06/21/13 12:45	5
2,2'-oxybis[1-chloropropane]	<7.4		7.4	0.68	ug/L		06/21/13 08:00	06/21/13 12:45	5
Acetophenone	**85**		19	2.9	ug/L		06/21/13 08:00	06/21/13 12:45	5
N-Nitrosodi-n-propylamine	<1.9		1.9	0.89	ug/L		06/21/13 08:00	06/21/13 12:45	5
Hexachloroethane	<19		19	2.1	ug/L		06/21/13 08:00	06/21/13 12:45	5
Nitrobenzene	<3.7		3.7	0.78	ug/L		06/21/13 08:00	06/21/13 12:45	5
Isophorone	<7.4		7.4	0.67	ug/L		06/21/13 08:00	06/21/13 12:45	5
2-Nitrophenol	<37		37	5.3	ug/L		06/21/13 08:00	06/21/13 12:45	5
2,4-Dimethylphenol	<37		37	7.0	ug/L		06/21/13 08:00	06/21/13 12:45	5
Bis(2-chloroethoxy)methane	<7.4		7.4	0.80	ug/L		06/21/13 08:00	06/21/13 12:45	5
2,4-Dichlorophenol	<37		37	4.4	ug/L		06/21/13 08:00	06/21/13 12:45	5
Naphthalene	**66**		3.7	0.58	ug/L		06/21/13 08:00	06/21/13 12:45	5
4-Chloroaniline	<37		37	8.2	ug/L		06/21/13 08:00	06/21/13 12:45	5
Hexachlorobutadiene	<19		19	2.8	ug/L		06/21/13 08:00	06/21/13 12:45	5
4-Chloro-3-methylphenol	<37		37	5.1	ug/L		06/21/13 08:00	06/21/13 12:45	5
2-Methylnaphthalene	**8.8**		1.9	0.31	ug/L		06/21/13 08:00	06/21/13 12:45	5
Hexachlorocyclopentadiene	<74		74	7.0	ug/L		06/21/13 08:00	06/21/13 12:45	5
2,4,6-Trichlorophenol	<19		19	2.5	ug/L		06/21/13 08:00	06/21/13 12:45	5
2,4,5-Trichlorophenol	<37		37	6.7	ug/L		06/21/13 08:00	06/21/13 12:45	5
1,1'-Biphenyl	<19		19	9.3	ug/L		06/21/13 08:00	06/21/13 12:45	5
2-Chloronaphthalene	<7.4		7.4	0.60	ug/L		06/21/13 08:00	06/21/13 12:45	5
2-Nitroaniline	<19		19	4.3	ug/L		06/21/13 08:00	06/21/13 12:45	5
Dimethyl phthalate	<7.4		7.4	0.62	ug/L		06/21/13 08:00	06/21/13 12:45	5
2,6-Dinitrotoluene	<1.9		1.9	0.37	ug/L		06/21/13 08:00	06/21/13 12:45	5
Acenaphthylene	**4.0**		3.7	0.50	ug/L		06/21/13 08:00	06/21/13 12:45	5
3-Nitroaniline	<37		37	4.2	ug/L		06/21/13 08:00	06/21/13 12:45	5
Acenaphthene	<3.7		3.7	0.46	ug/L		06/21/13 08:00	06/21/13 12:45	5
2,4-Dinitrophenol	<74		74	3.9	ug/L		06/21/13 08:00	06/21/13 12:45	5
4-Nitrophenol	<74		74	8.6	ug/L		06/21/13 08:00	06/21/13 12:45	5
Dibenzofuran	<7.4		7.4	0.63	ug/L		06/21/13 08:00	06/21/13 12:45	5
2,4-Dinitrotoluene	<3.7		3.7	0.77	ug/L		06/21/13 08:00	06/21/13 12:45	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Client Sample ID: JRF-W01-20130620
Date Collected: 06/20/13 20:20
Date Received: 06/21/13 07:30

Lab Sample ID: 500-58280-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<7.4		7.4	0.65	ug/L		06/21/13 08:00	06/21/13 12:45	5
Fluorene	<3.7		3.7	0.62	ug/L		06/21/13 08:00	06/21/13 12:45	5
4-Chlorophenyl phenyl ether	<19		19	2.6	ug/L		06/21/13 08:00	06/21/13 12:45	5
4-Nitroaniline	<37		37	9.7	ug/L		06/21/13 08:00	06/21/13 12:45	5
4,6-Dinitro-2-methylphenol	<74		74	6.6	ug/L		06/21/13 08:00	06/21/13 12:45	5
N-Nitrosodiphenylamine	<3.7		3.7	0.69	ug/L		06/21/13 08:00	06/21/13 12:45	5
4-Bromophenyl phenyl ether	<19		19	1.9	ug/L		06/21/13 08:00	06/21/13 12:45	5
Hexachlorobenzene	<1.9		1.9	0.39	ug/L		06/21/13 08:00	06/21/13 12:45	5
Atrazine	<19		19	9.3	ug/L		06/21/13 08:00	06/21/13 12:45	5
Pentachlorophenol	<74		74	6.7	ug/L		06/21/13 08:00	06/21/13 12:45	5
Phenanthrene	**2.1**	**J**	3.7	0.79	ug/L		06/21/13 08:00	06/21/13 12:45	5
Anthracene	<3.7		3.7	0.69	ug/L		06/21/13 08:00	06/21/13 12:45	5
Carbazole	<19		19	2.4	ug/L		06/21/13 08:00	06/21/13 12:45	5
Di-n-butyl phthalate	<19		19	3.0	ug/L		06/21/13 08:00	06/21/13 12:45	5
Fluoranthene	<3.7		3.7	0.76	ug/L		06/21/13 08:00	06/21/13 12:45	5
Pyrene	<3.7		3.7	0.85	ug/L		06/21/13 08:00	06/21/13 12:45	5
Butyl benzyl phthalate	<7.4		7.4	0.99	ug/L		06/21/13 08:00	06/21/13 12:45	5
3,3'-Dichlorobenzidine	<19		19	2.4	ug/L		06/21/13 08:00	06/21/13 12:45	5
Benzo[a]anthracene	<0.74		0.74	0.24	ug/L		06/21/13 08:00	06/21/13 12:45	5
Chrysene	<1.9		1.9	0.35	ug/L		06/21/13 08:00	06/21/13 12:45	5
Bis(2-ethylhexyl) phthalate	<37		37	8.4	ug/L		06/21/13 08:00	06/21/13 12:45	5
Di-n-octyl phthalate	<37		37	6.1	ug/L		06/21/13 08:00	06/21/13 12:45	5
Benzo[b]fluoranthene	<0.74		0.74	0.30	ug/L		06/21/13 08:00	06/21/13 12:45	5
Benzo[k]fluoranthene	<0.74		0.74	0.63	ug/L		06/21/13 08:00	06/21/13 12:45	5
Benzo[a]pyrene	<0.74		0.74	0.28	ug/L		06/21/13 08:00	06/21/13 12:45	5
Indeno[1,2,3-cd]pyrene	<0.74		0.74	0.29	ug/L		06/21/13 08:00	06/21/13 12:45	5
Dibenz(a,h)anthracene	<1.1		1.1	0.42	ug/L		06/21/13 08:00	06/21/13 12:45	5
Benzo[g,h,i]perylene	<3.7		3.7	1.8	ug/L		06/21/13 08:00	06/21/13 12:45	5
3 & 4 Methylphenol	**140**		7.4	0.87	ug/L		06/21/13 08:00	06/21/13 12:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*79*		*32 - 110*	*06/21/13 08:00*	*06/21/13 12:45*	*5*
Phenol-d5 (Surr)	*23*	*X*	*25 - 100*	*06/21/13 08:00*	*06/21/13 12:45*	*5*
Nitrobenzene-d5 (Surr)	*93*		*47 - 134*	*06/21/13 08:00*	*06/21/13 12:45*	*5*
2-Fluorobiphenyl	*66*		*41 - 132*	*06/21/13 08:00*	*06/21/13 12:45*	*5*
2,4,6-Tribromophenol (Surr)	*89*		*53 - 150*	*06/21/13 08:00*	*06/21/13 12:45*	*5*
Terphenyl-d14 (Surr)	*86*		*59 - 150*	*06/21/13 08:00*	*06/21/13 12:45*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**530**		190	24	ug/L		06/21/13 08:00	06/21/13 13:34	50
2-Methylphenol	**360**		74	10	ug/L		06/21/13 08:00	06/21/13 13:34	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	**6600**		3700	1900	ug/L		06/21/13 08:00	06/21/13 14:23	500

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.21**	**B**	0.20	0.042	mg/L		06/21/13 08:15	06/21/13 12:07	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Client Sample ID: JRF-W01-20130620

Lab Sample ID: 500-58280-1

Date Collected: 06/20/13 20:20
Matrix: Water
Date Received: 06/21/13 07:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.023		0.020	0.0039	mg/L		06/21/13 08:15	06/21/13 12:07	1
Arsenic	0.0036	J	0.010	0.0026	mg/L		06/21/13 08:15	06/21/13 12:07	1
Barium	0.13		0.010	0.0011	mg/L		06/21/13 08:15	06/21/13 12:07	1
Beryllium	0.00062	J B	0.0040	0.00043	mg/L		06/21/13 08:15	06/21/13 12:07	1
Cadmium	0.0011	J B	0.0020	0.00026	mg/L		06/21/13 08:15	06/21/13 12:07	1
Calcium	92	B	0.20	0.032	mg/L		06/21/13 08:15	06/21/13 12:07	1
Chromium	0.0011	J	0.010	0.0010	mg/L		06/21/13 08:15	06/21/13 12:07	1
Cobalt	0.056		0.0050	0.00045	mg/L		06/21/13 08:15	06/21/13 12:07	1
Copper	0.017		0.010	0.0019	mg/L		06/21/13 08:15	06/21/13 12:07	1
Iron	0.52		0.20	0.043	mg/L		06/21/13 08:15	06/21/13 14:12	1
Lead	0.0052	B	0.0050	0.0023	mg/L		06/21/13 08:15	06/21/13 12:07	1
Magnesium	39	B	0.10	0.014	mg/L		06/21/13 08:15	06/21/13 12:07	1
Manganese	0.19		0.010	0.00094	mg/L		06/21/13 08:15	06/21/13 12:07	1
Nickel	0.0058	J	0.010	0.0012	mg/L		06/21/13 08:15	06/21/13 12:07	1
Potassium	14		0.50	0.063	mg/L		06/21/13 08:15	06/21/13 12:07	1
Selenium	<0.010		0.010	0.0046	mg/L		06/21/13 08:15	06/21/13 12:07	1
Silver	<0.0050		0.0050	0.00057	mg/L		06/21/13 08:15	06/21/13 12:07	1
Sodium	34		1.0	0.14	mg/L		06/21/13 08:15	06/21/13 12:07	1
Thallium	<0.010		0.010	0.0029	mg/L		06/21/13 08:15	06/21/13 12:07	1
Vanadium	0.0027	J B	0.0050	0.00056	mg/L		06/21/13 08:15	06/21/13 12:07	1
Zinc	0.20	B	0.020	0.0025	mg/L		06/21/13 08:15	06/21/13 12:07	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00013	J	0.00020	0.000064	mg/L		06/21/13 08:20	06/21/13 10:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	0.13	mg/L		06/21/13 09:05	06/21/13 09:05	1
pH	7.75	HF	0.200	0.200	SU			06/21/13 14:38	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Client Sample ID: JRF-W02-20130620
Date Collected: 06/20/13 22:55
Date Received: 06/21/13 07:30

Lab Sample ID: 500-58280-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0	0.20	ug/L			06/21/13 11:38	1
Chloromethane	<1.0		1.0	0.18	ug/L			06/21/13 11:38	1
Vinyl chloride	<0.50		0.50	0.10	ug/L			06/21/13 11:38	1
Bromomethane	<1.0	*	1.0	0.31	ug/L			06/21/13 11:38	1
Chloroethane	<1.0		1.0	0.34	ug/L			06/21/13 11:38	1
Trichlorofluoromethane	<1.0		1.0	0.19	ug/L			06/21/13 11:38	1
1,1-Dichloroethene	<1.0		1.0	0.31	ug/L			06/21/13 11:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0	0.22	ug/L			06/21/13 11:38	1
Acetone	<5.0		5.0	1.3	ug/L			06/21/13 11:38	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			06/21/13 11:38	1
Methyl acetate	<2.0		2.0	0.53	ug/L			06/21/13 11:38	1
Methylene Chloride	<5.0		5.0	0.68	ug/L			06/21/13 11:38	1
trans-1,2-Dichloroethene	<1.0		1.0	0.25	ug/L			06/21/13 11:38	1
Methyl tert-butyl ether	<1.0		1.0	0.24	ug/L			06/21/13 11:38	1
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			06/21/13 11:38	1
cis-1,2-Dichloroethene	<1.0		1.0	0.12	ug/L			06/21/13 11:38	1
Methyl Ethyl Ketone	<5.0		5.0	1.5	ug/L			06/21/13 11:38	1
Chloroform	<1.0		1.0	0.20	ug/L			06/21/13 11:38	1
1,1,1-Trichloroethane	<1.0		1.0	0.20	ug/L			06/21/13 11:38	1
Cyclohexane	<1.0		1.0	0.23	ug/L			06/21/13 11:38	1
Carbon tetrachloride	<1.0		1.0	0.26	ug/L			06/21/13 11:38	1
Benzene	<0.50		0.50	0.074	ug/L			06/21/13 11:38	1
1,2-Dichloroethane	<1.0		1.0	0.28	ug/L			06/21/13 11:38	1
Trichloroethene	<0.50		0.50	0.19	ug/L			06/21/13 11:38	1
Methylcyclohexane	<1.0		1.0	0.14	ug/L			06/21/13 11:38	1
1,2-Dichloropropane	<1.0		1.0	0.20	ug/L			06/21/13 11:38	1
Bromodichloromethane	<1.0		1.0	0.17	ug/L			06/21/13 11:38	1
cis-1,3-Dichloropropene	<1.0		1.0	0.18	ug/L			06/21/13 11:38	1
methyl isobutyl ketone	<5.0		5.0	0.33	ug/L			06/21/13 11:38	1
Toluene	**0.28**	**J**	0.50	0.11	ug/L			06/21/13 11:38	1
trans-1,3-Dichloropropene	<1.0		1.0	0.21	ug/L			06/21/13 11:38	1
1,1,2-Trichloroethane	<1.0		1.0	0.28	ug/L			06/21/13 11:38	1
Tetrachloroethene	<1.0		1.0	0.17	ug/L			06/21/13 11:38	1
2-Hexanone	<5.0		5.0	0.56	ug/L			06/21/13 11:38	1
Dibromochloromethane	<1.0		1.0	0.32	ug/L			06/21/13 11:38	1
1,2-Dibromoethane	<1.0		1.0	0.36	ug/L			06/21/13 11:38	1
Chlorobenzene	<1.0		1.0	0.14	ug/L			06/21/13 11:38	1
Ethylbenzene	<0.50		0.50	0.13	ug/L			06/21/13 11:38	1
Xylenes, Total	<1.0		1.0	0.068	ug/L			06/21/13 11:38	1
Styrene	<1.0		1.0	0.10	ug/L			06/21/13 11:38	1
Bromoform	<1.0		1.0	0.28	ug/L			06/21/13 11:38	1
Isopropylbenzene	<1.0		1.0	0.14	ug/L			06/21/13 11:38	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.23	ug/L			06/21/13 11:38	1
1,3-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/21/13 11:38	1
1,4-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/21/13 11:38	1
1,2-Dichlorobenzene	<1.0		1.0	0.27	ug/L			06/21/13 11:38	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	0.87	ug/L			06/21/13 11:38	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.31	ug/L			06/21/13 11:38	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Client Sample ID: JRF-W02-20130620

Lab Sample ID: 500-58280-2

Date Collected: 06/20/13 22:55

Matrix: Water

Date Received: 06/21/13 07:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 125*		*06/21/13 11:38*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*06/21/13 11:38*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 120*		*06/21/13 11:38*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*06/21/13 11:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	<7.4		7.4	3.7	ug/L		06/21/13 08:00	06/21/13 13:10	1
Phenol	<3.7		3.7	0.47	ug/L		06/21/13 08:00	06/21/13 13:10	1
Bis(2-chloroethyl)ether	<1.5		1.5	0.16	ug/L		06/21/13 08:00	06/21/13 13:10	1
2-Chlorophenol	<3.7		3.7	0.47	ug/L		06/21/13 08:00	06/21/13 13:10	1
2-Methylphenol	<1.5		1.5	0.20	ug/L		06/21/13 08:00	06/21/13 13:10	1
2,2'-oxybis[1-chloropropane]	<1.5		1.5	0.14	ug/L		06/21/13 08:00	06/21/13 13:10	1
Acetophenone	<3.7		3.7	0.58	ug/L		06/21/13 08:00	06/21/13 13:10	1
N-Nitrosodi-n-propylamine	<0.37		0.37	0.18	ug/L		06/21/13 08:00	06/21/13 13:10	1
Hexachloroethane	<3.7		3.7	0.41	ug/L		06/21/13 08:00	06/21/13 13:10	1
Nitrobenzene	<0.74		0.74	0.16	ug/L		06/21/13 08:00	06/21/13 13:10	1
Isophorone	<1.5		1.5	0.13	ug/L		06/21/13 08:00	06/21/13 13:10	1
2-Nitrophenol	<7.4		7.4	1.1	ug/L		06/21/13 08:00	06/21/13 13:10	1
2,4-Dimethylphenol	<7.4		7.4	1.4	ug/L		06/21/13 08:00	06/21/13 13:10	1
Bis(2-chloroethoxy)methane	<1.5		1.5	0.16	ug/L		06/21/13 08:00	06/21/13 13:10	1
2,4-Dichlorophenol	<7.4		7.4	0.88	ug/L		06/21/13 08:00	06/21/13 13:10	1
Naphthalene	<0.74		0.74	0.11	ug/L		06/21/13 08:00	06/21/13 13:10	1
4-Chloroaniline	<7.4		7.4	1.6	ug/L		06/21/13 08:00	06/21/13 13:10	1
Hexachlorobutadiene	<3.7		3.7	0.56	ug/L		06/21/13 08:00	06/21/13 13:10	1
Caprolactam	<7.4		7.4	3.7	ug/L		06/21/13 08:00	06/21/13 13:10	1
4-Chloro-3-methylphenol	<7.4		7.4	1.0	ug/L		06/21/13 08:00	06/21/13 13:10	1
2-Methylnaphthalene	<0.37		0.37	0.062	ug/L		06/21/13 08:00	06/21/13 13:10	1
Hexachlorocyclopentadiene	<15		15	1.4	ug/L		06/21/13 08:00	06/21/13 13:10	1
2,4,6-Trichlorophenol	<3.7		3.7	0.49	ug/L		06/21/13 08:00	06/21/13 13:10	1
2,4,5-Trichlorophenol	<7.4		7.4	1.3	ug/L		06/21/13 08:00	06/21/13 13:10	1
1,1'-Biphenyl	<3.7		3.7	1.8	ug/L		06/21/13 08:00	06/21/13 13:10	1
2-Chloronaphthalene	<1.5		1.5	0.12	ug/L		06/21/13 08:00	06/21/13 13:10	1
2-Nitroaniline	<3.7		3.7	0.85	ug/L		06/21/13 08:00	06/21/13 13:10	1
Dimethyl phthalate	<1.5		1.5	0.12	ug/L		06/21/13 08:00	06/21/13 13:10	1
2,6-Dinitrotoluene	<0.37		0.37	0.073	ug/L		06/21/13 08:00	06/21/13 13:10	1
Acenaphthylene	<0.74		0.74	0.10	ug/L		06/21/13 08:00	06/21/13 13:10	1
3-Nitroaniline	<7.4		7.4	0.84	ug/L		06/21/13 08:00	06/21/13 13:10	1
Acenaphthene	<0.74		0.74	0.091	ug/L		06/21/13 08:00	06/21/13 13:10	1
2,4-Dinitrophenol	<15		15	0.78	ug/L		06/21/13 08:00	06/21/13 13:10	1
4-Nitrophenol	<15		15	1.7	ug/L		06/21/13 08:00	06/21/13 13:10	1
Dibenzofuran	<1.5		1.5	0.13	ug/L		06/21/13 08:00	06/21/13 13:10	1
2,4-Dinitrotoluene	<0.74		0.74	0.15	ug/L		06/21/13 08:00	06/21/13 13:10	1
Diethyl phthalate	<1.5		1.5	0.13	ug/L		06/21/13 08:00	06/21/13 13:10	1
Fluorene	<0.74		0.74	0.12	ug/L		06/21/13 08:00	06/21/13 13:10	1
4-Chlorophenyl phenyl ether	<3.7		3.7	0.51	ug/L		06/21/13 08:00	06/21/13 13:10	1
4-Nitroaniline	<7.4		7.4	1.9	ug/L		06/21/13 08:00	06/21/13 13:10	1
4,6-Dinitro-2-methylphenol	<15		15	1.3	ug/L		06/21/13 08:00	06/21/13 13:10	1
N-Nitrosodiphenylamine	<0.74		0.74	0.14	ug/L		06/21/13 08:00	06/21/13 13:10	1
4-Bromophenyl phenyl ether	<3.7		3.7	0.39	ug/L		06/21/13 08:00	06/21/13 13:10	1

Client Sample ID: JRF-W02-20130620
Date Collected: 06/20/13 22:55
Date Received: 06/21/13 07:30

Lab Sample ID: 500-58280-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	<0.37		0.37	0.078	ug/L		06/21/13 08:00	06/21/13 13:10	1
Atrazine	<3.7		3.7	1.8	ug/L		06/21/13 08:00	06/21/13 13:10	1
Pentachlorophenol	<15		15	1.3	ug/L		06/21/13 08:00	06/21/13 13:10	1
Phenanthrene	<0.74		0.74	0.16	ug/L		06/21/13 08:00	06/21/13 13:10	1
Anthracene	<0.74		0.74	0.14	ug/L		06/21/13 08:00	06/21/13 13:10	1
Carbazole	<3.7		3.7	0.48	ug/L		06/21/13 08:00	06/21/13 13:10	1
Di-n-butyl phthalate	<3.7		3.7	0.61	ug/L		06/21/13 08:00	06/21/13 13:10	1
Fluoranthene	<0.74		0.74	0.15	ug/L		06/21/13 08:00	06/21/13 13:10	1
Pyrene	<0.74		0.74	0.17	ug/L		06/21/13 08:00	06/21/13 13:10	1
Butyl benzyl phthalate	<1.5		1.5	0.20	ug/L		06/21/13 08:00	06/21/13 13:10	1
3,3'-Dichlorobenzidine	<3.7		3.7	0.49	ug/L		06/21/13 08:00	06/21/13 13:10	1
Benzo[a]anthracene	<0.15		0.15	0.048	ug/L		06/21/13 08:00	06/21/13 13:10	1
Chrysene	<0.37		0.37	0.069	ug/L		06/21/13 08:00	06/21/13 13:10	1
Bis(2-ethylhexyl) phthalate	<7.4		7.4	1.7	ug/L		06/21/13 08:00	06/21/13 13:10	1
Di-n-octyl phthalate	<7.4		7.4	1.2	ug/L		06/21/13 08:00	06/21/13 13:10	1
Benzo[b]fluoranthene	<0.15		0.15	0.060	ug/L		06/21/13 08:00	06/21/13 13:10	1
Benzo[k]fluoranthene	<0.15		0.15	0.12	ug/L		06/21/13 08:00	06/21/13 13:10	1
Benzo[a]pyrene	<0.15		0.15	0.056	ug/L		06/21/13 08:00	06/21/13 13:10	1
Indeno[1,2,3-cd]pyrene	<0.15		0.15	0.057	ug/L		06/21/13 08:00	06/21/13 13:10	1
Dibenz(a,h)anthracene	<0.22		0.22	0.084	ug/L		06/21/13 08:00	06/21/13 13:10	1
Benzo[g,h,i]perylene	<0.74		0.74	0.36	ug/L		06/21/13 08:00	06/21/13 13:10	1
3 & 4 Methylphenol	<1.5		1.5	0.17	ug/L		06/21/13 08:00	06/21/13 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*37*		*32 - 110*	*06/21/13 08:00*	*06/21/13 13:10*	*1*
Phenol-d5 (Surr)	*35*		*25 - 100*	*06/21/13 08:00*	*06/21/13 13:10*	*1*
Nitrobenzene-d5 (Surr)	*74*		*47 - 134*	*06/21/13 08:00*	*06/21/13 13:10*	*1*
2-Fluorobiphenyl	*82*		*41 - 132*	*06/21/13 08:00*	*06/21/13 13:10*	*1*
2,4,6-Tribromophenol (Surr)	*40*	*X*	*53 - 150*	*06/21/13 08:00*	*06/21/13 13:10*	*1*
Terphenyl-d14 (Surr)	*86*		*59 - 150*	*06/21/13 08:00*	*06/21/13 13:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.092**	**J B**	0.20	0.042	mg/L		06/21/13 08:15	06/21/13 12:27	1
Antimony	**0.023**		0.020	0.0039	mg/L		06/21/13 08:15	06/21/13 12:27	1
Arsenic	**0.0040**	**J**	0.010	0.0026	mg/L		06/21/13 08:15	06/21/13 12:27	1
Barium	**0.0069**	**J**	0.010	0.0011	mg/L		06/21/13 08:15	06/21/13 12:27	1
Beryllium	<0.0040		0.0040	0.00043	mg/L		06/21/13 08:15	06/21/13 12:27	1
Cadmium	**0.0010**	**J B**	0.0020	0.00026	mg/L		06/21/13 08:15	06/21/13 12:27	1
Calcium	**52**	**B**	0.20	0.032	mg/L		06/21/13 08:15	06/21/13 12:27	1
Chromium	<0.010		0.010	0.0010	mg/L		06/21/13 08:15	06/21/13 12:27	1
Cobalt	**0.013**		0.0050	0.00045	mg/L		06/21/13 08:15	06/21/13 12:27	1
Copper	**0.0038**	**J**	0.010	0.0019	mg/L		06/21/13 08:15	06/21/13 12:27	1
Iron	**0.062**	**J**	0.20	0.043	mg/L		06/21/13 08:15	06/21/13 14:32	1
Lead	<0.0050		0.0050	0.0023	mg/L		06/21/13 08:15	06/21/13 12:27	1
Magnesium	**41**	**B**	0.10	0.014	mg/L		06/21/13 08:15	06/21/13 12:27	1
Manganese	**0.016**		0.010	0.00094	mg/L		06/21/13 08:15	06/21/13 12:27	1
Nickel	<0.010		0.010	0.0012	mg/L		06/21/13 08:15	06/21/13 12:27	1
Potassium	**260**		0.50	0.063	mg/L		06/21/13 08:15	06/21/13 12:27	1
Selenium	**0.0062**	**J**	0.010	0.0046	mg/L		06/21/13 08:15	06/21/13 12:27	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Client Sample ID: JRF-W02-20130620

Lab Sample ID: 500-58280-2

Date Collected: 06/20/13 22:55
Matrix: Water
Date Received: 06/21/13 07:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.0050		0.0050	0.00057	mg/L		06/21/13 08:15	06/21/13 12:27	1
Sodium	**71**		1.0	0.14	mg/L		06/21/13 08:15	06/21/13 12:27	1
Thallium	<0.010		0.010	0.0029	mg/L		06/21/13 08:15	06/21/13 12:27	1
Vanadium	**0.0021**	**J B**	0.0050	0.00056	mg/L		06/21/13 08:15	06/21/13 12:27	1
Zinc	**0.078**	**B**	0.020	0.0025	mg/L		06/21/13 08:15	06/21/13 12:27	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00010**	**J**	0.00020	0.000064	mg/L		06/21/13 08:20	06/21/13 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	0.13	mg/L		06/21/13 09:07	06/21/13 09:07	1
pH	**9.20**	**HF**	0.200	0.200	SU			06/21/13 14:42	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-58280-3

Date Collected: 06/20/13 00:00
Date Received: 06/21/13 07:30

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0	0.20	ug/L			06/21/13 10:49	1
Chloromethane	<1.0		1.0	0.18	ug/L			06/21/13 10:49	1
Vinyl chloride	<0.50		0.50	0.10	ug/L			06/21/13 10:49	1
Bromomethane	<1.0	*	1.0	0.31	ug/L			06/21/13 10:49	1
Chloroethane	<1.0		1.0	0.34	ug/L			06/21/13 10:49	1
Trichlorofluoromethane	<1.0		1.0	0.19	ug/L			06/21/13 10:49	1
1,1-Dichloroethene	<1.0		1.0	0.31	ug/L			06/21/13 10:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0	0.22	ug/L			06/21/13 10:49	1
Acetone	<5.0		5.0	1.3	ug/L			06/21/13 10:49	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			06/21/13 10:49	1
Methyl acetate	<2.0		2.0	0.53	ug/L			06/21/13 10:49	1
Methylene Chloride	<5.0		5.0	0.68	ug/L			06/21/13 10:49	1
trans-1,2-Dichloroethene	<1.0		1.0	0.25	ug/L			06/21/13 10:49	1
Methyl tert-butyl ether	<1.0		1.0	0.24	ug/L			06/21/13 10:49	1
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			06/21/13 10:49	1
cis-1,2-Dichloroethene	<1.0		1.0	0.12	ug/L			06/21/13 10:49	1
Methyl Ethyl Ketone	<5.0		5.0	1.5	ug/L			06/21/13 10:49	1
Chloroform	<1.0		1.0	0.20	ug/L			06/21/13 10:49	1
1,1,1-Trichloroethane	<1.0		1.0	0.20	ug/L			06/21/13 10:49	1
Cyclohexane	<1.0		1.0	0.23	ug/L			06/21/13 10:49	1
Carbon tetrachloride	<1.0		1.0	0.26	ug/L			06/21/13 10:49	1
Benzene	<0.50		0.50	0.074	ug/L			06/21/13 10:49	1
1,2-Dichloroethane	<1.0		1.0	0.28	ug/L			06/21/13 10:49	1
Trichloroethene	<0.50		0.50	0.19	ug/L			06/21/13 10:49	1
Methylcyclohexane	<1.0		1.0	0.14	ug/L			06/21/13 10:49	1
1,2-Dichloropropane	<1.0		1.0	0.20	ug/L			06/21/13 10:49	1
Bromodichloromethane	<1.0		1.0	0.17	ug/L			06/21/13 10:49	1
cis-1,3-Dichloropropene	<1.0		1.0	0.18	ug/L			06/21/13 10:49	1
methyl isobutyl ketone	<5.0		5.0	0.33	ug/L			06/21/13 10:49	1
Toluene	<0.50		0.50	0.11	ug/L			06/21/13 10:49	1
trans-1,3-Dichloropropene	<1.0		1.0	0.21	ug/L			06/21/13 10:49	1
1,1,2-Trichloroethane	<1.0		1.0	0.28	ug/L			06/21/13 10:49	1
Tetrachloroethene	<1.0		1.0	0.17	ug/L			06/21/13 10:49	1
2-Hexanone	<5.0		5.0	0.56	ug/L			06/21/13 10:49	1
Dibromochloromethane	<1.0		1.0	0.32	ug/L			06/21/13 10:49	1
1,2-Dibromoethane	<1.0		1.0	0.36	ug/L			06/21/13 10:49	1
Chlorobenzene	<1.0		1.0	0.14	ug/L			06/21/13 10:49	1
Ethylbenzene	<0.50		0.50	0.13	ug/L			06/21/13 10:49	1
Xylenes, Total	<1.0		1.0	0.068	ug/L			06/21/13 10:49	1
Styrene	<1.0		1.0	0.10	ug/L			06/21/13 10:49	1
Bromoform	<1.0		1.0	0.28	ug/L			06/21/13 10:49	1
Isopropylbenzene	<1.0		1.0	0.14	ug/L			06/21/13 10:49	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.23	ug/L			06/21/13 10:49	1
1,3-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/21/13 10:49	1
1,4-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/21/13 10:49	1
1,2-Dichlorobenzene	<1.0		1.0	0.27	ug/L			06/21/13 10:49	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	0.87	ug/L			06/21/13 10:49	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.31	ug/L			06/21/13 10:49	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-58280-3

Date Collected: 06/20/13 00:00
Matrix: Water
Date Received: 06/21/13 07:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		75 - 125		06/21/13 10:49	1
Toluene-d8 (Surr)	100		75 - 120		06/21/13 10:49	1
4-Bromofluorobenzene (Surr)	101		75 - 120		06/21/13 10:49	1
Dibromofluoromethane	102		75 - 120		06/21/13 10:49	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes
F	MS or MSD exceeds the control limits

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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

GC/MS VOA

Analysis Batch: 190600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58280-1 - DL	JRF-W01-20130620	Total/NA	Water	8260B	
500-58280-1	JRF-W01-20130620	Total/NA	Water	8260B	
500-58280-2	JRF-W02-20130620	Total/NA	Water	8260B	
500-58280-3	Trip Blank	Total/NA	Water	8260B	
LCS 500-190600/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-190600/6	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Analysis Batch: 190594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58280-1	JRF-W01-20130620	Total/NA	Water	8270D	190604
500-58280-1 - DL	JRF-W01-20130620	Total/NA	Water	8270D	190604
500-58280-1 - DL2	JRF-W01-20130620	Total/NA	Water	8270D	190604
500-58280-2	JRF-W02-20130620	Total/NA	Water	8270D	190604

Analysis Batch: 190595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-190604/2-A	Lab Control Sample	Total/NA	Water	8270D	190604
LCSD 500-190604/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	190604
MB 500-190604/1-A	Method Blank	Total/NA	Water	8270D	190604

Prep Batch: 190604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58280-1	JRF-W01-20130620	Total/NA	Water	3510C	
500-58280-1 - DL	JRF-W01-20130620	Total/NA	Water	3510C	
500-58280-1 - DL2	JRF-W01-20130620	Total/NA	Water	3510C	
500-58280-2	JRF-W02-20130620	Total/NA	Water	3510C	
LCS 500-190604/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-190604/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 500-190604/1-A	Method Blank	Total/NA	Water	3510C	

Metals

Prep Batch: 190510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58280-1	JRF-W01-20130620	Total/NA	Water	7470A	
500-58280-2	JRF-W02-20130620	Total/NA	Water	7470A	
LCS 500-190510/8-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 500-190510/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 500-190510/7-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 190626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58280-1	JRF-W01-20130620	Total/NA	Water	3010A	
500-58280-1 DU	JRF-W01-20130620	Total/NA	Water	3010A	
500-58280-1 MS	JRF-W01-20130620	Total/NA	Water	3010A	
500-58280-1 MSD	JRF-W01-20130620	Total/NA	Water	3010A	
500-58280-2	JRF-W02-20130620	Total/NA	Water	3010A	
LCS 500-190626/2-A	Lab Control Sample	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 190626 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-190626/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 190642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58280-1	JRF-W01-20130620	Total/NA	Water	7470A	190510
500-58280-2	JRF-W02-20130620	Total/NA	Water	7470A	190510
LCS 500-190510/8-A	Lab Control Sample	Total/NA	Water	7470A	190510
LCSD 500-190510/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	190510
MB 500-190510/7-A	Method Blank	Total/NA	Water	7470A	190510

Analysis Batch: 190670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58280-1	JRF-W01-20130620	Total/NA	Water	6010B	190626
500-58280-1 DU	JRF-W01-20130620	Total/NA	Water	6010B	190626
500-58280-1 MS	JRF-W01-20130620	Total/NA	Water	6010B	190626
500-58280-1 MSD	JRF-W01-20130620	Total/NA	Water	6010B	190626
500-58280-2	JRF-W02-20130620	Total/NA	Water	6010B	190626
LCS 500-190626/2-A	Lab Control Sample	Total/NA	Water	6010B	190626
MB 500-190626/1-A	Method Blank	Total/NA	Water	6010B	190626

Analysis Batch: 190695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58280-1	JRF-W01-20130620	Total/NA	Water	6010B	190626
500-58280-1 DU	JRF-W01-20130620	Total/NA	Water	6010B	190626
500-58280-1 MS	JRF-W01-20130620	Total/NA	Water	6010B	190626
500-58280-1 MSD	JRF-W01-20130620	Total/NA	Water	6010B	190626
500-58280-2	JRF-W02-20130620	Total/NA	Water	6010B	190626
LCS 500-190626/2-A	Lab Control Sample	Total/NA	Water	6010B	190626
MB 500-190626/1-A	Method Blank	Total/NA	Water	6010B	190626

General Chemistry

Analysis Batch: 190649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58280-1	JRF-W01-20130620	Total/NA	Water	9034	190653
500-58280-2	JRF-W02-20130620	Total/NA	Water	9034	190653
500-58280-2 MS	JRF-W02-20130620	Total/NA	Water	9034	190653
500-58280-2 MSD	JRF-W02-20130620	Total/NA	Water	9034	190653
LCS 500-190653/2-A	Lab Control Sample	Total/NA	Water	9034	190653
MB 500-190653/1-A	Method Blank	Total/NA	Water	9034	190653

Prep Batch: 190653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58280-1	JRF-W01-20130620	Total/NA	Water	9030B	
500-58280-2	JRF-W02-20130620	Total/NA	Water	9030B	
500-58280-2 MS	JRF-W02-20130620	Total/NA	Water	9030B	
500-58280-2 MSD	JRF-W02-20130620	Total/NA	Water	9030B	
LCS 500-190653/2-A	Lab Control Sample	Total/NA	Water	9030B	
MB 500-190653/1-A	Method Blank	Total/NA	Water	9030B	

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

General Chemistry (Continued)

Analysis Batch: 190697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58280-1	JRF-W01-20130620	Total/NA	Water	9040C	
500-58280-1 DU	JRF-W01-20130620	Total/NA	Water	9040C	
500-58280-2	JRF-W02-20130620	Total/NA	Water	9040C	
500-58280-2 DU	JRF-W02-20130620	Total/NA	Water	9040C	

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	**Client Sample ID**	**(75-125)**	**(75-120)**	**(75-120)**	**(75-120)**
500-58280-1 - DL	JRF-W01-20130620	109	98	102	99
500-58280-1	JRF-W01-20130620	109	100	104	101
500-58280-2	JRF-W02-20130620	107	99	102	101
500-58280-3	Trip Blank	109	100	101	102
LCS 500-190600/4	Lab Control Sample	104	100	102	102
MB 500-190600/6	Method Blank	107	99	101	101

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		2FP	PHL	NBZ	FBP	TBP	TPH
Lab Sample ID	**Client Sample ID**	**(32-110)**	**(25-100)**	**(47-134)**	**(41-132)**	**(53-150)**	**(59-150)**
500-58280-1	JRF-W01-20130620	79	23 X	93	66	89	86
500-58280-1 - DL	JRF-W01-20130620	0 D	0 D	0 D	0 D	0 D	0 D
500-58280-1 - DL2	JRF-W01-20130620	0 D	0 D	0 D	0 D	0 D	0 D
500-58280-2	JRF-W02-20130620	37	35	74	82	40 X	86
LCS 500-190604/2-A	Lab Control Sample	69	58	84	80	101	91
LCSD 500-190604/3-A	Lab Control Sample Dup	67	57	84	78	98	91
MB 500-190604/1-A	Method Blank	63	54	78	73	88	85

Surrogate Legend

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

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-190600/6
Matrix: Water
Analysis Batch: 190600

