

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-78136-1

Client Project/Site: Cabot

For:

Weston Solutions, Inc.

94072 Summer Breeze Drive

Fernandina Beach, Florida 32034

Attn: Mr. Mark Taylor



Authorized for release by:

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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.

# Table of Contents

Cover Page .....	1
Table of Contents .....	2
Case Narrative .....	3
Sample Summary .....	6
Method Summary .....	7
Definitions .....	8
Detection Summary .....	9
Client Sample Results .....	11
QC Sample Results .....	25
QC Association .....	41
Chain of Custody .....	44
Receipt Checklists .....	45
Certification Summary .....	46

## Case Narrative

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

**Job ID: 680-78136-1**

**Laboratory: TestAmerica Savannah**

Narrative

### CASE NARRATIVE

**Client: Weston Solutions, Inc.**

**Project: Cabot**

**Report Number: 680-78136-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

#### **RECEIPT**

The samples were received on 03/30/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was C.

#### **VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples HG-30S (680-78136-2), HG-29S (680-78136-3), Equipment Blank (680-78136-4), HG-28S (680-78136-6) and Trip Blank (680-78136-7) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/11/2012.

Headspace was observed in sample vials for volatile analysis.

The following sample(s) submitted for volatiles analysis was received with insufficient preservation (pH >2): HG-29S (680-78136-3), HG-30S (680-78136-2).

Samples HG-30S (680-78136-2)[100X], HG-29S (680-78136-3)[100X] and HG-28S (680-78136-6)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The trip blank and equipment blank associated with these samples contained a detection above 1/2 the reporting limit (RL for the following analyte: acetone).

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

#### **SEMOVOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples HG-30S (680-78136-2), HG-29S (680-78136-3), Equipment Blank (680-78136-4) and HG-28S (680-78136-6) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/03/2012 and analyzed on 04/05/2012.

Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: (680-78136-6 MS), (680-78136-6 MSD), HG-28S (680-78136-6), HG-29S (680-78136-3), HG-30S (680-78136-2). The reporting limits (RLs) are elevated proportionately.

## Case Narrative

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

### Job ID: 680-78136-1 (Continued)

#### Laboratory: TestAmerica Savannah (Continued)

Samples HG-30S (680-78136-2)[50X], HG-29S (680-78136-3)[50X] and HG-28S (680-78136-6)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Bis(chloroisopropyl) ether failed the recovery criteria low for LCS 680-233167/10-A. Refer to the QC report for details.

2,4-Dimethylphenol, 2-Methylphenol, 3 & 4 Methylphenol and Phenol exceeded the recovery criteria high for the MS of sample HG-28SMS (680-78136-6) in batch 680-233510.

Several analytes recovered outside the recovery criteria low for the MSD of sample HG-28SMSD (680-78136-6) in batch 680-233510. Benzo[g,h,i]perylene exceeded the rpd limit.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

#### DISSOLVED METALS (ICP)

Samples HG-30S (680-78136-2), HG-29S (680-78136-3) and HG-28S (680-78136-6) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 04/06/2012 and analyzed on 04/09/2012.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

#### TOTAL RECOVERABLE METALS (ICP)

Samples HG-30S (680-78136-2), HG-29S (680-78136-3), Equipment Blank (680-78136-4) and HG-28S (680-78136-6) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 04/06/2012 and analyzed on 04/09/2012.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

#### ALKALINITY

Samples HG-30S (680-78136-2), HG-29S (680-78136-3) and HG-28S (680-78136-6) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 04/07/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

#### ANIONS BY IC

Samples HG-30S (680-78136-2), HG-29S (680-78136-3) and HG-28S (680-78136-6) were analyzed for Anions by IC in accordance with EPA Method 300.0. The samples were analyzed on 03/31/2012.

Samples HG-30S (680-78136-2)[100X], HG-29S (680-78136-3)[100X] and HG-28S (680-78136-6)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Anions analyses.

## Case Narrative

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

### Job ID: 680-78136-1 (Continued)

#### Laboratory: TestAmerica Savannah (Continued)

All quality control parameters were within the acceptance limits.

#### ANIONS (NITRATE/NITRITE)

Samples HG-30S (680-78136-2), HG-29S (680-78136-3), ITW-4 (680-78136-5) and HG-28S (680-78136-6) were analyzed for Anions (Nitrate/Nitrite) in accordance with EPA Method 300.0. The samples were analyzed on 03/30/2012.

Samples HG-30S (680-78136-2)[100X], HG-29S (680-78136-3)[25X], ITW-4 (680-78136-5)[5X] and HG-28S (680-78136-6)[25X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Anions analyses.

All quality control parameters were within the acceptance limits.

#### CHEMICAL OXYGEN DEMAND

Samples HG-30S (680-78136-2), HG-29S (680-78136-3) and HG-28S (680-78136-6) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 04/09/2012.

Samples HG-30S (680-78136-2)[50X], HG-29S (680-78136-3)[50X] and HG-28S (680-78136-6)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

#### SULFIDE

Sample ITW-9 (680-78136-1) was analyzed for sulfide in accordance with SM 4500 S2 F. The samples were analyzed on 04/04/2012.

No difficulties were encountered during the sulfide analysis.

All quality control parameters were within the acceptance limits.

## Sample Summary

Client: Weston Solutions, Inc.

Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-78136-1	ITW-9	Water	03/29/12 09:00	03/30/12 09:04
680-78136-2	HG-30S	Water	03/29/12 11:30	03/30/12 09:04
680-78136-3	HG-29S	Water	03/29/12 14:30	03/30/12 09:04
680-78136-4	Equipment Blank	Water	03/29/12 17:00	03/30/12 09:04
680-78136-5	ITW-4	Water	03/29/12 10:00	03/30/12 09:04
680-78136-6	HG-28S	Water	03/29/12 16:30	03/30/12 09:04
680-78136-7	Trip Blank	Water	03/29/12 00:00	03/30/12 09:04

## Method Summary

Client: Weston Solutions, Inc.

Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
6010B	Metals (ICP)	SW846	TAL SAV
300.0	Anions, Ion Chromatography	MCAWW	TAL SAV
410.4	COD	MCAWW	TAL SAV
SM 2320B	Alkalinity	SM	TAL SAV
SM 4500 S2 F	Sulfide, Total	SM	TAL SAV

### Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

### Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

## Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

### Qualifiers

#### GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
*	LCS or LCSD exceeds the control limits
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	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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Detection Summary

Client: Weston Solutions, Inc.

Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

**Client Sample ID: ITW-9**

**Lab Sample ID: 680-78136-1**

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	6.4		1.0		mg/L	1		SM 4500 S2 F	Total/NA

**Client Sample ID: HG-30S**

**Lab Sample ID: 680-78136-2**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15000		2500		ug/L	100		8260B	Total/NA
Benzene	250		100		ug/L	100		8260B	Total/NA
2-Butanone (MEK)	7800		1000		ug/L	100		8260B	Total/NA
Toluene	1000		100		ug/L	100		8260B	Total/NA
Phenol	64000		5200		ug/L	50		8270C	Total/NA
2-Methylphenol	18000		5200		ug/L	50		8270C	Total/NA
2,4-Dimethylphenol	9500		5200		ug/L	50		8270C	Total/NA
3 & 4 Methylphenol	46000		5200		ug/L	50		8270C	Total/NA
Aluminum	2200		1000		ug/L	1		6010B	Total Recovera
Calcium	1600000		2500		ug/L	1		6010B	Total Recovera
Chromium	90		50		ug/L	1		6010B	Total Recovera
Iron	120000		250		ug/L	1		6010B	Total Recovera
Magnesium	750000		2500		ug/L	1		6010B	Total Recovera
Manganese	1700		50		ug/L	1		6010B	Total Recovera
Sodium	64000		5000		ug/L	1		6010B	Total Recovera
Aluminum, Dissolved	1800		1000		ug/L	1		6010B	Dissolved
Calcium, Dissolved	1700000		2500		ug/L	1		6010B	Dissolved
Chromium, Dissolved	74		50		ug/L	1		6010B	Dissolved
Iron, Dissolved	130000		250		ug/L	1		6010B	Dissolved
Magnesium, Dissolved	760000		2500		ug/L	1		6010B	Dissolved
Manganese, Dissolved	1800		50		ug/L	1		6010B	Dissolved
Sodium, Dissolved	64000		5000		ug/L	1		6010B	Dissolved
Chemical Oxygen Demand	23000		1000		mg/L	50		410.4	Total/NA