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0	0.20	ug/L			06/21/13 10:25	1
Chloromethane	<1.0		1.0	0.18	ug/L			06/21/13 10:25	1
Vinyl chloride	<0.50		0.50	0.10	ug/L			06/21/13 10:25	1
Bromomethane	<1.0		1.0	0.31	ug/L			06/21/13 10:25	1
Chloroethane	<1.0		1.0	0.34	ug/L			06/21/13 10:25	1
Trichlorofluoromethane	<1.0		1.0	0.19	ug/L			06/21/13 10:25	1
1,1-Dichloroethene	<1.0		1.0	0.31	ug/L			06/21/13 10:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0	0.22	ug/L			06/21/13 10:25	1
Acetone	<5.0		5.0	1.3	ug/L			06/21/13 10:25	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			06/21/13 10:25	1
Methyl acetate	<2.0		2.0	0.53	ug/L			06/21/13 10:25	1
Methylene Chloride	<5.0		5.0	0.68	ug/L			06/21/13 10:25	1
trans-1,2-Dichloroethene	<1.0		1.0	0.25	ug/L			06/21/13 10:25	1
Methyl tert-butyl ether	<1.0		1.0	0.24	ug/L			06/21/13 10:25	1
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			06/21/13 10:25	1
cis-1,2-Dichloroethene	<1.0		1.0	0.12	ug/L			06/21/13 10:25	1
Methyl Ethyl Ketone	<5.0		5.0	1.5	ug/L			06/21/13 10:25	1
Chloroform	<1.0		1.0	0.20	ug/L			06/21/13 10:25	1
1,1,1-Trichloroethane	<1.0		1.0	0.20	ug/L			06/21/13 10:25	1
Cyclohexane	<1.0		1.0	0.23	ug/L			06/21/13 10:25	1
Carbon tetrachloride	<1.0		1.0	0.26	ug/L			06/21/13 10:25	1
Benzene	<0.50		0.50	0.074	ug/L			06/21/13 10:25	1
1,2-Dichloroethane	<1.0		1.0	0.28	ug/L			06/21/13 10:25	1
Trichloroethene	<0.50		0.50	0.19	ug/L			06/21/13 10:25	1
Methylcyclohexane	<1.0		1.0	0.14	ug/L			06/21/13 10:25	1
1,2-Dichloropropane	<1.0		1.0	0.20	ug/L			06/21/13 10:25	1
Bromodichloromethane	<1.0		1.0	0.17	ug/L			06/21/13 10:25	1
cis-1,3-Dichloropropene	<1.0		1.0	0.18	ug/L			06/21/13 10:25	1
methyl isobutyl ketone	<5.0		5.0	0.33	ug/L			06/21/13 10:25	1
Toluene	<0.50		0.50	0.11	ug/L			06/21/13 10:25	1
trans-1,3-Dichloropropene	<1.0		1.0	0.21	ug/L			06/21/13 10:25	1
1,1,2-Trichloroethane	<1.0		1.0	0.28	ug/L			06/21/13 10:25	1
Tetrachloroethene	<1.0		1.0	0.17	ug/L			06/21/13 10:25	1
2-Hexanone	<5.0		5.0	0.56	ug/L			06/21/13 10:25	1
Dibromochloromethane	<1.0		1.0	0.32	ug/L			06/21/13 10:25	1
1,2-Dibromoethane	<1.0		1.0	0.36	ug/L			06/21/13 10:25	1
Chlorobenzene	<1.0		1.0	0.14	ug/L			06/21/13 10:25	1
Ethylbenzene	<0.50		0.50	0.13	ug/L			06/21/13 10:25	1
Xylenes, Total	<1.0		1.0	0.068	ug/L			06/21/13 10:25	1
Styrene	<1.0		1.0	0.10	ug/L			06/21/13 10:25	1
Bromoform	<1.0		1.0	0.28	ug/L			06/21/13 10:25	1
Isopropylbenzene	<1.0		1.0	0.14	ug/L			06/21/13 10:25	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.23	ug/L			06/21/13 10:25	1
1,3-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/21/13 10:25	1
1,4-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/21/13 10:25	1
1,2-Dichlorobenzene	<1.0		1.0	0.27	ug/L			06/21/13 10:25	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	0.87	ug/L			06/21/13 10:25	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.31	ug/L			06/21/13 10:25	1

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

Lab Sample ID: MB 500-190600/6
Matrix: Water
Analysis Batch: 190600

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 125		06/21/13 10:25	1
Toluene-d8 (Surr)	99		75 - 120		06/21/13 10:25	1
4-Bromofluorobenzene (Surr)	101		75 - 120		06/21/13 10:25	1
Dibromofluoromethane	101		75 - 120		06/21/13 10:25	1

Lab Sample ID: LCS 500-190600/4
Matrix: Water
Analysis Batch: 190600

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	53.0		ug/L		106	40 - 140
Chloromethane	50.0	47.1		ug/L		94	50 - 134
Vinyl chloride	50.0	48.6		ug/L		97	62 - 138
Bromomethane	50.0	24.3	*	ug/L		49	50 - 150
Chloroethane	50.0	45.1		ug/L		90	50 - 150
Trichlorofluoromethane	50.0	48.4		ug/L		97	63 - 134
1,1-Dichloroethene	50.0	44.9		ug/L		90	58 - 122
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	46.2		ug/L		92	46 - 120
Acetone	50.0	69.9		ug/L		140	46 - 153
Carbon disulfide	50.0	42.6		ug/L		85	50 - 120
Methylene Chloride	50.0	46.0		ug/L		92	65 - 125
trans-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 124
Methyl tert-butyl ether	50.0	47.8		ug/L		96	58 - 122
1,1-Dichloroethane	50.0	49.3		ug/L		99	68 - 121
cis-1,2-Dichloroethene	50.0	48.1		ug/L		96	70 - 120
Methyl Ethyl Ketone	50.0	56.7		ug/L		113	54 - 138
Chloroform	50.0	49.3		ug/L		99	70 - 120
1,1,1-Trichloroethane	50.0	50.2		ug/L		100	70 - 123
Carbon tetrachloride	50.0	52.7		ug/L		105	70 - 125
Benzene	50.0	46.9		ug/L		94	70 - 120
1,2-Dichloroethane	50.0	53.0		ug/L		106	69 - 120
Trichloroethene	50.0	51.2		ug/L		102	70 - 120
1,2-Dichloropropane	50.0	50.9		ug/L		102	70 - 120
Bromodichloromethane	50.0	51.1		ug/L		102	70 - 120
cis-1,3-Dichloropropene	50.0	50.8		ug/L		102	70 - 120
methyl isobutyl ketone	50.0	53.9		ug/L		108	59 - 135
Toluene	50.0	48.4		ug/L		97	70 - 120
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	70 - 120
1,1,2-Trichloroethane	50.0	48.6		ug/L		97	69 - 120
Tetrachloroethene	50.0	48.5		ug/L		97	70 - 123
2-Hexanone	50.0	56.4		ug/L		113	55 - 144
Dibromochloromethane	50.0	50.8		ug/L		102	70 - 120
1,2-Dibromoethane	50.0	49.9		ug/L		100	70 - 120
Chlorobenzene	50.0	48.8		ug/L		98	70 - 120
Ethylbenzene	50.0	49.2		ug/L		98	75 - 120
Xylenes, Total	100	99.4		ug/L		99	70 - 120
Styrene	50.0	50.0		ug/L		100	75 - 120

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

Lab Sample ID: LCS 500-190600/4
Matrix: Water
Analysis Batch: 190600

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	50.0	50.8		ug/L		102	70 - 125
Isopropylbenzene	50.0	47.9		ug/L		96	70 - 120
1,1,2,2-Tetrachloroethane	50.0	47.7		ug/L		95	70 - 128
1,3-Dichlorobenzene	50.0	48.7		ug/L		97	70 - 120
1,4-Dichlorobenzene	50.0	48.1		ug/L		96	75 - 120
1,2-Dichlorobenzene	50.0	49.1		ug/L		98	75 - 120
1,2-Dibromo-3-Chloropropane	50.0	54.6		ug/L		109	60 - 121
1,2,4-Trichlorobenzene	50.0	49.7		ug/L		99	65 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 125*
Toluene-d8 (Surr)	*100*		*75 - 120*
4-Bromofluorobenzene (Surr)	*102*		*75 - 120*
Dibromofluoromethane	*102*		*75 - 120*

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

Lab Sample ID: MB 500-190604/1-A
Matrix: Water
Analysis Batch: 190595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190604

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	<8.0		8.0	4.0	ug/L		06/21/13 08:00	06/21/13 12:28	1
Phenol	<4.0		4.0	0.51	ug/L		06/21/13 08:00	06/21/13 12:28	1
Bis(2-chloroethyl)ether	<1.6		1.6	0.17	ug/L		06/21/13 08:00	06/21/13 12:28	1
2-Chlorophenol	<4.0		4.0	0.51	ug/L		06/21/13 08:00	06/21/13 12:28	1
2-Methylphenol	<1.6		1.6	0.22	ug/L		06/21/13 08:00	06/21/13 12:28	1
2,2'-oxybis[1-chloropropane]	<1.6		1.6	0.15	ug/L		06/21/13 08:00	06/21/13 12:28	1
Acetophenone	<4.0		4.0	0.63	ug/L		06/21/13 08:00	06/21/13 12:28	1
N-Nitrosodi-n-propylamine	<0.40		0.40	0.19	ug/L		06/21/13 08:00	06/21/13 12:28	1
Hexachloroethane	<4.0		4.0	0.45	ug/L		06/21/13 08:00	06/21/13 12:28	1
Nitrobenzene	<0.80		0.80	0.17	ug/L		06/21/13 08:00	06/21/13 12:28	1
Isophorone	<1.6		1.6	0.14	ug/L		06/21/13 08:00	06/21/13 12:28	1
2-Nitrophenol	<8.0		8.0	1.2	ug/L		06/21/13 08:00	06/21/13 12:28	1
2,4-Dimethylphenol	<8.0		8.0	1.5	ug/L		06/21/13 08:00	06/21/13 12:28	1
Bis(2-chloroethoxy)methane	<1.6		1.6	0.17	ug/L		06/21/13 08:00	06/21/13 12:28	1
2,4-Dichlorophenol	<8.0		8.0	0.96	ug/L		06/21/13 08:00	06/21/13 12:28	1
Naphthalene	<0.80		0.80	0.12	ug/L		06/21/13 08:00	06/21/13 12:28	1
4-Chloroaniline	<8.0		8.0	1.8	ug/L		06/21/13 08:00	06/21/13 12:28	1
Hexachlorobutadiene	<4.0		4.0	0.60	ug/L		06/21/13 08:00	06/21/13 12:28	1
Caprolactam	<8.0		8.0	4.0	ug/L		06/21/13 08:00	06/21/13 12:28	1
4-Chloro-3-methylphenol	<8.0		8.0	1.1	ug/L		06/21/13 08:00	06/21/13 12:28	1
2-Methylnaphthalene	<0.40		0.40	0.067	ug/L		06/21/13 08:00	06/21/13 12:28	1
Hexachlorocyclopentadiene	<16		16	1.5	ug/L		06/21/13 08:00	06/21/13 12:28	1
2,4,6-Trichlorophenol	<4.0		4.0	0.54	ug/L		06/21/13 08:00	06/21/13 12:28	1
2,4,5-Trichlorophenol	<8.0		8.0	1.4	ug/L		06/21/13 08:00	06/21/13 12:28	1
1,1'-Biphenyl	<4.0		4.0	2.0	ug/L		06/21/13 08:00	06/21/13 12:28	1
2-Chloronaphthalene	<1.6		1.6	0.13	ug/L		06/21/13 08:00	06/21/13 12:28	1

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

Lab Sample ID: MB 500-190604/1-A
Matrix: Water
Analysis Batch: 190595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190604

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<4.0		4.0	0.92	ug/L		06/21/13 08:00	06/21/13 12:28	1
Dimethyl phthalate	<1.6		1.6	0.13	ug/L		06/21/13 08:00	06/21/13 12:28	1
2,6-Dinitrotoluene	<0.40		0.40	0.079	ug/L		06/21/13 08:00	06/21/13 12:28	1
Acenaphthylene	<0.80		0.80	0.11	ug/L		06/21/13 08:00	06/21/13 12:28	1
3-Nitroaniline	<8.0		8.0	0.91	ug/L		06/21/13 08:00	06/21/13 12:28	1
Acenaphthene	<0.80		0.80	0.099	ug/L		06/21/13 08:00	06/21/13 12:28	1
2,4-Dinitrophenol	<16		16	0.84	ug/L		06/21/13 08:00	06/21/13 12:28	1
4-Nitrophenol	<16		16	1.8	ug/L		06/21/13 08:00	06/21/13 12:28	1
Dibenzofuran	<1.6		1.6	0.14	ug/L		06/21/13 08:00	06/21/13 12:28	1
2,4-Dinitrotoluene	<0.80		0.80	0.17	ug/L		06/21/13 08:00	06/21/13 12:28	1
Diethyl phthalate	<1.6		1.6	0.14	ug/L		06/21/13 08:00	06/21/13 12:28	1
Fluorene	<0.80		0.80	0.13	ug/L		06/21/13 08:00	06/21/13 12:28	1
4-Chlorophenyl phenyl ether	<4.0		4.0	0.55	ug/L		06/21/13 08:00	06/21/13 12:28	1
4-Nitroaniline	<8.0		8.0	2.1	ug/L		06/21/13 08:00	06/21/13 12:28	1
4,6-Dinitro-2-methylphenol	<16		16	1.4	ug/L		06/21/13 08:00	06/21/13 12:28	1
N-Nitrosodiphenylamine	<0.80		0.80	0.15	ug/L		06/21/13 08:00	06/21/13 12:28	1
4-Bromophenyl phenyl ether	<4.0		4.0	0.42	ug/L		06/21/13 08:00	06/21/13 12:28	1
Hexachlorobenzene	<0.40		0.40	0.084	ug/L		06/21/13 08:00	06/21/13 12:28	1
Atrazine	<4.0		4.0	2.0	ug/L		06/21/13 08:00	06/21/13 12:28	1
Pentachlorophenol	<16		16	1.4	ug/L		06/21/13 08:00	06/21/13 12:28	1
Phenanthrene	<0.80		0.80	0.17	ug/L		06/21/13 08:00	06/21/13 12:28	1
Anthracene	<0.80		0.80	0.15	ug/L		06/21/13 08:00	06/21/13 12:28	1
Carbazole	<4.0		4.0	0.52	ug/L		06/21/13 08:00	06/21/13 12:28	1
Di-n-butyl phthalate	<4.0		4.0	0.66	ug/L		06/21/13 08:00	06/21/13 12:28	1
Fluoranthene	<0.80		0.80	0.16	ug/L		06/21/13 08:00	06/21/13 12:28	1
Pyrene	<0.80		0.80	0.18	ug/L		06/21/13 08:00	06/21/13 12:28	1
Butyl benzyl phthalate	<1.6		1.6	0.21	ug/L		06/21/13 08:00	06/21/13 12:28	1
3,3'-Dichlorobenzidine	<4.0		4.0	0.53	ug/L		06/21/13 08:00	06/21/13 12:28	1
Benzo[a]anthracene	<0.16		0.16	0.052	ug/L		06/21/13 08:00	06/21/13 12:28	1
Chrysene	<0.40		0.40	0.075	ug/L		06/21/13 08:00	06/21/13 12:28	1
Bis(2-ethylhexyl) phthalate	<8.0		8.0	1.8	ug/L		06/21/13 08:00	06/21/13 12:28	1
Di-n-octyl phthalate	<8.0		8.0	1.3	ug/L		06/21/13 08:00	06/21/13 12:28	1
Benzo[b]fluoranthene	<0.16		0.16	0.065	ug/L		06/21/13 08:00	06/21/13 12:28	1
Benzo[k]fluoranthene	<0.16		0.16	0.14	ug/L		06/21/13 08:00	06/21/13 12:28	1
Benzo[a]pyrene	<0.16		0.16	0.061	ug/L		06/21/13 08:00	06/21/13 12:28	1
Indeno[1,2,3-cd]pyrene	<0.16		0.16	0.061	ug/L		06/21/13 08:00	06/21/13 12:28	1
Dibenz(a,h)anthracene	<0.24		0.24	0.091	ug/L		06/21/13 08:00	06/21/13 12:28	1
Benzo[g,h,i]perylene	<0.80		0.80	0.39	ug/L		06/21/13 08:00	06/21/13 12:28	1
3 & 4 Methylphenol	<1.6		1.6	0.19	ug/L		06/21/13 08:00	06/21/13 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*63*		*32 - 110*	*06/21/13 08:00*	*06/21/13 12:28*	*1*
Phenol-d5 (Surr)	*54*		*25 - 100*	*06/21/13 08:00*	*06/21/13 12:28*	*1*
Nitrobenzene-d5 (Surr)	*78*		*47 - 134*	*06/21/13 08:00*	*06/21/13 12:28*	*1*
2-Fluorobiphenyl	*73*		*41 - 132*	*06/21/13 08:00*	*06/21/13 12:28*	*1*
2,4,6-Tribromophenol (Surr)	*88*		*53 - 150*	*06/21/13 08:00*	*06/21/13 12:28*	*1*
Terphenyl-d14 (Surr)	*85*		*59 - 150*	*06/21/13 08:00*	*06/21/13 12:28*	*1*

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

Lab Sample ID: LCS 500-190604/2-A
Matrix: Water
Analysis Batch: 190595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190604

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	32.0	18.7		ug/L		58	42 - 100
Bis(2-chloroethyl)ether	32.0	26.0		ug/L		81	49 - 110
2-Chlorophenol	32.0	26.2		ug/L		82	57 - 110
2-Methylphenol	32.0	28.3		ug/L		88	51 - 110
2,2'-oxybis[1-chloropropane]	32.0	22.0		ug/L		69	30 - 119
Acetophenone	32.0	26.9		ug/L		84	50 - 110
N-Nitrosodi-n-propylamine	32.0	24.3		ug/L		76	44 - 113
Hexachloroethane	32.0	19.2		ug/L		60	31 - 100
Nitrobenzene	32.0	25.5		ug/L		80	55 - 110
Isophorone	32.0	27.0		ug/L		84	59 - 111
2-Nitrophenol	32.0	28.2		ug/L		88	69 - 111
2,4-Dimethylphenol	32.0	28.0		ug/L		87	62 - 114
Bis(2-chloroethoxy)methane	32.0	27.8		ug/L		87	61 - 111
2,4-Dichlorophenol	32.0	29.3		ug/L		91	70 - 113
Naphthalene	32.0	23.1		ug/L		72	38 - 110
4-Chloroaniline	32.0	29.6		ug/L		92	40 - 133
Hexachlorobutadiene	32.0	20.2		ug/L		63	33 - 110
4-Chloro-3-methylphenol	32.0	30.2		ug/L		94	70 - 121
2-Methylnaphthalene	32.0	22.3		ug/L		70	42 - 110
Hexachlorocyclopentadiene	32.0	22.9		ug/L		72	26 - 111
2,4,6-Trichlorophenol	32.0	29.1		ug/L		91	70 - 122
2,4,5-Trichlorophenol	32.0	29.4		ug/L		92	70 - 126
2-Chloronaphthalene	32.0	23.8		ug/L		74	46 - 110
2-Nitroaniline	32.0	28.8		ug/L		90	60 - 124
Dimethyl phthalate	32.0	30.0		ug/L		94	70 - 111
2,6-Dinitrotoluene	32.0	28.2		ug/L		88	70 - 114
Acenaphthylene	32.0	22.4		ug/L		70	48 - 114
3-Nitroaniline	32.0	28.7		ug/L		90	50 - 150
Acenaphthene	32.0	27.1		ug/L		85	44 - 110
2,4-Dinitrophenol	64.0	74.3		ug/L		116	65 - 126
4-Nitrophenol	64.0	40.5		ug/L		63	59 - 125
Dibenzofuran	32.0	26.0		ug/L		81	49 - 122
2,4-Dinitrotoluene	32.0	30.1		ug/L		94	70 - 116
Diethyl phthalate	32.0	28.8		ug/L		90	57 - 141
Fluorene	32.0	26.0		ug/L		81	50 - 121
4-Chlorophenyl phenyl ether	32.0	26.3		ug/L		82	52 - 116
4-Nitroaniline	32.0	26.9		ug/L		84	50 - 150
4,6-Dinitro-2-methylphenol	64.0	70.0		ug/L		109	70 - 131
N-Nitrosodiphenylamine	32.0	26.9		ug/L		84	70 - 130
4-Bromophenyl phenyl ether	32.0	27.0		ug/L		84	69 - 131
Hexachlorobenzene	32.0	25.3		ug/L		79	66 - 139
Pentachlorophenol	64.0	56.9		ug/L		89	70 - 146
Phenanthrene	32.0	27.1		ug/L		85	56 - 131
Anthracene	32.0	27.2		ug/L		85	58 - 127
Carbazole	32.0	27.1		ug/L		85	70 - 140
Di-n-butyl phthalate	32.0	26.3		ug/L		82	52 - 137
Fluoranthene	32.0	25.1		ug/L		78	57 - 135
Pyrene	32.0	24.8		ug/L		77	67 - 116

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

Lab Sample ID: LCS 500-190604/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190595 — **Prep Batch: 190604**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Butyl benzyl phthalate	32.0	26.8		ug/L		84	70 - 120
3,3'-Dichlorobenzidine	32.0	26.0		ug/L		81	70 - 137
Benzo[a]anthracene	32.0	28.2		ug/L		88	64 - 119
Chrysene	32.0	28.6		ug/L		89	57 - 122
Bis(2-ethylhexyl) phthalate	32.0	28.0		ug/L		88	70 - 119
Di-n-octyl phthalate	32.0	22.6		ug/L		70	60 - 136
Benzo[b]fluoranthene	32.0	24.4		ug/L		76	68 - 130
Benzo[k]fluoranthene	32.0	22.7		ug/L		71	60 - 133
Benzo[a]pyrene	32.0	25.7		ug/L		80	70 - 119
Indeno[1,2,3-cd]pyrene	32.0	38.3		ug/L		120	58 - 138
Dibenz(a,h)anthracene	32.0	38.1		ug/L		119	59 - 132
Benzo[g,h,i]perylene	32.0	43.1		ug/L		135	48 - 140
3 & 4 Methylphenol	32.0	25.4		ug/L		79	45 - 114

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*69*		*32 - 110*
Phenol-d5 (Surr)	*58*		*25 - 100*
Nitrobenzene-d5 (Surr)	*84*		*47 - 134*
2-Fluorobiphenyl	*80*		*41 - 132*
2,4,6-Tribromophenol (Surr)	*101*		*53 - 150*
Terphenyl-d14 (Surr)	*91*		*59 - 150*

Lab Sample ID: LCSD 500-190604/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190595 — **Prep Batch: 190604**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	32.0	19.5		ug/L		61	42 - 100	4	20
Bis(2-chloroethyl)ether	32.0	27.5		ug/L		86	49 - 110	6	20
2-Chlorophenol	32.0	27.2		ug/L		85	57 - 110	4	20
2-Methylphenol	32.0	28.4		ug/L		89	51 - 110	0	20
2,2'-oxybis[1-chloropropane]	32.0	23.2		ug/L		72	30 - 119	5	20
Acetophenone	32.0	27.9		ug/L		87	50 - 110	4	20
N-Nitrosodi-n-propylamine	32.0	25.2		ug/L		79	44 - 113	4	20
Hexachloroethane	32.0	19.3		ug/L		60	31 - 100	0	20
Nitrobenzene	32.0	26.2		ug/L		82	55 - 110	3	20
Isophorone	32.0	28.0		ug/L		87	59 - 111	3	20
2-Nitrophenol	32.0	29.9		ug/L		94	69 - 111	6	20
2,4-Dimethylphenol	32.0	28.0		ug/L		88	62 - 114	0	20
Bis(2-chloroethoxy)methane	32.0	28.9		ug/L		90	61 - 111	4	20
2,4-Dichlorophenol	32.0	29.8		ug/L		93	70 - 113	2	20
Naphthalene	32.0	24.2		ug/L		76	38 - 110	4	20
4-Chloroaniline	32.0	29.6		ug/L		92	40 - 133	0	20
Hexachlorobutadiene	32.0	20.4		ug/L		64	33 - 110	1	20
4-Chloro-3-methylphenol	32.0	30.9		ug/L		97	70 - 121	2	20
2-Methylnaphthalene	32.0	22.8		ug/L		71	42 - 110	2	20
Hexachlorocyclopentadiene	32.0	23.0		ug/L		72	26 - 111	1	20
2,4,6-Trichlorophenol	32.0	29.7		ug/L		93	70 - 122	2	20

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

Lab Sample ID: LCSD 500-190604/3-A
Matrix: Water
Analysis Batch: 190595

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 190604

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	32.0	30.2		ug/L		94	70 - 126	2	20
2-Chloronaphthalene	32.0	24.4		ug/L		76	46 - 110	3	20
2-Nitroaniline	32.0	29.2		ug/L		91	60 - 124	1	20
Dimethyl phthalate	32.0	30.6		ug/L		96	70 - 111	2	20
2,6-Dinitrotoluene	32.0	28.7		ug/L		90	70 - 114	2	20
Acenaphthylene	32.0	23.0		ug/L		72	48 - 114	3	20
3-Nitroaniline	32.0	28.0		ug/L		87	50 - 150	3	20
Acenaphthene	32.0	27.7		ug/L		86	44 - 110	2	20
2,4-Dinitrophenol	64.0	75.3		ug/L		118	65 - 126	1	20
4-Nitrophenol	64.0	42.6		ug/L		67	59 - 125	5	20
Dibenzofuran	32.0	26.8		ug/L		84	49 - 122	3	20
2,4-Dinitrotoluene	32.0	30.8		ug/L		96	70 - 116	2	20
Diethyl phthalate	32.0	29.5		ug/L		92	57 - 141	3	20
Fluorene	32.0	26.4		ug/L		83	50 - 121	2	20
4-Chlorophenyl phenyl ether	32.0	26.1		ug/L		82	52 - 116	1	20
4-Nitroaniline	32.0	25.9		ug/L		81	50 - 150	4	20
4,6-Dinitro-2-methylphenol	64.0	75.0		ug/L		117	70 - 131	7	20
N-Nitrosodiphenylamine	32.0	27.2		ug/L		85	70 - 130	1	20
4-Bromophenyl phenyl ether	32.0	28.3		ug/L		88	69 - 131	4	20
Hexachlorobenzene	32.0	26.6		ug/L		83	66 - 139	5	20
Pentachlorophenol	64.0	60.2		ug/L		94	70 - 146	6	20
Phenanthrene	32.0	28.3		ug/L		89	56 - 131	4	20
Anthracene	32.0	28.8		ug/L		90	58 - 127	6	20
Carbazole	32.0	28.4		ug/L		89	70 - 140	5	20
Di-n-butyl phthalate	32.0	27.3		ug/L		85	52 - 137	4	20
Fluoranthene	32.0	26.1		ug/L		82	57 - 135	4	20
Pyrene	32.0	25.8		ug/L		81	67 - 116	4	20
Butyl benzyl phthalate	32.0	27.9		ug/L		87	70 - 120	4	20
3,3'-Dichlorobenzidine	32.0	25.0		ug/L		78	70 - 137	4	20
Benzo[a]anthracene	32.0	29.6		ug/L		93	64 - 119	5	20
Chrysene	32.0	29.6		ug/L		93	57 - 122	4	20
Bis(2-ethylhexyl) phthalate	32.0	28.8		ug/L		90	70 - 119	2	20
Di-n-octyl phthalate	32.0	23.2		ug/L		72	60 - 136	3	20
Benzo[b]fluoranthene	32.0	25.3		ug/L		79	68 - 130	4	20
Benzo[k]fluoranthene	32.0	23.4		ug/L		73	60 - 133	3	20
Benzo[a]pyrene	32.0	26.8		ug/L		84	70 - 119	4	20
Indeno[1,2,3-cd]pyrene	32.0	39.3		ug/L		123	58 - 138	3	20
Dibenz(a,h)anthracene	32.0	39.3		ug/L		123	59 - 132	3	20
Benzo[g,h,i]perylene	32.0	44.2		ug/L		138	48 - 140	3	20
3 & 4 Methylphenol	32.0	26.0		ug/L		81	45 - 114	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*67*		*32 - 110*
Phenol-d5 (Surr)	*57*		*25 - 100*
Nitrobenzene-d5 (Surr)	*84*		*47 - 134*
2-Fluorobiphenyl	*78*		*41 - 132*
2,4,6-Tribromophenol (Surr)	*98*		*53 - 150*
Terphenyl-d14 (Surr)	*91*		*59 - 150*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-190626/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190670 — **Prep Batch: 190626**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0722	J	0.20	0.042	mg/L		06/21/13 08:15	06/21/13 11:59	1
Antimony	<0.020		0.020	0.0039	mg/L		06/21/13 08:15	06/21/13 11:59	1
Arsenic	<0.010		0.010	0.0026	mg/L		06/21/13 08:15	06/21/13 11:59	1
Barium	<0.010		0.010	0.0011	mg/L		06/21/13 08:15	06/21/13 11:59	1
Beryllium	0.000486	J	0.0040	0.00043	mg/L		06/21/13 08:15	06/21/13 11:59	1
Cadmium	0.000423	J	0.0020	0.00026	mg/L		06/21/13 08:15	06/21/13 11:59	1
Calcium	0.120	J	0.20	0.032	mg/L		06/21/13 08:15	06/21/13 11:59	1
Chromium	<0.010		0.010	0.0010	mg/L		06/21/13 08:15	06/21/13 11:59	1
Cobalt	<0.0050		0.0050	0.00045	mg/L		06/21/13 08:15	06/21/13 11:59	1
Copper	<0.010		0.010	0.0019	mg/L		06/21/13 08:15	06/21/13 11:59	1
Lead	0.00313	J	0.0050	0.0023	mg/L		06/21/13 08:15	06/21/13 11:59	1
Magnesium	0.0642	J	0.10	0.014	mg/L		06/21/13 08:15	06/21/13 11:59	1
Manganese	<0.010		0.010	0.00094	mg/L		06/21/13 08:15	06/21/13 11:59	1
Nickel	<0.010		0.010	0.0012	mg/L		06/21/13 08:15	06/21/13 11:59	1
Potassium	<0.50		0.50	0.063	mg/L		06/21/13 08:15	06/21/13 11:59	1
Selenium	<0.010		0.010	0.0046	mg/L		06/21/13 08:15	06/21/13 11:59	1
Silver	<0.0050		0.0050	0.00057	mg/L		06/21/13 08:15	06/21/13 11:59	1
Sodium	<1.0		1.0	0.14	mg/L		06/21/13 08:15	06/21/13 11:59	1
Thallium	<0.010		0.010	0.0029	mg/L		06/21/13 08:15	06/21/13 11:59	1
Vanadium	0.000782	J	0.0050	0.00056	mg/L		06/21/13 08:15	06/21/13 11:59	1
Zinc	0.00677	J	0.020	0.0025	mg/L		06/21/13 08:15	06/21/13 11:59	1

Lab Sample ID: MB 500-190626/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190695 — **Prep Batch: 190626**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.20		0.20	0.043	mg/L		06/21/13 08:15	06/21/13 13:51	1

Lab Sample ID: LCS 500-190626/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190670 — **Prep Batch: 190626**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	1.90		mg/L		95	80 - 120
Antimony	0.500	0.439		mg/L		88	80 - 120
Arsenic	0.100	0.0927		mg/L		93	80 - 120
Barium	2.00	1.89		mg/L		95	80 - 120
Beryllium	0.0500	0.0467		mg/L		93	80 - 120
Cadmium	0.0500	0.0460		mg/L		92	80 - 120
Calcium	10.0	9.50		mg/L		95	80 - 120
Chromium	0.200	0.189		mg/L		95	80 - 120
Cobalt	0.500	0.475		mg/L		95	80 - 120
Copper	0.250	0.237		mg/L		95	80 - 120
Lead	0.100	0.0941		mg/L		94	80 - 120
Magnesium	10.0	9.07		mg/L		91	80 - 120
Manganese	0.500	0.469		mg/L		94	80 - 120
Nickel	0.500	0.474		mg/L		95	80 - 120

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

Lab Sample ID: LCS 500-190626/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190670 — **Prep Batch: 190626**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	10.0	8.49		mg/L		85	80 - 120
Selenium	0.100	0.0870		mg/L		87	80 - 120
Silver	0.0500	0.0424		mg/L		85	80 - 120
Sodium	10.0	9.01		mg/L		90	80 - 120
Thallium	0.100	0.0895		mg/L		90	80 - 120
Vanadium	0.500	0.480		mg/L		96	80 - 120
Zinc	0.500	0.478		mg/L		96	80 - 120

Lab Sample ID: LCS 500-190626/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190695 — **Prep Batch: 190626**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	1.00	0.841		mg/L		84	80 - 120

Lab Sample ID: 500-58280-1 MS — **Client Sample ID: JRF-W01-20130620**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190670 — **Prep Batch: 190626**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.21	B	2.00	2.10		mg/L		94	75 - 125
Antimony	0.023		0.500	0.478		mg/L		91	75 - 125
Arsenic	0.0036	J	0.100	0.0991		mg/L		95	75 - 125
Barium	0.13		2.00	2.00		mg/L		94	75 - 125
Beryllium	0.00062	J B	0.0500	0.0451		mg/L		89	75 - 125
Cadmium	0.0011	J B	0.0500	0.0474		mg/L		93	75 - 125
Calcium	92	B	10.0	102	4	mg/L		99	75 - 125
Chromium	0.0011	J	0.200	0.186		mg/L		92	75 - 125
Cobalt	0.056		0.500	0.536		mg/L		96	75 - 125
Copper	0.017		0.250	0.259		mg/L		97	75 - 125
Lead	0.0052	B	0.100	0.0993		mg/L		94	75 - 125
Magnesium	39	B	10.0	48.6		mg/L		96	75 - 125
Manganese	0.19		0.500	0.651		mg/L		91	75 - 125
Nickel	0.0058	J	0.500	0.482		mg/L		95	75 - 125
Potassium	14		10.0	23.6		mg/L		93	75 - 125
Selenium	<0.010		0.100	0.0946		mg/L		95	75 - 125
Silver	<0.0050		0.0500	0.0437		mg/L		87	75 - 125
Sodium	34		10.0	43.7		mg/L		100	75 - 125
Thallium	<0.010		0.100	0.0908		mg/L		91	75 - 125
Vanadium	0.0027	J B	0.500	0.480		mg/L		95	75 - 125
Zinc	0.20	B	0.500	0.692		mg/L		99	75 - 125

Lab Sample ID: 500-58280-1 MS — **Client Sample ID: JRF-W01-20130620**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190695 — **Prep Batch: 190626**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	0.52		1.00	1.30		mg/L		78	75 - 125

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

Lab Sample ID: 500-58280-1 MSD — **Client Sample ID: JRF-W01-20130620**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190670 — **Prep Batch: 190626**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	0.21	B	2.00	2.11		mg/L		95	75 - 125	1	20
Antimony	0.023		0.500	0.496		mg/L		95	75 - 125	4	20
Arsenic	0.0036	J	0.100	0.102		mg/L		98	75 - 125	3	20
Barium	0.13		2.00	2.01		mg/L		94	75 - 125	0	20
Beryllium	0.00062	J B	0.0500	0.0461		mg/L		91	75 - 125	2	20
Cadmium	0.0011	J B	0.0500	0.0482		mg/L		94	75 - 125	2	20
Calcium	92	B	10.0	103	4	mg/L		106	75 - 125	1	20
Chromium	0.0011	J	0.200	0.185		mg/L		92	75 - 125	0	20
Cobalt	0.056		0.500	0.540		mg/L		97	75 - 125	1	20
Copper	0.017		0.250	0.262		mg/L		98	75 - 125	1	20
Lead	0.0052	B	0.100	0.102		mg/L		97	75 - 125	3	20
Magnesium	39	B	10.0	48.8		mg/L		99	75 - 125	1	20
Manganese	0.19		0.500	0.652		mg/L		92	75 - 125	0	20
Nickel	0.0058	J	0.500	0.484		mg/L		96	75 - 125	0	20
Potassium	14		10.0	23.8		mg/L		94	75 - 125	1	20
Selenium	<0.010		0.100	0.0962		mg/L		96	75 - 125	2	20
Silver	<0.0050		0.0500	0.0433		mg/L		87	75 - 125	1	20
Sodium	34		10.0	44.0		mg/L		103	75 - 125	1	20
Thallium	<0.010		0.100	0.0894		mg/L		89	75 - 125	2	20
Vanadium	0.0027	J B	0.500	0.479		mg/L		95	75 - 125	0	20
Zinc	0.20	B	0.500	0.666		mg/L		94	75 - 125	4	20

Lab Sample ID: 500-58280-1 MSD — **Client Sample ID: JRF-W01-20130620**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190695 — **Prep Batch: 190626**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	0.52		1.00	1.40		mg/L		88	75 - 125	8	20

Lab Sample ID: 500-58280-1 DU — **Client Sample ID: JRF-W01-20130620**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190670 — **Prep Batch: 190626**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	0.21	B	0.157	J	mg/L		29	20
Antimony	0.023		0.0172	J	mg/L		29	20
Arsenic	0.0036	J	0.00425	J	mg/L		17	20
Barium	0.13		0.128		mg/L		2	20
Beryllium	0.00062	J B	0.000472	J	mg/L		26	20
Cadmium	0.0011	J B	0.00106	J	mg/L		2	20
Calcium	92	B	88.7		mg/L		4	20
Chromium	0.0011	J	0.00157	J	mg/L		36	20
Cobalt	0.056		0.0538		mg/L		3	20
Copper	0.017		0.0166		mg/L		0.7	20
Lead	0.0052	B	0.00483	J	mg/L		8	20
Magnesium	39	B	37.6		mg/L		4	20
Manganese	0.19		0.188		mg/L		3	20
Nickel	0.0058	J	0.00529	J	mg/L		8	20

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

Lab Sample ID: 500-58280-1 DU — **Client Sample ID: JRF-W01-20130620**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190670 — **Prep Batch: 190626**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Potassium	14		13.9		mg/L		3	20
Selenium	<0.010		0.00757	J	mg/L		NC	20
Silver	<0.0050		<0.0050		mg/L		NC	20
Sodium	34		33.0		mg/L		2	20
Thallium	<0.010		<0.010		mg/L		NC	20
Vanadium	0.0027	J B	0.00276	J	mg/L		2	20
Zinc	0.20	B	0.179		mg/L		9	20

Lab Sample ID: 500-58280-1 DU — **Client Sample ID: JRF-W01-20130620**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190695 — **Prep Batch: 190626**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iron	0.52		0.221	F	mg/L		81	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-190510/7-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190642 — **Prep Batch: 190510**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000064	mg/L		06/20/13 13:30	06/21/13 09:51	1

Lab Sample ID: LCS 500-190510/8-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190642 — **Prep Batch: 190510**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00209		mg/L		105	80 - 120

Lab Sample ID: LCSD 500-190510/12-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190642 — **Prep Batch: 190510**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00200	0.00217		mg/L		109	80 - 120	4	20

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-190653/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190649 — **Prep Batch: 190653**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	0.13	mg/L		06/21/13 09:00	06/21/13 09:00	1

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: LCS 500-190653/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190649 — **Prep Batch: 190653**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	3.70	3.97		mg/L		107	80 - 120

Lab Sample ID: 500-58280-2 MS — **Client Sample ID: JRF-W02-20130620**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190649 — **Prep Batch: 190653**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	<1.0		3.70	<1.0	F	mg/L		0	75 - 125

Lab Sample ID: 500-58280-2 MSD — **Client Sample ID: JRF-W02-20130620**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190649 — **Prep Batch: 190653**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	<1.0		3.70	<1.0	F	mg/L		0	75 - 125	NC	20

Method: 9040C - pH

Lab Sample ID: 500-58280-1 DU — **Client Sample ID: JRF-W01-20130620**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190697

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.75	HF	7.750		SU		0	

Lab Sample ID: 500-58280-2 DU — **Client Sample ID: JRF-W02-20130620**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190697

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	9.20	HF	9.210		SU		0.1	

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Client Sample ID: JRF-W01-20130620

Lab Sample ID: 500-58280-1

Date Collected: 06/20/13 20:20
Matrix: Water
Date Received: 06/21/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	190600	06/21/13 12:02	BDA	TAL CHI
Total/NA	Analysis	8260B		1	190600	06/21/13 11:13	BDA	TAL CHI
Total/NA	Prep	3510C			190604	06/21/13 08:00	DAK	TAL CHI
Total/NA	Analysis	8270D		5	190594	06/21/13 12:45	PMF	TAL CHI
Total/NA	Prep	3510C	DL		190604	06/21/13 08:00	DAK	TAL CHI
Total/NA	Analysis	8270D	DL	50	190594	06/21/13 13:34	PMF	TAL CHI
Total/NA	Prep	3510C	DL2		190604	06/21/13 08:00	DAK	TAL CHI
Total/NA	Analysis	8270D	DL2	500	190594	06/21/13 14:23	PMF	TAL CHI
Total/NA	Prep	7470A			190510	06/21/13 08:20	BJB	TAL CHI
Total/NA	Analysis	7470A		1	190642	06/21/13 10:48	BJB	TAL CHI
Total/NA	Prep	3010A			190626	06/21/13 08:15	LAH	TAL CHI
Total/NA	Analysis	6010B		1	190670	06/21/13 12:07	PJ1	TAL CHI
Total/NA	Prep	3010A			190626	06/21/13 08:15	LAH	TAL CHI
Total/NA	Analysis	6010B		1	190695	06/21/13 14:12	LEG	TAL CHI
Total/NA	Analysis	9034		1	190649		CLM	TAL CHI
					(Start)	06/21/13 09:05		
					(End)	06/21/13 09:07		
Total/NA	Prep	9030B			190653	06/21/13 09:05	CLM	TAL CHI
Total/NA	Analysis	9040C		1	190697		APW	TAL CHI
					(Start)	06/21/13 14:38		
					(End)	06/21/13 14:40		

Client Sample ID: JRF-W02-20130620

Lab Sample ID: 500-58280-2

Date Collected: 06/20/13 22:55
Matrix: Water
Date Received: 06/21/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190600	06/21/13 11:38	BDA	TAL CHI
Total/NA	Prep	3510C			190604	06/21/13 08:00	DAK	TAL CHI
Total/NA	Analysis	8270D		1	190594	06/21/13 13:10	PMF	TAL CHI
Total/NA	Prep	7470A			190510	06/21/13 08:20	BJB	TAL CHI
Total/NA	Analysis	7470A		1	190642	06/21/13 10:50	BJB	TAL CHI
Total/NA	Prep	3010A			190626	06/21/13 08:15	LAH	TAL CHI
Total/NA	Analysis	6010B		1	190670	06/21/13 12:27	PJ1	TAL CHI
Total/NA	Prep	3010A			190626	06/21/13 08:15	LAH	TAL CHI
Total/NA	Analysis	6010B		1	190695	06/21/13 14:32	LEG	TAL CHI
Total/NA	Analysis	9034		1	190649		CLM	TAL CHI
					(Start)	06/21/13 09:07		
					(End)	06/21/13 09:10		
Total/NA	Prep	9030B			190653	06/21/13 09:07	CLM	TAL CHI
Total/NA	Analysis	9040C		1	190697		APW	TAL CHI
					(Start)	06/21/13 14:42		
					(End)	06/21/13 14:43		

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Client Sample ID: Trip Blank
Date Collected: 06/20/13 00:00
Date Received: 06/21/13 07:30

Lab Sample ID: 500-58280-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190600	06/21/13 10:49	BDA	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58280-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	06-30-13 *
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Georgia	State Program	4	939	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-13
Massachusetts	State Program	1	M-IL035	06-30-13
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	06-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	07-15-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-58280 COC

(optional)
Report To
Contact: TONYA BALLA
Company: WESTON SOLUTIONS
Address:
Address:
Phone: 847-918-4094
Fax: —
E-Mail: T.BALLA@WESTONSOLUTIONS.COM

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-58280
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 4.4

Client: WESTON SOLUTIONS
Client Project #:
Project Name: J & R TIRE FIRE ER
Project Location/State: HOOPESTON, IL
Lab Project #:
Sampler: MENTAC & PETROBURGO
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC (Preservative 1)	SVOC (Preservative 8)	SULFIDE (Preservative 5)	METALS (Preservative 3)	PH (Preservative 8)					Comments
1		JRF-W01-20130620	06/20/13	20:20	8	W	X	X	X	X	X					
2		JRF-W02-20130620	06/20/13	2255	8	W	X	X	X	X	X					
		NO ADDITIONAL SAMPLES														
3		Trip Blank														added by TA

Turnaround Time Required (Business Days)
X 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other
Requested Due Date ____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Bob Pietrobugo	Professional Eng.	6-21-13	0530	[illegible]	Professional Env. Eng. (START)	06/21/13	0531
[illegible]	PE (START)	06/21/13	0730	Sherri Scott	TA-CHI	6/21/13	0730
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier -
Shipped
Hand Delivered WEZ PE

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments
24-HOUR TURN AROUND FOR RESULTS

Lab Comments:

TAL-4124-500 (1209)
6/21/2013

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-58280-1

Login Number: 58280
List Number: 1
Creator: Lunt, Jeff T

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.4
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-58367-1
Client Project/Site: Hoopeston, IL

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Ms. Tonya Balla

Authorized for release by:
6/24/2013 5:09:38 PM

Richard Wright, Project Manager II
richard.wright@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 500-58367-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-58367-1

Comments
No additional comments.

Receipt
The sample was received on 6/24/2013 9:08 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The following sample was diluted due to the abundance of non-target analytes: JRF-W02-20130623 (500-58367-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 190854 recovered outside control limits for the following analytes: 3-Nitroaniline, 4-Chloroaniline and Carbazole. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported. JRF-W02-20130623 (500-58367-1)

Method(s) 8270D: Surrogate recovery for the following sample was outside control limits: JRF-W02-20130623 (500-58367-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The matrix spike duplicate (MSD) recovery for sample 500-58367-1 was outside control limits for Zn. The associated laboratory control sample (LCS) recovery met acceptance criteria, therefore the data has been reported.

Method(s) 6010B: The method blank for preparation batch 190871 contained Ca and Na above the reporting limit (RL). The associated sample 500-58367-1 contained detects for this analyte at concentrations greater than 10X the value found in the method blank; therefore, re-digestion and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58367-1

Client Sample ID: JRF-W02-20130623

Lab Sample ID: 500-58367-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.0		1.0	0.12	ug/L	1		8260B	Total/NA
Methyl Ethyl Ketone	190		5.0	1.5	ug/L	1		8260B	Total/NA
Benzene	87		0.50	0.074	ug/L	1		8260B	Total/NA
Trichloroethene	1.6		0.50	0.19	ug/L	1		8260B	Total/NA
Toluene	29		0.50	0.11	ug/L	1		8260B	Total/NA
Ethylbenzene	5.8		0.50	0.13	ug/L	1		8260B	Total/NA
Xylenes, Total	13		1.0	0.068	ug/L	1		8260B	Total/NA
Styrene	2.2		1.0	0.10	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.94	J	1.0	0.14	ug/L	1		8260B	Total/NA
Acetone - DL	510		50	13	ug/L	10		8260B	Total/NA
methyl isobutyl ketone - DL	470		50	3.3	ug/L	10		8260B	Total/NA
2-Methylphenol	170		20	3.1	ug/L	10		8270D	Total/NA
3 & 4 Methylphenol	31		20	4.5	ug/L	10		8270D	Total/NA
Acetophenone	13	J	51	8.2	ug/L	10		8270D	Total/NA
Phenol	290		51	3.6	ug/L	10		8270D	Total/NA
Aluminum	0.062	J B	0.20	0.042	mg/L	1		6010B	Total/NA
Antimony	0.020		0.020	0.0039	mg/L	1		6010B	Total/NA
Barium	0.16	B	0.010	0.0011	mg/L	1		6010B	Total/NA
Beryllium	0.00050	J	0.0040	0.00043	mg/L	1		6010B	Total/NA
Cadmium	0.0014	J	0.0020	0.00026	mg/L	1		6010B	Total/NA
Calcium	170	B	0.20	0.032	mg/L	1		6010B	Total/NA
Chromium	0.0014	J	0.010	0.0010	mg/L	1		6010B	Total/NA
Cobalt	0.081		0.0050	0.00045	mg/L	1		6010B	Total/NA
Copper	0.017	B	0.010	0.0019	mg/L	1		6010B	Total/NA
Iron	0.23	B	0.20	0.043	mg/L	1		6010B	Total/NA
Lead	0.0056	B	0.0050	0.0023	mg/L	1		6010B	Total/NA
Magnesium	51	B	0.10	0.014	mg/L	1		6010B	Total/NA
Manganese	0.47	B	0.010	0.00094	mg/L	1		6010B	Total/NA
Nickel	0.014		0.010	0.0012	mg/L	1		6010B	Total/NA
Potassium	22		0.50	0.063	mg/L	1		6010B	Total/NA
Silver	0.00072	J B	0.0050	0.00057	mg/L	1		6010B	Total/NA
Sodium	62	B	1.0	0.14	mg/L	1		6010B	Total/NA
Vanadium	0.0017	J	0.0050	0.00056	mg/L	1		6010B	Total/NA
Zinc	1.3	B	0.020	0.0025	mg/L	1		6010B	Total/NA
Mercury	0.00045		0.00020	0.000064	mg/L	1		7470A	Total/NA
pH	7.27		0.200	0.200	SU	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58367-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
9040C	pH	SW846	TAL CHI

Protocol References:

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

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58367-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-58367-1	JRF-W02-20130623	Water	06/23/13 17:30	06/24/13 09:08

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58367-1

Client Sample ID: JRF-W02-20130623
Date Collected: 06/23/13 17:30
Date Received: 06/24/13 09:08

Lab Sample ID: 500-58367-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0	0.20	ug/L			06/24/13 12:44	1
Chloromethane	<1.0		1.0	0.18	ug/L			06/24/13 12:44	1
Vinyl chloride	<0.50		0.50	0.10	ug/L			06/24/13 12:44	1
Bromomethane	<1.0		1.0	0.31	ug/L			06/24/13 12:44	1
Chloroethane	<1.0		1.0	0.34	ug/L			06/24/13 12:44	1
Trichlorofluoromethane	<1.0		1.0	0.19	ug/L			06/24/13 12:44	1
1,1-Dichloroethene	<1.0		1.0	0.31	ug/L			06/24/13 12:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0	0.22	ug/L			06/24/13 12:44	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			06/24/13 12:44	1
Methyl acetate	<2.0		2.0	0.53	ug/L			06/24/13 12:44	1
Methylene Chloride	<5.0		5.0	0.68	ug/L			06/24/13 12:44	1
trans-1,2-Dichloroethene	<1.0		1.0	0.25	ug/L			06/24/13 12:44	1
Methyl tert-butyl ether	<1.0		1.0	0.24	ug/L			06/24/13 12:44	1
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			06/24/13 12:44	1
cis-1,2-Dichloroethene	**2.0**		1.0	0.12	ug/L			06/24/13 12:44	1
Methyl Ethyl Ketone	**190**		5.0	1.5	ug/L			06/24/13 12:44	1
Chloroform	<1.0		1.0	0.20	ug/L			06/24/13 12:44	1
1,1,1-Trichloroethane	<1.0		1.0	0.20	ug/L			06/24/13 12:44	1
Cyclohexane	<1.0		1.0	0.23	ug/L			06/24/13 12:44	1
Carbon tetrachloride	<1.0		1.0	0.26	ug/L			06/24/13 12:44	1
Benzene	**87**		0.50	0.074	ug/L			06/24/13 12:44	1
1,2-Dichloroethane	<1.0		1.0	0.28	ug/L			06/24/13 12:44	1
Trichloroethene	**1.6**		0.50	0.19	ug/L			06/24/13 12:44	1
Methylcyclohexane	<1.0		1.0	0.14	ug/L			06/24/13 12:44	1
1,2-Dichloropropane	<1.0		1.0	0.20	ug/L			06/24/13 12:44	1
Bromodichloromethane	<1.0		1.0	0.17	ug/L			06/24/13 12:44	1
cis-1,3-Dichloropropene	<1.0		1.0	0.18	ug/L			06/24/13 12:44	1
Toluene	**29**		0.50	0.11	ug/L			06/24/13 12:44	1
trans-1,3-Dichloropropene	<1.0		1.0	0.21	ug/L			06/24/13 12:44	1
1,1,2-Trichloroethane	<1.0		1.0	0.28	ug/L			06/24/13 12:44	1
Tetrachloroethene	<1.0		1.0	0.17	ug/L			06/24/13 12:44	1
2-Hexanone	<5.0		5.0	0.56	ug/L			06/24/13 12:44	1
Dibromochloromethane	<1.0		1.0	0.32	ug/L			06/24/13 12:44	1
1,2-Dibromoethane	<1.0		1.0	0.36	ug/L			06/24/13 12:44	1
Chlorobenzene	<1.0		1.0	0.14	ug/L			06/24/13 12:44	1
Ethylbenzene	**5.8**		0.50	0.13	ug/L			06/24/13 12:44	1
Xylenes, Total	**13**		1.0	0.068	ug/L			06/24/13 12:44	1
Styrene	**2.2**		1.0	0.10	ug/L			06/24/13 12:44	1
Bromoform	<1.0		1.0	0.28	ug/L			06/24/13 12:44	1
Isopropylbenzene	**0.94**	J	1.0	0.14	ug/L			06/24/13 12:44	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.23	ug/L			06/24/13 12:44	1
1,3-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/24/13 12:44	1
1,4-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/24/13 12:44	1
1,2-Dichlorobenzene	<1.0		1.0	0.27	ug/L			06/24/13 12:44	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	0.87	ug/L			06/24/13 12:44	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.31	ug/L			06/24/13 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 125*		*06/24/13 12:44*	*1*

Client Sample ID: JRF-W02-20130623

Lab Sample ID: 500-58367-1

Date Collected: 06/23/13 17:30

Matrix: Water

Date Received: 06/24/13 09:08

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*75 - 120*		*06/24/13 12:44*	*1*
4-Bromofluorobenzene (Surr)	*87*		*75 - 120*		*06/24/13 12:44*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*06/24/13 12:44*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**510**		50	13	ug/L			06/24/13 14:58	10
methyl isobutyl ketone	**470**		50	3.3	ug/L			06/24/13 14:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 125*		*06/24/13 14:58*	*10*
Toluene-d8 (Surr)	*91*		*75 - 120*		*06/24/13 14:58*	*10*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*06/24/13 14:58*	*10*
Dibromofluoromethane	*100*		*75 - 120*		*06/24/13 14:58*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<20		20	3.0	ug/L		06/24/13 09:39	06/24/13 15:06	10
2,4,5-Trichlorophenol	<100		100	23	ug/L		06/24/13 09:39	06/24/13 15:06	10
2,4,6-Trichlorophenol	<51		51	11	ug/L		06/24/13 09:39	06/24/13 15:06	10
2,4-Dichlorophenol	<100		100	23	ug/L		06/24/13 09:39	06/24/13 15:06	10
2,4-Dimethylphenol	<100		100	34	ug/L		06/24/13 09:39	06/24/13 15:06	10
2,4-Dinitrophenol	<200		200	75	ug/L		06/24/13 09:39	06/24/13 15:06	10
2,4-Dinitrotoluene	<10		10	3.0	ug/L		06/24/13 09:39	06/24/13 15:06	10
2,6-Dinitrotoluene	<5.1		5.1	1.2	ug/L		06/24/13 09:39	06/24/13 15:06	10
2-Chloronaphthalene	<20		20	3.4	ug/L		06/24/13 09:39	06/24/13 15:06	10
2-Chlorophenol	<51		51	8.1	ug/L		06/24/13 09:39	06/24/13 15:06	10
2-Methylnaphthalene	<5.1		5.1	1.3	ug/L		06/24/13 09:39	06/24/13 15:06	10
2-Methylphenol	**170**		20	3.1	ug/L		06/24/13 09:39	06/24/13 15:06	10
2-Nitroaniline	<51		51	11	ug/L		06/24/13 09:39	06/24/13 15:06	10
2-Nitrophenol	<100		100	22	ug/L		06/24/13 09:39	06/24/13 15:06	10
3 & 4 Methylphenol	**31**		20	4.5	ug/L		06/24/13 09:39	06/24/13 15:06	10
3,3'-Dichlorobenzidine	<51		51	9.5	ug/L		06/24/13 09:39	06/24/13 15:06	10
3-Nitroaniline	<100	*	100	23	ug/L		06/24/13 09:39	06/24/13 15:06	10
4,6-Dinitro-2-methylphenol	<200		200	50	ug/L		06/24/13 09:39	06/24/13 15:06	10
4-Bromophenyl phenyl ether	<51		51	9.2	ug/L		06/24/13 09:39	06/24/13 15:06	10
4-Chloro-3-methylphenol	<100		100	22	ug/L		06/24/13 09:39	06/24/13 15:06	10
4-Chloroaniline	<100	*	100	21	ug/L		06/24/13 09:39	06/24/13 15:06	10
4-Chlorophenyl phenyl ether	<51		51	8.2	ug/L		06/24/13 09:39	06/24/13 15:06	10
4-Nitroaniline	<100		100	40	ug/L		06/24/13 09:39	06/24/13 15:06	10
4-Nitrophenol	<200		200	24	ug/L		06/24/13 09:39	06/24/13 15:06	10
Acenaphthene	<10		10	3.6	ug/L		06/24/13 09:39	06/24/13 15:06	10
Acenaphthylene	<10		10	3.2	ug/L		06/24/13 09:39	06/24/13 15:06	10
Acetophenone	**13**	J	51	8.2	ug/L		06/24/13 09:39	06/24/13 15:06	10
Anthracene	<10		10	3.2	ug/L		06/24/13 09:39	06/24/13 15:06	10
Benzo[a]anthracene	<2.0		2.0	0.45	ug/L		06/24/13 09:39	06/24/13 15:06	10
Benzo[a]pyrene	<2.0		2.0	0.57	ug/L		06/24/13 09:39	06/24/13 15:06	10
Benzo[b]fluoranthene	<2.0		2.0	0.59	ug/L		06/24/13 09:39	06/24/13 15:06	10
Benzo[g,h,i]perylene	<10		10	4.3	ug/L		06/24/13 09:39	06/24/13 15:06	10
Benzo[k]fluoranthene	<2.0		2.0	0.75	ug/L		06/24/13 09:39	06/24/13 15:06	10

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58367-1

Client Sample ID: JRF-W02-20130623
Date Collected: 06/23/13 17:30
Date Received: 06/24/13 09:08

Lab Sample ID: 500-58367-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	<20		20	3.0	ug/L		06/24/13 09:39	06/24/13 15:06	10
Bis(2-chloroethyl)ether	<20		20	3.5	ug/L		06/24/13 09:39	06/24/13 15:06	10
Bis(2-ethylhexyl) phthalate	<100		100	25	ug/L		06/24/13 09:39	06/24/13 15:06	10
Butyl benzyl phthalate	<20		20	2.7	ug/L		06/24/13 09:39	06/24/13 15:06	10
Carbazole	<51	*	51	10	ug/L		06/24/13 09:39	06/24/13 15:06	10
Chrysene	<5.1		5.1	1.4	ug/L		06/24/13 09:39	06/24/13 15:06	10
Dibenz(a,h)anthracene	<3.0		3.0	0.65	ug/L		06/24/13 09:39	06/24/13 15:06	10
Dibenzofuran	<20		20	3.5	ug/L		06/24/13 09:39	06/24/13 15:06	10
Diethyl phthalate	<20		20	4.5	ug/L		06/24/13 09:39	06/24/13 15:06	10
Dimethyl phthalate	<20		20	3.8	ug/L		06/24/13 09:39	06/24/13 15:06	10
Di-n-butyl phthalate	<51		51	8.1	ug/L		06/24/13 09:39	06/24/13 15:06	10
Di-n-octyl phthalate	<100		100	25	ug/L		06/24/13 09:39	06/24/13 15:06	10
Fluoranthene	<10		10	3.2	ug/L		06/24/13 09:39	06/24/13 15:06	10
Fluorene	<10		10	3.8	ug/L		06/24/13 09:39	06/24/13 15:06	10
Hexachlorobenzene	<5.1		5.1	1.4	ug/L		06/24/13 09:39	06/24/13 15:06	10
Hexachlorobutadiene	<51		51	11	ug/L		06/24/13 09:39	06/24/13 15:06	10
Hexachlorocyclopentadiene	<200		200	35	ug/L		06/24/13 09:39	06/24/13 15:06	10
Hexachloroethane	<51		51	9.8	ug/L		06/24/13 09:39	06/24/13 15:06	10
Indeno[1,2,3-cd]pyrene	<2.0		2.0	0.85	ug/L		06/24/13 09:39	06/24/13 15:06	10
Isophorone	<20		20	2.9	ug/L		06/24/13 09:39	06/24/13 15:06	10
Naphthalene	<10		10	3.0	ug/L		06/24/13 09:39	06/24/13 15:06	10
Nitrobenzene	<10		10	4.6	ug/L		06/24/13 09:39	06/24/13 15:06	10
N-Nitrosodi-n-propylamine	<5.1		5.1	1.4	ug/L		06/24/13 09:39	06/24/13 15:06	10
N-Nitrosodiphenylamine	<10		10	3.4	ug/L		06/24/13 09:39	06/24/13 15:06	10
Pentachlorophenol	<200		200	57	ug/L		06/24/13 09:39	06/24/13 15:06	10
Phenanthrene	<10		10	3.5	ug/L		06/24/13 09:39	06/24/13 15:06	10
Phenol	**290**		51	3.6	ug/L		06/24/13 09:39	06/24/13 15:06	10
Pyrene	<10		10	4.9	ug/L		06/24/13 09:39	06/24/13 15:06	10
1,1'-Biphenyl	<51		51	51	ug/L		06/24/13 09:39	06/24/13 15:06	10
Atrazine	<51		51	25	ug/L		06/24/13 09:39	06/24/13 15:06	10
Benzaldehyde	<100		100	51	ug/L		06/24/13 09:39	06/24/13 15:06	10
Caprolactam	<100		100	100	ug/L		06/24/13 09:39	06/24/13 15:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*66*		*20 - 100*	*06/24/13 09:39*	*06/24/13 15:06*	*10*
Phenol-d5 (Surr)	*58*		*20 - 100*	*06/24/13 09:39*	*06/24/13 15:06*	*10*
Nitrobenzene-d5 (Surr)	*83*		*41 - 110*	*06/24/13 09:39*	*06/24/13 15:06*	*10*
2-Fluorobiphenyl	*94*		*48 - 110*	*06/24/13 09:39*	*06/24/13 15:06*	*10*
2,4,6-Tribromophenol (Surr)	*150*	*X*	*50 - 129*	*06/24/13 09:39*	*06/24/13 15:06*	*10*
Terphenyl-d14 (Surr)	*93*		*44 - 132*	*06/24/13 09:39*	*06/24/13 15:06*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.062**	**J B**	0.20	0.042	mg/L		06/24/13 09:45	06/24/13 13:01	1
Antimony	**0.020**		0.020	0.0039	mg/L		06/24/13 09:45	06/24/13 13:01	1
Arsenic	<0.010		0.010	0.0026	mg/L		06/24/13 09:45	06/24/13 13:01	1
Barium	**0.16**	**B**	0.010	0.0011	mg/L		06/24/13 09:45	06/24/13 13:01	1
Beryllium	**0.00050**	**J**	0.0040	0.00043	mg/L		06/24/13 09:45	06/24/13 13:01	1
Cadmium	**0.0014**	**J**	0.0020	0.00026	mg/L		06/24/13 09:45	06/24/13 13:01	1
Calcium	**170**	**B**	0.20	0.032	mg/L		06/24/13 09:45	06/24/13 13:01	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58367-1

Client Sample ID: JRF-W02-20130623
Date Collected: 06/23/13 17:30
Date Received: 06/24/13 09:08

Lab Sample ID: 500-58367-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0014	J	0.010	0.0010	mg/L		06/24/13 09:45	06/24/13 13:01	1
Cobalt	0.081		0.0050	0.00045	mg/L		06/24/13 09:45	06/24/13 13:01	1
Copper	0.017	B	0.010	0.0019	mg/L		06/24/13 09:45	06/24/13 13:01	1
Iron	0.23	B	0.20	0.043	mg/L		06/24/13 09:45	06/24/13 13:01	1
Lead	0.0056	B	0.0050	0.0023	mg/L		06/24/13 09:45	06/24/13 13:01	1
Magnesium	51	B	0.10	0.014	mg/L		06/24/13 09:45	06/24/13 13:01	1
Manganese	0.47	B	0.010	0.00094	mg/L		06/24/13 09:45	06/24/13 13:01	1
Nickel	0.014		0.010	0.0012	mg/L		06/24/13 09:45	06/24/13 13:01	1
Potassium	22		0.50	0.063	mg/L		06/24/13 09:45	06/24/13 13:01	1
Selenium	<0.010		0.010	0.0046	mg/L		06/24/13 09:45	06/24/13 13:01	1
Silver	0.00072	J B	0.0050	0.00057	mg/L		06/24/13 09:45	06/24/13 13:01	1
Sodium	62	B	1.0	0.14	mg/L		06/24/13 09:45	06/24/13 13:01	1
Thallium	<0.010		0.010	0.0029	mg/L		06/24/13 09:45	06/24/13 13:01	1
Vanadium	0.0017	J	0.0050	0.00056	mg/L		06/24/13 09:45	06/24/13 13:01	1
Zinc	1.3	B	0.020	0.0025	mg/L		06/24/13 09:45	06/24/13 13:01	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00045		0.00020	0.000064	mg/L		06/24/13 14:40	06/24/13 16:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.27		0.200	0.200	SU			06/24/13 15:20	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.

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.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits

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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58367-1

GC/MS VOA

Analysis Batch: 190836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58367-1 - DL	JRF-W02-20130623	Total/NA	Water	8260B	
500-58367-1	JRF-W02-20130623	Total/NA	Water	8260B	
LCS 500-190836/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-190836/7	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Analysis Batch: 190831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58367-1	JRF-W02-20130623	Total/NA	Water	8270D	190854

Prep Batch: 190854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58367-1	JRF-W02-20130623	Total/NA	Water	3510C	
LCS 500-190854/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-190854/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 500-190854/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 190899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-190854/2-A	Lab Control Sample	Total/NA	Water	8270D	190854
LCSD 500-190854/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	190854
MB 500-190854/1-A	Method Blank	Total/NA	Water	8270D	190854

Metals

Prep Batch: 190674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58367-1	JRF-W02-20130623	Total/NA	Water	7470A	
LCS 500-190674/8-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-190674/7-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 190871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58367-1	JRF-W02-20130623	Total/NA	Water	3010A	
500-58367-1 DU	JRF-W02-20130623	Total/NA	Water	3010A	
500-58367-1 MS	JRF-W02-20130623	Total/NA	Water	3010A	
500-58367-1 MSD	JRF-W02-20130623	Total/NA	Water	3010A	
LCS 500-190871/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 500-190871/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 190898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58367-1	JRF-W02-20130623	Total/NA	Water	6010B	190871
500-58367-1 DU	JRF-W02-20130623	Total/NA	Water	6010B	190871
500-58367-1 MS	JRF-W02-20130623	Total/NA	Water	6010B	190871
500-58367-1 MSD	JRF-W02-20130623	Total/NA	Water	6010B	190871
LCS 500-190871/2-A	Lab Control Sample	Total/NA	Water	6010B	190871
MB 500-190871/1-A	Method Blank	Total/NA	Water	6010B	190871

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58367-1

Metals (Continued)

Analysis Batch: 190923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58367-1	JRF-W02-20130623	Total/NA	Water	7470A	190674
LCS 500-190674/8-A	Lab Control Sample	Total/NA	Water	7470A	190674
MB 500-190674/7-A	Method Blank	Total/NA	Water	7470A	190674

General Chemistry

Analysis Batch: 190919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58367-1	JRF-W02-20130623	Total/NA	Water	9040C	
500-58367-1 DU	JRF-W02-20130623	Total/NA	Water	9040C	

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58367-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	**Client Sample ID**	(75-125)	(75-120)	(75-120)	(75-120)
500-58367-1 - DL	JRF-W02-20130623	96	91	86	100
500-58367-1	JRF-W02-20130623	93	91	87	100
LCS 500-190836/4	Lab Control Sample	91	92	88	100
MB 500-190836/7	Method Blank	96	91	88	99

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		2FP	PHL	NBZ	FBP	TBP	TPH
Lab Sample ID	**Client Sample ID**	(20-100)	(20-100)	(41-110)	(48-110)	(50-129)	(44-132)
500-58367-1	JRF-W02-20130623	66	58	83	94	150 X	93
LCS 500-190854/2-A	Lab Control Sample	45	32	76	74	89	86
LCSD 500-190854/3-A	Lab Control Sample Dup	43	30	70	70	78	91
MB 500-190854/1-A	Method Blank	46	30	70	73	84	83

Surrogate Legend

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

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-190836/7
Matrix: Water
Analysis Batch: 190836

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0	0.20	ug/L			06/24/13 11:51	1
Chloromethane	<1.0		1.0	0.18	ug/L			06/24/13 11:51	1
Vinyl chloride	<0.50		0.50	0.10	ug/L			06/24/13 11:51	1
Bromomethane	<1.0		1.0	0.31	ug/L			06/24/13 11:51	1
Chloroethane	<1.0		1.0	0.34	ug/L			06/24/13 11:51	1
Trichlorofluoromethane	<1.0		1.0	0.19	ug/L			06/24/13 11:51	1
1,1-Dichloroethene	<1.0		1.0	0.31	ug/L			06/24/13 11:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0	0.22	ug/L			06/24/13 11:51	1
Acetone	<5.0		5.0	1.3	ug/L			06/24/13 11:51	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			06/24/13 11:51	1
Methyl acetate	<2.0		2.0	0.53	ug/L			06/24/13 11:51	1
Methylene Chloride	<5.0		5.0	0.68	ug/L			06/24/13 11:51	1
trans-1,2-Dichloroethene	<1.0		1.0	0.25	ug/L			06/24/13 11:51	1
Methyl tert-butyl ether	<1.0		1.0	0.24	ug/L			06/24/13 11:51	1
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			06/24/13 11:51	1
cis-1,2-Dichloroethene	<1.0		1.0	0.12	ug/L			06/24/13 11:51	1
Methyl Ethyl Ketone	<5.0		5.0	1.5	ug/L			06/24/13 11:51	1
Chloroform	<1.0		1.0	0.20	ug/L			06/24/13 11:51	1
1,1,1-Trichloroethane	<1.0		1.0	0.20	ug/L			06/24/13 11:51	1
Cyclohexane	<1.0		1.0	0.23	ug/L			06/24/13 11:51	1
Carbon tetrachloride	<1.0		1.0	0.26	ug/L			06/24/13 11:51	1
Benzene	<0.50		0.50	0.074	ug/L			06/24/13 11:51	1
1,2-Dichloroethane	<1.0		1.0	0.28	ug/L			06/24/13 11:51	1
Trichloroethene	<0.50		0.50	0.19	ug/L			06/24/13 11:51	1
Methylcyclohexane	<1.0		1.0	0.14	ug/L			06/24/13 11:51	1
1,2-Dichloropropane	<1.0		1.0	0.20	ug/L			06/24/13 11:51	1
Bromodichloromethane	<1.0		1.0	0.17	ug/L			06/24/13 11:51	1
cis-1,3-Dichloropropene	<1.0		1.0	0.18	ug/L			06/24/13 11:51	1
methyl isobutyl ketone	<5.0		5.0	0.33	ug/L			06/24/13 11:51	1
Toluene	<0.50		0.50	0.11	ug/L			06/24/13 11:51	1
trans-1,3-Dichloropropene	<1.0		1.0	0.21	ug/L			06/24/13 11:51	1
1,1,2-Trichloroethane	<1.0		1.0	0.28	ug/L			06/24/13 11:51	1
Tetrachloroethene	<1.0		1.0	0.17	ug/L			06/24/13 11:51	1
2-Hexanone	<5.0		5.0	0.56	ug/L			06/24/13 11:51	1
Dibromochloromethane	<1.0		1.0	0.32	ug/L			06/24/13 11:51	1
1,2-Dibromoethane	<1.0		1.0	0.36	ug/L			06/24/13 11:51	1
Chlorobenzene	<1.0		1.0	0.14	ug/L			06/24/13 11:51	1
Ethylbenzene	<0.50		0.50	0.13	ug/L			06/24/13 11:51	1
Xylenes, Total	<1.0		1.0	0.068	ug/L			06/24/13 11:51	1
Styrene	<1.0		1.0	0.10	ug/L			06/24/13 11:51	1
Bromoform	<1.0		1.0	0.28	ug/L			06/24/13 11:51	1
Isopropylbenzene	<1.0		1.0	0.14	ug/L			06/24/13 11:51	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.23	ug/L			06/24/13 11:51	1
1,3-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/24/13 11:51	1
1,4-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/24/13 11:51	1
1,2-Dichlorobenzene	<1.0		1.0	0.27	ug/L			06/24/13 11:51	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	0.87	ug/L			06/24/13 11:51	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.31	ug/L			06/24/13 11:51	1

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

Lab Sample ID: MB 500-190836/7
Matrix: Water
Analysis Batch: 190836

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		75 - 125		06/24/13 11:51	1
Toluene-d8 (Surr)	91		75 - 120		06/24/13 11:51	1
4-Bromofluorobenzene (Surr)	88		75 - 120		06/24/13 11:51	1
Dibromofluoromethane	99		75 - 120		06/24/13 11:51	1

Lab Sample ID: LCS 500-190836/4
Matrix: Water
Analysis Batch: 190836

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	52.2		ug/L		104	40 - 140
Chloromethane	50.0	46.8		ug/L		94	50 - 134
Vinyl chloride	50.0	51.3		ug/L		103	62 - 138
Bromomethane	50.0	41.3		ug/L		83	50 - 150
Chloroethane	50.0	35.8		ug/L		72	50 - 150
Trichlorofluoromethane	50.0	44.1		ug/L		88	63 - 134
1,1-Dichloroethene	50.0	39.0		ug/L		78	58 - 122
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	40.0		ug/L		80	46 - 120
Acetone	50.0	44.7		ug/L		89	46 - 153
Carbon disulfide	50.0	38.9		ug/L		78	50 - 120
Methylene Chloride	50.0	40.9		ug/L		82	65 - 125
trans-1,2-Dichloroethene	50.0	42.9		ug/L		86	70 - 124
Methyl tert-butyl ether	50.0	39.5		ug/L		79	58 - 122
1,1-Dichloroethane	50.0	38.9		ug/L		78	68 - 121
cis-1,2-Dichloroethene	50.0	43.9		ug/L		88	70 - 120
Methyl Ethyl Ketone	50.0	38.8		ug/L		78	54 - 138
Chloroform	50.0	41.6		ug/L		83	70 - 120
1,1,1-Trichloroethane	50.0	39.0		ug/L		78	70 - 123
Carbon tetrachloride	50.0	41.5		ug/L		83	70 - 125
Benzene	50.0	42.0		ug/L		84	70 - 120
1,2-Dichloroethane	50.0	39.7		ug/L		79	69 - 120
Trichloroethene	50.0	45.4		ug/L		91	70 - 120
1,2-Dichloropropane	50.0	41.0		ug/L		82	70 - 120
Bromodichloromethane	50.0	38.8		ug/L		78	70 - 120
cis-1,3-Dichloropropene	50.0	42.0		ug/L		84	70 - 120
methyl isobutyl ketone	50.0	37.5		ug/L		75	59 - 135
Toluene	50.0	40.7		ug/L		81	70 - 120
trans-1,3-Dichloropropene	50.0	40.6		ug/L		81	70 - 120
1,1,2-Trichloroethane	50.0	41.8		ug/L		84	69 - 120
Tetrachloroethene	50.0	42.0		ug/L		84	70 - 123
2-Hexanone	50.0	39.3		ug/L		79	55 - 144
Dibromochloromethane	50.0	42.6		ug/L		85	70 - 120
1,2-Dibromoethane	50.0	41.9		ug/L		84	70 - 120
Chlorobenzene	50.0	42.3		ug/L		85	70 - 120
Ethylbenzene	50.0	42.0		ug/L		84	75 - 120
Xylenes, Total	100	81.9		ug/L		82	70 - 120
Styrene	50.0	44.2		ug/L		88	75 - 120

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

Lab Sample ID: LCS 500-190836/4
Matrix: Water
Analysis Batch: 190836

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	50.0	43.0		ug/L		86	70 - 125
Isopropylbenzene	50.0	39.5		ug/L		79	70 - 120
1,1,2,2-Tetrachloroethane	50.0	40.7		ug/L		81	70 - 128
1,3-Dichlorobenzene	50.0	43.9		ug/L		88	70 - 120
1,4-Dichlorobenzene	50.0	42.7		ug/L		85	75 - 120
1,2-Dichlorobenzene	50.0	44.1		ug/L		88	75 - 120
1,2-Dibromo-3-Chloropropane	50.0	37.8		ug/L		76	60 - 121
1,2,4-Trichlorobenzene	50.0	47.7		ug/L		95	65 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 125*
Toluene-d8 (Surr)	*92*		*75 - 120*
4-Bromofluorobenzene (Surr)	*88*		*75 - 120*
Dibromofluoromethane	*100*		*75 - 120*

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

Lab Sample ID: MB 500-190854/1-A
Matrix: Water
Analysis Batch: 190899

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<2.0		2.0	0.30	ug/L		06/24/13 09:39	06/24/13 16:43	1
2,4,5-Trichlorophenol	<10		10	2.3	ug/L		06/24/13 09:39	06/24/13 16:43	1
2,4,6-Trichlorophenol	<5.0		5.0	1.1	ug/L		06/24/13 09:39	06/24/13 16:43	1
2,4-Dichlorophenol	<10		10	2.3	ug/L		06/24/13 09:39	06/24/13 16:43	1
2,4-Dimethylphenol	<10		10	3.3	ug/L		06/24/13 09:39	06/24/13 16:43	1
2,4-Dinitrophenol	<20		20	7.4	ug/L		06/24/13 09:39	06/24/13 16:43	1
2,4-Dinitrotoluene	<1.0		1.0	0.30	ug/L		06/24/13 09:39	06/24/13 16:43	1
2,6-Dinitrotoluene	<0.50		0.50	0.12	ug/L		06/24/13 09:39	06/24/13 16:43	1
2-Chloronaphthalene	<2.0		2.0	0.34	ug/L		06/24/13 09:39	06/24/13 16:43	1
2-Chlorophenol	<5.0		5.0	0.80	ug/L		06/24/13 09:39	06/24/13 16:43	1
2-Methylnaphthalene	<0.50		0.50	0.13	ug/L		06/24/13 09:39	06/24/13 16:43	1
2-Methylphenol	<2.0		2.0	0.31	ug/L		06/24/13 09:39	06/24/13 16:43	1
2-Nitroaniline	<5.0		5.0	1.1	ug/L		06/24/13 09:39	06/24/13 16:43	1
2-Nitrophenol	<10		10	2.1	ug/L		06/24/13 09:39	06/24/13 16:43	1
3 & 4 Methylphenol	<2.0		2.0	0.44	ug/L		06/24/13 09:39	06/24/13 16:43	1
3,3'-Dichlorobenzidine	<5.0		5.0	0.94	ug/L		06/24/13 09:39	06/24/13 16:43	1
3-Nitroaniline	<10		10	2.3	ug/L		06/24/13 09:39	06/24/13 16:43	1
4,6-Dinitro-2-methylphenol	<20		20	4.9	ug/L		06/24/13 09:39	06/24/13 16:43	1
4-Bromophenyl phenyl ether	<5.0		5.0	0.91	ug/L		06/24/13 09:39	06/24/13 16:43	1
4-Chloro-3-methylphenol	<10		10	2.2	ug/L		06/24/13 09:39	06/24/13 16:43	1
4-Chloroaniline	<10		10	2.1	ug/L		06/24/13 09:39	06/24/13 16:43	1
4-Chlorophenyl phenyl ether	<5.0		5.0	0.81	ug/L		06/24/13 09:39	06/24/13 16:43	1
4-Nitroaniline	<10		10	3.9	ug/L		06/24/13 09:39	06/24/13 16:43	1
4-Nitrophenol	<20		20	2.3	ug/L		06/24/13 09:39	06/24/13 16:43	1
Acenaphthene	<1.0		1.0	0.36	ug/L		06/24/13 09:39	06/24/13 16:43	1
Acenaphthylene	<1.0		1.0	0.32	ug/L		06/24/13 09:39	06/24/13 16:43	1