**Client Sample ID: HG-29S**

**Lab Sample ID: 680-78136-3**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17000		2500		ug/L	100		8260B	Total/NA
Benzene	390		100		ug/L	100		8260B	Total/NA
2-Butanone (MEK)	9800		1000		ug/L	100		8260B	Total/NA
Ethylbenzene	110		100		ug/L	100		8260B	Total/NA
Toluene	1900		100		ug/L	100		8260B	Total/NA
Xylenes, Total	250		200		ug/L	100		8260B	Total/NA
Phenol	51000		6000		ug/L	50		8270C	Total/NA
2-Methylphenol	17000		6000		ug/L	50		8270C	Total/NA
2,4-Dimethylphenol	11000		6000		ug/L	50		8270C	Total/NA
3 & 4 Methylphenol	42000		6000		ug/L	50		8270C	Total/NA
Aluminum	2900		1000		ug/L	1		6010B	Total Recovera
Calcium	1300000		2500		ug/L	1		6010B	Total Recovera
Chromium	69		50		ug/L	1		6010B	Total Recovera
Iron	180000		250		ug/L	1		6010B	Total Recovera
Magnesium	410000		2500		ug/L	1		6010B	Total Recovera
Manganese	3200		50		ug/L	1		6010B	Total Recovera
Potassium	10000		5000		ug/L	1		6010B	Total Recovera
Sodium	95000		5000		ug/L	1		6010B	Total Recovera
Aluminum, Dissolved	17000		1000		ug/L	1		6010B	Dissolved
Calcium, Dissolved	560000		2500		ug/L	1		6010B	Dissolved
Chromium, Dissolved	160		50		ug/L	1		6010B	Dissolved
Iron, Dissolved	57000		250		ug/L	1		6010B	Dissolved

## Detection Summary

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

### Client Sample ID: HG-29S (Continued)

### Lab Sample ID: 680-78136-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium, Dissolved	130000		2500		ug/L	1		6010B	Dissolved
Manganese, Dissolved	1300		50		ug/L	1		6010B	Dissolved
Potassium, Dissolved	8500		5000		ug/L	1		6010B	Dissolved
Sodium, Dissolved	62000		5000		ug/L	1		6010B	Dissolved
Sulfate	150		100		mg/L	100		300.0	Total/NA
Chemical Oxygen Demand	24000		1000		mg/L	50		410.4	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Alkalinity	1400		5.0		mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO <sub>3</sub>	1400		5.0		mg/L	1		SM 2320B	Total/NA

### Client Sample ID: Equipment Blank

### Lab Sample ID: 680-78136-4

No Detections

### Client Sample ID: ITW-4

### Lab Sample ID: 680-78136-5

No Detections

### Client Sample ID: HG-28S

### Lab Sample ID: 680-78136-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	20000		2500		ug/L	100		8260B	Total/NA
Benzene	210		100		ug/L	100		8260B	Total/NA
2-Butanone (MEK)	7600		1000		ug/L	100		8260B	Total/NA
Toluene	880		100		ug/L	100		8260B	Total/NA
Phenol	61000		10000		ug/L	50		8270C	Total/NA
2-Methylphenol	17000		10000		ug/L	50		8270C	Total/NA
3 & 4 Methylphenol	37000		10000		ug/L	50		8270C	Total/NA
Aluminum	20000		1000		ug/L	1		6010B	Total Recovera
Calcium	640000		2500		ug/L	1		6010B	Total Recovera
Chromium	180		50		ug/L	1		6010B	Total Recovera
Iron	66000		250		ug/L	1		6010B	Total Recovera
Magnesium	150000		2500		ug/L	1		6010B	Total Recovera
Manganese	1500		50		ug/L	1		6010B	Total Recovera
Potassium	9700		5000		ug/L	1		6010B	Total Recovera
Sodium	70000		5000		ug/L	1		6010B	Total Recovera
Aluminum, Dissolved	2700		1000		ug/L	1		6010B	Dissolved
Calcium, Dissolved	1400000		2500		ug/L	1		6010B	Dissolved
Chromium, Dissolved	70		50		ug/L	1		6010B	Dissolved
Iron, Dissolved	170000		250		ug/L	1		6010B	Dissolved
Magnesium, Dissolved	430000		2500		ug/L	1		6010B	Dissolved
Manganese, Dissolved	3400		50		ug/L	1		6010B	Dissolved
Potassium, Dissolved	11000		5000		ug/L	1		6010B	Dissolved
Sodium, Dissolved	100000		5000		ug/L	1		6010B	Dissolved
Sulfate	180		100		mg/L	100		300.0	Total/NA
Chemical Oxygen Demand	22000		1000		mg/L	50		410.4	Total/NA

### Client Sample ID: Trip Blank

### Lab Sample ID: 680-78136-7

No Detections

# Client Sample Results

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-78136-1

Project/Site: Cabot

**Client Sample ID: ITW-9**

Date Collected: 03/29/12 09:00

Date Received: 03/30/12 09:04

**Lab Sample ID: 680-78136-1**

Matrix: Water

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	6.4		1.0		mg/L			04/04/12 16:34	1

**Client Sample ID: HG-30S**

Date Collected: 03/29/12 11:30

Date Received: 03/30/12 09:04

**Lab Sample ID: 680-78136-2**

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	15000		2500		ug/L			04/11/12 15:22	100
Benzene	250		100		ug/L			04/11/12 15:22	100
Bromoform	<100		100		ug/L			04/11/12 15:22	100
Bromomethane	<100		100		ug/L			04/11/12 15:22	100
2-Butanone (MEK)	7800		1000		ug/L			04/11/12 15:22	100
Carbon disulfide	<200		200		ug/L			04/11/12 15:22	100
Carbon tetrachloride	<100		100		ug/L			04/11/12 15:22	100
Chlorobenzene	<100		100		ug/L			04/11/12 15:22	100
Chlorodibromomethane	<100		100		ug/L			04/11/12 15:22	100
Chloroethane	<100		100		ug/L			04/11/12 15:22	100
Chloroform	<100		100		ug/L			04/11/12 15:22	100
Chloromethane	<100		100		ug/L			04/11/12 15:22	100
cis-1,3-Dichloropropene	<100		100		ug/L			04/11/12 15:22	100
Dichlorobromomethane	<100		100		ug/L			04/11/12 15:22	100
1,1-Dichloroethane	<100		100		ug/L			04/11/12 15:22	100
1,2-Dichloroethane	<100		100		ug/L			04/11/12 15:22	100
1,1-Dichloroethene	<100		100		ug/L			04/11/12 15:22	100
1,2-Dichloropropane	<100		100		ug/L			04/11/12 15:22	100
Ethylbenzene	<100		100		ug/L			04/11/12 15:22	100
2-Hexanone	<1000		1000		ug/L			04/11/12 15:22	100
Methylene Chloride	<500		500		ug/L			04/11/12 15:22	100
4-Methyl-2-pentanone (MIBK)	<1000		1000		ug/L			04/11/12 15:22	100
Styrene	<100		100		ug/L			04/11/12 15:22	100
1,1,2,2-Tetrachloroethane	<100		100		ug/L			04/11/12 15:22	100
Tetrachloroethene	<100		100		ug/L			04/11/12 15:22	100
Toluene	1000		100		ug/L			04/11/12 15:22	100
trans-1,2-Dichloroethene	<100		100		ug/L			04/11/12 15:22	100
trans-1,3-Dichloropropene	<100		100		ug/L			04/11/12 15:22	100
1,1,1-Trichloroethane	<100		100		ug/L			04/11/12 15:22	100
1,1,2-Trichloroethane	<100		100		ug/L			04/11/12 15:22	100
Trichloroethene	<100		100		ug/L			04/11/12 15:22	100
Vinyl chloride	<100		100		ug/L			04/11/12 15:22	100
Xylenes, Total	<200		200		ug/L			04/11/12 15:22	100

## Surrogate

	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109		70 - 130			100
Dibromofluoromethane	99		70 - 130			100
Toluene-d8 (Surrogate)	103		70 - 130			100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	64000		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Bis(2-chloroethyl)ether	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50