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

Lab Sample ID: MB 500-190854/1-A
Matrix: Water
Analysis Batch: 190899

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	<5.0		5.0	0.81	ug/L		06/24/13 09:39	06/24/13 16:43	1
Anthracene	<1.0		1.0	0.32	ug/L		06/24/13 09:39	06/24/13 16:43	1
Benzo[a]anthracene	<0.20		0.20	0.044	ug/L		06/24/13 09:39	06/24/13 16:43	1
Benzo[a]pyrene	<0.20		0.20	0.056	ug/L		06/24/13 09:39	06/24/13 16:43	1
Benzo[b]fluoranthene	<0.20		0.20	0.058	ug/L		06/24/13 09:39	06/24/13 16:43	1
Benzo[g,h,i]perylene	<1.0		1.0	0.42	ug/L		06/24/13 09:39	06/24/13 16:43	1
Benzo[k]fluoranthene	<0.20		0.20	0.074	ug/L		06/24/13 09:39	06/24/13 16:43	1
Bis(2-chloroethoxy)methane	<2.0		2.0	0.30	ug/L		06/24/13 09:39	06/24/13 16:43	1
Bis(2-chloroethyl)ether	<2.0		2.0	0.35	ug/L		06/24/13 09:39	06/24/13 16:43	1
Bis(2-ethylhexyl) phthalate	<10		10	2.4	ug/L		06/24/13 09:39	06/24/13 16:43	1
Butyl benzyl phthalate	<2.0		2.0	0.27	ug/L		06/24/13 09:39	06/24/13 16:43	1
Carbazole	<5.0		5.0	0.99	ug/L		06/24/13 09:39	06/24/13 16:43	1
Chrysene	<0.50		0.50	0.14	ug/L		06/24/13 09:39	06/24/13 16:43	1
Dibenz(a,h)anthracene	<0.30		0.30	0.064	ug/L		06/24/13 09:39	06/24/13 16:43	1
Dibenzofuran	<2.0		2.0	0.35	ug/L		06/24/13 09:39	06/24/13 16:43	1
Diethyl phthalate	<2.0		2.0	0.44	ug/L		06/24/13 09:39	06/24/13 16:43	1
Dimethyl phthalate	<2.0		2.0	0.38	ug/L		06/24/13 09:39	06/24/13 16:43	1
Di-n-butyl phthalate	<5.0		5.0	0.80	ug/L		06/24/13 09:39	06/24/13 16:43	1
Di-n-octyl phthalate	<10		10	2.5	ug/L		06/24/13 09:39	06/24/13 16:43	1
Fluoranthene	<1.0		1.0	0.32	ug/L		06/24/13 09:39	06/24/13 16:43	1
Fluorene	<1.0		1.0	0.38	ug/L		06/24/13 09:39	06/24/13 16:43	1
Hexachlorobenzene	<0.50		0.50	0.14	ug/L		06/24/13 09:39	06/24/13 16:43	1
Hexachlorobutadiene	<5.0		5.0	1.1	ug/L		06/24/13 09:39	06/24/13 16:43	1
Hexachlorocyclopentadiene	<20		20	3.4	ug/L		06/24/13 09:39	06/24/13 16:43	1
Hexachloroethane	<5.0		5.0	0.97	ug/L		06/24/13 09:39	06/24/13 16:43	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	0.084	ug/L		06/24/13 09:39	06/24/13 16:43	1
Isophorone	<2.0		2.0	0.29	ug/L		06/24/13 09:39	06/24/13 16:43	1
Naphthalene	<1.0		1.0	0.30	ug/L		06/24/13 09:39	06/24/13 16:43	1
Nitrobenzene	<1.0		1.0	0.45	ug/L		06/24/13 09:39	06/24/13 16:43	1
N-Nitrosodi-n-propylamine	<0.50		0.50	0.14	ug/L		06/24/13 09:39	06/24/13 16:43	1
N-Nitrosodiphenylamine	<1.0		1.0	0.34	ug/L		06/24/13 09:39	06/24/13 16:43	1
Pentachlorophenol	<20		20	5.6	ug/L		06/24/13 09:39	06/24/13 16:43	1
Phenanthrene	<1.0		1.0	0.35	ug/L		06/24/13 09:39	06/24/13 16:43	1
Phenol	<5.0		5.0	0.36	ug/L		06/24/13 09:39	06/24/13 16:43	1
Pyrene	<1.0		1.0	0.48	ug/L		06/24/13 09:39	06/24/13 16:43	1
1,1'-Biphenyl	<5.0		5.0	5.0	ug/L		06/24/13 09:39	06/24/13 16:43	1
Atrazine	<5.0		5.0	2.5	ug/L		06/24/13 09:39	06/24/13 16:43	1
Benzaldehyde	<10		10	5.0	ug/L		06/24/13 09:39	06/24/13 16:43	1
Caprolactam	<10		10	10	ug/L		06/24/13 09:39	06/24/13 16:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*46*		*20 - 100*	*06/24/13 09:39*	*06/24/13 16:43*	*1*
Phenol-d5 (Surr)	*30*		*20 - 100*	*06/24/13 09:39*	*06/24/13 16:43*	*1*
Nitrobenzene-d5 (Surr)	*70*		*41 - 110*	*06/24/13 09:39*	*06/24/13 16:43*	*1*
2-Fluorobiphenyl	*73*		*48 - 110*	*06/24/13 09:39*	*06/24/13 16:43*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*50 - 129*	*06/24/13 09:39*	*06/24/13 16:43*	*1*
Terphenyl-d14 (Surr)	*83*		*44 - 132*	*06/24/13 09:39*	*06/24/13 16:43*	*1*

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

Lab Sample ID: LCS 500-190854/2-A
Matrix: Water
Analysis Batch: 190899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2'-oxybis[1-chloropropane]	40.0	28.2		ug/L		70	32 - 110
2,4,5-Trichlorophenol	40.0	34.4		ug/L		86	63 - 110
2,4,6-Trichlorophenol	40.0	31.5		ug/L		79	63 - 110
2,4-Dichlorophenol	40.0	28.6		ug/L		72	58 - 110
2,4-Dimethylphenol	40.0	30.1		ug/L		75	48 - 110
2,4-Dinitrophenol	80.0	58.8		ug/L		73	25 - 148
2,4-Dinitrotoluene	40.0	37.2		ug/L		93	62 - 119
2,6-Dinitrotoluene	40.0	36.3		ug/L		91	63 - 110
2-Chloronaphthalene	40.0	29.4		ug/L		74	48 - 110
2-Chlorophenol	40.0	27.9		ug/L		70	50 - 110
2-Methylnaphthalene	40.0	27.1		ug/L		68	39 - 110
2-Methylphenol	40.0	27.5		ug/L		69	42 - 100
2-Nitroaniline	40.0	35.2		ug/L		88	62 - 121
2-Nitrophenol	40.0	30.5		ug/L		76	56 - 110
3 & 4 Methylphenol	40.0	25.5		ug/L		64	38 - 110
3,3'-Dichlorobenzidine	40.0	28.2		ug/L		70	56 - 111
3-Nitroaniline	40.0	77.7	E *	ug/L		194	55 - 113
4,6-Dinitro-2-methylphenol	80.0	67.7		ug/L		85	58 - 121
4-Bromophenyl phenyl ether	40.0	34.5		ug/L		86	59 - 110
4-Chloro-3-methylphenol	40.0	29.5		ug/L		74	52 - 111
4-Chloroaniline	40.0	42.0		ug/L		105	47 - 110
4-Chlorophenyl phenyl ether	40.0	33.3		ug/L		83	59 - 110
4-Nitroaniline	40.0	49.9		ug/L		125	52 - 125
4-Nitrophenol	80.0	25.9		ug/L		32	20 - 100
Acenaphthene	40.0	31.2		ug/L		78	53 - 110
Acenaphthylene	40.0	31.3		ug/L		78	56 - 110
Acetophenone	40.0	29.7		ug/L		74	48 - 110
Anthracene	40.0	34.5		ug/L		86	58 - 110
Benzo[a]anthracene	40.0	31.9		ug/L		80	62 - 110
Benzo[a]pyrene	40.0	33.1		ug/L		83	63 - 110
Benzo[b]fluoranthene	40.0	32.4		ug/L		81	60 - 111
Benzo[g,h,i]perylene	40.0	34.6		ug/L		87	56 - 123
Benzo[k]fluoranthene	40.0	33.1		ug/L		83	59 - 116
Bis(2-chloroethoxy)methane	40.0	29.6		ug/L		74	56 - 110
Bis(2-chloroethyl)ether	40.0	25.2		ug/L		63	49 - 110
Bis(2-ethylhexyl) phthalate	40.0	34.9		ug/L		87	62 - 122
Butyl benzyl phthalate	40.0	35.9		ug/L		90	64 - 126
Carbazole	40.0	74.4	E *	ug/L		186	62 - 112
Chrysene	40.0	37.2		ug/L		93	62 - 111
Dibenz(a,h)anthracene	40.0	33.9		ug/L		85	59 - 120
Dibenzofuran	40.0	31.6		ug/L		79	56 - 110
Diethyl phthalate	40.0	33.0		ug/L		82	63 - 110
Dimethyl phthalate	40.0	33.5		ug/L		84	65 - 110
Di-n-butyl phthalate	40.0	36.0		ug/L		90	64 - 116
Di-n-octyl phthalate	40.0	36.1		ug/L		90	59 - 131
Fluoranthene	40.0	34.5		ug/L		86	62 - 112
Fluorene	40.0	31.9		ug/L		80	53 - 110
Hexachlorobenzene	40.0	34.1		ug/L		85	60 - 110

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

Lab Sample ID: LCS 500-190854/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190899 — **Prep Batch: 190854**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	40.0	24.9		ug/L		62	28 - 110
Hexachlorocyclopentadiene	40.0	24.0		ug/L		60	15 - 110
Hexachloroethane	40.0	24.3		ug/L		61	29 - 100
Indeno[1,2,3-cd]pyrene	40.0	33.7		ug/L		84	61 - 117
Isophorone	40.0	30.2		ug/L		75	51 - 110
Naphthalene	40.0	26.5		ug/L		66	39 - 110
Nitrobenzene	40.0	28.8		ug/L		72	52 - 110
N-Nitrosodi-n-propylamine	40.0	29.4		ug/L		73	43 - 110
N-Nitrosodiphenylamine	40.0	34.7		ug/L		87	64 - 110
Pentachlorophenol	80.0	59.6		ug/L		74	42 - 127
Phenanthrene	40.0	33.8		ug/L		85	59 - 110
Phenol	40.0	13.4		ug/L		33	20 - 100
Pyrene	40.0	35.0		ug/L		87	58 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*45*		*20 - 100*
Phenol-d5 (Surr)	*32*		*20 - 100*
Nitrobenzene-d5 (Surr)	*76*		*41 - 110*
2-Fluorobiphenyl	*74*		*48 - 110*
2,4,6-Tribromophenol (Surr)	*89*		*50 - 129*
Terphenyl-d14 (Surr)	*86*		*44 - 132*

Lab Sample ID: LCSD 500-190854/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190899 — **Prep Batch: 190854**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,2'-oxybis[1-chloropropane]	40.0	28.0		ug/L		70	32 - 110	1	20
2,4,5-Trichlorophenol	40.0	33.6		ug/L		84	63 - 110	2	20
2,4,6-Trichlorophenol	40.0	30.9		ug/L		77	63 - 110	2	20
2,4-Dichlorophenol	40.0	29.6		ug/L		74	58 - 110	3	20
2,4-Dimethylphenol	40.0	31.4		ug/L		78	48 - 110	4	20
2,4-Dinitrophenol	80.0	52.3		ug/L		65	25 - 148	12	20
2,4-Dinitrotoluene	40.0	36.0		ug/L		90	62 - 119	3	20
2,6-Dinitrotoluene	40.0	36.6		ug/L		92	63 - 110	1	20
2-Chloronaphthalene	40.0	28.8		ug/L		72	48 - 110	2	20
2-Chlorophenol	40.0	27.6		ug/L		69	50 - 110	1	20
2-Methylnaphthalene	40.0	28.9		ug/L		72	39 - 110	6	20
2-Methylphenol	40.0	27.0		ug/L		68	42 - 100	2	20
2-Nitroaniline	40.0	35.0		ug/L		87	62 - 121	1	20
2-Nitrophenol	40.0	29.6		ug/L		74	56 - 110	3	20
3 & 4 Methylphenol	40.0	26.8		ug/L		67	38 - 110	5	20
3,3'-Dichlorobenzidine	40.0	33.5		ug/L		84	56 - 111	17	20
3-Nitroaniline	40.0	77.6	E *	ug/L		194	55 - 113	0	20
4,6-Dinitro-2-methylphenol	80.0	63.9		ug/L		80	58 - 121	6	20
4-Bromophenyl phenyl ether	40.0	34.4		ug/L		86	59 - 110	0	20
4-Chloro-3-methylphenol	40.0	32.8		ug/L		82	52 - 111	10	20
4-Chloroaniline	40.0	49.0	*	ug/L		123	47 - 110	15	20

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

Lab Sample ID: LCSD 500-190854/3-A
Matrix: Water
Analysis Batch: 190899

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 190854

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chlorophenyl phenyl ether	40.0	32.3		ug/L		81	59 - 110	3	20
4-Nitroaniline	40.0	43.7		ug/L		109	52 - 125	13	20
4-Nitrophenol	80.0	22.3		ug/L		28	20 - 100	15	20
Acenaphthene	40.0	30.4		ug/L		76	53 - 110	3	20
Acenaphthylene	40.0	31.2		ug/L		78	56 - 110	0	20
Acetophenone	40.0	30.5		ug/L		76	48 - 110	2	20
Anthracene	40.0	34.3		ug/L		86	58 - 110	1	20
Benzo[a]anthracene	40.0	33.0		ug/L		82	62 - 110	3	20
Benzo[a]pyrene	40.0	34.3		ug/L		86	63 - 110	4	20
Benzo[b]fluoranthene	40.0	33.9		ug/L		85	60 - 111	5	20
Benzo[g,h,i]perylene	40.0	37.1		ug/L		93	56 - 123	7	20
Benzo[k]fluoranthene	40.0	34.3		ug/L		86	59 - 116	3	20
Bis(2-chloroethoxy)methane	40.0	30.7		ug/L		77	56 - 110	4	20
Bis(2-chloroethyl)ether	40.0	23.2		ug/L		58	49 - 110	8	20
Bis(2-ethylhexyl) phthalate	40.0	35.7		ug/L		89	62 - 122	2	20
Butyl benzyl phthalate	40.0	37.3		ug/L		93	64 - 126	4	20
Carbazole	40.0	71.2	E *	ug/L		178	62 - 112	4	20
Chrysene	40.0	38.0		ug/L		95	62 - 111	2	20
Dibenz(a,h)anthracene	40.0	35.4		ug/L		88	59 - 120	4	20
Dibenzofuran	40.0	31.8		ug/L		79	56 - 110	0	20
Diethyl phthalate	40.0	32.4		ug/L		81	63 - 110	2	20
Dimethyl phthalate	40.0	34.5		ug/L		86	65 - 110	3	20
Di-n-butyl phthalate	40.0	37.3		ug/L		93	64 - 116	4	20
Di-n-octyl phthalate	40.0	36.8		ug/L		92	59 - 131	2	20
Fluoranthene	40.0	32.5		ug/L		81	62 - 112	6	20
Fluorene	40.0	31.4		ug/L		78	53 - 110	2	20
Hexachlorobenzene	40.0	34.3		ug/L		86	60 - 110	1	20
Hexachlorobutadiene	40.0	24.7		ug/L		62	28 - 110	1	20
Hexachlorocyclopentadiene	40.0	21.1		ug/L		53	15 - 110	13	20
Hexachloroethane	40.0	23.4		ug/L		59	29 - 100	4	20
Indeno[1,2,3-cd]pyrene	40.0	35.4		ug/L		89	61 - 117	5	20
Isophorone	40.0	33.1		ug/L		83	51 - 110	9	20
Naphthalene	40.0	27.1		ug/L		68	39 - 110	2	20
Nitrobenzene	40.0	27.6		ug/L		69	52 - 110	4	20
N-Nitrosodi-n-propylamine	40.0	30.9		ug/L		77	43 - 110	5	20
N-Nitrosodiphenylamine	40.0	35.3		ug/L		88	64 - 110	2	20
Pentachlorophenol	80.0	62.4		ug/L		78	42 - 127	5	20
Phenanthrene	40.0	33.6		ug/L		84	59 - 110	1	20
Phenol	40.0	13.4		ug/L		34	20 - 100	0	20
Pyrene	40.0	39.8		ug/L		100	58 - 115	13	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*43*		*20 - 100*
Phenol-d5 (Surr)	*30*		*20 - 100*
Nitrobenzene-d5 (Surr)	*70*		*41 - 110*
2-Fluorobiphenyl	*70*		*48 - 110*
2,4,6-Tribromophenol (Surr)	*78*		*50 - 129*
Terphenyl-d14 (Surr)	*91*		*44 - 132*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-190871/1-A
Matrix: Water
Analysis Batch: 190898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190871

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0526	J	0.20	0.042	mg/L		06/24/13 09:45	06/24/13 12:46	1
Antimony	<0.020		0.020	0.0039	mg/L		06/24/13 09:45	06/24/13 12:46	1
Arsenic	<0.010		0.010	0.0026	mg/L		06/24/13 09:45	06/24/13 12:46	1
Barium	0.00149	J	0.010	0.0011	mg/L		06/24/13 09:45	06/24/13 12:46	1
Beryllium	<0.0040		0.0040	0.00043	mg/L		06/24/13 09:45	06/24/13 12:46	1
Cadmium	<0.0020		0.0020	0.00026	mg/L		06/24/13 09:45	06/24/13 12:46	1
Calcium	0.278		0.20	0.032	mg/L		06/24/13 09:45	06/24/13 12:46	1
Chromium	<0.010		0.010	0.0010	mg/L		06/24/13 09:45	06/24/13 12:46	1
Cobalt	<0.0050		0.0050	0.00045	mg/L		06/24/13 09:45	06/24/13 12:46	1
Copper	0.00228	J	0.010	0.0019	mg/L		06/24/13 09:45	06/24/13 12:46	1
Iron	0.115	J	0.20	0.043	mg/L		06/24/13 09:45	06/24/13 12:46	1
Lead	0.00285	J	0.0050	0.0023	mg/L		06/24/13 09:45	06/24/13 12:46	1
Magnesium	0.0175	J	0.10	0.014	mg/L		06/24/13 09:45	06/24/13 12:46	1
Manganese	0.00231	J	0.010	0.00094	mg/L		06/24/13 09:45	06/24/13 12:46	1
Nickel	<0.010		0.010	0.0012	mg/L		06/24/13 09:45	06/24/13 12:46	1
Potassium	<0.50		0.50	0.063	mg/L		06/24/13 09:45	06/24/13 12:46	1
Selenium	<0.010		0.010	0.0046	mg/L		06/24/13 09:45	06/24/13 12:46	1
Silver	0.000619	J	0.0050	0.00057	mg/L		06/24/13 09:45	06/24/13 12:46	1
Sodium	1.10		1.0	0.14	mg/L		06/24/13 09:45	06/24/13 12:46	1
Thallium	<0.010		0.010	0.0029	mg/L		06/24/13 09:45	06/24/13 12:46	1
Vanadium	<0.0050		0.0050	0.00056	mg/L		06/24/13 09:45	06/24/13 12:46	1
Zinc	0.0157	J	0.020	0.0025	mg/L		06/24/13 09:45	06/24/13 12:46	1

Lab Sample ID: LCS 500-190871/2-A
Matrix: Water
Analysis Batch: 190898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190871

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	1.84		mg/L		92	80 - 120
Antimony	0.500	0.452		mg/L		90	80 - 120
Arsenic	0.100	0.0887		mg/L		89	80 - 120
Barium	2.00	1.88		mg/L		94	80 - 120
Beryllium	0.0500	0.0454		mg/L		91	80 - 120
Cadmium	0.0500	0.0455		mg/L		91	80 - 120
Calcium	10.0	9.42		mg/L		94	80 - 120
Chromium	0.200	0.187		mg/L		94	80 - 120
Cobalt	0.500	0.468		mg/L		94	80 - 120
Copper	0.250	0.241		mg/L		96	80 - 120
Iron	1.00	0.956		mg/L		96	80 - 120
Lead	0.100	0.0935		mg/L		94	80 - 120
Magnesium	10.0	8.91		mg/L		89	80 - 120
Manganese	0.500	0.460		mg/L		92	80 - 120
Nickel	0.500	0.466		mg/L		93	80 - 120
Potassium	10.0	8.95		mg/L		89	80 - 120
Selenium	0.100	0.0847		mg/L		85	80 - 120
Silver	0.0500	0.0433		mg/L		87	80 - 120
Sodium	10.0	9.26		mg/L		93	80 - 120
Thallium	0.100	0.0891		mg/L		89	80 - 120

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

Lab Sample ID: LCS 500-190871/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190898 — **Prep Batch: 190871**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	0.500	0.479		mg/L		96	80 - 120
Zinc	0.500	0.467		mg/L		93	80 - 120

Lab Sample ID: 500-58367-1 MS — **Client Sample ID: JRF-W02-20130623**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190898 — **Prep Batch: 190871**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.062	J B	2.00	1.87		mg/L		91	75 - 125
Antimony	0.020		0.500	0.483		mg/L		93	75 - 125
Arsenic	<0.010		0.100	0.0988		mg/L		99	75 - 125
Barium	0.16	B	2.00	2.03		mg/L		93	75 - 125
Beryllium	0.00050	J	0.0500	0.0460		mg/L		91	75 - 125
Cadmium	0.0014	J	0.0500	0.0481		mg/L		93	75 - 125
Calcium	170	B	10.0	169	4	mg/L		5	75 - 125
Chromium	0.0014	J	0.200	0.183		mg/L		91	75 - 125
Cobalt	0.081		0.500	0.554		mg/L		95	75 - 125
Copper	0.017	B	0.250	0.264		mg/L		99	75 - 125
Iron	0.23	B	1.00	1.14		mg/L		91	75 - 125
Lead	0.0056	B	0.100	0.100		mg/L		95	75 - 125
Magnesium	51	B	10.0	57.1	4	mg/L		64	75 - 125
Manganese	0.47	B	0.500	0.892		mg/L		85	75 - 125
Nickel	0.014		0.500	0.482		mg/L		94	75 - 125
Potassium	22		10.0	30.6		mg/L		82	75 - 125
Selenium	<0.010		0.100	0.0933		mg/L		93	75 - 125
Silver	0.00072	J B	0.0500	0.0442		mg/L		87	75 - 125
Sodium	62	B	10.0	68.9	4	mg/L		65	75 - 125
Thallium	<0.010		0.100	0.0864		mg/L		86	75 - 125
Vanadium	0.0017	J	0.500	0.482		mg/L		96	75 - 125
Zinc	1.3	B	0.500	1.73		mg/L		81	75 - 125

Lab Sample ID: 500-58367-1 MSD — **Client Sample ID: JRF-W02-20130623**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190898 — **Prep Batch: 190871**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	0.062	J B	2.00	1.87		mg/L		90	75 - 125	0	20
Antimony	0.020		0.500	0.488		mg/L		93	75 - 125	1	20
Arsenic	<0.010		0.100	0.0961		mg/L		96	75 - 125	3	20
Barium	0.16	B	2.00	2.05		mg/L		94	75 - 125	1	20
Beryllium	0.00050	J	0.0500	0.0463		mg/L		92	75 - 125	1	20
Cadmium	0.0014	J	0.0500	0.0481		mg/L		94	75 - 125	0	20
Calcium	170	B	10.0	167	4	mg/L		-18	75 - 125	1	20
Chromium	0.0014	J	0.200	0.183		mg/L		91	75 - 125	0	20
Cobalt	0.081		0.500	0.552		mg/L		94	75 - 125	0	20
Copper	0.017	B	0.250	0.264		mg/L		99	75 - 125	0	20
Iron	0.23	B	1.00	1.20		mg/L		97	75 - 125	5	20
Lead	0.0056	B	0.100	0.0976		mg/L		92	75 - 125	3	20
Magnesium	51	B	10.0	56.5	4	mg/L		59	75 - 125	1	20

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

Lab Sample ID: 500-58367-1 MSD — **Client Sample ID: JRF-W02-20130623**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190898 — **Prep Batch: 190871**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	0.47	B	0.500	0.893		mg/L		85	75 - 125	0	20
Nickel	0.014		0.500	0.481		mg/L		94	75 - 125	0	20
Potassium	22		10.0	30.4		mg/L		79	75 - 125	1	20
Selenium	<0.010		0.100	0.0905		mg/L		91	75 - 125	3	20
Silver	0.00072	J B	0.0500	0.0444		mg/L		87	75 - 125	0	20
Sodium	62	B	10.0	68.1	4	mg/L		57	75 - 125	1	20
Thallium	<0.010		0.100	0.0870		mg/L		87	75 - 125	1	20
Vanadium	0.0017	J	0.500	0.481		mg/L		96	75 - 125	0	20
Zinc	1.3	B	0.500	1.69	F	mg/L		74	75 - 125	2	20

Lab Sample ID: 500-58367-1 DU — **Client Sample ID: JRF-W02-20130623**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190898 — **Prep Batch: 190871**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	0.062	J B	0.0592	J	mg/L		5	20
Antimony	0.020		0.0198	J	mg/L		2	20
Arsenic	<0.010		<0.010		mg/L		NC	20
Barium	0.16	B	0.164		mg/L		0.3	20
Beryllium	0.00050	J	<0.0040		mg/L		NC	20
Cadmium	0.0014	J	0.00126	J	mg/L		9	20
Calcium	170	B	169		mg/L		0.2	20
Chromium	0.0014	J	0.00177	J	mg/L		22	20
Cobalt	0.081		0.0809		mg/L		0.5	20
Copper	0.017	B	0.0167		mg/L		0.2	20
Iron	0.23	B	0.251		mg/L		10	20
Lead	0.0056	B	0.00714		mg/L		25	20
Magnesium	51	B	50.9		mg/L		0.4	20
Manganese	0.47	B	0.469		mg/L		0.07	20
Nickel	0.014		0.0133		mg/L		2	20
Potassium	22		22.3		mg/L		0.4	20
Selenium	<0.010		<0.010		mg/L		NC	20
Silver	0.00072	J B	<0.0050		mg/L		NC	20
Sodium	62	B	62.6		mg/L		0.3	20
Thallium	<0.010		<0.010		mg/L		NC	20
Vanadium	0.0017	J	0.00202	J	mg/L		19	20
Zinc	1.3	B	1.33		mg/L		1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-190674/7-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190923 — **Prep Batch: 190674**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000064	mg/L		06/21/13 15:00	06/24/13 15:17	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 500-190674/8-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190923 — **Prep Batch: 190674**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00210		mg/L		105	80 - 120

Method: 9040C - pH

Lab Sample ID: 500-58367-1 DU — **Client Sample ID: JRF-W02-20130623**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190919

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.27		7.300		SU		0.4	

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58367-1

Client Sample ID: JRF-W02-20130623

Lab Sample ID: 500-58367-1

Date Collected: 06/23/13 17:30

Matrix: Water

Date Received: 06/24/13 09:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	190836	06/24/13 14:58	BBS	TAL CHI
Total/NA	Analysis	8260B		1	190836	06/24/13 12:44	BBS	TAL CHI
Total/NA	Prep	3510C			190854	06/24/13 09:39	SCH	TAL CHI
Total/NA	Analysis	8270D		10	190831	06/24/13 15:06	AJD	TAL CHI
Total/NA	Prep	3010A			190871	06/24/13 09:45	LAH	TAL CHI
Total/NA	Analysis	6010B		1	190898	06/24/13 13:01	PJ1	TAL CHI
Total/NA	Prep	7470A			190674	06/24/13 14:40	BJB	TAL CHI
Total/NA	Analysis	7470A		1	190923	06/24/13 16:32	DAJ	TAL CHI
Total/NA	Analysis	9040C		1	190919		CLM	TAL CHI
					(Start)	06/24/13 15:20		
					(End)	06/24/13 15:21		

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58367-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	06-30-13 *
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Georgia	State Program	4	939	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-13
Massachusetts	State Program	1	M-IL035	06-30-13
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	06-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	07-15-13

* Expired certification is currently pending renewal and is considered valid.

Chicago

500-58367 COC

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Tonya Balla	Site Contact: Tonya Balla	Date: 06/23/2013	COC No:
	Tel/Fax: 847-918--4094	Lab Contact:	Carrier: NA	1 of 1 COCs
Tonya Balla	Analysis Turnaround Time			Job No. J&R Tire Fire
t.balla@westonsolutions.com	Calendar (C) or Work Days (W)			
Phone 847 918-4094	TAT if different from Below 48 hrs			SDG No. 500-58367
	2 weeks			
Project Name: J&R Tire Fire ER	☐ 1 week			
Site: Hoopeston, IL	☐ 2 days			
P O #	☒ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs (Preservative: HCL)	SVOCs (Preservative: None)	Metals (Preservative:Nitric Acid)	pH (Preservative:Ice)	Sample Specific Notes:
JRF-W02-20130623	6/23/2013	1730	G	WT	7		x	x	x	x	2 svoc containers in case of breakage

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Zn Acetate/NaOH

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

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

Special Instructions/QC Requirements & Comments: 24-Hr turnaround for results.

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
KILLIAN CONDON	Bay West (Weston Sub) START	062413 0900		TestAmerica	06/24/13 0908

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-58367-1

Login Number: 58367
List Number: 1
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	2.0c
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-58544-1
Client Project/Site: Hoopeston, IL

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Ms. Tonya Balla

Authorized for release by:
7/1/2013 9:02:56 AM

Richard Wright, Project Manager II
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 500-58544-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-58544-1

Comments
No additional comments.

Receipt
The sample was received on 6/27/2013 4:00 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The following sample needs to be re-extracted due to many low spike recoveries in the LCS and LCSD. Batch 191368) Hold time expires 07/04/13. JRF-W03-20130627 (500-58544-1).

Method(s) 8270D: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 191368 recovered outside control limits for the following analytes: 3-Nitroaniline; 4-Chloroaniline; -Nitroaniline; and Carbazole. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.JRF-W03-20130627 (500-58544-1)

Method(s) 8270D: The following sample was diluted due to the abundance of target and non-target analytes: JRF-W03-20130627 (500-58544-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The method blank for preparation batch 191359 contained Fe and Zn above the reporting limit (RL). The associated sample 500-58544-1 contained detects for this analyte at concentrations greater than 10X the value found in the method blank; therefore, re-digestion and/or re-analysis of samples was not performed. The sample was also bracketed by CCV's and CCB's that were within the reporting limit, therefore the data has been reported.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

Client Sample ID: JRF-W03-20130627

Lab Sample ID: 500-58544-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl acetate	9.7		2.0	0.53	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	5.2		1.0	0.12	ug/L	1		8260B	Total/NA
Methyl Ethyl Ketone	87		5.0	1.5	ug/L	1		8260B	Total/NA
Benzene	91		0.50	0.074	ug/L	1		8260B	Total/NA
Trichloroethene	5.4		0.50	0.19	ug/L	1		8260B	Total/NA
Toluene	38		0.50	0.11	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.85	J	1.0	0.17	ug/L	1		8260B	Total/NA
2-Hexanone	2.5	J	5.0	0.56	ug/L	1		8260B	Total/NA
Ethylbenzene	6.7		0.50	0.13	ug/L	1		8260B	Total/NA
Xylenes, Total	13		1.0	0.068	ug/L	1		8260B	Total/NA
Styrene	1.9		1.0	0.10	ug/L	1		8260B	Total/NA
Isopropylbenzene	1.0		1.0	0.14	ug/L	1		8260B	Total/NA
Acetone - DL	320		25	6.5	ug/L	5		8260B	Total/NA
methyl isobutyl ketone - DL	300		25	1.7	ug/L	5		8260B	Total/NA
2-Methylphenol	180		10	1.6	ug/L	5		8270D	Total/NA
3 & 4 Methylphenol	59		10	2.3	ug/L	5		8270D	Total/NA
Benzo[a]pyrene	1.2		1.0	0.29	ug/L	5		8270D	Total/NA
Benzo[b]fluoranthene	0.88	J	1.0	0.30	ug/L	5		8270D	Total/NA
Benzo[k]fluoranthene	0.89	J	1.0	0.38	ug/L	5		8270D	Total/NA
Dibenz(a,h)anthracene	1.6		1.5	0.33	ug/L	5		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1.5		1.0	0.43	ug/L	5		8270D	Total/NA
Phenol - DL	360		51	3.7	ug/L	10		8270D	Total/NA
Antimony	0.0080	J	0.020	0.0039	mg/L	1		6010B	Total/NA
Barium	0.14		0.010	0.0011	mg/L	1		6010B	Total/NA
Cadmium	0.0011	J B	0.0020	0.00026	mg/L	1		6010B	Total/NA
Calcium	130	B	0.20	0.032	mg/L	1		6010B	Total/NA
Chromium	0.0015	J	0.010	0.0010	mg/L	1		6010B	Total/NA
Cobalt	0.035		0.0050	0.00045	mg/L	1		6010B	Total/NA
Copper	0.0087	J	0.010	0.0019	mg/L	1		6010B	Total/NA
Iron	6.5	B	0.20	0.043	mg/L	1		6010B	Total/NA
Lead	0.0047	J	0.0050	0.0023	mg/L	1		6010B	Total/NA
Magnesium	42		0.10	0.014	mg/L	1		6010B	Total/NA
Manganese	0.41		0.010	0.00094	mg/L	1		6010B	Total/NA
Nickel	0.0075	J	0.010	0.0012	mg/L	1		6010B	Total/NA
Potassium	16		0.50	0.063	mg/L	1		6010B	Total/NA
Silver	0.00058	J	0.0050	0.00057	mg/L	1		6010B	Total/NA
Sodium	71		1.0	0.14	mg/L	1		6010B	Total/NA
Vanadium	0.0012	J	0.0050	0.00056	mg/L	1		6010B	Total/NA
Zinc	0.80	B	0.020	0.0025	mg/L	1		6010B	Total/NA
Mercury	0.00020		0.00020	0.000064	mg/L	1		7470A	Total/NA
pH	7.10	HF	0.200	0.200	SU	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
9040C	pH	SW846	TAL CHI

Protocol References:

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

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-58544-1	JRF-W03-20130627	Water	06/27/13 13:35	06/27/13 16:00

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

Client Sample ID: JRF-W03-20130627

Lab Sample ID: 500-58544-1

Date Collected: 06/27/13 13:35

Matrix: Water

Date Received: 06/27/13 16:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0	0.20	ug/L			06/29/13 00:51	1
Chloromethane	<1.0		1.0	0.18	ug/L			06/29/13 00:51	1
Vinyl chloride	<0.50		0.50	0.10	ug/L			06/29/13 00:51	1
Bromomethane	<1.0		1.0	0.31	ug/L			06/29/13 00:51	1
Chloroethane	<1.0		1.0	0.34	ug/L			06/29/13 00:51	1
Trichlorofluoromethane	<1.0		1.0	0.19	ug/L			06/29/13 00:51	1
1,1-Dichloroethene	<1.0		1.0	0.31	ug/L			06/29/13 00:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0	0.22	ug/L			06/29/13 00:51	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			06/29/13 00:51	1
Methyl acetate	**9.7**		2.0	0.53	ug/L			06/29/13 00:51	1
Methylene Chloride	<5.0		5.0	0.68	ug/L			06/29/13 00:51	1
trans-1,2-Dichloroethene	<1.0		1.0	0.25	ug/L			06/29/13 00:51	1
Methyl tert-butyl ether	<1.0		1.0	0.24	ug/L			06/29/13 00:51	1
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			06/29/13 00:51	1
cis-1,2-Dichloroethene	**5.2**		1.0	0.12	ug/L			06/29/13 00:51	1
Methyl Ethyl Ketone	**87**		5.0	1.5	ug/L			06/29/13 00:51	1
Chloroform	<1.0		1.0	0.20	ug/L			06/29/13 00:51	1
1,1,1-Trichloroethane	<1.0		1.0	0.20	ug/L			06/29/13 00:51	1
Cyclohexane	<1.0		1.0	0.23	ug/L			06/29/13 00:51	1
Carbon tetrachloride	<1.0		1.0	0.26	ug/L			06/29/13 00:51	1
Benzene	**91**		0.50	0.074	ug/L			06/29/13 00:51	1
1,2-Dichloroethane	<1.0		1.0	0.28	ug/L			06/29/13 00:51	1
Trichloroethene	**5.4**		0.50	0.19	ug/L			06/29/13 00:51	1
Methylcyclohexane	<1.0		1.0	0.14	ug/L			06/29/13 00:51	1
1,2-Dichloropropane	<1.0		1.0	0.20	ug/L			06/29/13 00:51	1
Bromodichloromethane	<1.0		1.0	0.17	ug/L			06/29/13 00:51	1
cis-1,3-Dichloropropene	<1.0		1.0	0.18	ug/L			06/29/13 00:51	1
Toluene	**38**		0.50	0.11	ug/L			06/29/13 00:51	1
trans-1,3-Dichloropropene	<1.0		1.0	0.21	ug/L			06/29/13 00:51	1
1,1,2-Trichloroethane	<1.0		1.0	0.28	ug/L			06/29/13 00:51	1
Tetrachloroethene	**0.85**	J	1.0	0.17	ug/L			06/29/13 00:51	1
2-Hexanone	**2.5**	J	5.0	0.56	ug/L			06/29/13 00:51	1
Dibromochloromethane	<1.0		1.0	0.32	ug/L			06/29/13 00:51	1
1,2-Dibromoethane	<1.0		1.0	0.36	ug/L			06/29/13 00:51	1
Chlorobenzene	<1.0		1.0	0.14	ug/L			06/29/13 00:51	1
Ethylbenzene	**6.7**		0.50	0.13	ug/L			06/29/13 00:51	1
Xylenes, Total	**13**		1.0	0.068	ug/L			06/29/13 00:51	1
Styrene	**1.9**		1.0	0.10	ug/L			06/29/13 00:51	1
Bromoform	<1.0		1.0	0.28	ug/L			06/29/13 00:51	1
Isopropylbenzene	**1.0**		1.0	0.14	ug/L			06/29/13 00:51	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.23	ug/L			06/29/13 00:51	1
1,3-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/29/13 00:51	1
1,4-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/29/13 00:51	1
1,2-Dichlorobenzene	<1.0		1.0	0.27	ug/L			06/29/13 00:51	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	0.87	ug/L			06/29/13 00:51	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.31	ug/L			06/29/13 00:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 125*		*06/29/13 00:51*	*1*

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

Client Sample ID: JRF-W03-20130627

Lab Sample ID: 500-58544-1

Date Collected: 06/27/13 13:35
Date Received: 06/27/13 16:00

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		75 - 120		06/29/13 00:51	1
4-Bromofluorobenzene (Surr)	108		75 - 120		06/29/13 00:51	1
Dibromofluoromethane	102		75 - 120		06/29/13 00:51	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**320**		25	6.5	ug/L			06/30/13 09:30	5
methyl isobutyl ketone	**300**		25	1.7	ug/L			06/30/13 09:30	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 125		06/30/13 09:30	5
Toluene-d8 (Surr)	99		75 - 120		06/30/13 09:30	5
4-Bromofluorobenzene (Surr)	100		75 - 120		06/30/13 09:30	5
Dibromofluoromethane	101		75 - 120		06/30/13 09:30	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<10		10	1.5	ug/L		06/27/13 17:32	06/28/13 13:50	5
2,4,5-Trichlorophenol	<51		51	12	ug/L		06/27/13 17:32	06/28/13 13:50	5
2,4,6-Trichlorophenol	<26		26	5.6	ug/L		06/27/13 17:32	06/28/13 13:50	5
2,4-Dichlorophenol	<51		51	12	ug/L		06/27/13 17:32	06/28/13 13:50	5
2,4-Dimethylphenol	<51		51	17	ug/L		06/27/13 17:32	06/28/13 13:50	5
2,4-Dinitrophenol	<100		100	38	ug/L		06/27/13 17:32	06/28/13 13:50	5
2,4-Dinitrotoluene	<5.1		5.1	1.5	ug/L		06/27/13 17:32	06/28/13 13:50	5
2,6-Dinitrotoluene	<2.6		2.6	0.61	ug/L		06/27/13 17:32	06/28/13 13:50	5
2-Chloronaphthalene	<10		10	1.7	ug/L		06/27/13 17:32	06/28/13 13:50	5
2-Chlorophenol	<26		26	4.1	ug/L		06/27/13 17:32	06/28/13 13:50	5
2-Methylnaphthalene	<2.6		2.6	0.67	ug/L		06/27/13 17:32	06/28/13 13:50	5
2-Methylphenol	**180**		10	1.6	ug/L		06/27/13 17:32	06/28/13 13:50	5
2-Nitroaniline	<26		26	5.5	ug/L		06/27/13 17:32	06/28/13 13:50	5
2-Nitrophenol	<51		51	11	ug/L		06/27/13 17:32	06/28/13 13:50	5
3 & 4 Methylphenol	**59**		10	2.3	ug/L		06/27/13 17:32	06/28/13 13:50	5
3,3'-Dichlorobenzidine	<26		26	4.8	ug/L		06/27/13 17:32	06/28/13 13:50	5
3-Nitroaniline	<51	*	51	12	ug/L		06/27/13 17:32	06/28/13 13:50	5
4,6-Dinitro-2-methylphenol	<100		100	25	ug/L		06/27/13 17:32	06/28/13 13:50	5
4-Bromophenyl phenyl ether	<26		26	4.7	ug/L		06/27/13 17:32	06/28/13 13:50	5
4-Chloro-3-methylphenol	<51		51	11	ug/L		06/27/13 17:32	06/28/13 13:50	5
4-Chloroaniline	<51	*	51	11	ug/L		06/27/13 17:32	06/28/13 13:50	5
4-Chlorophenyl phenyl ether	<26		26	4.1	ug/L		06/27/13 17:32	06/28/13 13:50	5
4-Nitroaniline	<51	*	51	20	ug/L		06/27/13 17:32	06/28/13 13:50	5
4-Nitrophenol	<100		100	12	ug/L		06/27/13 17:32	06/28/13 13:50	5
Acenaphthene	<5.1		5.1	1.8	ug/L		06/27/13 17:32	06/28/13 13:50	5
Acenaphthylene	<5.1		5.1	1.6	ug/L		06/27/13 17:32	06/28/13 13:50	5
Acetophenone	<26		26	4.1	ug/L		06/27/13 17:32	06/28/13 13:50	5
Anthracene	<5.1		5.1	1.6	ug/L		06/27/13 17:32	06/28/13 13:50	5
Benzo[a]anthracene	<1.0		1.0	0.23	ug/L		06/27/13 17:32	06/28/13 13:50	5
Benzo[a]pyrene	**1.2**		1.0	0.29	ug/L		06/27/13 17:32	06/28/13 13:50	5
Benzo[b]fluoranthene	**0.88**	J	1.0	0.30	ug/L		06/27/13 17:32	06/28/13 13:50	5
Benzo[g,h,i]perylene	<5.1		5.1	2.2	ug/L		06/27/13 17:32	06/28/13 13:50	5
Benzo[k]fluoranthene	**0.89**	J	1.0	0.38	ug/L		06/27/13 17:32	06/28/13 13:50	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

Client Sample ID: JRF-W03-20130627
Date Collected: 06/27/13 13:35
Date Received: 06/27/13 16:00

Lab Sample ID: 500-58544-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	<10		10	1.5	ug/L		06/27/13 17:32	06/28/13 13:50	5
Bis(2-chloroethyl)ether	<10		10	1.8	ug/L		06/27/13 17:32	06/28/13 13:50	5
Bis(2-ethylhexyl) phthalate	<51		51	12	ug/L		06/27/13 17:32	06/28/13 13:50	5
Butyl benzyl phthalate	<10		10	1.4	ug/L		06/27/13 17:32	06/28/13 13:50	5
Carbazole	<26	*	26	5.1	ug/L		06/27/13 17:32	06/28/13 13:50	5
Chrysene	<2.6		2.6	0.72	ug/L		06/27/13 17:32	06/28/13 13:50	5
Dibenz(a,h)anthracene	**1.6**		1.5	0.33	ug/L		06/27/13 17:32	06/28/13 13:50	5
Dibenzofuran	<10		10	1.8	ug/L		06/27/13 17:32	06/28/13 13:50	5
Diethyl phthalate	<10		10	2.3	ug/L		06/27/13 17:32	06/28/13 13:50	5
Dimethyl phthalate	<10		10	1.9	ug/L		06/27/13 17:32	06/28/13 13:50	5
Di-n-butyl phthalate	<26		26	4.1	ug/L		06/27/13 17:32	06/28/13 13:50	5
Di-n-octyl phthalate	<51		51	13	ug/L		06/27/13 17:32	06/28/13 13:50	5
Fluoranthene	<5.1		5.1	1.6	ug/L		06/27/13 17:32	06/28/13 13:50	5
Fluorene	<5.1		5.1	1.9	ug/L		06/27/13 17:32	06/28/13 13:50	5
Hexachlorobenzene	<2.6		2.6	0.72	ug/L		06/27/13 17:32	06/28/13 13:50	5
Hexachlorobutadiene	<26		26	5.7	ug/L		06/27/13 17:32	06/28/13 13:50	5
Hexachlorocyclopentadiene	<100		100	18	ug/L		06/27/13 17:32	06/28/13 13:50	5
Hexachloroethane	<26		26	5.0	ug/L		06/27/13 17:32	06/28/13 13:50	5
Indeno[1,2,3-cd]pyrene	**1.5**		1.0	0.43	ug/L		06/27/13 17:32	06/28/13 13:50	5
Isophorone	<10		10	1.5	ug/L		06/27/13 17:32	06/28/13 13:50	5
Naphthalene	<5.1		5.1	1.5	ug/L		06/27/13 17:32	06/28/13 13:50	5
Nitrobenzene	<5.1		5.1	2.3	ug/L		06/27/13 17:32	06/28/13 13:50	5
N-Nitrosodi-n-propylamine	<2.6		2.6	0.72	ug/L		06/27/13 17:32	06/28/13 13:50	5
N-Nitrosodiphenylamine	<5.1		5.1	1.7	ug/L		06/27/13 17:32	06/28/13 13:50	5
Pentachlorophenol	<100		100	29	ug/L		06/27/13 17:32	06/28/13 13:50	5
Phenanthrene	<5.1		5.1	1.8	ug/L		06/27/13 17:32	06/28/13 13:50	5
Pyrene	<5.1		5.1	2.5	ug/L		06/27/13 17:32	06/28/13 13:50	5
1,1'-Biphenyl	<26		26	26	ug/L		06/27/13 17:32	06/28/13 13:50	5
Atrazine	<26		26	13	ug/L		06/27/13 17:32	06/28/13 13:50	5
Benzaldehyde	<51		51	26	ug/L		06/27/13 17:32	06/28/13 13:50	5
Caprolactam	<51	*	51	51	ug/L		06/27/13 17:32	06/28/13 13:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*41*		*20 - 100*	*06/27/13 17:32*	*06/28/13 13:50*	*5*
Phenol-d5 (Surr)	*37*		*20 - 100*	*06/27/13 17:32*	*06/28/13 13:50*	*5*
Nitrobenzene-d5 (Surr)	*54*		*41 - 110*	*06/27/13 17:32*	*06/28/13 13:50*	*5*
2-Fluorobiphenyl	*60*		*48 - 110*	*06/27/13 17:32*	*06/28/13 13:50*	*5*
2,4,6-Tribromophenol (Surr)	*71*		*50 - 129*	*06/27/13 17:32*	*06/28/13 13:50*	*5*
Terphenyl-d14 (Surr)	*57*		*44 - 132*	*06/27/13 17:32*	*06/28/13 13:50*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**360**		51	3.7	ug/L		06/27/13 17:32	06/28/13 15:30	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.20		0.20	0.042	mg/L		06/27/13 15:00	06/28/13 13:56	1
Antimony	**0.0080**	J	0.020	0.0039	mg/L		06/27/13 15:00	06/28/13 13:56	1
Arsenic	<0.010		0.010	0.0026	mg/L		06/27/13 15:00	06/28/13 13:56	1
Barium	**0.14**		0.010	0.0011	mg/L		06/27/13 15:00	06/28/13 13:56	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

Client Sample ID: JRF-W03-20130627
Date Collected: 06/27/13 13:35
Date Received: 06/27/13 16:00

Lab Sample ID: 500-58544-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.0040		0.0040	0.00043	mg/L		06/27/13 15:00	06/28/13 13:56	1
Cadmium	0.0011	J B	0.0020	0.00026	mg/L		06/27/13 15:00	06/28/13 13:56	1
Calcium	130	B	0.20	0.032	mg/L		06/27/13 15:00	06/28/13 13:56	1
Chromium	0.0015	J	0.010	0.0010	mg/L		06/27/13 15:00	06/28/13 13:56	1
Cobalt	0.035		0.0050	0.00045	mg/L		06/27/13 15:00	06/28/13 13:56	1
Copper	0.0087	J	0.010	0.0019	mg/L		06/27/13 15:00	06/28/13 13:56	1
Iron	6.5	B	0.20	0.043	mg/L		06/27/13 15:00	06/28/13 13:56	1
Lead	0.0047	J	0.0050	0.0023	mg/L		06/27/13 15:00	06/28/13 13:56	1
Magnesium	42		0.10	0.014	mg/L		06/27/13 15:00	06/28/13 13:56	1
Manganese	0.41		0.010	0.00094	mg/L		06/27/13 15:00	06/28/13 13:56	1
Nickel	0.0075	J	0.010	0.0012	mg/L		06/27/13 15:00	06/28/13 13:56	1
Potassium	16		0.50	0.063	mg/L		06/27/13 15:00	06/28/13 13:56	1
Selenium	<0.010		0.010	0.0046	mg/L		06/27/13 15:00	06/28/13 13:56	1
Silver	0.00058	J	0.0050	0.00057	mg/L		06/27/13 15:00	06/28/13 13:56	1
Sodium	71		1.0	0.14	mg/L		06/27/13 15:00	06/28/13 13:56	1
Thallium	<0.010		0.010	0.0029	mg/L		06/27/13 15:00	06/28/13 13:56	1
Vanadium	0.0012	J	0.0050	0.00056	mg/L		06/27/13 15:00	06/28/13 13:56	1
Zinc	0.80	B	0.020	0.0025	mg/L		06/27/13 15:00	06/28/13 13:56	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020		0.00020	0.000064	mg/L		06/28/13 08:20	06/28/13 11:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.10	HF	0.200	0.200	SU			06/27/13 18:36	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes

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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

GC/MS VOA

Analysis Batch: 191489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58544-1	JRF-W03-20130627	Total/NA	Water	8260B	
LCS 500-191489/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-191489/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 191570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58544-1 - DL	JRF-W03-20130627	Total/NA	Water	8260B	
LCS 500-191570/3	Lab Control Sample	Total/NA	Water	8260B	
MB 500-191570/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 191368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58544-1	JRF-W03-20130627	Total/NA	Water	3510C	
500-58544-1 - DL	JRF-W03-20130627	Total/NA	Water	3510C	
LCS 500-191368/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-191368/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 500-191368/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 191422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58544-1	JRF-W03-20130627	Total/NA	Water	8270D	191368
500-58544-1 - DL	JRF-W03-20130627	Total/NA	Water	8270D	191368
LCS 500-191368/2-A	Lab Control Sample	Total/NA	Water	8270D	191368
LCSD 500-191368/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	191368
MB 500-191368/1-A	Method Blank	Total/NA	Water	8270D	191368

Metals

Prep Batch: 191319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58544-1	JRF-W03-20130627	Total/NA	Water	7470A	
LCS 500-191319/8-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-191319/7-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 191359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58544-1	JRF-W03-20130627	Total/NA	Water	3010A	
LCS 500-191359/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 500-191359/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 191485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58544-1	JRF-W03-20130627	Total/NA	Water	7470A	191319
LCS 500-191319/8-A	Lab Control Sample	Total/NA	Water	7470A	191319
MB 500-191319/7-A	Method Blank	Total/NA	Water	7470A	191319

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

Metals (Continued)

Analysis Batch: 191507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58544-1	JRF-W03-20130627	Total/NA	Water	6010B	191359
LCS 500-191359/2-A	Lab Control Sample	Total/NA	Water	6010B	191359
MB 500-191359/1-A	Method Blank	Total/NA	Water	6010B	191359

General Chemistry

Analysis Batch: 191435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58544-1	JRF-W03-20130627	Total/NA	Water	9040C	
500-58544-1 DU	JRF-W03-20130627	Total/NA	Water	9040C	

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-125)	(75-120)	(75-120)	(75-120)
500-58544-1	JRF-W03-20130627	108	97	108	102
500-58544-1 - DL	JRF-W03-20130627	107	99	100	101
LCS 500-191489/4	Lab Control Sample	106	99	101	101
LCS 500-191570/3	Lab Control Sample	109	99	103	103
MB 500-191489/6	Method Blank	112	99	100	103
MB 500-191570/5	Method Blank	107	99	101	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		2FP	PHL	NBZ	FBP	TBP	TPH
Lab Sample ID	Client Sample ID	(20-100)	(20-100)	(41-110)	(48-110)	(50-129)	(44-132)
500-58544-1	JRF-W03-20130627	41	37	54	60	71	57
500-58544-1 - DL	JRF-W03-20130627	40	34	53	63	68	56
LCS 500-191368/2-A	Lab Control Sample	40	29	69	66	81	78
LCSD 500-191368/3-A	Lab Control Sample Dup	43	30	70	72	76	81
MB 500-191368/1-A	Method Blank	44	30	66	66	76	88

Surrogate Legend

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

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-191489/6
Matrix: Water
Analysis Batch: 191489

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0	0.20	ug/L			06/28/13 22:05	1
Chloromethane	<1.0		1.0	0.18	ug/L			06/28/13 22:05	1
Vinyl chloride	<0.50		0.50	0.10	ug/L			06/28/13 22:05	1
Bromomethane	<1.0		1.0	0.31	ug/L			06/28/13 22:05	1
Chloroethane	<1.0		1.0	0.34	ug/L			06/28/13 22:05	1
Trichlorofluoromethane	<1.0		1.0	0.19	ug/L			06/28/13 22:05	1
1,1-Dichloroethene	<1.0		1.0	0.31	ug/L			06/28/13 22:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0	0.22	ug/L			06/28/13 22:05	1
Acetone	<5.0		5.0	1.3	ug/L			06/28/13 22:05	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			06/28/13 22:05	1
Methyl acetate	<2.0		2.0	0.53	ug/L			06/28/13 22:05	1
Methylene Chloride	<5.0		5.0	0.68	ug/L			06/28/13 22:05	1
trans-1,2-Dichloroethene	<1.0		1.0	0.25	ug/L			06/28/13 22:05	1
Methyl tert-butyl ether	<1.0		1.0	0.24	ug/L			06/28/13 22:05	1
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			06/28/13 22:05	1
cis-1,2-Dichloroethene	<1.0		1.0	0.12	ug/L			06/28/13 22:05	1
Methyl Ethyl Ketone	<5.0		5.0	1.5	ug/L			06/28/13 22:05	1
Chloroform	<1.0		1.0	0.20	ug/L			06/28/13 22:05	1
1,1,1-Trichloroethane	<1.0		1.0	0.20	ug/L			06/28/13 22:05	1
Cyclohexane	<1.0		1.0	0.23	ug/L			06/28/13 22:05	1
Carbon tetrachloride	<1.0		1.0	0.26	ug/L			06/28/13 22:05	1
Benzene	<0.50		0.50	0.074	ug/L			06/28/13 22:05	1
1,2-Dichloroethane	<1.0		1.0	0.28	ug/L			06/28/13 22:05	1
Trichloroethene	<0.50		0.50	0.19	ug/L			06/28/13 22:05	1
Methylcyclohexane	<1.0		1.0	0.14	ug/L			06/28/13 22:05	1
1,2-Dichloropropane	<1.0		1.0	0.20	ug/L			06/28/13 22:05	1
Bromodichloromethane	<1.0		1.0	0.17	ug/L			06/28/13 22:05	1
cis-1,3-Dichloropropene	<1.0		1.0	0.18	ug/L			06/28/13 22:05	1
methyl isobutyl ketone	<5.0		5.0	0.33	ug/L			06/28/13 22:05	1
Toluene	<0.50		0.50	0.11	ug/L			06/28/13 22:05	1
trans-1,3-Dichloropropene	<1.0		1.0	0.21	ug/L			06/28/13 22:05	1
1,1,2-Trichloroethane	<1.0		1.0	0.28	ug/L			06/28/13 22:05	1
Tetrachloroethene	<1.0		1.0	0.17	ug/L			06/28/13 22:05	1
2-Hexanone	<5.0		5.0	0.56	ug/L			06/28/13 22:05	1
Dibromochloromethane	<1.0		1.0	0.32	ug/L			06/28/13 22:05	1
1,2-Dibromoethane	<1.0		1.0	0.36	ug/L			06/28/13 22:05	1
Chlorobenzene	<1.0		1.0	0.14	ug/L			06/28/13 22:05	1
Ethylbenzene	<0.50		0.50	0.13	ug/L			06/28/13 22:05	1
Xylenes, Total	<1.0		1.0	0.068	ug/L			06/28/13 22:05	1
Styrene	<1.0		1.0	0.10	ug/L			06/28/13 22:05	1
Bromoform	<1.0		1.0	0.28	ug/L			06/28/13 22:05	1
Isopropylbenzene	<1.0		1.0	0.14	ug/L			06/28/13 22:05	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.23	ug/L			06/28/13 22:05	1
1,3-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/28/13 22:05	1
1,4-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/28/13 22:05	1
1,2-Dichlorobenzene	<1.0		1.0	0.27	ug/L			06/28/13 22:05	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	0.87	ug/L			06/28/13 22:05	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.31	ug/L			06/28/13 22:05	1

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

Lab Sample ID: MB 500-191489/6
Matrix: Water
Analysis Batch: 191489

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		75 - 125		06/28/13 22:05	1
Toluene-d8 (Surr)	99		75 - 120		06/28/13 22:05	1
4-Bromofluorobenzene (Surr)	100		75 - 120		06/28/13 22:05	1
Dibromofluoromethane	103		75 - 120		06/28/13 22:05	1

Lab Sample ID: LCS 500-191489/4
Matrix: Water
Analysis Batch: 191489

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	51.5		ug/L		103	40 - 140
Chloromethane	50.0	53.4		ug/L		107	50 - 134
Vinyl chloride	50.0	49.6		ug/L		99	62 - 138
Bromomethane	50.0	44.7		ug/L		89	50 - 150
Chloroethane	50.0	43.0		ug/L		86	50 - 150
Trichlorofluoromethane	50.0	48.4		ug/L		97	63 - 134
1,1-Dichloroethene	50.0	44.8		ug/L		90	58 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.7		ug/L		93	46 - 120
Acetone	50.0	51.9		ug/L		104	46 - 153
Carbon disulfide	50.0	40.4		ug/L		81	50 - 120
Methylene Chloride	50.0	47.2		ug/L		94	65 - 125
trans-1,2-Dichloroethene	50.0	47.9		ug/L		96	70 - 124
Methyl tert-butyl ether	50.0	48.7		ug/L		97	58 - 122
1,1-Dichloroethane	50.0	51.2		ug/L		102	68 - 121
cis-1,2-Dichloroethene	50.0	51.1		ug/L		102	70 - 120
Methyl Ethyl Ketone	50.0	49.9		ug/L		100	54 - 138
Chloroform	50.0	51.5		ug/L		103	70 - 120
1,1,1-Trichloroethane	50.0	52.5		ug/L		105	70 - 123
Carbon tetrachloride	50.0	55.1		ug/L		110	70 - 125
Benzene	50.0	47.9		ug/L		96	70 - 120
1,2-Dichloroethane	50.0	57.4		ug/L		115	69 - 120
Trichloroethene	50.0	54.9		ug/L		110	70 - 120
1,2-Dichloropropane	50.0	52.0		ug/L		104	70 - 120
Bromodichloromethane	50.0	53.0		ug/L		106	70 - 120
cis-1,3-Dichloropropene	50.0	49.6		ug/L		99	70 - 120
methyl isobutyl ketone	50.0	52.0		ug/L		104	59 - 135
Toluene	50.0	50.1		ug/L		100	70 - 120
trans-1,3-Dichloropropene	50.0	49.4		ug/L		99	70 - 120
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	69 - 120
Tetrachloroethene	50.0	53.0		ug/L		106	70 - 123
2-Hexanone	50.0	49.3		ug/L		99	55 - 144
Dibromochloromethane	50.0	54.2		ug/L		108	70 - 120
1,2-Dibromoethane	50.0	52.2		ug/L		104	70 - 120
Chlorobenzene	50.0	51.1		ug/L		102	70 - 120
Ethylbenzene	50.0	51.2		ug/L		102	75 - 120
Xylenes, Total	100	101		ug/L		101	70 - 120
Styrene	50.0	51.6		ug/L		103	75 - 120

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

Lab Sample ID: LCS 500-191489/4
Matrix: Water
Analysis Batch: 191489

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	50.0	54.3		ug/L		109	70 - 125
Isopropylbenzene	50.0	49.3		ug/L		99	70 - 120
1,1,2,2-Tetrachloroethane	50.0	48.0		ug/L		96	70 - 128
1,3-Dichlorobenzene	50.0	51.1		ug/L		102	70 - 120
1,4-Dichlorobenzene	50.0	51.0		ug/L		102	75 - 120
1,2-Dichlorobenzene	50.0	51.9		ug/L		104	75 - 120
1,2-Dibromo-3-Chloropropane	50.0	54.5		ug/L		109	60 - 121
1,2,4-Trichlorobenzene	50.0	53.8		ug/L		108	65 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 125*
Toluene-d8 (Surr)	*99*		*75 - 120*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*
Dibromofluoromethane	*101*		*75 - 120*

Lab Sample ID: MB 500-191570/5
Matrix: Water
Analysis Batch: 191570

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0	0.20	ug/L			06/30/13 09:06	1
Chloromethane	<1.0		1.0	0.18	ug/L			06/30/13 09:06	1
Vinyl chloride	<0.50		0.50	0.10	ug/L			06/30/13 09:06	1
Bromomethane	<1.0		1.0	0.31	ug/L			06/30/13 09:06	1
Chloroethane	<1.0		1.0	0.34	ug/L			06/30/13 09:06	1
Trichlorofluoromethane	<1.0		1.0	0.19	ug/L			06/30/13 09:06	1
1,1-Dichloroethene	<1.0		1.0	0.31	ug/L			06/30/13 09:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0	0.22	ug/L			06/30/13 09:06	1
Acetone	<5.0		5.0	1.3	ug/L			06/30/13 09:06	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			06/30/13 09:06	1
Methyl acetate	<2.0		2.0	0.53	ug/L			06/30/13 09:06	1
Methylene Chloride	<5.0		5.0	0.68	ug/L			06/30/13 09:06	1
trans-1,2-Dichloroethene	<1.0		1.0	0.25	ug/L			06/30/13 09:06	1
Methyl tert-butyl ether	<1.0		1.0	0.24	ug/L			06/30/13 09:06	1
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			06/30/13 09:06	1
cis-1,2-Dichloroethene	<1.0		1.0	0.12	ug/L			06/30/13 09:06	1
Methyl Ethyl Ketone	<5.0		5.0	1.5	ug/L			06/30/13 09:06	1
Chloroform	<1.0		1.0	0.20	ug/L			06/30/13 09:06	1
1,1,1-Trichloroethane	<1.0		1.0	0.20	ug/L			06/30/13 09:06	1
Cyclohexane	<1.0		1.0	0.23	ug/L			06/30/13 09:06	1
Carbon tetrachloride	<1.0		1.0	0.26	ug/L			06/30/13 09:06	1
Benzene	<0.50		0.50	0.074	ug/L			06/30/13 09:06	1
1,2-Dichloroethane	<1.0		1.0	0.28	ug/L			06/30/13 09:06	1
Trichloroethene	<0.50		0.50	0.19	ug/L			06/30/13 09:06	1
Methylcyclohexane	<1.0		1.0	0.14	ug/L			06/30/13 09:06	1
1,2-Dichloropropane	<1.0		1.0	0.20	ug/L			06/30/13 09:06	1
Bromodichloromethane	<1.0		1.0	0.17	ug/L			06/30/13 09:06	1
cis-1,3-Dichloropropene	<1.0		1.0	0.18	ug/L			06/30/13 09:06	1

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

Lab Sample ID: MB 500-191570/5
Matrix: Water
Analysis Batch: 191570

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
methyl isobutyl ketone	<5.0		5.0	0.33	ug/L			06/30/13 09:06	1
Toluene	<0.50		0.50	0.11	ug/L			06/30/13 09:06	1
trans-1,3-Dichloropropene	<1.0		1.0	0.21	ug/L			06/30/13 09:06	1
1,1,2-Trichloroethane	<1.0		1.0	0.28	ug/L			06/30/13 09:06	1
Tetrachloroethene	<1.0		1.0	0.17	ug/L			06/30/13 09:06	1
2-Hexanone	<5.0		5.0	0.56	ug/L			06/30/13 09:06	1
Dibromochloromethane	<1.0		1.0	0.32	ug/L			06/30/13 09:06	1
1,2-Dibromoethane	<1.0		1.0	0.36	ug/L			06/30/13 09:06	1
Chlorobenzene	<1.0		1.0	0.14	ug/L			06/30/13 09:06	1
Ethylbenzene	<0.50		0.50	0.13	ug/L			06/30/13 09:06	1
Xylenes, Total	<1.0		1.0	0.068	ug/L			06/30/13 09:06	1
Styrene	<1.0		1.0	0.10	ug/L			06/30/13 09:06	1
Bromoform	<1.0		1.0	0.28	ug/L			06/30/13 09:06	1
Isopropylbenzene	<1.0		1.0	0.14	ug/L			06/30/13 09:06	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.23	ug/L			06/30/13 09:06	1
1,3-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/30/13 09:06	1
1,4-Dichlorobenzene	<1.0		1.0	0.15	ug/L			06/30/13 09:06	1
1,2-Dichlorobenzene	<1.0		1.0	0.27	ug/L			06/30/13 09:06	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	0.87	ug/L			06/30/13 09:06	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.31	ug/L			06/30/13 09:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 125*		*06/30/13 09:06*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*06/30/13 09:06*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*		*06/30/13 09:06*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*06/30/13 09:06*	*1*

Lab Sample ID: LCS 500-191570/3
Matrix: Water
Analysis Batch: 191570

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	47.5		ug/L		95	40 - 140
Chloromethane	50.0	48.3		ug/L		97	50 - 134
Vinyl chloride	50.0	46.4		ug/L		93	62 - 138
Bromomethane	50.0	35.2		ug/L		70	50 - 150
Chloroethane	50.0	39.6		ug/L		79	50 - 150
Trichlorofluoromethane	50.0	45.1		ug/L		90	63 - 134
1,1-Dichloroethene	50.0	48.0		ug/L		96	58 - 122
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	49.0		ug/L		98	46 - 120
Acetone	50.0	59.4		ug/L		119	46 - 153
Carbon disulfide	50.0	45.0		ug/L		90	50 - 120
Methylene Chloride	50.0	47.9		ug/L		96	65 - 125
trans-1,2-Dichloroethene	50.0	49.3		ug/L		99	70 - 124
Methyl tert-butyl ether	50.0	50.0		ug/L		100	58 - 122
1,1-Dichloroethane	50.0	51.9		ug/L		104	68 - 121
cis-1,2-Dichloroethene	50.0	51.0		ug/L		102	70 - 120

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

Lab Sample ID: LCS 500-191570/3
Matrix: Water
Analysis Batch: 191570

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl Ethyl Ketone	50.0	59.8		ug/L		120	54 - 138
Chloroform	50.0	51.2		ug/L		102	70 - 120
1,1,1-Trichloroethane	50.0	53.4		ug/L		107	70 - 123
Carbon tetrachloride	50.0	55.5		ug/L		111	70 - 125
Benzene	50.0	47.7		ug/L		95	70 - 120
1,2-Dichloroethane	50.0	58.7		ug/L		117	69 - 120
Trichloroethene	50.0	54.4		ug/L		109	70 - 120
1,2-Dichloropropane	50.0	53.0		ug/L		106	70 - 120
Bromodichloromethane	50.0	53.0		ug/L		106	70 - 120
cis-1,3-Dichloropropene	50.0	51.2		ug/L		102	70 - 120
methyl isobutyl ketone	50.0	60.8		ug/L		122	59 - 135
Toluene	50.0	50.3		ug/L		101	70 - 120
trans-1,3-Dichloropropene	50.0	51.2		ug/L		102	70 - 120
1,1,2-Trichloroethane	50.0	52.1		ug/L		104	69 - 120
Tetrachloroethene	50.0	52.8		ug/L		106	70 - 123
2-Hexanone	50.0	59.5		ug/L		119	55 - 144
Dibromochloromethane	50.0	55.5		ug/L		111	70 - 120
1,2-Dibromoethane	50.0	53.5		ug/L		107	70 - 120
Chlorobenzene	50.0	50.9		ug/L		102	70 - 120
Ethylbenzene	50.0	50.9		ug/L		102	75 - 120
Xylenes, Total	100	101		ug/L		101	70 - 120
Styrene	50.0	51.5		ug/L		103	75 - 120
Bromoform	50.0	56.6		ug/L		113	70 - 125
Isopropylbenzene	50.0	48.0		ug/L		96	70 - 120
1,1,2,2-Tetrachloroethane	50.0	48.0		ug/L		96	70 - 128
1,3-Dichlorobenzene	50.0	51.2		ug/L		102	70 - 120
1,4-Dichlorobenzene	50.0	51.1		ug/L		102	75 - 120
1,2-Dichlorobenzene	50.0	52.0		ug/L		104	75 - 120
1,2-Dibromo-3-Chloropropane	50.0	58.2		ug/L		116	60 - 121
1,2,4-Trichlorobenzene	50.0	55.7		ug/L		111	65 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 125*
Toluene-d8 (Surr)	*99*		*75 - 120*
4-Bromofluorobenzene (Surr)	*103*		*75 - 120*
Dibromofluoromethane	*103*		*75 - 120*

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

Lab Sample ID: MB 500-191368/1-A
Matrix: Water
Analysis Batch: 191422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191368

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<2.0		2.0	0.30	ug/L		06/27/13 17:32	06/28/13 12:11	1
2,4,5-Trichlorophenol	<10		10	2.3	ug/L		06/27/13 17:32	06/28/13 12:11	1
2,4,6-Trichlorophenol	<5.0		5.0	1.1	ug/L		06/27/13 17:32	06/28/13 12:11	1
2,4-Dichlorophenol	<10		10	2.3	ug/L		06/27/13 17:32	06/28/13 12:11	1

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

Lab Sample ID: MB 500-191368/1-A
Matrix: Water
Analysis Batch: 191422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191368

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<10		10	3.3	ug/L		06/27/13 17:32	06/28/13 12:11	1
2,4-Dinitrophenol	<20		20	7.4	ug/L		06/27/13 17:32	06/28/13 12:11	1
2,4-Dinitrotoluene	<1.0		1.0	0.30	ug/L		06/27/13 17:32	06/28/13 12:11	1
2,6-Dinitrotoluene	<0.50		0.50	0.12	ug/L		06/27/13 17:32	06/28/13 12:11	1
2-Chloronaphthalene	<2.0		2.0	0.34	ug/L		06/27/13 17:32	06/28/13 12:11	1
2-Chlorophenol	<5.0		5.0	0.80	ug/L		06/27/13 17:32	06/28/13 12:11	1
2-Methylnaphthalene	<0.50		0.50	0.13	ug/L		06/27/13 17:32	06/28/13 12:11	1
2-Methylphenol	<2.0		2.0	0.31	ug/L		06/27/13 17:32	06/28/13 12:11	1
2-Nitroaniline	<5.0		5.0	1.1	ug/L		06/27/13 17:32	06/28/13 12:11	1
2-Nitrophenol	<10		10	2.1	ug/L		06/27/13 17:32	06/28/13 12:11	1
3 & 4 Methylphenol	<2.0		2.0	0.44	ug/L		06/27/13 17:32	06/28/13 12:11	1
3,3'-Dichlorobenzidine	<5.0		5.0	0.94	ug/L		06/27/13 17:32	06/28/13 12:11	1
3-Nitroaniline	<10		10	2.3	ug/L		06/27/13 17:32	06/28/13 12:11	1
4,6-Dinitro-2-methylphenol	<20		20	4.9	ug/L		06/27/13 17:32	06/28/13 12:11	1
4-Bromophenyl phenyl ether	<5.0		5.0	0.91	ug/L		06/27/13 17:32	06/28/13 12:11	1
4-Chloro-3-methylphenol	<10		10	2.2	ug/L		06/27/13 17:32	06/28/13 12:11	1
4-Chloroaniline	<10		10	2.1	ug/L		06/27/13 17:32	06/28/13 12:11	1
4-Chlorophenyl phenyl ether	<5.0		5.0	0.81	ug/L		06/27/13 17:32	06/28/13 12:11	1
4-Nitroaniline	<10		10	3.9	ug/L		06/27/13 17:32	06/28/13 12:11	1
4-Nitrophenol	<20		20	2.3	ug/L		06/27/13 17:32	06/28/13 12:11	1
Acenaphthene	<1.0		1.0	0.36	ug/L		06/27/13 17:32	06/28/13 12:11	1
Acenaphthylene	<1.0		1.0	0.32	ug/L		06/27/13 17:32	06/28/13 12:11	1
Acetophenone	<5.0		5.0	0.81	ug/L		06/27/13 17:32	06/28/13 12:11	1
Anthracene	<1.0		1.0	0.32	ug/L		06/27/13 17:32	06/28/13 12:11	1
Benzo[a]anthracene	<0.20		0.20	0.044	ug/L		06/27/13 17:32	06/28/13 12:11	1
Benzo[a]pyrene	<0.20		0.20	0.056	ug/L		06/27/13 17:32	06/28/13 12:11	1
Benzo[b]fluoranthene	<0.20		0.20	0.058	ug/L		06/27/13 17:32	06/28/13 12:11	1
Benzo[g,h,i]perylene	<1.0		1.0	0.42	ug/L		06/27/13 17:32	06/28/13 12:11	1
Benzo[k]fluoranthene	<0.20		0.20	0.074	ug/L		06/27/13 17:32	06/28/13 12:11	1
Bis(2-chloroethoxy)methane	<2.0		2.0	0.30	ug/L		06/27/13 17:32	06/28/13 12:11	1
Bis(2-chloroethyl)ether	<2.0		2.0	0.35	ug/L		06/27/13 17:32	06/28/13 12:11	1
Bis(2-ethylhexyl) phthalate	<10		10	2.4	ug/L		06/27/13 17:32	06/28/13 12:11	1
Butyl benzyl phthalate	<2.0		2.0	0.27	ug/L		06/27/13 17:32	06/28/13 12:11	1
Carbazole	<5.0		5.0	0.99	ug/L		06/27/13 17:32	06/28/13 12:11	1
Chrysene	<0.50		0.50	0.14	ug/L		06/27/13 17:32	06/28/13 12:11	1
Dibenz(a,h)anthracene	<0.30		0.30	0.064	ug/L		06/27/13 17:32	06/28/13 12:11	1
Dibenzofuran	<2.0		2.0	0.35	ug/L		06/27/13 17:32	06/28/13 12:11	1
Diethyl phthalate	<2.0		2.0	0.44	ug/L		06/27/13 17:32	06/28/13 12:11	1
Dimethyl phthalate	<2.0		2.0	0.38	ug/L		06/27/13 17:32	06/28/13 12:11	1
Di-n-butyl phthalate	<5.0		5.0	0.80	ug/L		06/27/13 17:32	06/28/13 12:11	1
Di-n-octyl phthalate	<10		10	2.5	ug/L		06/27/13 17:32	06/28/13 12:11	1
Fluoranthene	<1.0		1.0	0.32	ug/L		06/27/13 17:32	06/28/13 12:11	1
Fluorene	<1.0		1.0	0.38	ug/L		06/27/13 17:32	06/28/13 12:11	1
Hexachlorobenzene	<0.50		0.50	0.14	ug/L		06/27/13 17:32	06/28/13 12:11	1
Hexachlorobutadiene	<5.0		5.0	1.1	ug/L		06/27/13 17:32	06/28/13 12:11	1
Hexachlorocyclopentadiene	<20		20	3.4	ug/L		06/27/13 17:32	06/28/13 12:11	1
Hexachloroethane	<5.0		5.0	0.97	ug/L		06/27/13 17:32	06/28/13 12:11	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	0.084	ug/L		06/27/13 17:32	06/28/13 12:11	1

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

Lab Sample ID: MB 500-191368/1-A
Matrix: Water
Analysis Batch: 191422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191368

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<2.0		2.0	0.29	ug/L		06/27/13 17:32	06/28/13 12:11	1
Naphthalene	<1.0		1.0	0.30	ug/L		06/27/13 17:32	06/28/13 12:11	1
Nitrobenzene	<1.0		1.0	0.45	ug/L		06/27/13 17:32	06/28/13 12:11	1
N-Nitrosodi-n-propylamine	<0.50		0.50	0.14	ug/L		06/27/13 17:32	06/28/13 12:11	1
N-Nitrosodiphenylamine	<1.0		1.0	0.34	ug/L		06/27/13 17:32	06/28/13 12:11	1
Pentachlorophenol	<20		20	5.6	ug/L		06/27/13 17:32	06/28/13 12:11	1
Phenanthrene	<1.0		1.0	0.35	ug/L		06/27/13 17:32	06/28/13 12:11	1
Phenol	<5.0		5.0	0.36	ug/L		06/27/13 17:32	06/28/13 12:11	1
Pyrene	<1.0		1.0	0.48	ug/L		06/27/13 17:32	06/28/13 12:11	1
1,1'-Biphenyl	<5.0		5.0	5.0	ug/L		06/27/13 17:32	06/28/13 12:11	1
Atrazine	<5.0		5.0	2.5	ug/L		06/27/13 17:32	06/28/13 12:11	1
Benzaldehyde	<10		10	5.0	ug/L		06/27/13 17:32	06/28/13 12:11	1
Caprolactam	<10		10	10	ug/L		06/27/13 17:32	06/28/13 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*44*		*20 - 100*	*06/27/13 17:32*	*06/28/13 12:11*	*1*
Phenol-d5 (Surr)	*30*		*20 - 100*	*06/27/13 17:32*	*06/28/13 12:11*	*1*
Nitrobenzene-d5 (Surr)	*66*		*41 - 110*	*06/27/13 17:32*	*06/28/13 12:11*	*1*
2-Fluorobiphenyl	*66*		*48 - 110*	*06/27/13 17:32*	*06/28/13 12:11*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*50 - 129*	*06/27/13 17:32*	*06/28/13 12:11*	*1*
Terphenyl-d14 (Surr)	*88*		*44 - 132*	*06/27/13 17:32*	*06/28/13 12:11*	*1*