# Client Sample Results

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-78136-1

Project/Site: Cabot

**Client Sample ID: HG-30S**

**Lab Sample ID: 680-78136-2**

Date Collected: 03/29/12 11:30

Matrix: Water

Date Received: 03/30/12 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
1,3-Dichlorobenzene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
1,4-Dichlorobenzene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
1,2-Dichlorobenzene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
<b>2-Methylphenol</b>	<b>18000</b>		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
N-Nitrosodi-n-propylamine	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Hexachloroethane	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Nitrobenzene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Isophorone	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
2-Nitrophenol	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
<b>2,4-Dimethylphenol</b>	<b>9500</b>		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Bis(2-chloroethoxy)methane	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
2,4-Dichlorophenol	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
1,2,4-Trichlorobenzene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Naphthalene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
4-Chloroaniline	<10000		10000		ug/L		04/03/12 15:07	04/05/12 18:12	50
Hexachlorobutadiene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
4-Chloro-3-methylphenol	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
2-Methylnaphthalene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Hexachlorocyclopentadiene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
2,4,6-Trichlorophenol	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
2,4,5-Trichlorophenol	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
2-Chloronaphthalene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
2-Nitroaniline	<26000		26000		ug/L		04/03/12 15:07	04/05/12 18:12	50
Dimethyl phthalate	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Acenaphthylene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
3-Nitroaniline	<26000		26000		ug/L		04/03/12 15:07	04/05/12 18:12	50
Acenaphthene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
2,4-Dinitrophenol	<26000		26000		ug/L		04/03/12 15:07	04/05/12 18:12	50
4-Nitrophenol	<26000		26000		ug/L		04/03/12 15:07	04/05/12 18:12	50
Dibenzofuran	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
2,4-Dinitrotoluene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
2,6-Dinitrotoluene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
<b>3 &amp; 4 Methylphenol</b>	<b>46000</b>		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Diethyl phthalate	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
4-Chlorophenyl phenyl ether	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Fluorene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
4-Nitroaniline	<26000		26000		ug/L		04/03/12 15:07	04/05/12 18:12	50
4,6-Dinitro-2-methylphenol	<26000		26000		ug/L		04/03/12 15:07	04/05/12 18:12	50
N-Nitrosodiphenylamine	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
4-Bromophenyl phenyl ether	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Hexachlorobenzene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Pentachlorophenol	<26000		26000		ug/L		04/03/12 15:07	04/05/12 18:12	50
Phenanthrene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Anthracene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Di-n-butyl phthalate	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Fluoranthene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Pyrene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Butyl benzyl phthalate	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
3,3'-Dichlorobenzidine	<31000		31000		ug/L		04/03/12 15:07	04/05/12 18:12	50
Benzo[a]anthracene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50

# Client Sample Results

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-78136-1

Project/Site: Cabot

**Client Sample ID: HG-30S**

**Lab Sample ID: 680-78136-2**

Date Collected: 03/29/12 11:30

Matrix: Water

Date Received: 03/30/12 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Chrysene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Di-n-octyl phthalate	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Benzo[b]fluoranthene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Benzo[k]fluoranthene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Benzo[a]pyrene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Indeno[1,2,3-cd]pyrene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Dibenz(a,h)anthracene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Benzo[g,h,i]perylene	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
Carbazole	<5200		5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
bis(chloroisopropyl) ether	<5200	*	5200		ug/L		04/03/12 15:07	04/05/12 18:12	50
<hr/>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Phenol-d5	0	D	25 - 130				04/03/12 15:07	04/05/12 18:12	50
2-Fluorophenol	0	D	25 - 130				04/03/12 15:07	04/05/12 18:12	50
2,4,6-Tribromophenol	0	D	31 - 141				04/03/12 15:07	04/05/12 18:12	50
Nitrobenzene-d5	0	D	39 - 130				04/03/12 15:07	04/05/12 18:12	50
2-Fluorobiphenyl	0	D	38 - 130				04/03/12 15:07	04/05/12 18:12	50
Terphenyl-d14	0	D	10 - 143				04/03/12 15:07	04/05/12 18:12	50

## Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>2200</b>		1000		ug/L		04/06/12 12:55	04/09/12 22:29	1
Antimony	<100		100		ug/L		04/06/12 12:55	04/09/12 22:29	1
Arsenic	<100		100		ug/L		04/06/12 12:55	04/09/12 22:29	1
Beryllium	<20		20		ug/L		04/06/12 12:55	04/09/12 22:29	1
Cadmium	<25		25		ug/L		04/06/12 12:55	04/09/12 22:29	1
<b>Calcium</b>	<b>1600000</b>		2500		ug/L		04/06/12 12:55	04/09/12 22:29	1
<b>Chromium</b>	<b>90</b>		50		ug/L		04/06/12 12:55	04/09/12 22:29	1
<b>Iron</b>	<b>120000</b>		250		ug/L		04/06/12 12:55	04/09/12 22:29	1
Lead	<50		50		ug/L		04/06/12 12:55	04/09/12 22:29	1
<b>Magnesium</b>	<b>750000</b>		2500		ug/L		04/06/12 12:55	04/09/12 22:29	1
<b>Manganese</b>	<b>1700</b>		50		ug/L		04/06/12 12:55	04/09/12 22:29	1
Potassium	<5000		5000		ug/L		04/06/12 12:55	04/09/12 22:29	1
<b>Sodium</b>	<b>64000</b>		5000		ug/L		04/06/12 12:55	04/09/12 22:29	1

## Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum, Dissolved</b>	<b>1800</b>		1000		ug/L		04/06/12 12:55	04/09/12 22:24	1
Antimony, Dissolved	<100		100		ug/L		04/06/12 12:55	04/09/12 22:24	1
Arsenic, Dissolved	<100		100		ug/L		04/06/12 12:55	04/09/12 22:24	1
Beryllium, Dissolved	<20		20		ug/L		04/06/12 12:55	04/09/12 22:24	1
Cadmium, Dissolved	<25		25		ug/L		04/06/12 12:55	04/09/12 22:24	1
<b>Calcium, Dissolved</b>	<b>1700000</b>		2500		ug/L		04/06/12 12:55	04/09/12 22:24	1
<b>Chromium, Dissolved</b>	<b>74</b>		50		ug/L		04/06/12 12:55	04/09/12 22:24	1
<b>Iron, Dissolved</b>	<b>130000</b>		250		ug/L		04/06/12 12:55	04/09/12 22:24	1
Lead, Dissolved	<50		50		ug/L		04/06/12 12:55	04/09/12 22:24	1
<b>Magnesium, Dissolved</b>	<b>760000</b>		2500		ug/L		04/06/12 12:55	04/09/12 22:24	1
<b>Manganese, Dissolved</b>	<b>1800</b>		50		ug/L		04/06/12 12:55	04/09/12 22:24	1
Potassium, Dissolved	<5000		5000		ug/L		04/06/12 12:55	04/09/12 22:24	1
<b>Sodium, Dissolved</b>	<b>64000</b>		5000		ug/L		04/06/12 12:55	04/09/12 22:24	1

# Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

**Client Sample ID: HG-30S**

Date Collected: 03/29/12 11:30

Date Received: 03/30/12 09:04

**Lab Sample ID: 680-78136-2**

Matrix: Water

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<100		100		mg/L			03/31/12 17:06	100
Nitrate as N	<5.0		5.0		mg/L			03/30/12 13:11	100
Chloride	<100		100		mg/L			03/31/12 17:06	100
Sulfate	<100		100		mg/L			03/31/12 17:06	100
<b>Chemical Oxygen Demand</b>	<b>23000</b>		1000		mg/L			04/09/12 14:25	50
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<5.0		5.0		mg/L			04/07/12 17:47	1
Bicarbonate Alkalinity as CaCO <sub>3</sub>	<5.0		5.0		mg/L			04/07/12 17:47	1
Carbonate Alkalinity as CaCO <sub>3</sub>	<5.0		5.0		mg/L			04/07/12 17:47	1