Lab Sample ID: LCS 500-191368/2-A
Matrix: Water
Analysis Batch: 191422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2'-oxybis[1-chloropropane]	40.0	25.2		ug/L		63	32 - 110
2,4,5-Trichlorophenol	40.0	31.8		ug/L		79	63 - 110
2,4,6-Trichlorophenol	40.0	30.9		ug/L		77	63 - 110
2,4-Dichlorophenol	40.0	28.6		ug/L		71	58 - 110
2,4-Dimethylphenol	40.0	27.7		ug/L		69	48 - 110
2,4-Dinitrophenol	80.0	66.1		ug/L		83	25 - 148
2,4-Dinitrotoluene	40.0	35.2		ug/L		88	62 - 119
2,6-Dinitrotoluene	40.0	34.3		ug/L		86	63 - 110
2-Chloronaphthalene	40.0	26.6		ug/L		66	48 - 110
2-Chlorophenol	40.0	26.8		ug/L		67	50 - 110
2-Methylnaphthalene	40.0	23.5		ug/L		59	39 - 110
2-Methylphenol	40.0	25.6		ug/L		64	42 - 100
2-Nitroaniline	40.0	31.6		ug/L		79	62 - 121
2-Nitrophenol	40.0	25.1		ug/L		63	56 - 110
3 & 4 Methylphenol	40.0	24.1		ug/L		60	38 - 110
3,3'-Dichlorobenzidine	40.0	38.4		ug/L		96	56 - 111
3-Nitroaniline	40.0	106	*	ug/L		266	55 - 113
4,6-Dinitro-2-methylphenol	80.0	66.8		ug/L		84	58 - 121
4-Bromophenyl phenyl ether	40.0	31.8		ug/L		79	59 - 110
4-Chloro-3-methylphenol	40.0	27.9		ug/L		70	52 - 111
4-Chloroaniline	40.0	46.3	*	ug/L		116	47 - 110

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

Lab Sample ID: LCS 500-191368/2-A
Matrix: Water
Analysis Batch: 191422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorophenyl phenyl ether	40.0	30.0		ug/L		75	59 - 110
4-Nitroaniline	40.0	53.3	*	ug/L		133	52 - 125
4-Nitrophenol	80.0	25.1		ug/L		31	20 - 100
Acenaphthene	40.0	27.3		ug/L		68	53 - 110
Acenaphthylene	40.0	28.3		ug/L		71	56 - 110
Acetophenone	40.0	28.0		ug/L		70	48 - 110
Anthracene	40.0	30.3		ug/L		76	58 - 110
Benzo[a]anthracene	40.0	29.9		ug/L		75	62 - 110
Benzo[a]pyrene	40.0	30.3		ug/L		76	63 - 110
Benzo[b]fluoranthene	40.0	31.9		ug/L		80	60 - 111
Benzo[g,h,i]perylene	40.0	32.9		ug/L		82	56 - 123
Benzo[k]fluoranthene	40.0	29.6		ug/L		74	59 - 116
Bis(2-chloroethoxy)methane	40.0	28.5		ug/L		71	56 - 110
Bis(2-chloroethyl)ether	40.0	21.3		ug/L		53	49 - 110
Bis(2-ethylhexyl) phthalate	40.0	31.5		ug/L		79	62 - 122
Butyl benzyl phthalate	40.0	31.9		ug/L		80	64 - 126
Carbazole	40.0	77.9	*	ug/L		195	62 - 112
Chrysene	40.0	34.1		ug/L		85	62 - 111
Dibenz(a,h)anthracene	40.0	30.5		ug/L		76	59 - 120
Dibenzofuran	40.0	28.7		ug/L		72	56 - 110
Diethyl phthalate	40.0	28.5		ug/L		71	63 - 110
Dimethyl phthalate	40.0	30.4		ug/L		76	65 - 110
Di-n-butyl phthalate	40.0	31.5		ug/L		79	64 - 116
Di-n-octyl phthalate	40.0	31.4		ug/L		78	59 - 131
Fluoranthene	40.0	30.8		ug/L		77	62 - 112
Fluorene	40.0	28.1		ug/L		70	53 - 110
Hexachlorobenzene	40.0	30.9		ug/L		77	60 - 110
Hexachlorobutadiene	40.0	20.2		ug/L		51	28 - 110
Hexachlorocyclopentadiene	40.0	20.5		ug/L		51	15 - 110
Hexachloroethane	40.0	19.8		ug/L		49	29 - 100
Indeno[1,2,3-cd]pyrene	40.0	30.9		ug/L		77	61 - 117
Isophorone	40.0	27.7		ug/L		69	51 - 110
Naphthalene	40.0	24.1		ug/L		60	39 - 110
Nitrobenzene	40.0	27.2		ug/L		68	52 - 110
N-Nitrosodi-n-propylamine	40.0	26.9		ug/L		67	43 - 110
N-Nitrosodiphenylamine	40.0	31.5		ug/L		79	64 - 110
Pentachlorophenol	80.0	56.2		ug/L		70	42 - 127
Phenanthrene	40.0	30.1		ug/L		75	59 - 110
Phenol	40.0	12.8		ug/L		32	20 - 100
Pyrene	40.0	31.6		ug/L		79	58 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*40*		*20 - 100*
Phenol-d5 (Surr)	*29*		*20 - 100*
Nitrobenzene-d5 (Surr)	*69*		*41 - 110*
2-Fluorobiphenyl	*66*		*48 - 110*
2,4,6-Tribromophenol (Surr)	*81*		*50 - 129*
Terphenyl-d14 (Surr)	*78*		*44 - 132*

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

Lab Sample ID: LCSD 500-191368/3-A
Matrix: Water
Analysis Batch: 191422

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191368

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,2'-oxybis[1-chloropropane]	40.0	26.7		ug/L		67	32 - 110	6	20
2,4,5-Trichlorophenol	40.0	32.0		ug/L		80	63 - 110	1	20
2,4,6-Trichlorophenol	40.0	31.6		ug/L		79	63 - 110	2	20
2,4-Dichlorophenol	40.0	29.5		ug/L		74	58 - 110	3	20
2,4-Dimethylphenol	40.0	27.8		ug/L		69	48 - 110	0	20
2,4-Dinitrophenol	80.0	56.2		ug/L		70	25 - 148	16	20
2,4-Dinitrotoluene	40.0	34.0		ug/L		85	62 - 119	3	20
2,6-Dinitrotoluene	40.0	34.4		ug/L		86	63 - 110	0	20
2-Chloronaphthalene	40.0	28.1		ug/L		70	48 - 110	6	20
2-Chlorophenol	40.0	28.4		ug/L		71	50 - 110	6	20
2-Methylnaphthalene	40.0	26.3		ug/L		66	39 - 110	12	20
2-Methylphenol	40.0	27.0		ug/L		67	42 - 100	5	20
2-Nitroaniline	40.0	31.9		ug/L		80	62 - 121	1	20
2-Nitrophenol	40.0	26.1		ug/L		65	56 - 110	4	20
3 & 4 Methylphenol	40.0	25.4		ug/L		64	38 - 110	5	20
3,3'-Dichlorobenzidine	40.0	38.3		ug/L		96	56 - 111	0	20
3-Nitroaniline	40.0	102	*	ug/L		254	55 - 113	4	20
4,6-Dinitro-2-methylphenol	80.0	63.8		ug/L		80	58 - 121	5	20
4-Bromophenyl phenyl ether	40.0	33.4		ug/L		83	59 - 110	5	20
4-Chloro-3-methylphenol	40.0	30.1		ug/L		75	52 - 111	8	20
4-Chloroaniline	40.0	48.2	*	ug/L		121	47 - 110	4	20
4-Chlorophenyl phenyl ether	40.0	30.7		ug/L		77	59 - 110	2	20
4-Nitroaniline	40.0	48.3		ug/L		121	52 - 125	10	20
4-Nitrophenol	80.0	22.1		ug/L		28	20 - 100	13	20
Acenaphthene	40.0	28.7		ug/L		72	53 - 110	5	20
Acenaphthylene	40.0	29.8		ug/L		75	56 - 110	5	20
Acetophenone	40.0	29.1		ug/L		73	48 - 110	4	20
Anthracene	40.0	32.0		ug/L		80	58 - 110	5	20
Benzo[a]anthracene	40.0	30.6		ug/L		76	62 - 110	2	20
Benzo[a]pyrene	40.0	31.1		ug/L		78	63 - 110	2	20
Benzo[b]fluoranthene	40.0	31.5		ug/L		79	60 - 111	1	20
Benzo[g,h,i]perylene	40.0	35.0		ug/L		88	56 - 123	6	20
Benzo[k]fluoranthene	40.0	31.7		ug/L		79	59 - 116	7	20
Bis(2-chloroethoxy)methane	40.0	30.7		ug/L		77	56 - 110	7	20
Bis(2-chloroethyl)ether	40.0	23.7		ug/L		59	49 - 110	11	20
Bis(2-ethylhexyl) phthalate	40.0	31.7		ug/L		79	62 - 122	1	20
Butyl benzyl phthalate	40.0	32.8		ug/L		82	64 - 126	3	20
Carbazole	40.0	80.0	*	ug/L		200	62 - 112	3	20
Chrysene	40.0	35.5		ug/L		89	62 - 111	4	20
Dibenz(a,h)anthracene	40.0	32.2		ug/L		80	59 - 120	5	20
Dibenzofuran	40.0	30.3		ug/L		76	56 - 110	5	20
Diethyl phthalate	40.0	29.7		ug/L		74	63 - 110	4	20
Dimethyl phthalate	40.0	32.6		ug/L		82	65 - 110	7	20
Di-n-butyl phthalate	40.0	33.7		ug/L		84	64 - 116	7	20
Di-n-octyl phthalate	40.0	31.0		ug/L		78	59 - 131	1	20
Fluoranthene	40.0	31.9		ug/L		80	62 - 112	4	20
Fluorene	40.0	29.1		ug/L		73	53 - 110	3	20
Hexachlorobenzene	40.0	33.3		ug/L		83	60 - 110	8	20

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

Lab Sample ID: LCSD 500-191368/3-A
Matrix: Water
Analysis Batch: 191422

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191368

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene			40.0	21.4		ug/L		53	28 - 110	6	20
Hexachlorocyclopentadiene			40.0	19.9	J	ug/L		50	15 - 110	3	20
Hexachloroethane			40.0	20.7		ug/L		52	29 - 100	4	20
Indeno[1,2,3-cd]pyrene			40.0	32.4		ug/L		81	61 - 117	5	20
Isophorone			40.0	30.8		ug/L		77	51 - 110	11	20
Naphthalene			40.0	25.7		ug/L		64	39 - 110	7	20
Nitrobenzene			40.0	27.6		ug/L		69	52 - 110	2	20
N-Nitrosodi-n-propylamine			40.0	28.8		ug/L		72	43 - 110	7	20
N-Nitrosodiphenylamine			40.0	34.2		ug/L		86	64 - 110	8	20
Pentachlorophenol			80.0	57.1		ug/L		71	42 - 127	2	20
Phenanthrene			40.0	32.2		ug/L		80	59 - 110	7	20
Phenol			40.0	13.1		ug/L		33	20 - 100	3	20
Pyrene			40.0	34.6		ug/L		86	58 - 115	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*43*		*20 - 100*
Phenol-d5 (Surr)	*30*		*20 - 100*
Nitrobenzene-d5 (Surr)	*70*		*41 - 110*
2-Fluorobiphenyl	*72*		*48 - 110*
2,4,6-Tribromophenol (Surr)	*76*		*50 - 129*
Terphenyl-d14 (Surr)	*81*		*44 - 132*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-191359/1-A
Matrix: Water
Analysis Batch: 191507

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191359

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.20		0.20	0.042	mg/L		06/27/13 15:00	06/28/13 12:09	1
Antimony	<0.020		0.020	0.0039	mg/L		06/27/13 15:00	06/28/13 12:09	1
Arsenic	<0.010		0.010	0.0026	mg/L		06/27/13 15:00	06/28/13 12:09	1
Barium	<0.010		0.010	0.0011	mg/L		06/27/13 15:00	06/28/13 12:09	1
Beryllium	<0.0040		0.0040	0.00043	mg/L		06/27/13 15:00	06/28/13 12:09	1
Cadmium	0.000311	J	0.0020	0.00026	mg/L		06/27/13 15:00	06/28/13 12:09	1
Calcium	0.111	J	0.20	0.032	mg/L		06/27/13 15:00	06/28/13 12:09	1
Chromium	<0.010		0.010	0.0010	mg/L		06/27/13 15:00	06/28/13 12:09	1
Cobalt	<0.0050		0.0050	0.00045	mg/L		06/27/13 15:00	06/28/13 12:09	1
Copper	<0.010		0.010	0.0019	mg/L		06/27/13 15:00	06/28/13 12:09	1
Iron	0.227		0.20	0.043	mg/L		06/27/13 15:00	06/28/13 12:09	1
Lead	<0.0050		0.0050	0.0023	mg/L		06/27/13 15:00	06/28/13 12:09	1
Magnesium	<0.10		0.10	0.014	mg/L		06/27/13 15:00	06/28/13 12:09	1
Manganese	<0.010		0.010	0.00094	mg/L		06/27/13 15:00	06/28/13 12:09	1
Nickel	<0.010		0.010	0.0012	mg/L		06/27/13 15:00	06/28/13 12:09	1
Potassium	<0.50		0.50	0.063	mg/L		06/27/13 15:00	06/28/13 12:09	1
Selenium	<0.010		0.010	0.0046	mg/L		06/27/13 15:00	06/28/13 12:09	1
Silver	<0.0050		0.0050	0.00057	mg/L		06/27/13 15:00	06/28/13 12:09	1
Sodium	<1.0		1.0	0.14	mg/L		06/27/13 15:00	06/28/13 12:09	1

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

Lab Sample ID: MB 500-191359/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 191507 — **Prep Batch: 191359**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.010		0.010	0.0029	mg/L		06/27/13 15:00	06/28/13 12:09	1
Vanadium	<0.0050		0.0050	0.00056	mg/L		06/27/13 15:00	06/28/13 12:09	1
Zinc	0.00325	J ^	0.020	0.0025	mg/L		06/27/13 15:00	06/28/13 12:09	1

Lab Sample ID: LCS 500-191359/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 191507 — **Prep Batch: 191359**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	1.91		mg/L		95	80 - 120
Antimony	0.500	0.479		mg/L		96	80 - 120
Arsenic	0.100	0.0912		mg/L		91	80 - 120
Barium	2.00	1.94		mg/L		97	80 - 120
Beryllium	0.0500	0.0475		mg/L		95	80 - 120
Cadmium	0.0500	0.0471		mg/L		94	80 - 120
Calcium	10.0	9.98		mg/L		100	80 - 120
Chromium	0.200	0.193		mg/L		96	80 - 120
Cobalt	0.500	0.480		mg/L		96	80 - 120
Copper	0.250	0.242		mg/L		97	80 - 120
Iron	1.00	1.05		mg/L		105	80 - 120
Lead	0.100	0.0985		mg/L		99	80 - 120
Magnesium	10.0	9.68		mg/L		97	80 - 120
Manganese	0.500	0.476		mg/L		95	80 - 120
Nickel	0.500	0.476		mg/L		95	80 - 120
Potassium	10.0	9.91		mg/L		99	80 - 120
Selenium	0.100	0.0912		mg/L		91	80 - 120
Silver	0.0500	0.0468		mg/L		94	80 - 120
Sodium	10.0	9.98		mg/L		100	80 - 120
Thallium	0.100	0.0895		mg/L		90	80 - 120
Vanadium	0.500	0.492		mg/L		98	80 - 120
Zinc	0.500	0.493	^	mg/L		99	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-191319/7-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 191485 — **Prep Batch: 191319**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000064	mg/L		06/27/13 15:00	06/28/13 11:01	1

Lab Sample ID: LCS 500-191319/8-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 191485 — **Prep Batch: 191319**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00201		mg/L		101	80 - 120

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

Method: 9040C - pH

Lab Sample ID: 500-58544-1 DU
Matrix: Water
Analysis Batch: 191435

Client Sample ID: JRF-W03-20130627
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.10	HF		7.110		SU				0.1	

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

Client Sample ID: JRF-W03-20130627

Lab Sample ID: 500-58544-1

Date Collected: 06/27/13 13:35

Matrix: Water

Date Received: 06/27/13 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	191489	06/29/13 00:51	JMP	TAL CHI
Total/NA	Analysis	8260B	DL	5	191570	06/30/13 09:30	JMP	TAL CHI
Total/NA	Prep	3510C			191368	06/27/13 17:32	JP1	TAL CHI
Total/NA	Analysis	8270D		5	191422	06/28/13 13:50	AJD	TAL CHI
Total/NA	Prep	3510C	DL		191368	06/27/13 17:32	JP1	TAL CHI
Total/NA	Analysis	8270D	DL	10	191422	06/28/13 15:30	AJD	TAL CHI
Total/NA	Prep	7470A			191319	06/28/13 08:20	BJB	TAL CHI
Total/NA	Analysis	7470A		1	191485	06/28/13 11:49	BJB	TAL CHI
Total/NA	Prep	3010A			191359	06/27/13 15:00	RLL	TAL CHI
Total/NA	Analysis	6010B		1	191507	06/28/13 13:56	PJ1	TAL CHI
Total/NA	Analysis	9040C		1	191435		APW	TAL CHI
					(Start)	06/27/13 18:36		
					(End)	06/27/13 18:38		

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58544-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	06-30-13 *
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Georgia	State Program	4	939	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	06-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	07-15-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.5

500-58544 COC

(optional)
Report To
Contact:
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-58544

Chain of Custody Number:

Page ____ of ____

Temperature °C of Cooler:

Client: Weston Solutions
Client Project #: 20405.012.001.2196
Project Name: JR Tire Hoopeston, IL
Project Location/State: JR Tire Fire
Lab Project #:
Sampler: Bill Pietroburg
Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC's	SVOC's	Metals (Critical Acid)	pH						Comments
Preservative							NO	NO	NHME	NO						
Parameter																
1		JRF-W03-20130627	6-27-13	1335		WT	X	X	X	X						

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day X 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Bill Pietroburg	Weston Eng.	6-27-13	1600	[illegible]	TA-CHI	6/27/13	1600
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
Wi – Wipe
DW – Drinking Water
O – Other

Client Comments
Results by Monday on July 1, 2013
Results to T.Balla@westonsolutions.com

Lab Comments:

7/11/2013 (1209)

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-58544-1

Login Number: 58544
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	4.0
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-58684-1
Client Project/Site: Hoopeston, IL

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Ms. Tonya Balla

Authorized for release by:
7/3/2013 10:22:50 AM

Richard Wright, Project Manager II
richard.wright@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 500-58684-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-58684-1

Comments
No additional comments.

Receipt
The samples were received on 7/2/2013 6:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: One surrogate recovery failed to meet control limits for the following samples(s).JRF-W04-20130701 (500-58684-1) All surrogate recoveries were greater than 10%. No further action was required.

Method(s) 8270D: The following sample(s) was diluted due to the abundance of non-target analytes: JRF-W04-20130701 (500-58684-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The laboratory control sample duplicate (LCSD) for batch 191832 recovered outside control limits for the following analytes: Dimethyl phthalate, Acenapthene, and 2,4-Dinitrophenol. These analytes were biased high in the LCSD (within limits fin the LCS) and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 191832 recovered outside control limits for the following analytes: Hexachloroethane, 4-Chloroaniline, Hexachlorbutadiene, and 4-Chlorophenyl phenyl ether.JRF-W04-20130701 (500-58684-1)

Method(s) 8270D: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 2 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 191832 had 1 analyte outside control limits: 4-Chloroaniline @ 24% (limits are 40-133%). This is within marginal exceedence; therefore, corrective action was not performed. These results have been reported and qualified. JRF-W04-20130701 (500-58684-1)

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The serial dilution performed for the following sample 500-58684-1 was outside control limits Ba, Ca, Co, K, Mg, Mn, Na, and Zn.

Method(s) 6010B: The matrix duplicate %RPD for sample 500-58684-1 was outside the control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-58684-1 were outside control limits for Fe. The associated laboratory control sample (LCS) recovery met acceptance criteria, therefore the data has been reported.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Client Sample ID: JRF-W04-20130701 — Lab Sample ID: 500-58684-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	63		5.0	1.3	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.4		1.0	0.12	ug/L	1		8260B	Total/NA
Methyl Ethyl Ketone	7.4		5.0	1.5	ug/L	1		8260B	Total/NA
Benzene	1.5		0.50	0.074	ug/L	1		8260B	Total/NA
Trichloroethene	4.1		0.50	0.19	ug/L	1		8260B	Total/NA
methyl isobutyl ketone	18		5.0	0.33	ug/L	1		8260B	Total/NA
Toluene	0.88		0.50	0.11	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.0		1.0	0.17	ug/L	1		8260B	Total/NA
Ethylbenzene	3.8		0.50	0.13	ug/L	1		8260B	Total/NA
Xylenes, Total	11		1.0	0.068	ug/L	1		8260B	Total/NA
Styrene	0.97	J	1.0	0.10	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.81	J	1.0	0.14	ug/L	1		8260B	Total/NA
2-Methylphenol	2.5	J	7.5	1.0	ug/L	5		8270D	Total/NA
Acetophenone	9.9	J	19	2.9	ug/L	5		8270D	Total/NA
Naphthalene	1.1	J	3.7	0.58	ug/L	5		8270D	Total/NA
2-Methylnaphthalene	1.5	J	1.9	0.32	ug/L	5		8270D	Total/NA
Phenanthrene	0.93	J	3.7	0.79	ug/L	5		8270D	Total/NA
Fluoranthene	0.86	J	3.7	0.76	ug/L	5		8270D	Total/NA
Pyrene	1.2	J	3.7	0.85	ug/L	5		8270D	Total/NA
Aluminum	0.36		0.20	0.042	mg/L	1		6010B	Total/NA
Antimony	0.0098	J	0.020	0.0039	mg/L	1		6010B	Total/NA
Arsenic	0.0028	J	0.010	0.0026	mg/L	1		6010B	Total/NA
Barium	0.076	V	0.010	0.0011	mg/L	1		6010B	Total/NA
Cadmium	0.00098	J B	0.0020	0.00026	mg/L	1		6010B	Total/NA
Calcium	78	B V	0.20	0.032	mg/L	1		6010B	Total/NA
Chromium	0.0019	J	0.010	0.0010	mg/L	1		6010B	Total/NA
Cobalt	0.047		0.0050	0.00045	mg/L	1		6010B	Total/NA
Copper	0.032		0.010	0.0019	mg/L	1		6010B	Total/NA
Iron	1.9	B	0.20	0.043	mg/L	1		6010B	Total/NA
Lead	0.0067		0.0050	0.0023	mg/L	1		6010B	Total/NA
Magnesium	26	V	0.10	0.014	mg/L	1		6010B	Total/NA
Manganese	0.34	V	0.010	0.00094	mg/L	1		6010B	Total/NA
Nickel	0.0068	J	0.010	0.0012	mg/L	1		6010B	Total/NA
Potassium	11	V	0.50	0.063	mg/L	1		6010B	Total/NA
Sodium	43	V	1.0	0.14	mg/L	1		6010B	Total/NA
Vanadium	0.0016	J	0.0050	0.00056	mg/L	1		6010B	Total/NA
Zinc	1.2	B V	0.020	0.0025	mg/L	1		6010B	Total/NA
Mercury	0.00095		0.00020	0.000064	mg/L	1		7470A	Total/NA
Sulfide	2.9		1.0	0.13	mg/L	1		9034	Total/NA
pH	7.23		0.200	0.200	SU	1		9040C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-58684-2

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL CHI
9040C	pH	SW846	TAL CHI

Protocol References:

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

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-58684-1	JRF-W04-20130701	Water	07/01/13 17:30	07/02/13 06:30
500-58684-2	Trip Blank	Water	07/01/13 00:00	07/02/13 06:30

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Client Sample ID: JRF-W04-20130701

Lab Sample ID: 500-58684-1

Date Collected: 07/01/13 17:30
Matrix: Water
Date Received: 07/02/13 06:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0	0.20	ug/L			07/02/13 12:23	1
Chloromethane	<1.0		1.0	0.18	ug/L			07/02/13 12:23	1
Vinyl chloride	<0.50		0.50	0.10	ug/L			07/02/13 12:23	1
Bromomethane	<1.0		1.0	0.31	ug/L			07/02/13 12:23	1
Chloroethane	<1.0		1.0	0.34	ug/L			07/02/13 12:23	1
Trichlorofluoromethane	<1.0		1.0	0.19	ug/L			07/02/13 12:23	1
1,1-Dichloroethene	<1.0		1.0	0.31	ug/L			07/02/13 12:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0	0.22	ug/L			07/02/13 12:23	1
Acetone	**63**		5.0	1.3	ug/L			07/02/13 12:23	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			07/02/13 12:23	1
Methyl acetate	<2.0		2.0	0.53	ug/L			07/02/13 12:23	1
Methylene Chloride	<5.0		5.0	0.68	ug/L			07/02/13 12:23	1
trans-1,2-Dichloroethene	<1.0		1.0	0.25	ug/L			07/02/13 12:23	1
Methyl tert-butyl ether	<1.0		1.0	0.24	ug/L			07/02/13 12:23	1
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			07/02/13 12:23	1
cis-1,2-Dichloroethene	**1.4**		1.0	0.12	ug/L			07/02/13 12:23	1
Methyl Ethyl Ketone	**7.4**		5.0	1.5	ug/L			07/02/13 12:23	1
Chloroform	<1.0		1.0	0.20	ug/L			07/02/13 12:23	1
1,1,1-Trichloroethane	<1.0		1.0	0.20	ug/L			07/02/13 12:23	1
Cyclohexane	<1.0		1.0	0.23	ug/L			07/02/13 12:23	1
Carbon tetrachloride	<1.0		1.0	0.26	ug/L			07/02/13 12:23	1
Benzene	**1.5**		0.50	0.074	ug/L			07/02/13 12:23	1
1,2-Dichloroethane	<1.0		1.0	0.28	ug/L			07/02/13 12:23	1
Trichloroethene	**4.1**		0.50	0.19	ug/L			07/02/13 12:23	1
Methylcyclohexane	<1.0		1.0	0.14	ug/L			07/02/13 12:23	1
1,2-Dichloropropane	<1.0		1.0	0.20	ug/L			07/02/13 12:23	1
Bromodichloromethane	<1.0		1.0	0.17	ug/L			07/02/13 12:23	1
cis-1,3-Dichloropropene	<1.0		1.0	0.18	ug/L			07/02/13 12:23	1
methyl isobutyl ketone	**18**		5.0	0.33	ug/L			07/02/13 12:23	1
Toluene	**0.88**		0.50	0.11	ug/L			07/02/13 12:23	1
trans-1,3-Dichloropropene	<1.0		1.0	0.21	ug/L			07/02/13 12:23	1
1,1,2-Trichloroethane	<1.0		1.0	0.28	ug/L			07/02/13 12:23	1
Tetrachloroethene	**1.0**		1.0	0.17	ug/L			07/02/13 12:23	1
2-Hexanone	<5.0		5.0	0.56	ug/L			07/02/13 12:23	1
Dibromochloromethane	<1.0		1.0	0.32	ug/L			07/02/13 12:23	1
1,2-Dibromoethane	<1.0		1.0	0.36	ug/L			07/02/13 12:23	1
Chlorobenzene	<1.0		1.0	0.14	ug/L			07/02/13 12:23	1
Ethylbenzene	**3.8**		0.50	0.13	ug/L			07/02/13 12:23	1
Xylenes, Total	**11**		1.0	0.068	ug/L			07/02/13 12:23	1
Styrene	**0.97**	J	1.0	0.10	ug/L			07/02/13 12:23	1
Bromoform	<1.0		1.0	0.28	ug/L			07/02/13 12:23	1
Isopropylbenzene	**0.81**	J	1.0	0.14	ug/L			07/02/13 12:23	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.23	ug/L			07/02/13 12:23	1
1,3-Dichlorobenzene	<1.0		1.0	0.15	ug/L			07/02/13 12:23	1
1,4-Dichlorobenzene	<1.0		1.0	0.15	ug/L			07/02/13 12:23	1
1,2-Dichlorobenzene	<1.0		1.0	0.27	ug/L			07/02/13 12:23	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	0.87	ug/L			07/02/13 12:23	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.31	ug/L			07/02/13 12:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Client Sample ID: JRF-W04-20130701

Lab Sample ID: 500-58684-1

Date Collected: 07/01/13 17:30

Matrix: Water

Date Received: 07/02/13 06:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 125		07/02/13 12:23	1
Toluene-d8 (Surr)	89		75 - 120		07/02/13 12:23	1
4-Bromofluorobenzene (Surr)	86		75 - 120		07/02/13 12:23	1
Dibromofluoromethane	103		75 - 120		07/02/13 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	<37	*	37	19	ug/L		07/02/13 11:52	07/03/13 08:42	5
Phenol	<19		19	2.4	ug/L		07/02/13 11:52	07/03/13 08:42	5
Bis(2-chloroethyl)ether	<7.5		7.5	0.80	ug/L		07/02/13 11:52	07/03/13 08:42	5
2-Chlorophenol	<19		19	2.4	ug/L		07/02/13 11:52	07/03/13 08:42	5
2-Methylphenol	**2.5**	**J**	7.5	1.0	ug/L		07/02/13 11:52	07/03/13 08:42	5
2,2'-oxybis[1-chloropropane]	<7.5		7.5	0.69	ug/L		07/02/13 11:52	07/03/13 08:42	5
Acetophenone	**9.9**	**J**	19	2.9	ug/L		07/02/13 11:52	07/03/13 08:42	5
N-Nitrosodi-n-propylamine	<1.9		1.9	0.90	ug/L		07/02/13 11:52	07/03/13 08:42	5
Hexachloroethane	<19	*	19	2.1	ug/L		07/02/13 11:52	07/03/13 08:42	5
Nitrobenzene	<3.7		3.7	0.79	ug/L		07/02/13 11:52	07/03/13 08:42	5
Isophorone	<7.5		7.5	0.67	ug/L		07/02/13 11:52	07/03/13 08:42	5
2-Nitrophenol	<37		37	5.4	ug/L		07/02/13 11:52	07/03/13 08:42	5
2,4-Dimethylphenol	<37		37	7.1	ug/L		07/02/13 11:52	07/03/13 08:42	5
Bis(2-chloroethoxy)methane	<7.5		7.5	0.81	ug/L		07/02/13 11:52	07/03/13 08:42	5
2,4-Dichlorophenol	<37		37	4.5	ug/L		07/02/13 11:52	07/03/13 08:42	5
Naphthalene	**1.1**	**J**	3.7	0.58	ug/L		07/02/13 11:52	07/03/13 08:42	5
4-Chloroaniline	<37	*	37	8.2	ug/L		07/02/13 11:52	07/03/13 08:42	5
Hexachlorobutadiene	<19	*	19	2.8	ug/L		07/02/13 11:52	07/03/13 08:42	5
Caprolactam	<37		37	19	ug/L		07/02/13 11:52	07/03/13 08:42	5
4-Chloro-3-methylphenol	<37		37	5.2	ug/L		07/02/13 11:52	07/03/13 08:42	5
2-Methylnaphthalene	**1.5**	**J**	1.9	0.32	ug/L		07/02/13 11:52	07/03/13 08:42	5
Hexachlorocyclopentadiene	<75		75	7.1	ug/L		07/02/13 11:52	07/03/13 08:42	5
2,4,6-Trichlorophenol	<19		19	2.5	ug/L		07/02/13 11:52	07/03/13 08:42	5
2,4,5-Trichlorophenol	<37		37	6.7	ug/L		07/02/13 11:52	07/03/13 08:42	5
1,1'-Biphenyl	<19		19	9.4	ug/L		07/02/13 11:52	07/03/13 08:42	5
2-Chloronaphthalene	<7.5		7.5	0.60	ug/L		07/02/13 11:52	07/03/13 08:42	5
2-Nitroaniline	<19		19	4.3	ug/L		07/02/13 11:52	07/03/13 08:42	5
Dimethyl phthalate	<7.5	*	7.5	0.63	ug/L		07/02/13 11:52	07/03/13 08:42	5
2,6-Dinitrotoluene	<1.9		1.9	0.37	ug/L		07/02/13 11:52	07/03/13 08:42	5
Acenaphthylene	<3.7		3.7	0.51	ug/L		07/02/13 11:52	07/03/13 08:42	5
3-Nitroaniline	<37		37	4.3	ug/L		07/02/13 11:52	07/03/13 08:42	5
Acenaphthene	<3.7	*	3.7	0.46	ug/L		07/02/13 11:52	07/03/13 08:42	5
2,4-Dinitrophenol	<75	*	75	3.9	ug/L		07/02/13 11:52	07/03/13 08:42	5
4-Nitrophenol	<75		75	8.6	ug/L		07/02/13 11:52	07/03/13 08:42	5
Dibenzofuran	<7.5		7.5	0.64	ug/L		07/02/13 11:52	07/03/13 08:42	5
2,4-Dinitrotoluene	<3.7		3.7	0.77	ug/L		07/02/13 11:52	07/03/13 08:42	5
Diethyl phthalate	<7.5		7.5	0.65	ug/L		07/02/13 11:52	07/03/13 08:42	5
Fluorene	<3.7		3.7	0.63	ug/L		07/02/13 11:52	07/03/13 08:42	5
4-Chlorophenyl phenyl ether	<19		19	2.6	ug/L		07/02/13 11:52	07/03/13 08:42	5
4-Nitroaniline	<37	*	37	9.8	ug/L		07/02/13 11:52	07/03/13 08:42	5
4,6-Dinitro-2-methylphenol	<75		75	6.6	ug/L		07/02/13 11:52	07/03/13 08:42	5
N-Nitrosodiphenylamine	<3.7		3.7	0.69	ug/L		07/02/13 11:52	07/03/13 08:42	5
4-Bromophenyl phenyl ether	<19		19	2.0	ug/L		07/02/13 11:52	07/03/13 08:42	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Client Sample ID: JRF-W04-20130701
Date Collected: 07/01/13 17:30
Date Received: 07/02/13 06:30

Lab Sample ID: 500-58684-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	<1.9		1.9	0.39	ug/L		07/02/13 11:52	07/03/13 08:42	5
Atrazine	<19		19	9.4	ug/L		07/02/13 11:52	07/03/13 08:42	5
Pentachlorophenol	<75		75	6.7	ug/L		07/02/13 11:52	07/03/13 08:42	5
Phenanthrene	**0.93**	**J**	3.7	0.79	ug/L		07/02/13 11:52	07/03/13 08:42	5
Anthracene	<3.7		3.7	0.69	ug/L		07/02/13 11:52	07/03/13 08:42	5
Carbazole	<19		19	2.4	ug/L		07/02/13 11:52	07/03/13 08:42	5
Di-n-butyl phthalate	<19		19	3.1	ug/L		07/02/13 11:52	07/03/13 08:42	5
Fluoranthene	**0.86**	**J**	3.7	0.76	ug/L		07/02/13 11:52	07/03/13 08:42	5
Pyrene	**1.2**	**J**	3.7	0.85	ug/L		07/02/13 11:52	07/03/13 08:42	5
Butyl benzyl phthalate	<7.5		7.5	1.0	ug/L		07/02/13 11:52	07/03/13 08:42	5
3,3'-Dichlorobenzidine	<19		19	2.5	ug/L		07/02/13 11:52	07/03/13 08:42	5
Benzo[a]anthracene	<0.75		0.75	0.24	ug/L		07/02/13 11:52	07/03/13 08:42	5
Chrysene	<1.9		1.9	0.35	ug/L		07/02/13 11:52	07/03/13 08:42	5
Bis(2-ethylhexyl) phthalate	<37		37	8.5	ug/L		07/02/13 11:52	07/03/13 08:42	5
Di-n-octyl phthalate	<37		37	6.1	ug/L		07/02/13 11:52	07/03/13 08:42	5
Benzo[b]fluoranthene	<0.75		0.75	0.31	ug/L		07/02/13 11:52	07/03/13 08:42	5
Benzo[k]fluoranthene	<0.75		0.75	0.63	ug/L		07/02/13 11:52	07/03/13 08:42	5
Benzo[a]pyrene	<0.75		0.75	0.28	ug/L		07/02/13 11:52	07/03/13 08:42	5
Indeno[1,2,3-cd]pyrene	<0.75		0.75	0.29	ug/L		07/02/13 11:52	07/03/13 08:42	5
Dibenz(a,h)anthracene	<1.1		1.1	0.43	ug/L		07/02/13 11:52	07/03/13 08:42	5
Benzo[g,h,i]perylene	<3.7		3.7	1.8	ug/L		07/02/13 11:52	07/03/13 08:42	5
3 & 4 Methylphenol	<7.5		7.5	0.88	ug/L		07/02/13 11:52	07/03/13 08:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*43*		*32 - 110*	*07/02/13 11:52*	*07/03/13 08:42*	*5*
Phenol-d5 (Surr)	*32*		*25 - 100*	*07/02/13 11:52*	*07/03/13 08:42*	*5*
Nitrobenzene-d5 (Surr)	*58*		*47 - 134*	*07/02/13 11:52*	*07/03/13 08:42*	*5*
2-Fluorobiphenyl	*55*		*41 - 132*	*07/02/13 11:52*	*07/03/13 08:42*	*5*
2,4,6-Tribromophenol (Surr)	*80*		*53 - 150*	*07/02/13 11:52*	*07/03/13 08:42*	*5*
Terphenyl-d14 (Surr)	*51*	*X*	*59 - 150*	*07/02/13 11:52*	*07/03/13 08:42*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.36**		0.20	0.042	mg/L		07/02/13 07:20	07/02/13 16:36	1
Antimony	**0.0098**	**J**	0.020	0.0039	mg/L		07/02/13 07:20	07/02/13 16:36	1
Arsenic	**0.0028**	**J**	0.010	0.0026	mg/L		07/02/13 07:20	07/02/13 16:36	1
Barium	**0.076**	**V**	0.010	0.0011	mg/L		07/02/13 07:20	07/02/13 16:36	1
Beryllium	<0.0040		0.0040	0.00043	mg/L		07/02/13 07:20	07/02/13 16:36	1
Cadmium	**0.00098**	**J B**	0.0020	0.00026	mg/L		07/02/13 07:20	07/02/13 16:36	1
Calcium	**78**	**B V**	0.20	0.032	mg/L		07/02/13 07:20	07/02/13 16:36	1
Chromium	**0.0019**	**J**	0.010	0.0010	mg/L		07/02/13 07:20	07/02/13 16:36	1
Cobalt	**0.047**		0.0050	0.00045	mg/L		07/02/13 07:20	07/02/13 16:36	1
Copper	**0.032**		0.010	0.0019	mg/L		07/02/13 07:20	07/02/13 16:36	1
Iron	**1.9**	**B**	0.20	0.043	mg/L		07/02/13 07:20	07/02/13 16:36	1
Lead	**0.0067**		0.0050	0.0023	mg/L		07/02/13 07:20	07/02/13 16:36	1
Magnesium	**26**	**V**	0.10	0.014	mg/L		07/02/13 07:20	07/02/13 16:36	1
Manganese	**0.34**	**V**	0.010	0.00094	mg/L		07/02/13 07:20	07/02/13 16:36	1
Nickel	**0.0068**	**J**	0.010	0.0012	mg/L		07/02/13 07:20	07/02/13 16:36	1
Potassium	**11**	**V**	0.50	0.063	mg/L		07/02/13 07:20	07/02/13 16:36	1
Selenium	<0.010		0.010	0.0046	mg/L		07/02/13 07:20	07/02/13 16:36	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Client Sample ID: JRF-W04-20130701
Date Collected: 07/01/13 17:30
Date Received: 07/02/13 06:30

Lab Sample ID: 500-58684-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.0050		0.0050	0.00057	mg/L		07/02/13 07:20	07/02/13 16:36	1
Sodium	43	V	1.0	0.14	mg/L		07/02/13 07:20	07/02/13 16:36	1
Thallium	<0.010		0.010	0.0029	mg/L		07/02/13 07:20	07/02/13 16:36	1
Vanadium	0.0016	J	0.0050	0.00056	mg/L		07/02/13 07:20	07/02/13 16:36	1
Zinc	1.2	B V	0.020	0.0025	mg/L		07/02/13 07:20	07/02/13 16:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00095		0.00020	0.000064	mg/L		07/02/13 08:30	07/02/13 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	2.9		1.0	0.13	mg/L		07/02/13 05:04	07/02/13 03:09	1
pH	7.23		0.200	0.200	SU			07/02/13 15:54	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-58684-2

Date Collected: 07/01/13 00:00

Matrix: Water

Date Received: 07/02/13 06:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0	0.20	ug/L			07/02/13 11:57	1
Chloromethane	<1.0		1.0	0.18	ug/L			07/02/13 11:57	1
Vinyl chloride	<0.50		0.50	0.10	ug/L			07/02/13 11:57	1
Bromomethane	<1.0		1.0	0.31	ug/L			07/02/13 11:57	1
Chloroethane	<1.0		1.0	0.34	ug/L			07/02/13 11:57	1
Trichlorofluoromethane	<1.0		1.0	0.19	ug/L			07/02/13 11:57	1
1,1-Dichloroethene	<1.0		1.0	0.31	ug/L			07/02/13 11:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0	0.22	ug/L			07/02/13 11:57	1
Acetone	<5.0		5.0	1.3	ug/L			07/02/13 11:57	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			07/02/13 11:57	1
Methyl acetate	<2.0		2.0	0.53	ug/L			07/02/13 11:57	1
Methylene Chloride	<5.0		5.0	0.68	ug/L			07/02/13 11:57	1
trans-1,2-Dichloroethene	<1.0		1.0	0.25	ug/L			07/02/13 11:57	1
Methyl tert-butyl ether	<1.0		1.0	0.24	ug/L			07/02/13 11:57	1
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			07/02/13 11:57	1
cis-1,2-Dichloroethene	<1.0		1.0	0.12	ug/L			07/02/13 11:57	1
Methyl Ethyl Ketone	<5.0		5.0	1.5	ug/L			07/02/13 11:57	1
Chloroform	<1.0		1.0	0.20	ug/L			07/02/13 11:57	1
1,1,1-Trichloroethane	<1.0		1.0	0.20	ug/L			07/02/13 11:57	1
Cyclohexane	<1.0		1.0	0.23	ug/L			07/02/13 11:57	1
Carbon tetrachloride	<1.0		1.0	0.26	ug/L			07/02/13 11:57	1
Benzene	<0.50		0.50	0.074	ug/L			07/02/13 11:57	1
1,2-Dichloroethane	<1.0		1.0	0.28	ug/L			07/02/13 11:57	1
Trichloroethene	<0.50		0.50	0.19	ug/L			07/02/13 11:57	1
Methylcyclohexane	<1.0		1.0	0.14	ug/L			07/02/13 11:57	1
1,2-Dichloropropane	<1.0		1.0	0.20	ug/L			07/02/13 11:57	1
Bromodichloromethane	<1.0		1.0	0.17	ug/L			07/02/13 11:57	1
cis-1,3-Dichloropropene	<1.0		1.0	0.18	ug/L			07/02/13 11:57	1
methyl isobutyl ketone	<5.0		5.0	0.33	ug/L			07/02/13 11:57	1
Toluene	<0.50		0.50	0.11	ug/L			07/02/13 11:57	1
trans-1,3-Dichloropropene	<1.0		1.0	0.21	ug/L			07/02/13 11:57	1
1,1,2-Trichloroethane	<1.0		1.0	0.28	ug/L			07/02/13 11:57	1
Tetrachloroethene	<1.0		1.0	0.17	ug/L			07/02/13 11:57	1
2-Hexanone	<5.0		5.0	0.56	ug/L			07/02/13 11:57	1
Dibromochloromethane	<1.0		1.0	0.32	ug/L			07/02/13 11:57	1
1,2-Dibromoethane	<1.0		1.0	0.36	ug/L			07/02/13 11:57	1
Chlorobenzene	<1.0		1.0	0.14	ug/L			07/02/13 11:57	1
Ethylbenzene	<0.50		0.50	0.13	ug/L			07/02/13 11:57	1
Xylenes, Total	<1.0		1.0	0.068	ug/L			07/02/13 11:57	1
Styrene	<1.0		1.0	0.10	ug/L			07/02/13 11:57	1
Bromoform	<1.0		1.0	0.28	ug/L			07/02/13 11:57	1
Isopropylbenzene	<1.0		1.0	0.14	ug/L			07/02/13 11:57	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.23	ug/L			07/02/13 11:57	1
1,3-Dichlorobenzene	<1.0		1.0	0.15	ug/L			07/02/13 11:57	1
1,4-Dichlorobenzene	<1.0		1.0	0.15	ug/L			07/02/13 11:57	1
1,2-Dichlorobenzene	<1.0		1.0	0.27	ug/L			07/02/13 11:57	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	0.87	ug/L			07/02/13 11:57	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.31	ug/L			07/02/13 11:57	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-58684-2

Date Collected: 07/01/13 00:00

Matrix: Water

Date Received: 07/02/13 06:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 125		07/02/13 11:57	1
Toluene-d8 (Surr)	91		75 - 120		07/02/13 11:57	1
4-Bromofluorobenzene (Surr)	87		75 - 120		07/02/13 11:57	1
Dibromofluoromethane	102		75 - 120		07/02/13 11:57	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	RPD of the LCS and LCSD exceeds the control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
V	Serial Dilution exceeds the control limits
B	Compound was found in the blank and sample.
F	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

GC/MS VOA

Analysis Batch: 191768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58684-1	JRF-W04-20130701	Total/NA	Water	8260B	
500-58684-2	Trip Blank	Total/NA	Water	8260B	
LCS 500-191768/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-191768/7	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 191832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58684-1	JRF-W04-20130701	Total/NA	Water	3510C	
LCS 500-191832/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-191832/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 500-191832/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 191933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58684-1	JRF-W04-20130701	Total/NA	Water	8270D	191832
LCS 500-191832/2-A	Lab Control Sample	Total/NA	Water	8270D	191832
LCSD 500-191832/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	191832
MB 500-191832/1-A	Method Blank	Total/NA	Water	8270D	191832

Metals

Prep Batch: 191691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58684-1	JRF-W04-20130701	Total/NA	Water	7470A	
LCS 500-191691/8-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-191691/7-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 191776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58684-1	JRF-W04-20130701	Total/NA	Water	3010A	
500-58684-1 DU	JRF-W04-20130701	Total/NA	Water	3010A	
500-58684-1 MS	JRF-W04-20130701	Total/NA	Water	3010A	
500-58684-1 MSD	JRF-W04-20130701	Total/NA	Water	3010A	
LCS 500-191776/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 500-191776/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 191827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58684-1	JRF-W04-20130701	Total/NA	Water	7470A	191691
LCS 500-191691/8-A	Lab Control Sample	Total/NA	Water	7470A	191691
MB 500-191691/7-A	Method Blank	Total/NA	Water	7470A	191691

Analysis Batch: 191942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58684-1	JRF-W04-20130701	Total/NA	Water	6010B	191776
500-58684-1 DU	JRF-W04-20130701	Total/NA	Water	6010B	191776
500-58684-1 MS	JRF-W04-20130701	Total/NA	Water	6010B	191776
500-58684-1 MSD	JRF-W04-20130701	Total/NA	Water	6010B	191776

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Metals (Continued)

Analysis Batch: 191942 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-191776/2-A	Lab Control Sample	Total/NA	Water	6010B	191776
MB 500-191776/1-A	Method Blank	Total/NA	Water	6010B	191776

General Chemistry

Prep Batch: 191765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58684-1	JRF-W04-20130701	Total/NA	Water	9030B	

Analysis Batch: 191766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58684-1	JRF-W04-20130701	Total/NA	Water	9034	191765
LCS 500-191766/2	Lab Control Sample	Total/NA	Water	9034	
MB 500-191766/1	Method Blank	Total/NA	Water	9034	

Analysis Batch: 191971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58684-1	JRF-W04-20130701	Total/NA	Water	9040C	

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-125)	(75-120)	(75-120)	(75-120)
500-58684-1	JRF-W04-20130701	100	89	86	103
500-58684-2	Trip Blank	100	91	87	102
LCS 500-191768/4	Lab Control Sample	99	92	87	101
MB 500-191768/7	Method Blank	99	89	87	101

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		2FP	PHL	NBZ	FBP	TBP	TPH
Lab Sample ID	Client Sample ID	(32-110)	(25-100)	(47-134)	(41-132)	(53-150)	(59-150)
500-58684-1	JRF-W04-20130701	43	32	58	55	80	51 X
LCS 500-191832/2-A	Lab Control Sample	78	75	92	90	108	108
LCSD 500-191832/3-A	Lab Control Sample Dup	77	68	100	99	116	114
MB 500-191832/1-A	Method Blank	77	70	83	95	100	112

Surrogate Legend

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

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-191768/7
Matrix: Water
Analysis Batch: 191768

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0	0.20	ug/L			07/02/13 10:10	1
Chloromethane	<1.0		1.0	0.18	ug/L			07/02/13 10:10	1
Vinyl chloride	<0.50		0.50	0.10	ug/L			07/02/13 10:10	1
Bromomethane	<1.0		1.0	0.31	ug/L			07/02/13 10:10	1
Chloroethane	<1.0		1.0	0.34	ug/L			07/02/13 10:10	1
Trichlorofluoromethane	<1.0		1.0	0.19	ug/L			07/02/13 10:10	1
1,1-Dichloroethene	<1.0		1.0	0.31	ug/L			07/02/13 10:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0	0.22	ug/L			07/02/13 10:10	1
Acetone	<5.0		5.0	1.3	ug/L			07/02/13 10:10	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			07/02/13 10:10	1
Methyl acetate	<2.0		2.0	0.53	ug/L			07/02/13 10:10	1
Methylene Chloride	<5.0		5.0	0.68	ug/L			07/02/13 10:10	1
trans-1,2-Dichloroethene	<1.0		1.0	0.25	ug/L			07/02/13 10:10	1
Methyl tert-butyl ether	<1.0		1.0	0.24	ug/L			07/02/13 10:10	1
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			07/02/13 10:10	1
cis-1,2-Dichloroethene	<1.0		1.0	0.12	ug/L			07/02/13 10:10	1
Methyl Ethyl Ketone	<5.0		5.0	1.5	ug/L			07/02/13 10:10	1
Chloroform	<1.0		1.0	0.20	ug/L			07/02/13 10:10	1
1,1,1-Trichloroethane	<1.0		1.0	0.20	ug/L			07/02/13 10:10	1
Cyclohexane	<1.0		1.0	0.23	ug/L			07/02/13 10:10	1
Carbon tetrachloride	<1.0		1.0	0.26	ug/L			07/02/13 10:10	1
Benzene	<0.50		0.50	0.074	ug/L			07/02/13 10:10	1
1,2-Dichloroethane	<1.0		1.0	0.28	ug/L			07/02/13 10:10	1
Trichloroethene	<0.50		0.50	0.19	ug/L			07/02/13 10:10	1
Methylcyclohexane	<1.0		1.0	0.14	ug/L			07/02/13 10:10	1
1,2-Dichloropropane	<1.0		1.0	0.20	ug/L			07/02/13 10:10	1
Bromodichloromethane	<1.0		1.0	0.17	ug/L			07/02/13 10:10	1
cis-1,3-Dichloropropene	<1.0		1.0	0.18	ug/L			07/02/13 10:10	1
methyl isobutyl ketone	<5.0		5.0	0.33	ug/L			07/02/13 10:10	1
Toluene	<0.50		0.50	0.11	ug/L			07/02/13 10:10	1
trans-1,3-Dichloropropene	<1.0		1.0	0.21	ug/L			07/02/13 10:10	1
1,1,2-Trichloroethane	<1.0		1.0	0.28	ug/L			07/02/13 10:10	1
Tetrachloroethene	<1.0		1.0	0.17	ug/L			07/02/13 10:10	1
2-Hexanone	<5.0		5.0	0.56	ug/L			07/02/13 10:10	1
Dibromochloromethane	<1.0		1.0	0.32	ug/L			07/02/13 10:10	1
1,2-Dibromoethane	<1.0		1.0	0.36	ug/L			07/02/13 10:10	1
Chlorobenzene	<1.0		1.0	0.14	ug/L			07/02/13 10:10	1
Ethylbenzene	<0.50		0.50	0.13	ug/L			07/02/13 10:10	1
Xylenes, Total	<1.0		1.0	0.068	ug/L			07/02/13 10:10	1
Styrene	<1.0		1.0	0.10	ug/L			07/02/13 10:10	1
Bromoform	<1.0		1.0	0.28	ug/L			07/02/13 10:10	1
Isopropylbenzene	<1.0		1.0	0.14	ug/L			07/02/13 10:10	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.23	ug/L			07/02/13 10:10	1
1,3-Dichlorobenzene	<1.0		1.0	0.15	ug/L			07/02/13 10:10	1
1,4-Dichlorobenzene	<1.0		1.0	0.15	ug/L			07/02/13 10:10	1
1,2-Dichlorobenzene	<1.0		1.0	0.27	ug/L			07/02/13 10:10	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	0.87	ug/L			07/02/13 10:10	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.31	ug/L			07/02/13 10:10	1

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

Lab Sample ID: MB 500-191768/7
Matrix: Water
Analysis Batch: 191768

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		75 - 125		07/02/13 10:10	1
Toluene-d8 (Surr)	89		75 - 120		07/02/13 10:10	1
4-Bromofluorobenzene (Surr)	87		75 - 120		07/02/13 10:10	1
Dibromofluoromethane	101		75 - 120		07/02/13 10:10	1

Lab Sample ID: LCS 500-191768/4
Matrix: Water
Analysis Batch: 191768

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	40.2		ug/L		80	40 - 140
Chloromethane	50.0	37.6		ug/L		75	50 - 134
Vinyl chloride	50.0	45.6		ug/L		91	62 - 138
Bromomethane	50.0	45.0		ug/L		90	50 - 150
Chloroethane	50.0	35.7		ug/L		71	50 - 150
Trichlorofluoromethane	50.0	46.8		ug/L		94	63 - 134
1,1-Dichloroethene	50.0	42.4		ug/L		85	58 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.8		ug/L		88	46 - 120
Acetone	50.0	43.0		ug/L		86	46 - 153
Carbon disulfide	50.0	40.3		ug/L		81	50 - 120
Methylene Chloride	50.0	43.8		ug/L		88	65 - 125
trans-1,2-Dichloroethene	50.0	45.3		ug/L		91	70 - 124
Methyl tert-butyl ether	50.0	43.6		ug/L		87	58 - 122
1,1-Dichloroethane	50.0	41.0		ug/L		82	68 - 121
cis-1,2-Dichloroethene	50.0	46.7		ug/L		93	70 - 120
Methyl Ethyl Ketone	50.0	44.5		ug/L		89	54 - 138
Chloroform	50.0	46.0		ug/L		92	70 - 120
1,1,1-Trichloroethane	50.0	43.9		ug/L		88	70 - 123
Carbon tetrachloride	50.0	46.1		ug/L		92	70 - 125
Benzene	50.0	43.7		ug/L		87	70 - 120
1,2-Dichloroethane	50.0	44.9		ug/L		90	69 - 120
Trichloroethene	50.0	48.6		ug/L		97	70 - 120
1,2-Dichloropropane	50.0	42.4		ug/L		85	70 - 120
Bromodichloromethane	50.0	42.8		ug/L		86	70 - 120
cis-1,3-Dichloropropene	50.0	44.4		ug/L		89	70 - 120
methyl isobutyl ketone	50.0	42.2		ug/L		84	59 - 135
Toluene	50.0	43.4		ug/L		87	70 - 120
trans-1,3-Dichloropropene	50.0	43.4		ug/L		87	70 - 120
1,1,2-Trichloroethane	50.0	44.9		ug/L		90	69 - 120
Tetrachloroethene	50.0	45.8		ug/L		92	70 - 123
2-Hexanone	50.0	42.9		ug/L		86	55 - 144
Dibromochloromethane	50.0	46.3		ug/L		93	70 - 120
1,2-Dibromoethane	50.0	46.5		ug/L		93	70 - 120
Chlorobenzene	50.0	45.2		ug/L		90	70 - 120
Ethylbenzene	50.0	44.2		ug/L		88	75 - 120
Xylenes, Total	100	87.6		ug/L		88	70 - 120
Styrene	50.0	47.3		ug/L		95	75 - 120

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

Lab Sample ID: LCS 500-191768/4
Matrix: Water
Analysis Batch: 191768

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	50.0	46.1		ug/L		92	70 - 125
Isopropylbenzene	50.0	42.5		ug/L		85	70 - 120
1,1,2,2-Tetrachloroethane	50.0	44.1		ug/L		88	70 - 128
1,3-Dichlorobenzene	50.0	46.8		ug/L		94	70 - 120
1,4-Dichlorobenzene	50.0	46.1		ug/L		92	75 - 120
1,2-Dichlorobenzene	50.0	47.4		ug/L		95	75 - 120
1,2-Dibromo-3-Chloropropane	50.0	42.1		ug/L		84	60 - 121
1,2,4-Trichlorobenzene	50.0	48.7		ug/L		97	65 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 125*
Toluene-d8 (Surr)	*92*		*75 - 120*
4-Bromofluorobenzene (Surr)	*87*		*75 - 120*
Dibromofluoromethane	*101*		*75 - 120*

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

Lab Sample ID: MB 500-191832/1-A
Matrix: Water
Analysis Batch: 191933

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191832

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	<8.0		8.0	4.0	ug/L		07/02/13 11:52	07/03/13 07:04	1
Phenol	<4.0		4.0	0.51	ug/L		07/02/13 11:52	07/03/13 07:04	1
Bis(2-chloroethyl)ether	<1.6		1.6	0.17	ug/L		07/02/13 11:52	07/03/13 07:04	1
2-Chlorophenol	<4.0		4.0	0.51	ug/L		07/02/13 11:52	07/03/13 07:04	1
2-Methylphenol	<1.6		1.6	0.22	ug/L		07/02/13 11:52	07/03/13 07:04	1
2,2'-oxybis[1-chloropropane]	<1.6		1.6	0.15	ug/L		07/02/13 11:52	07/03/13 07:04	1
Acetophenone	<4.0		4.0	0.63	ug/L		07/02/13 11:52	07/03/13 07:04	1
N-Nitrosodi-n-propylamine	<0.40		0.40	0.19	ug/L		07/02/13 11:52	07/03/13 07:04	1
Hexachloroethane	<4.0		4.0	0.45	ug/L		07/02/13 11:52	07/03/13 07:04	1
Nitrobenzene	<0.80		0.80	0.17	ug/L		07/02/13 11:52	07/03/13 07:04	1
Isophorone	<1.6		1.6	0.14	ug/L		07/02/13 11:52	07/03/13 07:04	1
2-Nitrophenol	<8.0		8.0	1.2	ug/L		07/02/13 11:52	07/03/13 07:04	1
2,4-Dimethylphenol	<8.0		8.0	1.5	ug/L		07/02/13 11:52	07/03/13 07:04	1
Bis(2-chloroethoxy)methane	<1.6		1.6	0.17	ug/L		07/02/13 11:52	07/03/13 07:04	1
2,4-Dichlorophenol	<8.0		8.0	0.96	ug/L		07/02/13 11:52	07/03/13 07:04	1
Naphthalene	<0.80		0.80	0.12	ug/L		07/02/13 11:52	07/03/13 07:04	1
4-Chloroaniline	<8.0		8.0	1.8	ug/L		07/02/13 11:52	07/03/13 07:04	1
Hexachlorobutadiene	<4.0		4.0	0.60	ug/L		07/02/13 11:52	07/03/13 07:04	1
Caprolactam	<8.0		8.0	4.0	ug/L		07/02/13 11:52	07/03/13 07:04	1
4-Chloro-3-methylphenol	<8.0		8.0	1.1	ug/L		07/02/13 11:52	07/03/13 07:04	1
2-Methylnaphthalene	<0.40		0.40	0.067	ug/L		07/02/13 11:52	07/03/13 07:04	1
Hexachlorocyclopentadiene	<16		16	1.5	ug/L		07/02/13 11:52	07/03/13 07:04	1
2,4,6-Trichlorophenol	<4.0		4.0	0.54	ug/L		07/02/13 11:52	07/03/13 07:04	1
2,4,5-Trichlorophenol	<8.0		8.0	1.4	ug/L		07/02/13 11:52	07/03/13 07:04	1
1,1'-Biphenyl	<4.0		4.0	2.0	ug/L		07/02/13 11:52	07/03/13 07:04	1
2-Chloronaphthalene	<1.6		1.6	0.13	ug/L		07/02/13 11:52	07/03/13 07:04	1

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

Lab Sample ID: MB 500-191832/1-A
Matrix: Water
Analysis Batch: 191933

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191832

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<4.0		4.0	0.92	ug/L		07/02/13 11:52	07/03/13 07:04	1
Dimethyl phthalate	<1.6		1.6	0.13	ug/L		07/02/13 11:52	07/03/13 07:04	1
2,6-Dinitrotoluene	<0.40		0.40	0.079	ug/L		07/02/13 11:52	07/03/13 07:04	1
Acenaphthylene	<0.80		0.80	0.11	ug/L		07/02/13 11:52	07/03/13 07:04	1
3-Nitroaniline	<8.0		8.0	0.91	ug/L		07/02/13 11:52	07/03/13 07:04	1
Acenaphthene	<0.80		0.80	0.099	ug/L		07/02/13 11:52	07/03/13 07:04	1
2,4-Dinitrophenol	<16		16	0.84	ug/L		07/02/13 11:52	07/03/13 07:04	1
4-Nitrophenol	<16		16	1.8	ug/L		07/02/13 11:52	07/03/13 07:04	1
Dibenzofuran	<1.6		1.6	0.14	ug/L		07/02/13 11:52	07/03/13 07:04	1
2,4-Dinitrotoluene	<0.80		0.80	0.17	ug/L		07/02/13 11:52	07/03/13 07:04	1
Diethyl phthalate	<1.6		1.6	0.14	ug/L		07/02/13 11:52	07/03/13 07:04	1
Fluorene	<0.80		0.80	0.13	ug/L		07/02/13 11:52	07/03/13 07:04	1
4-Chlorophenyl phenyl ether	<4.0		4.0	0.55	ug/L		07/02/13 11:52	07/03/13 07:04	1
4-Nitroaniline	<8.0		8.0	2.1	ug/L		07/02/13 11:52	07/03/13 07:04	1
4,6-Dinitro-2-methylphenol	<16		16	1.4	ug/L		07/02/13 11:52	07/03/13 07:04	1
N-Nitrosodiphenylamine	<0.80		0.80	0.15	ug/L		07/02/13 11:52	07/03/13 07:04	1
4-Bromophenyl phenyl ether	<4.0		4.0	0.42	ug/L		07/02/13 11:52	07/03/13 07:04	1
Hexachlorobenzene	<0.40		0.40	0.084	ug/L		07/02/13 11:52	07/03/13 07:04	1
Atrazine	<4.0		4.0	2.0	ug/L		07/02/13 11:52	07/03/13 07:04	1
Pentachlorophenol	<16		16	1.4	ug/L		07/02/13 11:52	07/03/13 07:04	1
Phenanthrene	<0.80		0.80	0.17	ug/L		07/02/13 11:52	07/03/13 07:04	1
Anthracene	<0.80		0.80	0.15	ug/L		07/02/13 11:52	07/03/13 07:04	1
Carbazole	<4.0		4.0	0.52	ug/L		07/02/13 11:52	07/03/13 07:04	1
Di-n-butyl phthalate	<4.0		4.0	0.66	ug/L		07/02/13 11:52	07/03/13 07:04	1
Fluoranthene	<0.80		0.80	0.16	ug/L		07/02/13 11:52	07/03/13 07:04	1
Pyrene	<0.80		0.80	0.18	ug/L		07/02/13 11:52	07/03/13 07:04	1
Butyl benzyl phthalate	<1.6		1.6	0.21	ug/L		07/02/13 11:52	07/03/13 07:04	1
3,3'-Dichlorobenzidine	<4.0		4.0	0.53	ug/L		07/02/13 11:52	07/03/13 07:04	1
Benzo[a]anthracene	<0.16		0.16	0.052	ug/L		07/02/13 11:52	07/03/13 07:04	1
Chrysene	<0.40		0.40	0.075	ug/L		07/02/13 11:52	07/03/13 07:04	1
Bis(2-ethylhexyl) phthalate	<8.0		8.0	1.8	ug/L		07/02/13 11:52	07/03/13 07:04	1
Di-n-octyl phthalate	<8.0		8.0	1.3	ug/L		07/02/13 11:52	07/03/13 07:04	1
Benzo[b]fluoranthene	<0.16		0.16	0.065	ug/L		07/02/13 11:52	07/03/13 07:04	1
Benzo[k]fluoranthene	<0.16		0.16	0.14	ug/L		07/02/13 11:52	07/03/13 07:04	1
Benzo[a]pyrene	<0.16		0.16	0.061	ug/L		07/02/13 11:52	07/03/13 07:04	1
Indeno[1,2,3-cd]pyrene	<0.16		0.16	0.061	ug/L		07/02/13 11:52	07/03/13 07:04	1
Dibenz(a,h)anthracene	<0.24		0.24	0.091	ug/L		07/02/13 11:52	07/03/13 07:04	1
Benzo[g,h,i]perylene	<0.80		0.80	0.39	ug/L		07/02/13 11:52	07/03/13 07:04	1
3 & 4 Methylphenol	<1.6		1.6	0.19	ug/L		07/02/13 11:52	07/03/13 07:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*77*		*32 - 110*	*07/02/13 11:52*	*07/03/13 07:04*	*1*
Phenol-d5 (Surr)	*70*		*25 - 100*	*07/02/13 11:52*	*07/03/13 07:04*	*1*
Nitrobenzene-d5 (Surr)	*83*		*47 - 134*	*07/02/13 11:52*	*07/03/13 07:04*	*1*
2-Fluorobiphenyl	*95*		*41 - 132*	*07/02/13 11:52*	*07/03/13 07:04*	*1*
2,4,6-Tribromophenol (Surr)	*100*		*53 - 150*	*07/02/13 11:52*	*07/03/13 07:04*	*1*
Terphenyl-d14 (Surr)	*112*		*59 - 150*	*07/02/13 11:52*	*07/03/13 07:04*	*1*

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

Lab Sample ID: LCS 500-191832/2-A
Matrix: Water
Analysis Batch: 191933

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191832

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	32.0	23.6		ug/L		74	42 - 100
Bis(2-chloroethyl)ether	32.0	26.5		ug/L		83	49 - 110
2-Chlorophenol	32.0	28.4		ug/L		89	57 - 110
2-Methylphenol	32.0	28.2		ug/L		88	51 - 110
2,2'-oxybis[1-chloropropane]	32.0	21.6		ug/L		68	30 - 119
Acetophenone	32.0	29.8		ug/L		93	50 - 110
N-Nitrosodi-n-propylamine	32.0	25.6		ug/L		80	44 - 113
Hexachloroethane	32.0	20.5		ug/L		64	31 - 100
Nitrobenzene	32.0	26.6		ug/L		83	55 - 110
Isophorone	32.0	28.6		ug/L		89	59 - 111
2-Nitrophenol	32.0	30.7		ug/L		96	69 - 111
2,4-Dimethylphenol	32.0	26.5		ug/L		83	62 - 114
Bis(2-chloroethoxy)methane	32.0	30.1		ug/L		94	61 - 111
2,4-Dichlorophenol	32.0	30.2		ug/L		94	70 - 113
Naphthalene	32.0	25.2		ug/L		79	38 - 110
4-Chloroaniline	32.0	7.62	J *	ug/L		24	40 - 133
Hexachlorobutadiene	32.0	22.2		ug/L		69	33 - 110
4-Chloro-3-methylphenol	32.0	33.6		ug/L		105	70 - 121
2-Methylnaphthalene	32.0	24.8		ug/L		77	42 - 110
Hexachlorocyclopentadiene	32.0	22.4		ug/L		70	26 - 111
2,4,6-Trichlorophenol	32.0	30.9		ug/L		97	70 - 122
2,4,5-Trichlorophenol	32.0	29.7		ug/L		93	70 - 126
2-Chloronaphthalene	32.0	26.9		ug/L		84	46 - 110
2-Nitroaniline	32.0	30.1		ug/L		94	60 - 124
Dimethyl phthalate	32.0	33.9		ug/L		106	70 - 111
2,6-Dinitrotoluene	32.0	30.4		ug/L		95	70 - 114
Acenaphthylene	32.0	24.5		ug/L		77	48 - 114
3-Nitroaniline	32.0	33.8		ug/L		105	50 - 150
Acenaphthene	32.0	32.5		ug/L		102	44 - 110
2,4-Dinitrophenol	64.0	76.2		ug/L		119	65 - 126
4-Nitrophenol	64.0	60.9		ug/L		95	59 - 125
Dibenzofuran	32.0	30.0		ug/L		94	49 - 122
2,4-Dinitrotoluene	32.0	33.4		ug/L		104	70 - 116
Diethyl phthalate	32.0	36.4		ug/L		114	57 - 141
Fluorene	32.0	30.9		ug/L		96	50 - 121
4-Chlorophenyl phenyl ether	32.0	29.3		ug/L		91	52 - 116
4-Nitroaniline	32.0	38.9		ug/L		122	50 - 150
4,6-Dinitro-2-methylphenol	64.0	74.2		ug/L		116	70 - 131
N-Nitrosodiphenylamine	32.0	30.0		ug/L		94	70 - 130
4-Bromophenyl phenyl ether	32.0	29.9		ug/L		93	69 - 131
Hexachlorobenzene	32.0	28.5		ug/L		89	66 - 139
Pentachlorophenol	64.0	60.1		ug/L		94	70 - 146
Phenanthrene	32.0	32.1		ug/L		100	56 - 131
Anthracene	32.0	32.0		ug/L		100	58 - 127
Carbazole	32.0	31.6		ug/L		99	70 - 140
Di-n-butyl phthalate	32.0	31.1		ug/L		97	52 - 137
Fluoranthene	32.0	29.1		ug/L		91	57 - 135
Pyrene	32.0	29.6		ug/L		93	67 - 116

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

Lab Sample ID: LCS 500-191832/2-A
Matrix: Water
Analysis Batch: 191933

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191832

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Butyl benzyl phthalate	32.0	32.8		ug/L		102	70 - 120
3,3'-Dichlorobenzidine	32.0	26.2		ug/L		82	70 - 137
Benzo[a]anthracene	32.0	33.3		ug/L		104	64 - 119
Chrysene	32.0	33.9		ug/L		106	57 - 122
Bis(2-ethylhexyl) phthalate	32.0	33.6		ug/L		105	70 - 119
Di-n-octyl phthalate	32.0	35.1		ug/L		110	60 - 136
Benzo[b]fluoranthene	32.0	31.2		ug/L		98	68 - 130
Benzo[k]fluoranthene	32.0	28.8		ug/L		90	60 - 133
Benzo[a]pyrene	32.0	30.4		ug/L		95	70 - 119
Indeno[1,2,3-cd]pyrene	32.0	30.0		ug/L		94	58 - 138
Dibenz(a,h)anthracene	32.0	29.7		ug/L		93	59 - 132
Benzo[g,h,i]perylene	32.0	29.6		ug/L		93	48 - 140
3 & 4 Methylphenol	32.0	26.0		ug/L		81	45 - 114

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*78*		*32 - 110*
Phenol-d5 (Surr)	*75*		*25 - 100*
Nitrobenzene-d5 (Surr)	*92*		*47 - 134*
2-Fluorobiphenyl	*90*		*41 - 132*
2,4,6-Tribromophenol (Surr)	*108*		*53 - 150*
Terphenyl-d14 (Surr)	*108*		*59 - 150*

Lab Sample ID: LCSD 500-191832/3-A
Matrix: Water
Analysis Batch: 191933

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191832

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	32.0	22.2		ug/L		69	42 - 100	6	20
Bis(2-chloroethyl)ether	32.0	28.9		ug/L		90	49 - 110	9	20
2-Chlorophenol	32.0	30.3		ug/L		95	57 - 110	7	20
2-Methylphenol	32.0	30.2		ug/L		95	51 - 110	7	20
2,2'-oxybis[1-chloropropane]	32.0	23.5		ug/L		74	30 - 119	8	20
Acetophenone	32.0	32.2		ug/L		101	50 - 110	8	20
N-Nitrosodi-n-propylamine	32.0	27.8		ug/L		87	44 - 113	8	20
Hexachloroethane	32.0	25.3	*	ug/L		79	31 - 100	21	20
Nitrobenzene	32.0	29.2		ug/L		91	55 - 110	9	20
Isophorone	32.0	30.9		ug/L		97	59 - 111	8	20
2-Nitrophenol	32.0	33.6		ug/L		105	69 - 111	9	20
2,4-Dimethylphenol	32.0	30.7		ug/L		96	62 - 114	14	20
Bis(2-chloroethoxy)methane	32.0	32.7		ug/L		102	61 - 111	8	20
2,4-Dichlorophenol	32.0	33.0		ug/L		103	70 - 113	9	20
Naphthalene	32.0	29.7		ug/L		93	38 - 110	17	20
4-Chloroaniline	32.0	31.3	*	ug/L		98	40 - 133	122	20
Hexachlorobutadiene	32.0	27.5	*	ug/L		86	33 - 110	21	20
4-Chloro-3-methylphenol	32.0	36.9		ug/L		115	70 - 121	9	20
2-Methylnaphthalene	32.0	29.8		ug/L		93	42 - 110	18	20
Hexachlorocyclopentadiene	32.0	26.4		ug/L		82	26 - 111	16	20
2,4,6-Trichlorophenol	32.0	34.0		ug/L		106	70 - 122	10	20

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

Lab Sample ID: LCSD 500-191832/3-A
Matrix: Water
Analysis Batch: 191933

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191832

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	32.0	33.6		ug/L		105	70 - 126	12	20
2-Chloronaphthalene	32.0	31.6		ug/L		99	46 - 110	16	20
2-Nitroaniline	32.0	33.8		ug/L		106	60 - 124	11	20
Dimethyl phthalate	32.0	37.2	*	ug/L		116	70 - 111	9	20
2,6-Dinitrotoluene	32.0	33.4		ug/L		104	70 - 114	9	20
Acenaphthylene	32.0	27.0		ug/L		84	48 - 114	9	20
3-Nitroaniline	32.0	32.2		ug/L		101	50 - 150	5	20
Acenaphthene	32.0	37.4	*	ug/L		117	44 - 110	14	20
2,4-Dinitrophenol	64.0	87.8	*	ug/L		137	65 - 126	14	20
4-Nitrophenol	64.0	56.6		ug/L		88	59 - 125	7	20
Dibenzofuran	32.0	34.1		ug/L		107	49 - 122	13	20
2,4-Dinitrotoluene	32.0	36.7		ug/L		115	70 - 116	10	20
Diethyl phthalate	32.0	41.6		ug/L		130	57 - 141	13	20
Fluorene	32.0	35.5		ug/L		111	50 - 121	14	20
4-Chlorophenyl phenyl ether	32.0	32.5		ug/L		102	52 - 116	11	20
4-Nitroaniline	32.0	31.4	*	ug/L		98	50 - 150	21	20
4,6-Dinitro-2-methylphenol	64.0	81.0		ug/L		127	70 - 131	9	20
N-Nitrosodiphenylamine	32.0	33.2		ug/L		104	70 - 130	10	20
4-Bromophenyl phenyl ether	32.0	33.1		ug/L		104	69 - 131	10	20
Hexachlorobenzene	32.0	31.0		ug/L		97	66 - 139	8	20
Pentachlorophenol	64.0	60.7		ug/L		95	70 - 146	1	20
Phenanthrene	32.0	36.5		ug/L		114	56 - 131	13	20
Anthracene	32.0	36.1		ug/L		113	58 - 127	12	20
Carbazole	32.0	34.1		ug/L		106	70 - 140	8	20
Di-n-butyl phthalate	32.0	32.8		ug/L		102	52 - 137	5	20
Fluoranthene	32.0	31.0		ug/L		97	57 - 135	6	20
Pyrene	32.0	31.3		ug/L		98	67 - 116	6	20
Butyl benzyl phthalate	32.0	34.5		ug/L		108	70 - 120	5	20
3,3'-Dichlorobenzidine	32.0	28.8		ug/L		90	70 - 137	9	20
Benzo[a]anthracene	32.0	35.9		ug/L		112	64 - 119	8	20
Chrysene	32.0	36.0		ug/L		112	57 - 122	6	20
Bis(2-ethylhexyl) phthalate	32.0	35.3		ug/L		110	70 - 119	5	20
Di-n-octyl phthalate	32.0	36.9		ug/L		115	60 - 136	5	20
Benzo[b]fluoranthene	32.0	32.8		ug/L		102	68 - 130	5	20
Benzo[k]fluoranthene	32.0	31.0		ug/L		97	60 - 133	7	20
Benzo[a]pyrene	32.0	32.0		ug/L		100	70 - 119	5	20
Indeno[1,2,3-cd]pyrene	32.0	31.4		ug/L		98	58 - 138	4	20
Dibenz(a,h)anthracene	32.0	31.8		ug/L		99	59 - 132	7	20
Benzo[g,h,i]perylene	32.0	31.5		ug/L		98	48 - 140	6	20
3 & 4 Methylphenol	32.0	27.3		ug/L		85	45 - 114	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*77*		*32 - 110*
Phenol-d5 (Surr)	*68*		*25 - 100*
Nitrobenzene-d5 (Surr)	*100*		*47 - 134*
2-Fluorobiphenyl	*99*		*41 - 132*
2,4,6-Tribromophenol (Surr)	*116*		*53 - 150*
Terphenyl-d14 (Surr)	*114*		*59 - 150*

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-191776/1-A
Matrix: Water
Analysis Batch: 191942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.20		0.20	0.042	mg/L		07/02/13 07:20	07/02/13 16:28	1
Antimony	<0.020		0.020	0.0039	mg/L		07/02/13 07:20	07/02/13 16:28	1
Arsenic	<0.010		0.010	0.0026	mg/L		07/02/13 07:20	07/02/13 16:28	1
Barium	<0.010		0.010	0.0011	mg/L		07/02/13 07:20	07/02/13 16:28	1
Beryllium	<0.0040		0.0040	0.00043	mg/L		07/02/13 07:20	07/02/13 16:28	1
Cadmium	0.000378	J	0.0020	0.00026	mg/L		07/02/13 07:20	07/02/13 16:28	1
Calcium	0.0563	J	0.20	0.032	mg/L		07/02/13 07:20	07/02/13 16:28	1
Chromium	<0.010		0.010	0.0010	mg/L		07/02/13 07:20	07/02/13 16:28	1
Cobalt	<0.0050		0.0050	0.00045	mg/L		07/02/13 07:20	07/02/13 16:28	1
Copper	<0.010		0.010	0.0019	mg/L		07/02/13 07:20	07/02/13 16:28	1
Iron	0.0766	J	0.20	0.043	mg/L		07/02/13 07:20	07/02/13 16:28	1
Lead	<0.0050		0.0050	0.0023	mg/L		07/02/13 07:20	07/02/13 16:28	1
Magnesium	<0.10		0.10	0.014	mg/L		07/02/13 07:20	07/02/13 16:28	1
Manganese	<0.010		0.010	0.00094	mg/L		07/02/13 07:20	07/02/13 16:28	1
Nickel	<0.010		0.010	0.0012	mg/L		07/02/13 07:20	07/02/13 16:28	1
Potassium	<0.50		0.50	0.063	mg/L		07/02/13 07:20	07/02/13 16:28	1
Selenium	<0.010		0.010	0.0046	mg/L		07/02/13 07:20	07/02/13 16:28	1
Silver	<0.0050		0.0050	0.00057	mg/L		07/02/13 07:20	07/02/13 16:28	1
Sodium	<1.0		1.0	0.14	mg/L		07/02/13 07:20	07/02/13 16:28	1
Thallium	<0.010		0.010	0.0029	mg/L		07/02/13 07:20	07/02/13 16:28	1
Vanadium	<0.0050		0.0050	0.00056	mg/L		07/02/13 07:20	07/02/13 16:28	1
Zinc	0.00473	J	0.020	0.0025	mg/L		07/02/13 07:20	07/02/13 16:28	1