**Client Sample ID: HG-29S**

Date Collected: 03/29/12 14:30

Date Received: 03/30/12 09:04

**Lab Sample ID: 680-78136-3**

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Acetone</b>	<b>17000</b>		2500		ug/L			04/11/12 17:31	100
<b>Benzene</b>	<b>390</b>		100		ug/L			04/11/12 17:31	100
Bromoform	<100		100		ug/L			04/11/12 17:31	100
Bromomethane	<100		100		ug/L			04/11/12 17:31	100
<b>2-Butanone (MEK)</b>	<b>9800</b>		1000		ug/L			04/11/12 17:31	100
Carbon disulfide	<200		200		ug/L			04/11/12 17:31	100
Carbon tetrachloride	<100		100		ug/L			04/11/12 17:31	100
Chlorobenzene	<100		100		ug/L			04/11/12 17:31	100
Chlorodibromomethane	<100		100		ug/L			04/11/12 17:31	100
Chloroethane	<100		100		ug/L			04/11/12 17:31	100
Chloroform	<100		100		ug/L			04/11/12 17:31	100
Chloromethane	<100		100		ug/L			04/11/12 17:31	100
cis-1,3-Dichloropropene	<100		100		ug/L			04/11/12 17:31	100
Dichlorobromomethane	<100		100		ug/L			04/11/12 17:31	100
1,1-Dichloroethane	<100		100		ug/L			04/11/12 17:31	100
1,2-Dichloroethane	<100		100		ug/L			04/11/12 17:31	100
1,1-Dichloroethene	<100		100		ug/L			04/11/12 17:31	100
1,2-Dichloropropane	<100		100		ug/L			04/11/12 17:31	100
<b>Ethylbenzene</b>	<b>110</b>		100		ug/L			04/11/12 17:31	100
2-Hexanone	<1000		1000		ug/L			04/11/12 17:31	100
Methylene Chloride	<500		500		ug/L			04/11/12 17:31	100
4-Methyl-2-pentanone (MIBK)	<1000		1000		ug/L			04/11/12 17:31	100
Styrene	<100		100		ug/L			04/11/12 17:31	100
1,1,2,2-Tetrachloroethane	<100		100		ug/L			04/11/12 17:31	100
Tetrachloroethene	<100		100		ug/L			04/11/12 17:31	100
<b>Toluene</b>	<b>1900</b>		100		ug/L			04/11/12 17:31	100
trans-1,2-Dichloroethene	<100		100		ug/L			04/11/12 17:31	100
trans-1,3-Dichloropropene	<100		100		ug/L			04/11/12 17:31	100
1,1,1-Trichloroethane	<100		100		ug/L			04/11/12 17:31	100
1,1,2-Trichloroethane	<100		100		ug/L			04/11/12 17:31	100
Trichloroethene	<100		100		ug/L			04/11/12 17:31	100
Vinyl chloride	<100		100		ug/L			04/11/12 17:31	100
<b>Xylenes, Total</b>	<b>250</b>		200		ug/L			04/11/12 17:31	100

# Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

**Client Sample ID: HG-29S**

**Date Collected: 03/29/12 14:30**

**Date Received: 03/30/12 09:04**

**Lab Sample ID: 680-78136-3**

**Matrix: Water**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		04/11/12 17:31	100
Dibromofluoromethane	101		70 - 130		04/11/12 17:31	100
Toluene-d8 (Surrogate)	98		70 - 130		04/11/12 17:31	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Phenol</b>	<b>51000</b>		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Bis(2-chloroethyl)ether	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
2-Chlorophenol	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
1,3-Dichlorobenzene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
1,4-Dichlorobenzene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
1,2-Dichlorobenzene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
<b>2-Methylphenol</b>	<b>17000</b>		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
N-Nitrosodi-n-propylamine	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Hexachloroethane	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Nitrobenzene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Isophorone	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
2-Nitrophenol	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
<b>2,4-Dimethylphenol</b>	<b>11000</b>		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Bis(2-chloroethoxy)methane	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
2,4-Dichlorophenol	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
1,2,4-Trichlorobenzene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Naphthalene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
4-Chloroaniline	<12000		12000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Hexachlorobutadiene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
4-Chloro-3-methylphenol	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
2-Methylnaphthalene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Hexachlorocyclopentadiene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
2,4,6-Trichlorophenol	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
2,4,5-Trichlorophenol	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
2-Chloronaphthalene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
2-Nitroaniline	<30000		30000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Dimethyl phthalate	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Acenaphthylene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
3-Nitroaniline	<30000		30000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Acenaphthene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
2,4-Dinitrophenol	<30000		30000		ug/L		04/03/12 15:07	04/05/12 18:40	50
4-Nitrophenol	<30000		30000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Dibenzofuran	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
2,4-Dinitrotoluene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
2,6-Dinitrotoluene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
<b>3 &amp; 4 Methylphenol</b>	<b>42000</b>		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Diethyl phthalate	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
4-Chlorophenyl phenyl ether	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Fluorene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
4-Nitroaniline	<30000		30000		ug/L		04/03/12 15:07	04/05/12 18:40	50
4,6-Dinitro-2-methylphenol	<30000		30000		ug/L		04/03/12 15:07	04/05/12 18:40	50
N-Nitrosodiphenylamine	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
4-Bromophenyl phenyl ether	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Hexachlorobenzene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Pentachlorophenol	<30000		30000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Phenanthrene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50

# Client Sample Results

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-78136-1

Project/Site: Cabot

**Client Sample ID: HG-29S**

**Lab Sample ID: 680-78136-3**

Date Collected: 03/29/12 14:30

Matrix: Water

Date Received: 03/30/12 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Di-n-butyl phthalate	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Fluoranthene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Pyrene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Butyl benzyl phthalate	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
3,3'-Dichlorobenzidine	<36000		36000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Benzo[a]anthracene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Bis(2-ethylhexyl) phthalate	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Chrysene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Di-n-octyl phthalate	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Benzo[b]fluoranthene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Benzo[k]fluoranthene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Benzo[a]pyrene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Indeno[1,2,3-cd]pyrene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Dibenz(a,h)anthracene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Benzo[g,h,i]perylene	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Carbazole	<6000		6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
bis(chloroisopropyl) ether	<6000	*	6000		ug/L		04/03/12 15:07	04/05/12 18:40	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Phenol-d5	0	D	25 - 130				04/03/12 15:07	04/05/12 18:40	50
2-Fluorophenol	0	D	25 - 130				04/03/12 15:07	04/05/12 18:40	50
2,4,6-Tribromophenol	0	D	31 - 141				04/03/12 15:07	04/05/12 18:40	50
Nitrobenzene-d5	0	D	39 - 130				04/03/12 15:07	04/05/12 18:40	50
2-Fluorobiphenyl	0	D	38 - 130				04/03/12 15:07	04/05/12 18:40	50
Terphenyl-d14	0	D	10 - 143				04/03/12 15:07	04/05/12 18:40	50

## Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2900		1000		ug/L		04/06/12 13:03	04/09/12 22:39	1
Antimony	<100		100		ug/L		04/06/12 13:03	04/09/12 22:39	1
Arsenic	<100		100		ug/L		04/06/12 13:03	04/09/12 22:39	1
Beryllium	<20		20		ug/L		04/06/12 13:03	04/09/12 22:39	1
Cadmium	<25		25		ug/L		04/06/12 13:03	04/09/12 22:39	1
Calcium	1300000		2500		ug/L		04/06/12 13:03	04/09/12 22:39	1
Chromium	69		50		ug/L		04/06/12 13:03	04/09/12 22:39	1
Iron	180000		250		ug/L		04/06/12 13:03	04/09/12 22:39	1
Lead	<50		50		ug/L		04/06/12 13:03	04/09/12 22:39	1
Magnesium	410000		2500		ug/L		04/06/12 13:03	04/09/12 22:39	1
Manganese	3200		50		ug/L		04/06/12 13:03	04/09/12 22:39	1
Potassium	10000		5000		ug/L		04/06/12 13:03	04/09/12 22:39	1
Sodium	95000		5000		ug/L		04/06/12 13:03	04/09/12 22:39	1

## Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	17000		1000		ug/L		04/06/12 12:55	04/09/12 22:34	1
Antimony, Dissolved	<100		100		ug/L		04/06/12 12:55	04/09/12 22:34	1
Arsenic, Dissolved	<100		100		ug/L		04/06/12 12:55	04/09/12 22:34	1
Beryllium, Dissolved	<20		20		ug/L		04/06/12 12:55	04/09/12 22:34	1
Cadmium, Dissolved	<25		25		ug/L		04/06/12 12:55	04/09/12 22:34	1
Calcium, Dissolved	560000		2500		ug/L		04/06/12 12:55	04/09/12 22:34	1
Chromium, Dissolved	160		50		ug/L		04/06/12 12:55	04/09/12 22:34	1

# Client Sample Results

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-78136-1

Project/Site: Cabot

**Client Sample ID: HG-29S**

**Lab Sample ID: 680-78136-3**

Date Collected: 03/29/12 14:30

Matrix: Water

Date Received: 03/30/12 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	57000		250		ug/L		04/06/12 12:55	04/09/12 22:34	1
Lead, Dissolved	<50		50		ug/L		04/06/12 12:55	04/09/12 22:34	1
Magnesium, Dissolved	130000		2500		ug/L		04/06/12 12:55	04/09/12 22:34	1
Manganese, Dissolved	1300		50		ug/L		04/06/12 12:55	04/09/12 22:34	1
Potassium, Dissolved	8500		5000		ug/L		04/06/12 12:55	04/09/12 22:34	1
Sodium, Dissolved	62000		5000		ug/L		04/06/12 12:55	04/09/12 22:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<100		100		mg/L			03/31/12 17:18	100
Nitrate as N	<1.3		1.3		mg/L			03/30/12 13:26	25
Chloride	<100		100		mg/L			03/31/12 17:18	100
Sulfate	150		100		mg/L			03/31/12 17:18	100
Chemical Oxygen Demand	24000		1000		mg/L			04/09/12 14:25	50
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	1400		5.0		mg/L			04/07/12 18:06	1
Bicarbonate Alkalinity as CaCO <sub>3</sub>	1400		5.0		mg/L			04/07/12 18:06	1
Carbonate Alkalinity as CaCO <sub>3</sub>	<5.0		5.0		mg/L			04/07/12 18:06	1

**Client Sample ID: Equipment Blank**

**Lab Sample ID: 680-78136-4**

Date Collected: 03/29/12 17:00

Matrix: Water

Date Received: 03/30/12 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			04/11/12 13:27	1
Benzene	<1.0		1.0		ug/L			04/11/12 13:27	1
Bromoform	<1.0		1.0		ug/L			04/11/12 13:27	1
Bromomethane	<1.0		1.0		ug/L			04/11/12 13:27	1
2-Butanone (MEK)	<10		10		ug/L			04/11/12 13:27	1
Carbon disulfide	<2.0		2.0		ug/L			04/11/12 13:27	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/11/12 13:27	1
Chlorobenzene	<1.0		1.0		ug/L			04/11/12 13:27	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/11/12 13:27	1
Chloroethane	<1.0		1.0		ug/L			04/11/12 13:27	1
Chloroform	<1.0		1.0		ug/L			04/11/12 13:27	1
Chloromethane	<1.0		1.0		ug/L			04/11/12 13:27	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/11/12 13:27	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/11/12 13:27	1
1,1-Dichloroethane	<1.0		1.0		ug/L			04/11/12 13:27	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/11/12 13:27	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/11/12 13:27	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/11/12 13:27	1
Ethylbenzene	<1.0		1.0		ug/L			04/11/12 13:27	1
2-Hexanone	<10		10		ug/L			04/11/12 13:27	1
Methylene Chloride	<5.0		5.0		ug/L			04/11/12 13:27	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/11/12 13:27	1
Styrene	<1.0		1.0		ug/L			04/11/12 13:27	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/11/12 13:27	1
Tetrachloroethene	<1.0		1.0		ug/L			04/11/12 13:27	1
Toluene	<1.0		1.0		ug/L			04/11/12 13:27	1

# Client Sample Results

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-78136-1

Project/Site: Cabot

## Client Sample ID: Equipment Blank

**Lab Sample ID: 680-78136-4**

**Matrix: Water**

Date Collected: 03/29/12 17:00

Date Received: 03/30/12 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<1.0		1.0		ug/L		04/11/12 13:27		1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L		04/11/12 13:27		1
1,1,1-Trichloroethane	<1.0		1.0		ug/L		04/11/12 13:27		1
1,1,2-Trichloroethane	<1.0		1.0		ug/L		04/11/12 13:27		1
Trichloroethene	<1.0		1.0		ug/L		04/11/12 13:27		1
Vinyl chloride	<1.0		1.0		ug/L		04/11/12 13:27		1
Xylenes, Total	<2.0		2.0		ug/L		04/11/12 13:27		1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene	106			70 - 130			04/11/12 13:27		1
Dibromofluoromethane	98			70 - 130			04/11/12 13:27		1
Toluene-d8 (Surr)	104			70 - 130			04/11/12 13:27		1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
Bis(2-chloroethyl)ether	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
2-Chlorophenol	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
1,3-Dichlorobenzene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
1,4-Dichlorobenzene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
1,2-Dichlorobenzene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
2-Methylphenol	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
N-Nitrosodi-n-propylamine	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
Hexachloroethane	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
Nitrobenzene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
Isophorone	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
2-Nitrophenol	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
2,4-Dimethylphenol	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
Bis(2-chloroethoxy)methane	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
2,4-Dichlorophenol	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
1,2,4-Trichlorobenzene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
Naphthalene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
4-Chloroaniline	<22		22		ug/L		04/03/12 15:07	04/05/12 15:53	1
Hexachlorobutadiene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
4-Chloro-3-methylphenol	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
2-Methylnaphthalene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
Hexachlorocyclopentadiene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
2,4,6-Trichlorophenol	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
2,4,5-Trichlorophenol	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
2-Chloronaphthalene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
2-Nitroaniline	<55		55		ug/L		04/03/12 15:07	04/05/12 15:53	1
Dimethyl phthalate	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
Acenaphthylene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
3-Nitroaniline	<55		55		ug/L		04/03/12 15:07	04/05/12 15:53	1
Acenaphthene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
2,4-Dinitrophenol	<55		55		ug/L		04/03/12 15:07	04/05/12 15:53	1
4-Nitrophenol	<55		55		ug/L		04/03/12 15:07	04/05/12 15:53	1
Dibenzofuran	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
2,4-Dinitrotoluene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
2,6-Dinitrotoluene	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1
3 & 4 Methylphenol	<11		11		ug/L		04/03/12 15:07	04/05/12 15:53	1

# Client Sample Results

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-78136-1

Project/Site: Cabot

## Client Sample ID: Equipment Blank

**Lab Sample ID: 680-78136-4**

**Matrix: Water**

Date Collected: 03/29/12 17:00

Date Received: 03/30/12 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
4-Chlorophenyl phenyl ether	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Fluorene	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
4-Nitroaniline	<55		55		ug/L	04/03/12 15:07	04/05/12 15:53		1
4,6-Dinitro-2-methylphenol	<55		55		ug/L	04/03/12 15:07	04/05/12 15:53		1
N-Nitrosodiphenylamine	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
4-Bromophenyl phenyl ether	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Hexachlorobenzene	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Pentachlorophenol	<55		55		ug/L	04/03/12 15:07	04/05/12 15:53		1
Phenanthrone	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Anthracene	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Di-n-butyl phthalate	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Fluoranthene	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Pyrene	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Butyl benzyl phthalate	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
3,3'-Dichlorobenzidine	<66		66		ug/L	04/03/12 15:07	04/05/12 15:53		1
Benzo[a]anthracene	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Bis(2-ethylhexyl) phthalate	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Chrysene	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Di-n-octyl phthalate	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Benzo[b]fluoranthene	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Benzo[k]fluoranthene	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Benzo[a]pyrene	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Indeno[1,2,3-cd]pyrene	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Dibenz(a,h)anthracene	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Benzo[g,h,i]perylene	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
Carbazole	<11		11		ug/L	04/03/12 15:07	04/05/12 15:53		1
bis(chloroisopropyl) ether	<11	*	11		ug/L	04/03/12 15:07	04/05/12 15:53		1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	57		25 - 130	04/03/12 15:07	04/05/12 15:53	1
2-Fluorophenol	63		25 - 130	04/03/12 15:07	04/05/12 15:53	1
2,4,6-Tribromophenol	86		31 - 141	04/03/12 15:07	04/05/12 15:53	1
Nitrobenzene-d5	73		39 - 130	04/03/12 15:07	04/05/12 15:53	1
2-Fluorobiphenyl	74		38 - 130	04/03/12 15:07	04/05/12 15:53	1
Terphenyl-d14	79		10 - 143	04/03/12 15:07	04/05/12 15:53	1

### Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<200		200		ug/L	04/06/12 13:03	04/09/12 22:44		1
Antimony	<20		20		ug/L	04/06/12 13:03	04/09/12 22:44		1
Arsenic	<20		20		ug/L	04/06/12 13:03	04/09/12 22:44		1
Beryllium	<4.0		4.0		ug/L	04/06/12 13:03	04/09/12 22:44		1
Cadmium	<5.0		5.0		ug/L	04/06/12 13:03	04/09/12 22:44		1
Calcium	<500		500		ug/L	04/06/12 13:03	04/09/12 22:44		1
Chromium	<10		10		ug/L	04/06/12 13:03	04/09/12 22:44		1
Iron	<50		50		ug/L	04/06/12 13:03	04/09/12 22:44		1
Lead	<10		10		ug/L	04/06/12 13:03	04/09/12 22:44		1
Magnesium	<500		500		ug/L	04/06/12 13:03	04/09/12 22:44		1
Manganese	<10		10		ug/L	04/06/12 13:03	04/09/12 22:44		1
Potassium	<1000		1000		ug/L	04/06/12 13:03	04/09/12 22:44		1

# Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

## Client Sample ID: Equipment Blank

**Lab Sample ID: 680-78136-4**

Matrix: Water

Date Collected: 03/29/12 17:00

Date Received: 03/30/12 09:04

### Method: 6010B - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<1000		1000		ug/L		04/06/12 13:03	04/09/12 22:44	1

## Client Sample ID: ITW-4

**Lab Sample ID: 680-78136-5**

Matrix: Water

Date Collected: 03/29/12 10:00

Date Received: 03/30/12 09:04

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.25		0.25		mg/L			03/30/12 13:42	5

## Client Sample ID: HG-28S

**Lab Sample ID: 680-78136-6**

Matrix: Water

Date Collected: 03/29/12 16:30

Date Received: 03/30/12 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20000		2500		ug/L			04/11/12 16:19	100
Benzene	210		100		ug/L			04/11/12 16:19	100
Bromoform	<100		100		ug/L			04/11/12 16:19	100
Bromomethane	<100		100		ug/L			04/11/12 16:19	100
2-Butanone (MEK)	7600		1000		ug/L			04/11/12 16:19	100
Carbon disulfide	<200		200		ug/L			04/11/12 16:19	100
Carbon tetrachloride	<100		100		ug/L			04/11/12 16:19	100
Chlorobenzene	<100		100		ug/L			04/11/12 16:19	100
Chlorodibromomethane	<100		100		ug/L			04/11/12 16:19	100
Chloroethane	<100		100		ug/L			04/11/12 16:19	100
Chloroform	<100		100		ug/L			04/11/12 16:19	100
Chloromethane	<100		100		ug/L			04/11/12 16:19	100
cis-1,3-Dichloropropene	<100		100		ug/L			04/11/12 16:19	100
Dichlorobromomethane	<100		100		ug/L			04/11/12 16:19	100
1,1-Dichloroethane	<100		100		ug/L			04/11/12 16:19	100
1,2-Dichloroethane	<100		100		ug/L			04/11/12 16:19	100
1,1-Dichloroethene	<100		100		ug/L			04/11/12 16:19	100
1,2-Dichloropropane	<100		100		ug/L			04/11/12 16:19	100
Ethylbenzene	<100		100		ug/L			04/11/12 16:19	100
2-Hexanone	<1000		1000		ug/L			04/11/12 16:19	100
Methylene Chloride	<500		500		ug/L			04/11/12 16:19	100
4-Methyl-2-pentanone (MIBK)	<1000		1000		ug/L			04/11/12 16:19	100
Styrene	<100		100		ug/L			04/11/12 16:19	100
1,1,2,2-Tetrachloroethane	<100		100		ug/L			04/11/12 16:19	100
Tetrachloroethene	<100		100		ug/L			04/11/12 16:19	100
Toluene	880		100		ug/L			04/11/12 16:19	100
trans-1,2-Dichloroethene	<100		100		ug/L			04/11/12 16:19	100
trans-1,3-Dichloropropene	<100		100		ug/L			04/11/12 16:19	100
1,1,1-Trichloroethane	<100		100		ug/L			04/11/12 16:19	100
1,1,2-Trichloroethane	<100		100		ug/L			04/11/12 16:19	100
Trichloroethene	<100		100		ug/L			04/11/12 16:19	100
Vinyl chloride	<100		100		ug/L			04/11/12 16:19	100
Xylenes, Total	<200		200		ug/L			04/11/12 16:19	100
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene	109		70 - 130					04/11/12 16:19	100

# Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

**Client Sample ID: HG-28S**

**Date Collected: 03/29/12 16:30**

**Date Received: 03/30/12 09:04**

**Lab Sample ID: 680-78136-6**

**Matrix: Water**

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	98		70 - 130		04/11/12 16:19	100
Toluene-d8 (Surrogate)	103		70 - 130		04/11/12 16:19	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Phenol</b>	<b>61000</b>		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Bis(2-chloroethyl)ether	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
2-Chlorophenol	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
1,3-Dichlorobenzene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
1,4-Dichlorobenzene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
1,2-Dichlorobenzene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
<b>2-Methylphenol</b>	<b>17000</b>		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
N-Nitrosodi-n-propylamine	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Hexachloroethane	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Nitrobenzene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Isophorone	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
2-Nitrophenol	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
2,4-Dimethylphenol	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Bis(2-chloroethoxy)methane	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
2,4-Dichlorophenol	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
1,2,4-Trichlorobenzene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Naphthalene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
4-Chloroaniline	<20000		20000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Hexachlorobutadiene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
4-Chloro-3-methylphenol	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
2-Methylnaphthalene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Hexachlorocyclopentadiene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
2,4,6-Trichlorophenol	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
2,4,5-Trichlorophenol	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
2-Chloronaphthalene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
2-Nitroaniline	<50000		50000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Dimethyl phthalate	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Acenaphthylene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
3-Nitroaniline	<50000		50000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Acenaphthene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
2,4-Dinitrophenol	<50000		50000		ug/L		04/03/12 15:07	04/05/12 19:08	50
4-Nitrophenol	<50000		50000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Dibenzofuran	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
2,4-Dinitrotoluene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
2,6-Dinitrotoluene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
<b>3 &amp; 4 Methylphenol</b>	<b>37000</b>		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Diethyl phthalate	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
4-Chlorophenyl phenyl ether	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Fluorene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
4-Nitroaniline	<50000		50000		ug/L		04/03/12 15:07	04/05/12 19:08	50
4,6-Dinitro-2-methylphenol	<50000		50000		ug/L		04/03/12 15:07	04/05/12 19:08	50
N-Nitrosodiphenylamine	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
4-Bromophenyl phenyl ether	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Hexachlorobenzene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Pentachlorophenol	<50000		50000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Phenanthrene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50

# Client Sample Results

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-78136-1

Project/Site: Cabot

**Client Sample ID: HG-28S**

**Lab Sample ID: 680-78136-6**

Date Collected: 03/29/12 16:30

Matrix: Water

Date Received: 03/30/12 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Di-n-butyl phthalate	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Fluoranthene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Pyrene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Butyl benzyl phthalate	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
3,3'-Dichlorobenzidine	<60000		60000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Benzo[a]anthracene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Bis(2-ethylhexyl) phthalate	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Chrysene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Di-n-octyl phthalate	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Benzo[b]fluoranthene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Benzo[k]fluoranthene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Benzo[a]pyrene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Indeno[1,2,3-cd]pyrene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Dibenz(a,h)anthracene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Benzo[g,h,i]perylene	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
Carbazole	<10000		10000		ug/L		04/03/12 15:07	04/05/12 19:08	50
bis(chloroisopropyl) ether	<10000	*	10000		ug/L		04/03/12 15:07	04/05/12 19:08	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	0	D	25 - 130	04/03/12 15:07	04/05/12 19:08	50
2-Fluorophenol	0	D	25 - 130	04/03/12 15:07	04/05/12 19:08	50
2,4,6-Tribromophenol	0	D	31 - 141	04/03/12 15:07	04/05/12 19:08	50
Nitrobenzene-d5	0	D	39 - 130	04/03/12 15:07	04/05/12 19:08	50
2-Fluorobiphenyl	0	D	38 - 130	04/03/12 15:07	04/05/12 19:08	50
Terphenyl-d14	0	D	10 - 143	04/03/12 15:07	04/05/12 19:08	50

## Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20000		1000		ug/L		04/06/12 13:03	04/09/12 23:04	1
Antimony	<100		100		ug/L		04/06/12 13:03	04/09/12 23:04	1
Arsenic	<100		100		ug/L		04/06/12 13:03	04/09/12 23:04	1
Beryllium	<20		20		ug/L		04/06/12 13:03	04/09/12 23:04	1
Cadmium	<25		25		ug/L		04/06/12 13:03	04/09/12 23:04	1
Calcium	640000		2500		ug/L		04/06/12 13:03	04/09/12 23:04	1
Chromium	180		50		ug/L		04/06/12 13:03	04/09/12 23:04	1
Iron	66000		250		ug/L		04/06/12 13:03	04/09/12 23:04	1
Lead	<50		50		ug/L		04/06/12 13:03	04/09/12 23:04	1
Magnesium	150000		2500		ug/L		04/06/12 13:03	04/09/12 23:04	1
Manganese	1500		50		ug/L		04/06/12 13:03	04/09/12 23:04	1
Potassium	9700		5000		ug/L		04/06/12 13:03	04/09/12 23:04	1
Sodium	70000		5000		ug/L		04/06/12 13:03	04/09/12 23:04	1

## Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	2700		1000		ug/L		04/06/12 13:03	04/09/12 22:49	1
Antimony, Dissolved	<100		100		ug/L		04/06/12 13:03	04/09/12 22:49	1
Arsenic, Dissolved	<100		100		ug/L		04/06/12 13:03	04/09/12 22:49	1
Beryllium, Dissolved	<20		20		ug/L		04/06/12 13:03	04/09/12 22:49	1
Cadmium, Dissolved	<25		25		ug/L		04/06/12 13:03	04/09/12 22:49	1
Calcium, Dissolved	1400000		2500		ug/L		04/06/12 13:03	04/09/12 22:49	1
Chromium, Dissolved	70		50		ug/L		04/06/12 13:03	04/09/12 22:49	1

# Client Sample Results

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-78136-1

Project/Site: Cabot

**Client Sample ID: HG-28S**

**Lab Sample ID: 680-78136-6**

Date Collected: 03/29/12 16:30

Matrix: Water

Date Received: 03/30/12 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	170000		250		ug/L		04/06/12 13:03	04/09/12 22:49	1
Lead, Dissolved	<50		50		ug/L		04/06/12 13:03	04/09/12 22:49	1
Magnesium, Dissolved	430000		2500		ug/L		04/06/12 13:03	04/09/12 22:49	1
Manganese, Dissolved	3400		50		ug/L		04/06/12 13:03	04/09/12 22:49	1
Potassium, Dissolved	11000		5000		ug/L		04/06/12 13:03	04/09/12 22:49	1
Sodium, Dissolved	100000		5000		ug/L		04/06/12 13:03	04/09/12 22:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<100		100		mg/L			03/31/12 17:31	100
Nitrate as N	<1.3		1.3		mg/L			03/30/12 14:28	25
Chloride	<100		100		mg/L			03/31/12 17:31	100
Sulfate	180		100		mg/L			03/31/12 17:31	100
Chemical Oxygen Demand	22000		1000		mg/L			04/09/12 14:25	50
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<5.0		5.0		mg/L			04/07/12 18:09	1
Bicarbonate Alkalinity as CaCO <sub>3</sub>	<5.0		5.0		mg/L			04/07/12 18:09	1
Carbonate Alkalinity as CaCO <sub>3</sub>	<5.0		5.0		mg/L			04/07/12 18:09	1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 680-78136-7**

Date Collected: 03/29/12 00:00

Matrix: Water

Date Received: 03/30/12 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			04/11/12 13:56	1
Benzene	<1.0		1.0		ug/L			04/11/12 13:56	1
Bromoform	<1.0		1.0		ug/L			04/11/12 13:56	1
Bromomethane	<1.0		1.0		ug/L			04/11/12 13:56	1
2-Butanone (MEK)	<10		10		ug/L			04/11/12 13:56	1
Carbon disulfide	<2.0		2.0		ug/L			04/11/12 13:56	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/11/12 13:56	1
Chlorobenzene	<1.0		1.0		ug/L			04/11/12 13:56	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/11/12 13:56	1
Chloroethane	<1.0		1.0		ug/L			04/11/12 13:56	1
Chloroform	<1.0		1.0		ug/L			04/11/12 13:56	1
Chloromethane	<1.0		1.0		ug/L			04/11/12 13:56	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/11/12 13:56	1
Dichlorobromomethane	<1.0		1.0		ug/L			04/11/12 13:56	1
1,1-Dichloroethane	<1.0		1.0		ug/L			04/11/12 13:56	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/11/12 13:56	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/11/12 13:56	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/11/12 13:56	1
Ethylbenzene	<1.0		1.0		ug/L			04/11/12 13:56	1
2-Hexanone	<10		10		ug/L			04/11/12 13:56	1
Methylene Chloride	<5.0		5.0		ug/L			04/11/12 13:56	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			04/11/12 13:56	1
Styrene	<1.0		1.0		ug/L			04/11/12 13:56	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/11/12 13:56	1
Tetrachloroethene	<1.0		1.0		ug/L			04/11/12 13:56	1
Toluene	<1.0		1.0		ug/L			04/11/12 13:56	1

# Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

## Client Sample ID: Trip Blank

Date Collected: 03/29/12 00:00

Date Received: 03/30/12 09:04

**Lab Sample ID: 680-78136-7**

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<1.0		1.0		ug/L		04/11/12 13:56		1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L		04/11/12 13:56		1
1,1,1-Trichloroethane	<1.0		1.0		ug/L		04/11/12 13:56		1
1,1,2-Trichloroethane	<1.0		1.0		ug/L		04/11/12 13:56		1
Trichloroethene	<1.0		1.0		ug/L		04/11/12 13:56		1
Vinyl chloride	<1.0		1.0		ug/L		04/11/12 13:56		1
Xylenes, Total	<2.0		2.0		ug/L		04/11/12 13:56		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene	102		70 - 130				04/11/12 13:56		1
Dibromofluoromethane	100		70 - 130				04/11/12 13:56		1
Toluene-d8 (Surr)	105		70 - 130				04/11/12 13:56		1

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

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

**Lab Sample ID:** MB 680-233972/5

**Matrix:** Water

**Analysis Batch:** 233972

**Client Sample ID:** Method Blank

**Prep Type:** Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
Acetone	<25				25		ug/L			04/11/12 12:59	1
Benzene	<1.0				1.0		ug/L			04/11/12 12:59	1
Bromoform	<1.0				1.0		ug/L			04/11/12 12:59	1
Bromomethane	<1.0				1.0		ug/L			04/11/12 12:59	1
2-Butanone (MEK)	<10				10		ug/L			04/11/12 12:59	1
Carbon disulfide	<2.0				2.0		ug/L			04/11/12 12:59	1
Carbon tetrachloride	<1.0				1.0		ug/L			04/11/12 12:59	1
Chlorobenzene	<1.0				1.0		ug/L			04/11/12 12:59	1
Chlorodibromomethane	<1.0				1.0		ug/L			04/11/12 12:59	1
Chloroethane	<1.0				1.0		ug/L			04/11/12 12:59	1
Chloroform	<1.0				1.0		ug/L			04/11/12 12:59	1
Chloromethane	<1.0				1.0		ug/L			04/11/12 12:59	1
cis-1,3-Dichloropropene	<1.0				1.0		ug/L			04/11/12 12:59	1
Dichlorobromomethane	<1.0				1.0		ug/L			04/11/12 12:59	1
1,1-Dichloroethane	<1.0				1.0		ug/L			04/11/12 12:59	1
1,2-Dichloroethane	<1.0				1.0		ug/L			04/11/12 12:59	1
1,1-Dichloroethene	<1.0				1.0		ug/L			04/11/12 12:59	1
1,2-Dichloropropane	<1.0				1.0		ug/L			04/11/12 12:59	1
Ethylbenzene	<1.0				1.0		ug/L			04/11/12 12:59	1
2-Hexanone	<10				10		ug/L			04/11/12 12:59	1
Methylene Chloride	<5.0				5.0		ug/L			04/11/12 12:59	1
4-Methyl-2-pentanone (MIBK)	<10				10		ug/L			04/11/12 12:59	1
Styrene	<1.0				1.0		ug/L			04/11/12 12:59	1
1,1,2,2-Tetrachloroethane	<1.0				1.0		ug/L			04/11/12 12:59	1
Tetrachloroethene	<1.0				1.0		ug/L			04/11/12 12:59	1
Toluene	<1.0				1.0		ug/L			04/11/12 12:59	1
trans-1,2-Dichloroethene	<1.0				1.0		ug/L			04/11/12 12:59	1
trans-1,3-Dichloropropene	<1.0				1.0		ug/L			04/11/12 12:59	1
1,1,1-Trichloroethane	<1.0				1.0		ug/L			04/11/12 12:59	1
1,1,2-Trichloroethane	<1.0				1.0		ug/L			04/11/12 12:59	1
Trichloroethene	<1.0				1.0		ug/L			04/11/12 12:59	1
Vinyl chloride	<1.0				1.0		ug/L			04/11/12 12:59	1
Xylenes, Total	<2.0				2.0		ug/L			04/11/12 12:59	1