Lab Sample ID: LCS 500-191776/2-A
Matrix: Water
Analysis Batch: 191942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2.00	1.84		mg/L		92	80 - 120
Antimony	0.500	0.451		mg/L		90	80 - 120
Arsenic	0.100	0.0885		mg/L		89	80 - 120
Barium	2.00	1.88		mg/L		94	80 - 120
Beryllium	0.0500	0.0458		mg/L		92	80 - 120
Cadmium	0.0500	0.0452		mg/L		90	80 - 120
Calcium	10.0	9.45		mg/L		95	80 - 120
Chromium	0.200	0.188		mg/L		94	80 - 120
Cobalt	0.500	0.466		mg/L		93	80 - 120
Copper	0.250	0.239		mg/L		96	80 - 120
Iron	1.00	0.974		mg/L		97	80 - 120
Lead	0.100	0.0941		mg/L		94	80 - 120
Magnesium	10.0	9.11		mg/L		91	80 - 120
Manganese	0.500	0.464		mg/L		93	80 - 120
Nickel	0.500	0.461		mg/L		92	80 - 120
Potassium	10.0	9.38		mg/L		94	80 - 120
Selenium	0.100	0.0815		mg/L		81	80 - 120
Silver	0.0500	0.0441		mg/L		88	80 - 120
Sodium	10.0	9.51		mg/L		95	80 - 120
Thallium	0.100	0.0872		mg/L		87	80 - 120

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

Lab Sample ID: LCS 500-191776/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 191942 — **Prep Batch: 191776**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	0.500	0.483		mg/L		97	80 - 120
Zinc	0.500	0.458		mg/L		92	80 - 120

Lab Sample ID: 500-58684-1 MS — **Client Sample ID: JRF-W04-20130701**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 191942 — **Prep Batch: 191776**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.36		2.00	2.07		mg/L		85	75 - 125
Antimony	0.0098	J	0.500	0.474		mg/L		93	75 - 125
Arsenic	0.0028	J	0.100	0.0940		mg/L		91	75 - 125
Barium	0.076	V	2.00	1.96		mg/L		94	75 - 125
Beryllium	<0.0040		0.0500	0.0470		mg/L		94	75 - 125
Cadmium	0.00098	J B	0.0500	0.0472		mg/L		92	75 - 125
Calcium	78	B V	10.0	84.5	4	mg/L		61	75 - 125
Chromium	0.0019	J	0.200	0.188		mg/L		93	75 - 125
Cobalt	0.047		0.500	0.516		mg/L		94	75 - 125
Copper	0.032		0.250	0.259		mg/L		91	75 - 125
Iron	1.9	B	1.00	2.27	F	mg/L		36	75 - 125
Lead	0.0067		0.100	0.102		mg/L		95	75 - 125
Magnesium	26	V	10.0	34.0		mg/L		79	75 - 125
Manganese	0.34	V	0.500	0.782		mg/L		87	75 - 125
Nickel	0.0068	J	0.500	0.481		mg/L		95	75 - 125
Potassium	11	V	10.0	20.2		mg/L		91	75 - 125
Selenium	<0.010		0.100	0.0804		mg/L		80	75 - 125
Silver	<0.0050		0.0500	0.0451		mg/L		90	75 - 125
Sodium	43	V	10.0	51.4	4	mg/L		80	75 - 125
Thallium	<0.010		0.100	0.0862		mg/L		86	75 - 125
Vanadium	0.0016	J	0.500	0.486		mg/L		97	75 - 125
Zinc	1.2	B V	0.500	1.61		mg/L		75	75 - 125

Lab Sample ID: 500-58684-1 MSD — **Client Sample ID: JRF-W04-20130701**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 191942 — **Prep Batch: 191776**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	0.36		2.00	2.33		mg/L		99	75 - 125	12	20
Antimony	0.0098	J	0.500	0.472		mg/L		92	75 - 125	1	20
Arsenic	0.0028	J	0.100	0.0985		mg/L		96	75 - 125	5	20
Barium	0.076	V	2.00	1.94		mg/L		93	75 - 125	1	20
Beryllium	<0.0040		0.0500	0.0462		mg/L		92	75 - 125	2	20
Cadmium	0.00098	J B	0.0500	0.0476		mg/L		93	75 - 125	1	20
Calcium	78	B V	10.0	87.5	4	mg/L		92	75 - 125	4	20
Chromium	0.0019	J	0.200	0.188		mg/L		93	75 - 125	0	20
Cobalt	0.047		0.500	0.521		mg/L		95	75 - 125	1	20
Copper	0.032		0.250	0.273		mg/L		97	75 - 125	5	20
Iron	1.9	B	1.00	2.79	F	mg/L		88	75 - 125	21	20
Lead	0.0067		0.100	0.102		mg/L		95	75 - 125	0	20
Magnesium	26	V	10.0	35.0		mg/L		90	75 - 125	3	20

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

Lab Sample ID: 500-58684-1 MSD — **Client Sample ID: JRF-W04-20130701**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 191942 — **Prep Batch: 191776**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	0.34	V	0.500	0.796		mg/L		90	75 - 125	2	20
Nickel	0.0068	J	0.500	0.476		mg/L		94	75 - 125	1	20
Potassium	11	V	10.0	20.5		mg/L		94	75 - 125	2	20
Selenium	<0.010		0.100	0.0783		mg/L		78	75 - 125	3	20
Silver	<0.0050		0.0500	0.0448		mg/L		90	75 - 125	1	20
Sodium	43	V	10.0	52.6	4	mg/L		93	75 - 125	2	20
Thallium	<0.010		0.100	0.0858		mg/L		86	75 - 125	0	20
Vanadium	0.0016	J	0.500	0.483		mg/L		96	75 - 125	1	20
Zinc	1.2	B V	0.500	1.70		mg/L		94	75 - 125	6	20

Lab Sample ID: 500-58684-1 DU — **Client Sample ID: JRF-W04-20130701**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 191942 — **Prep Batch: 191776**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	0.36		0.457		mg/L		25	20
Antimony	0.0098	J	0.00961	J	mg/L		1	20
Arsenic	0.0028	J	0.00297	J	mg/L		5	20
Barium	0.076	V	0.0788		mg/L		3	20
Beryllium	<0.0040		<0.0040		mg/L		NC	20
Cadmium	0.00098	J B	0.00123	J	mg/L		22	20
Calcium	78	B V	77.1		mg/L		2	20
Chromium	0.0019	J	0.00239	J	mg/L		23	20
Cobalt	0.047		0.0443		mg/L		5	20
Copper	0.032		0.0345		mg/L		9	20
Iron	1.9	B	2.01		mg/L		5	20
Lead	0.0067		0.0159	F	mg/L		81	20
Magnesium	26	V	25.4		mg/L		2	20
Manganese	0.34	V	0.344		mg/L		0.2	20
Nickel	0.0068	J	0.00677	J	mg/L		0.2	20
Potassium	11	V	11.0		mg/L		0.5	20
Selenium	<0.010		<0.010		mg/L		NC	20
Silver	<0.0050		<0.0050		mg/L		NC	20
Sodium	43	V	42.8		mg/L		1	20
Thallium	<0.010		<0.010		mg/L		NC	20
Vanadium	0.0016	J	0.00181	J	mg/L		15	20
Zinc	1.2	B V	1.29		mg/L		4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-191691/7-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 191827 — **Prep Batch: 191691**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000064	mg/L		07/01/13 14:45	07/02/13 09:03	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 500-191691/8-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 191827 — **Prep Batch: 191691**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00209		mg/L		105	80 - 120

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-191766/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 191766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	0.13	mg/L			07/02/13 02:30	1

Lab Sample ID: LCS 500-191766/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 191766

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	3.70	3.68		mg/L		99	80 - 120

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Client Sample ID: JRF-W04-20130701

Lab Sample ID: 500-58684-1

Date Collected: 07/01/13 17:30
Matrix: Water
Date Received: 07/02/13 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	191768	07/02/13 12:23	BBS	TAL CHI
Total/NA	Prep	3510C			191832	07/02/13 11:52	SCH	TAL CHI
Total/NA	Analysis	8270D		5	191933	07/03/13 08:42	PMF	TAL CHI
Total/NA	Prep	7470A			191691	07/02/13 08:30	BJB	TAL CHI
Total/NA	Analysis	7470A		1	191827	07/02/13 11:08	BJB	TAL CHI
Total/NA	Prep	3010A			191776	07/02/13 07:20	LAH	TAL CHI
Total/NA	Analysis	6010B		1	191942	07/02/13 16:36	PJ1	TAL CHI
Total/NA	Analysis	9034		1	191766		CLB	TAL CHI
					(Start)	07/02/13 03:09		
					(End)	07/02/13 03:15		
Total/NA	Prep	9030B			191765	07/02/13 05:04	CLB	TAL CHI
Total/NA	Analysis	9040C		1	191971		APW	TAL CHI
					(Start)	07/02/13 15:54		
					(End)	07/02/13 15:56		

Client Sample ID: Trip Blank

Lab Sample ID: 500-58684-2

Date Collected: 07/01/13 00:00
Matrix: Water
Date Received: 07/02/13 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	191768	07/02/13 11:57	BBS	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Hoopeston, IL

TestAmerica Job ID: 500-58684-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	06-30-13 *
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Georgia	State Program	4	939	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	06-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	07-15-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMEN

2417 Bond Street, University Park,
Phone: 708.534.5200 Fax: 70

500-58684 COC

Report To (optional)
Contact: TONYA BALLA
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

Bill To (optional)
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-58684

Chain of Custody Number:

Page ____ of ____

Temperature °C of Cooler: 2.4

Client: WESTON
Client Project #:
Project Name: J&R TIRE FIRE ER
Project Location/State: HOOPESTON, IL
Lab Project #:
Sampler: JEFF BOYNIARSKI
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	SULFIDE (Preservative 5)	VOC (Preservative 1)	SVOC (Preservative 7)	METALS (Preservative 3)	pH (Preservative 7)					Comments
1		JRF-W04-20130701	07/01/13	17:30		W	X	X	X	X	X					
		NO ADDITIONAL														
2		Trip Blank														added by TA

Turnaround Time Required (Business Days)
X 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☑ Archive for 1 Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	WESTON	07/01/13	21:02	[signature]	TestAmerica	7/01/13	2102
				[signature]	TA	7/2/13	0630

Lab Courier
Shipped
Hand Delivered: Weston

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-508 (1209)
7/3/2013

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-58684-1

Login Number: 58684

List Number: 1

Creator: Lunt, Jeff T

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.4
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

NVLAP Lab Code 101202-0

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

Weston Solutions, Inc. (Vernon Hills)
750 East Bunker Court Suite 500
Vernon Hills, IL 600611865
Phone: (847) 918-4030
Fax: (847) 918-4055

Reference:
Location:
Batch No.: 307605
Customer No.: 2342

Date Received: 06/22/2013
Date Analyzed: 06/22/2013
Date Reported: 06/22/2013
Turn Around Time: Immediate

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
307605001	JRF-A-W-01	ND	Binder 99-100%
307605002	JRF-A-W-02	ND	Binder 99-100%
307605003	JRF-A-W-03	Chrysotile 5-10%	Binder 90-95%
307605004	JRF-A-W-04	ND	Binder 99-100%
307605005	JRF-A-W-05	ND	Binder 99-100%
307605006	JRF-A-W-06	Chrysotile 5-10%	Binder 90-95%
307605007	JRF-A-W-07	ND	Binder 99-100%
307605008	JRF-A-W-08	Chrysotile 1-5%	Binder 95-99%
307605009	JRF-A-W-09	ND	Binder 99-100%
307605010	JRF-A-W-10	ND	Binder 99-100%
307605011	JRF-A-W-11	Chrysotile 1-5%	Binder 95-99%
307605012	JRF-A-W-12	ND	Binder 90-95% Other 5-10%
307605013	JRF-A-W-13	ND	Binder 99-100%
307605014	JRF-A-W-14	ND	Cellulose 5-10% Binder 90-95%
307605015	JRF-A-W-15	ND	Glass 99-100%
307605016	JRF-A-W-16	ND	Binder 90-95% Other 5-10%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

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Analyzed by Name: Henry Robateau / Microscopist

Date: 06/22/2013

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

NVLAP Lab Code 101202-0

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

Weston Solutions, Inc. (Vernon Hills)
750 East Bunker Court Suite 500
Vernon Hills, IL 600611865
Phone: (847) 918-4030
Fax: (847) 918-4055

Reference:		Date Received:	06/22/2013
Location:		Date Analyzed:	06/22/2013
Batch No.:	307605	Date Reported:	06/22/2013
Customer No.:	2342	Turn Around Time:	Immediate

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
307605017	JRF-A-W-17	ND	Binder 99-100%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

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Analyzed by Name: Henry Robatcau / Microscopist

Date: 06/22/2013

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386
e-mail address: STATinfo@STATAnalysis.com AIHA accredited 101160 NVLAP lab code 101202-0

CHAIN OF CUSTODY RECORD Page : 1 of 2

Client: USEPA - Weston
Street Address: 750 E Bunker Ct
City, State, Zip: Vernon Hills, IL 60061
Phone: 847-528-2623
Fax:
e-mail/Alt. Fax: t.balla@westonsolutions.com
Project Number:
Project Name:
Project Location:
Project Manager: Tonya Balla
P.O. Number:

Turn Around: Immediate: [X] 4 Hrs: [ ] 8 Hrs: [ ] 24 Hrs: [ ] 1 Day: [ ] 2 Days: [ ] 3 Days: [ ] 5 Days: [ ]
Date Due: Time Due: Note: Not all turn around times are available for all analysis.

OFFICE USE ONLY BELOW:
Batch No: ~~#307605~~
Samples Acceptable: Yes: [✓] No: [ ]
Checked by (Initial/Date): 6/21/13
QC by (Initial/Date):
Reported By (Initial/Date/Time/Method): 307605
Comments:

Relinquished by: Mike Mojac Date/Time: 6/21/13 2100
Received by: Jay Rank Date/Time: 6/21/13 2100
Relinquished by: Jay Rank Date/Time: 6/22/13 1010
Received by: [signature] Date/Time: 6/22/13 10:10
Relinquished by: Date/Time:
Received by: Date/Time:

Client Sample Number/Description	Date Taken	Time On	Time Off	Rate (lpm)	Volume (Liters)	Area Wiped (ft²)	Laboratory Sample No.	PCM Asbestos	PLM Asbestos (Bulk)	PLM Point Count	PLM Gravimetric	TEM Air Asbestos	TEM Bulk Asbestos	TEM Gravimetric Asb.	TEM Microvac Asb.	TEM Water		Other:
JRF-A-W-01	6/21/13	1600	\	—	—	—			X									
JRF-A-W-02	6/21/13	1605	\	—	—	—			X									
JRF-A-W-03	6/21/13	1610	\	—	—	—			X									
JRF-A-W-04	6/21/13	1615	\	—	—	—			X									
JRF-A-W-05	6/21/13	1620	\	—	—	—			X									
JRF-A-W-06	6/21/13	1625	\	—	—	—			X									
JRF-A-W-07	6/21/13	1630	\	—	—	—			X									
JRF-A-W-08	6/21/13	1635	\	—	—	—			X									
JRF-A-W-09	6/21/13	1640	\	—	—	—			X									
JRF-A-S-10	6/21/13	1645	\	—	—	—			X									
JRF-A-E-11	6/21/13	1650	\	—	—	—			X									
JRF-A-ND-12	6/21/13	1655	\	—	—	—			X									
JRF-A-ND-13	6/21/13	1700	\	—	—	—			X									

Comments: Verbal Confirmation

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386
e-mail address: STATinfo@STATAnalysis.com AIHA accredited 101160 NVLAP lab code 101202-0

CHAIN OF CUSTODY RECORD

Client: USEPA - WESTON
Street Address: 750 E Bunker Ct Ste 500
City, State, Zip: Vernon Hills IL 60061
Phone: 847 528 2623
Fax:
e-mail/Alt. Fax: t.balla@westonsolutions.com
Project Number:
Project Name:
Project Location:
Project Manager: Tonya Balla
P.O. Number:

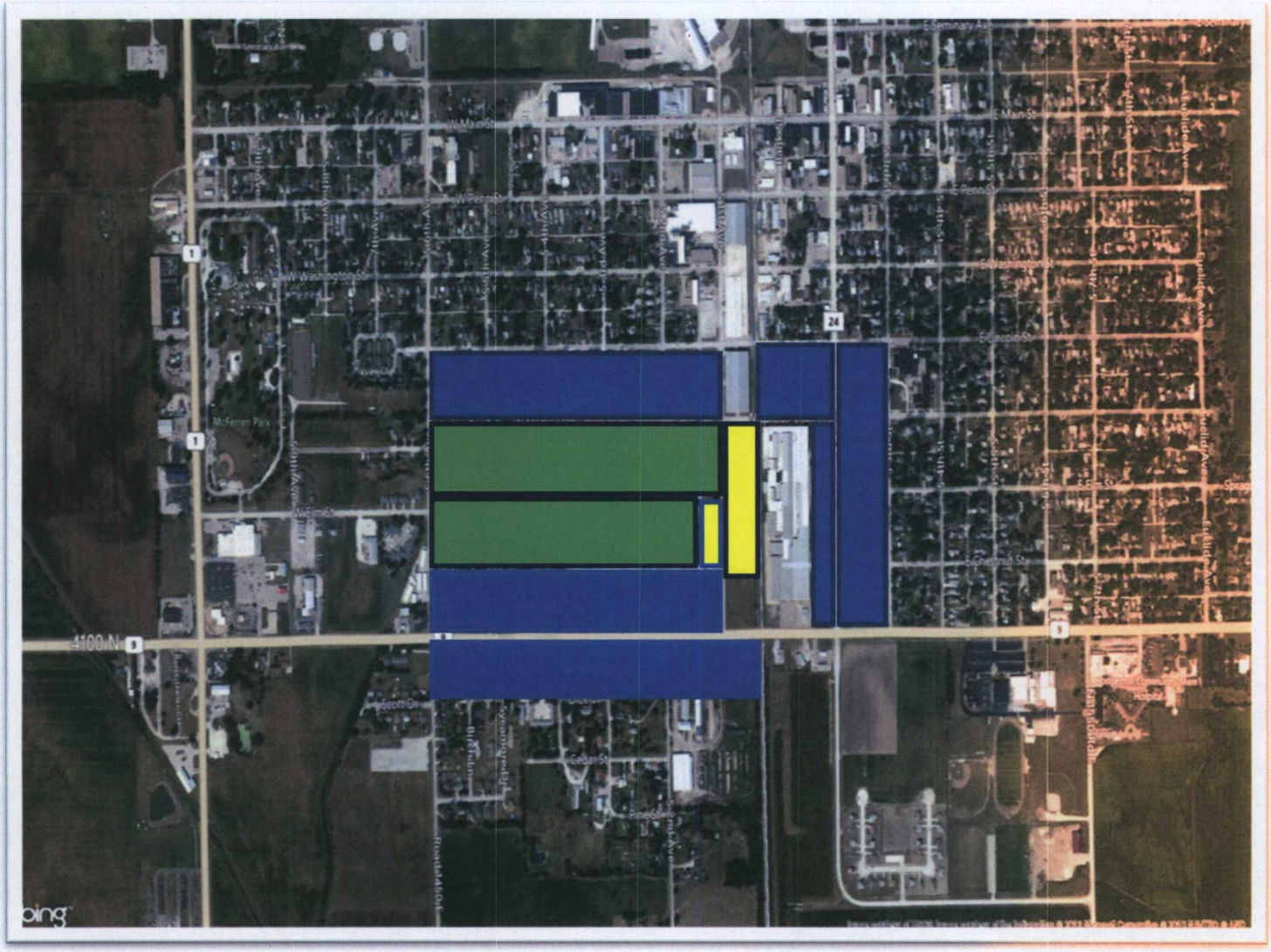
Turn Around: Immediate: [X] 4 Hrs: [ ] 8 Hrs: [ ] 24 Hrs: [ ] 1 Day: [ ] 2 Days: [ ] 3 Days: [ ] 5 Days: [ ]
Date Due: Time Due: Note: Not all turn around times are available for all analysis.

OFFICE USE ONLY BELOW:
Batch No.: 307605
Samples Acceptable: Yes: [ ] No: [ ]
Checked by (Initial/Date):
QC by (Initial/Date):
Reported By (Initial/Date/Time/Method):
Comments:

Relinquished by: Mike Mejac Date/Time: 6/21/13 21:00
Received by: Tony Ball Date/Time: 6/21/13 21:00
Relinquished by: Tony Ball Date/Time: 6/21/13 10:10
Received by: [signature] Date/Time: 6/21/13 10:10
Relinquished by: Date/Time:
Received by: Date/Time:

Client Sample Number/Description	Date Taken	Time On	Time Off	Rate (lpm)	Volume (Liters)	Area Wiped (ft²)	Laboratory Sample No.	PCM Asbestos	PLM Asbestos (Bulk)	PLM Point Count	PLM Gravimetric	TEM Air Asbestos	TEM Bulk Asbestos	TEM Gravimetric Asb.	TEM Microvac Asb.	TEM Water		Other:						
SRF-A-ED-14	6/21/13	1705	\	—	—	—			X															
SRF-A-ED-15	6/21/13	1710	\	—	—	—			X															
SRF-A-SD-16	6/21/13	1715	\	—	—	—			X															
SRF-A-SD-17	6/21/13	1720	\	—	—	—			X															

Comments: Verbal confirmation



Site Activities 6-25-13

Site Activities 6-26-13

Site Activities 6-27-13

ASBESTOS DEBRIS CLEANUP MAP
Hoopeston, Illinois
J R Tire Fire Emergency Response
Updated 6-26-13

NORTH

ASBESTOS AIR SAMPLING LOCATION MAP

Particulate Plume Map: 6-23-13 @ 2:00 pm

Asbestos Air Sampling: 6-23-13 @ 12:15 pm to 7:30 pm

NIOSH 7402 Method

NORTH

AIR SAMPLING DATA SHEET

Project Name:	J R Tire Fire	**Project Number:**	20405.012.001.2196.01
Building Name:	Hoopeston, IL	**Air Sampler Name:**	Bill Pietroburgo
Address:	Maple Street	**Date:**	6/23/2013
Comments:		**Weather Conditions:**	80 - 85 degrees F - Partly Cloudy

Sample #	Type	Sample Discription Location	Activity	Calibration Start	Calibratiion Stop	Calibration Average	Start Time	Stop Time	Total Time	Air Volume (L)	Lab Sample Results
062313-A1	BG	715 First Ave - Apartments	BG	1.5	1.5	1.5	1209	1849	400.00	600	< 0.0027
062313-A2	BG	North of Maple @ Alley	BG	1.5	1.5	1.5	1217	1857	400.00	600	< 0.0027
062313-A3	BG	Grant Township - West Parking Lot	BG	1.5	1.5	1.5	1223	1903	400.00	600	< 0.0027
062313-A4	BG	Maple School West Fenceline	BG	1.5	1.5	1.5	1231	1911	400.00	600	< 0.0027
062313-A5	BG	Southeast Corner of Bank Street & East Main	BG	1.5	1.5	1.5	1245	1925	400.00	600	< 0.0027
062313-A6		Field Blank									< 7.0
062313-A7		Field Blank									< 7.0
		Analyzed by NIOSH 7402 Method									

Key of Abbreviations

Asbestos	**Lead**
Sample Type	**Sample Type**
P-Personal, EL-Excursion, BG-Background	P-Personal, IA-Inside Area, OW-Outside Work Area
IA-Inside Work Area, FB-Field Blank	NAE- Negative Air Exhaust,
OW- Outside Work Area, NAE-Negative Air Exhaust	
Activity	**Activity**
O&M-Operations and Maintenance Work, GB-Glovebag, DIS-Disposal	CHGR- Chemical Gross Removal,DIS- Dismatling Component
SU-Set Up, DEM-Demolition, GR-Gross Removal, FT-Floor Tile, MAS-Mastic	WSCR-Wet Scrapping, HFEQ-Hepa Filter Equipment
RF-Roofing Removal, TR-Transite Removal, BG-Background	BGLD-Back Ground Wipe, CLRW-Clearance Wipes
CSE-Contaminated Soil Excavation	DWP-Daily Wipe

STAT Analysis Corporation:
2242 West Harrison St., Suite 200, Chicago, Illinois 60612-3766
Tel. 312.733.0551; Fax: 312.733.2386; e-mail address: StatInfo@STATAnalysis.com

ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

NIOSH 7402

Weston Solutions, Inc (Vernon Hills)
750 East Bunker Court Suite 500
Vernon Hills, Il 600611865
Phone: (847) 918-4030
Fax: (847) 918-4055

STAT Batch: 307631
Project Name: JR Tire Survey
Project Number: 20405.012.001.2196
Average G.O. 0.01301 mm^2

Date Received: 6/24/13
Date Analyzed: 6/24/13
Date Reported: 6/24/13

Laboratory Sample Number	Client Sample Number	Volume (Liters)	Grid Openings Counted	Asbestos Fibers ≥5um and type	Total Fibers ≥5um	PCM Fibers (cc)	PCM Fibers (mm2)	Asbestos Fibers 7402 (cc)	Asbestos Fibers 7402 (mm2)
307624-001	062313-A1	600	20	0	2	0.0025	3.8	≤ 0.0027	≤ 7.0
307624-002	062313-A2	600	20	0	3	0.0033	5.1	≤ 0.0027	≤ 7.0
307624-003	062313-A3	600	20	0	4	0.0029	4.5	≤ 0.0027	≤ 7.0
307624-004	062313-A4	600	20	0	0	0.0016	2.5	≤ 0.0027	≤ 7.0
307624-005	062313-A5	600	20	0	2	0.0008	1.3	≤ 0.0027	≤ 7.0
307624-006	062313-A6	0	20	0	0	≤ 7.0			≤ 7.0
307624-007	062313-A7	0	20	0	0	≤ 7.0			≤ 7.0

Analyzed By: Robert J. Schum
Date: 6/24/2013

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
AIHA Accreditation # 101160

PHASE CONTRAST MICROSCOPY

Method: NIOSH 7400, Fourth Edition 8/15/94

Weston Solutions, Inc. (Vernon Hills)
750 East Bunker Court Suite 500
Vernon Hills, IL 600611865
(847) 918-4030
(847) 918-4055

Reference:	20405.012.001.2196	Date Received:	06/24/2013
Location:	JR Tire Survey	Date Analyzed:	06/24/2013
Batch No.:	307631	Date Reported:	06/24/2013
Customer No.:	2342	Turn Around Time:	1 Day

Laboratory Sample Number	Customer Sample Number	Volume (L)	Fibers	Number of Fields	Calculated Result F/cc	Calculated Result F/mm²	Reported Result
307631001	062313-A1	600	3	100	0.0025	3.8	< 0.0045 F/cc
307631002	062313-A2	600	4	100	0.0033	5.1	< 0.0045 F/cc
307631003	062313-A3	600	3.5	100	0.0029	4.5	< 0.0045 F/cc
307631004	062313-A4	600	2	100	0.0016	2.5	< 0.0045 F/cc
307631005	062313-A5	600	1	100	0.0008	1.3	< 0.0045 F/cc
307631006	062313-A6	0	0	100		< 7	< 7 F/mm²
307631007	062313-A7	0	0	100		< 7	< 7 F/mm²

STAT Analysis Laboratory Sr Values: 5-20 fibers/100 fields: 0.2343 >50-100 fibers/100 fields: 0.1324
>20-50 fibers/100 fields: 0.1360 >100 fibers/100 fields: 0.3153

LOD = 7 fibers/mm² or 0.0027 fibers/cc for 1000 Litre sample volume. All results are field blank corrected, when applicable.

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Signature :

Valentina Shima / Microscopist Date: 06/24/2013

JUN-24-2013 20:37 STAT ANALYSIS 3127332386 P.002

Professional Environmental Engineers
500 S Ewing Building B Suite E, St. Louis MO 63103
Phone: (314) 531-0060
Fax:(314) 531-0068

307631

Chain of Custody

Asbestos Air Samples

Sampler: Bill Pietroburgo	Name of Survey: JR Tire Survey	Date of Collection: 6-23-13	Project # 20405.012.001.2196	Sheet 1

Sample Number	Lab Sample Number	Time	Flow Rate	Volume	Sample Type	Fibers	Fields	fibers/mm2	Results f/cc	Sample Description (Location)
062313-A1		400	1.5	600	B					715 1st Ave - Apartments
062313-A2		400	1.5	600	B					Plume West - 1 Block N of Maple
062313-A3		400	1.5	600	B					Plume East - Grant TS Parking
062313-A4		400	1.5	600	B					Maple School - West Fence Line
062313-A5		400	1.5	600	B					SE Corner - Bank St & East Main
062313-A6										Field Blank
062313-A7										Field Blank
Analyze by NIOSH 7402 Method										

Purchase Order Number
Turnaround Time

For Rush Turnaround
Sample Results Required Date
Time

Description of Shipment

7 Pieces Consisting of 1 of 1 Bags

Mode of Shipment
____ Commercial Carrier
X Courier
X Sampler Conveyed

Relinquished By (Sampler)	Date	Time	Received By	Type of Analysis	Sample Type	IWA = Inside
X Sealed	6/23/13	7:30 PM	Sealed / Unsealed	X PCM 7402 PCM 7400 TEM	P = Personal E = Excursion CL = Clearance	OWA = Outside B = Background BL = Field Blank

STAT Analysis Corporation:
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Tel. 312.733.0551; Fax: 312.733.2386; e-mail address: StatInfo@STATAnalysis.com

ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

NIOSH 7402

Weston Solutions, Inc (Vernon Hills)
750 East Bunker Court Suite 500
Vernon Hills, Il 600611865
Phone: (847) 918-4030
Fax: (847) 918-4055

STAT Batch: 307631
Project Name: JR Tire Survey
Project Number: 20405.012.001.2196
Average G.O. 0.01301 mm^2

Date Received: 6/24/13
Date Analyzed: 6/24/13
Date Reported: 6/24/13

Laboratory Sample Number	Client Sample Number	Volume (Liters)	Grid Openings Counted	Asbestos Fibers ≥5um and type	Total Fibers ≥5um	PCM Fibers (cc)	PCM Fibers (mm2)	Asbestos Fibers 7402 (cc)	Asbestos Fibers 7402 (mm2)
307631-001	062313-A1	600	20	0	2	0.0025	3.8	≤ 0.0027	≤ 7.0
307631-002	062313-A2	600	20	0	3	0.0033	5.1	≤ 0.0027	≤ 7.0
307631-003	062313-A3	600	20	0	4	0.0029	4.5	≤ 0.0027	≤ 7.0
307631-004	062313-A4	600	20	0	0	0.0016	2.5	≤ 0.0027	≤ 7.0
307631-005	062313-A5	600	20	0	2	0.0008	1.3	≤ 0.0027	≤ 7.0
307631-006	062313-A6	0	20	0	0		≤ 7.0		≤ 7.0
307631-007	062313-A7	0	20	0	0		≤ 7.0		≤ 7.0

Analyzed By:
Date: 6/24/2013

STAT Analysis Corporation:
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Tel. 312.733.0551; Fax: 312.733.2386; e-mail address: StatInfo@STATAnalysis.com

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Vernon Hills, Il 600611865
Phone: (847) 918-4030
Fax: (847) 918-4055

STAT Batch: 307631
Project Name: JR Tire Survey
Project Number: 20405.012.001.2196
Average G.O. 0.01301 mm^2

Date Received: 6/24/13
Date Analyzed: 6/24/13
Date Reported: 6/24/13

Laboratory Sample Number	Client Sample Number	Volume (Liters)	Grid Openings Counted	Asbestos Fibers >5um and type	Total Fibers >5um	PCM Fibers (cc)	PCM Fibers (mm2)	Asbestos Fibers 7402 (cc)	Asbestos Fibers 7402 (mm2)
307624-001	062313-A1	600	20	0	2	0.0025	3.8	≤ 0.0027	≤ 7.0
307624-002	062313-A2	600	20	0	3	0.0033	5.1	≤ 0.0027	≤ 7.0
307624-003	062313-A3	600	20	0	4	0.0029	4.5	≤ 0.0027	≤ 7.0
307624-004	062313-A4	600	20	0	0	0.0016	2.5	≤ 0.0027	≤ 7.0
307624-005	062313-A5	600	20	0	2	0.0008	1.3	≤ 0.0027	≤ 7.0
307624-006	062313-A6	0	20	0	0		≤ 7.0		≤ 7.0
307624-007	062313-A7	0	20	0	0		≤ 7.0		≤ 7.0

ag 6/24/13

Analyzed By: [signature]
Date: 6/24/2013

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
AIHA Accreditation # 101160

PHASE CONTRAST MICROSCOPY

Method: NIOSH 7400, Fourth Edition 8/15/94

Weston Solutions, Inc. (Vernon Hills)
750 East Bunker Court Suite 500
Vernon Hills, IL 600611865
(847) 918-4030
(847) 918-4055

Reference: 20405.012.001.2196
Location: JR Tire Survey
Batch No.: 307631
Customer No.: 2342

Date Received: 06/24/2013
Date Analyzed: 06/24/2013
Date Reported: 06/24/2013
Turn Around Time: 1 Day

Laboratory Sample Number	Customer Sample Number	Volume (L)	Fibers	Number of Fields	Calculated Result F/cc	Calculated Result F/mm²	Reported Result
307631001	062313-A1	600	3	100	0.0025	3.8	< 0.0045 F/cc
307631002	062313-A2	600	4	100	0.0033	5.1	< 0.0045 F/cc
307631003	062313-A3	600	3.5	100	0.0029	4.5	< 0.0045 F/cc
307631004	062313-A4	600	2	100	0.0016	2.5	< 0.0045 F/cc
307631005	062313-A5	600	1	100	0.0008	1.3	< 0.0045 F/cc
307631006	062313-A6	0	0	100		< 7	< 7 F/mm²
307631007	062313-A7	0	0	100		< 7	< 7 F/mm²

STAT Analysis Laboratory Sr Values: 5-20 fibers/100 fields: 0.2343; >20-50 fibers/100 fields: 0.1360; >50-100 fibers/100 fields: 0.1324; >100 fibers/100 fields: 0.3153

LOD = 7 fibers/mm² or 0.0027 fibers/cc for 1000 Liter sample volume. All results are field blank corrected, when applicable.

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Signature :

Valentina Shimal / Microscopist

Date: 06/24/2013

Professional Environmental Engineers
500 S Ewing Building B Suite E, St. Louis MO 63103
Phone: (314) 531-0060
Fax:(314) 531-0068

307631

Chain of Custody
Asbestos Air Samples

Sampler:	Name of Survey:	Date of Collection:	Project #	Sheet
Bill Pietroburgo	JR Tire Survey	6-23-13	20405.012.001.2196	1

Sample Number	Lab Sample Number	Time	Flow Rate	Volume	Sample Type	Fibers	Fields	fibers/mm2	Results f/cc	Sample Description (Location)
062313-A1		400	1.5	600	B					715 1st Ave - Apartments
062313-A2		400	1.5	600	B					Plume West - 1 Block N of Maple
062313-A3		400	1.5	600	B					Plume East - Grant TS Parking
062313-A4		400	1.5	600	B					Maple School - West Fence Line
062313-A5		400	1.5	600	B					SE Corner - Bank St & East Main
062313-A6										Field Blank
062313-A7										Field Blank

Analyze by NIOSH 7402 Method

Purchase Order Number
Turnaround Time

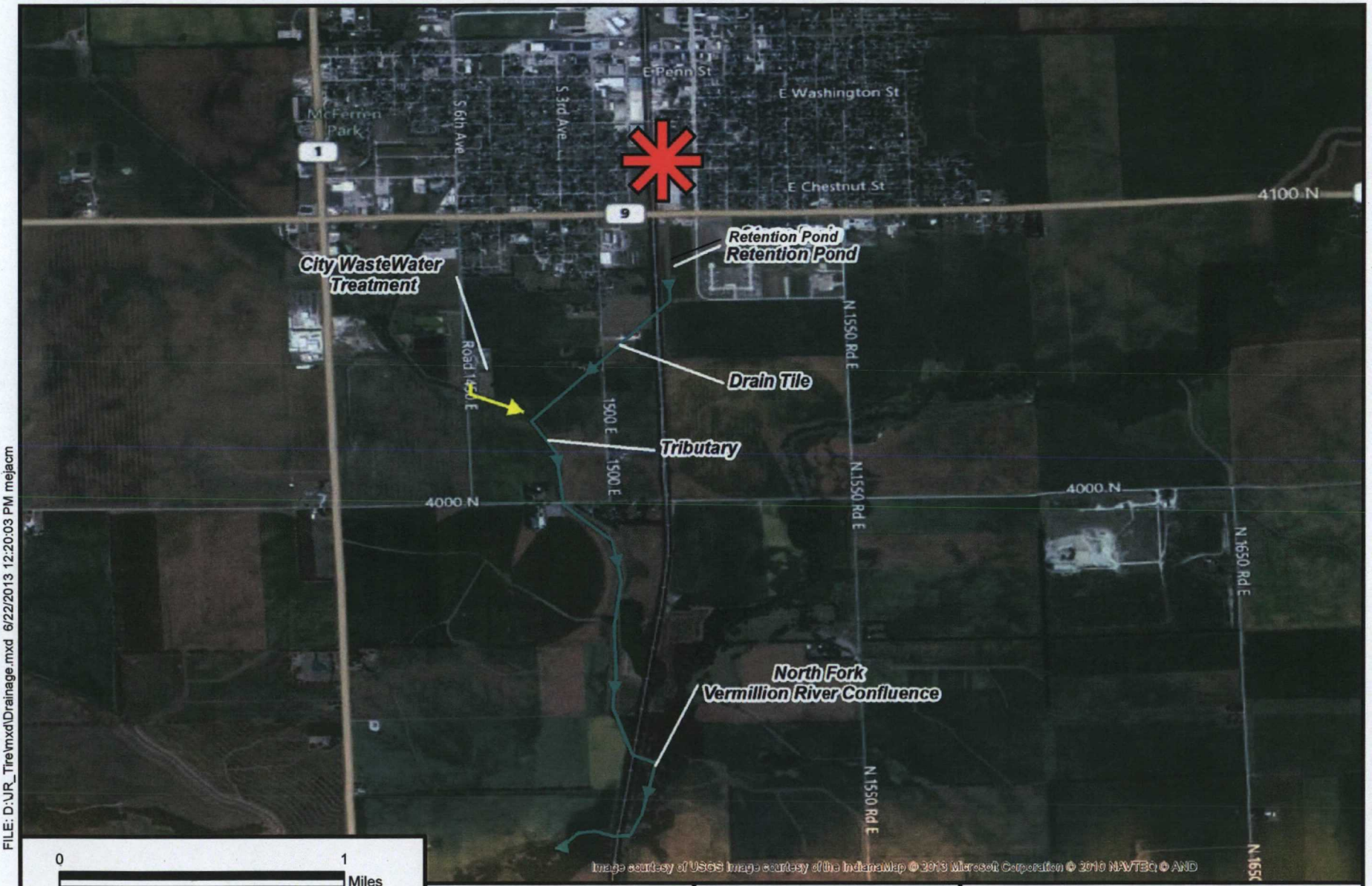
For Rush Turnaround
Sample Results Required Date
Time

Description of Shipment

7 Pieces Consisting of 1 of 1 Bags

Mode of Shipment
Commercial Carrier
X Courier
X Sampler Conveyed

Relinquished By (Sampler)	Date	Time	Received By	Type of Analysis	Sample Type	IWA = Inside
X Sealed	6/23/13	7:30 PM	Sealed / Unsealed	X PCM 7402 PCM 7400 TEM	P = Personal E = Excursion CL = Clearance	OWA = Outside B = Background BL = Field Blank



FILE: D:\JR_Tire\mxd\Drainage.mxd 6/22/2013 12:20:03 PM mejacm

0 1 Miles

N

Legend

Fire Location

Wind Direction

Prepared for:
U.S. EPA REGION V

Contract No.: EP-S5-06-04
TDD:
DCN:

Prepared By:
WESTON SOLUTIONS, INC

Figure 2
Drainage System Diagram
Markup from Mayor