### MB MB

Surrogate	MB	MB	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Bromofluorobenzene	103		103		70 - 130			04/11/12 12:59	1
Dibromofluoromethane	97				70 - 130			04/11/12 12:59	1
Toluene-d8 (Surr)	103		103		70 - 130			04/11/12 12:59	1

**Lab Sample ID:** LCS 680-233972/3

**Matrix:** Water

**Analysis Batch:** 233972

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

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Acetone	100	127		ug/L		127	26 - 180
Benzene	50.0	49.4		ug/L		99	70 - 130
Bromoform	50.0	51.1		ug/L		102	70 - 130
Bromomethane	50.0	56.4		ug/L		113	23 - 165
2-Butanone (MEK)	100	111		ug/L		111	49 - 172

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

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

**Lab Sample ID: LCS 680-233972/3**

**Matrix: Water**

**Analysis Batch: 233972**

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

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.
		Result	Qualifier				
Carbon disulfide	50.0	49.7		ug/L		99	54 - 132
Carbon tetrachloride	50.0	50.1		ug/L		100	70 - 130
Chlorobenzene	50.0	49.5		ug/L		99	70 - 130
Chlorodibromomethane	50.0	45.6		ug/L		91	70 - 130
Chloroethane	50.0	50.3		ug/L		101	56 - 152
Chloroform	50.0	50.6		ug/L		101	70 - 130
Chloromethane	50.0	49.8		ug/L		100	70 - 130
cis-1,2-Dichloroethene	50.0	50.4		ug/L		101	70 - 130
cis-1,3-Dichloropropene	50.0	48.1		ug/L		96	70 - 130
Dichlorobromomethane	50.0	47.2		ug/L		94	70 - 130
1,1-Dichloroethane	50.0	52.6		ug/L		105	70 - 130
1,2-Dichloroethane	50.0	49.6		ug/L		99	70 - 130
1,1-Dichloroethene	50.0	55.0		ug/L		110	66 - 131
1,2-Dichloropropane	50.0	51.6		ug/L		103	70 - 130
Ethylbenzene	50.0	51.0		ug/L		102	70 - 130
2-Hexanone	100	114		ug/L		114	42 - 185
Methylene Chloride	50.0	50.9		ug/L		102	67 - 130
4-Methyl-2-pentanone (MIBK)	100	106		ug/L		106	70 - 130
Styrene	50.0	53.9		ug/L		108	70 - 130
1,1,2,2-Tetrachloroethane	50.0	49.3		ug/L		99	70 - 130
Tetrachloroethene	50.0	50.3		ug/L		101	70 - 130
Toluene	50.0	51.7		ug/L		103	70 - 130
trans-1,2-Dichloroethene	50.0	53.5		ug/L		107	70 - 130
trans-1,3-Dichloropropene	50.0	47.4		ug/L		95	70 - 130
1,1,1-Trichloroethane	50.0	55.5		ug/L		111	70 - 130
1,1,2-Trichloroethane	50.0	52.3		ug/L		105	70 - 130
Trichloroethene	50.0	49.7		ug/L		99	70 - 130
Vinyl chloride	50.0	52.4		ug/L		105	67 - 134
Xylenes, Total	150	153		ug/L		102	70 - 130

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	102		70 - 130

**Lab Sample ID: LCSD 680-233972/4**

**Matrix: Water**

**Analysis Batch: 233972**

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

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec.	RPD	RPD
		Result	Qualifier						
Acetone	100	117		ug/L		117	26 - 180	8	50
Benzene	50.0	46.8		ug/L		94	70 - 130	5	30
Bromoform	50.0	48.2		ug/L		96	70 - 130	6	30
Bromomethane	50.0	51.0		ug/L		102	23 - 165	10	50
2-Butanone (MEK)	100	104		ug/L		104	49 - 172	6	30
Carbon disulfide	50.0	46.5		ug/L		93	54 - 132	7	30
Carbon tetrachloride	50.0	47.4		ug/L		95	70 - 130	5	30
Chlorobenzene	50.0	46.3		ug/L		93	70 - 130	7	30
Chlorodibromomethane	50.0	43.0		ug/L		86	70 - 130	6	50

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

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

**Lab Sample ID: LCSD 680-233972/4**

**Matrix: Water**

**Analysis Batch: 233972**

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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD	Limit
	Added	Result	Qualifier							
Chloroethane	50.0	49.3		ug/L		99	56 - 152	2		40
Chloroform	50.0	49.0		ug/L		98	70 - 130	3		30
Chloromethane	50.0	47.4		ug/L		95	70 - 130	5		30
cis-1,2-Dichloroethene	50.0	47.6		ug/L		95	70 - 130	6		30
cis-1,3-Dichloropropene	50.0	47.0		ug/L		94	70 - 130	2		30
Dichlorobromomethane	50.0	44.5		ug/L		89	70 - 130	6		30
1,1-Dichloroethane	50.0	50.4		ug/L		101	70 - 130	4		30
1,2-Dichloroethane	50.0	47.3		ug/L		95	70 - 130	5		30
1,1-Dichloroethene	50.0	49.5		ug/L		99	66 - 131	11		30
1,2-Dichloropropane	50.0	49.0		ug/L		98	70 - 130	5		30
Ethylbenzene	50.0	48.6		ug/L		97	70 - 130	5		30
2-Hexanone	100	107		ug/L		107	42 - 185	6		30
Methylene Chloride	50.0	47.3		ug/L		95	67 - 130	7		30
4-Methyl-2-pentanone (MIBK)	100	102		ug/L		102	70 - 130	3		30
Styrene	50.0	50.7		ug/L		101	70 - 130	6		30
1,1,2,2-Tetrachloroethane	50.0	48.0		ug/L		96	70 - 130	3		30
Tetrachloroethene	50.0	50.0		ug/L		100	70 - 130	0		30
Toluene	50.0	48.7		ug/L		97	70 - 130	6		30
trans-1,2-Dichloroethene	50.0	49.0		ug/L		98	70 - 130	9		30
trans-1,3-Dichloropropene	50.0	45.4		ug/L		91	70 - 130	4		50
1,1,1-Trichloroethane	50.0	53.9		ug/L		108	70 - 130	3		30
1,1,2-Trichloroethane	50.0	50.6		ug/L		101	70 - 130	3		30
Trichloroethene	50.0	48.9		ug/L		98	70 - 130	2		30
Vinyl chloride	50.0	51.1		ug/L		102	67 - 134	3		30
Xylenes, Total	150	144		ug/L		96	70 - 130	6		30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	100		70 - 130
Toluene-d8 (Surrogate)	99		70 - 130

**Lab Sample ID: MB 680-233973/5**

**Matrix: Water**

**Analysis Batch: 233973**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<25		25		ug/L			04/11/12 12:44	1
Benzene	<1.0		1.0		ug/L			04/11/12 12:44	1
Bromoform	<1.0		1.0		ug/L			04/11/12 12:44	1
Bromomethane	<1.0		1.0		ug/L			04/11/12 12:44	1
2-Butanone (MEK)	<10		10		ug/L			04/11/12 12:44	1
Carbon disulfide	<2.0		2.0		ug/L			04/11/12 12:44	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/11/12 12:44	1
Chlorobenzene	<1.0		1.0		ug/L			04/11/12 12:44	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/11/12 12:44	1
Chloroethane	<1.0		1.0		ug/L			04/11/12 12:44	1
Chloroform	<1.0		1.0		ug/L			04/11/12 12:44	1
Chloromethane	<1.0		1.0		ug/L			04/11/12 12:44	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			04/11/12 12:44	1

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

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

**Lab Sample ID: MB 680-233973/5**

**Matrix: Water**

**Analysis Batch: 233973**

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

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
Dichlorobromomethane	<1.0				1.0		ug/L			04/11/12 12:44	1
1,1-Dichloroethane	<1.0				1.0		ug/L			04/11/12 12:44	1
1,2-Dichloroethane	<1.0				1.0		ug/L			04/11/12 12:44	1
1,1-Dichloroethene	<1.0				1.0		ug/L			04/11/12 12:44	1
1,2-Dichloropropane	<1.0				1.0		ug/L			04/11/12 12:44	1
Ethylbenzene	<1.0				1.0		ug/L			04/11/12 12:44	1
2-Hexanone	<10				10		ug/L			04/11/12 12:44	1
Methylene Chloride	<5.0				5.0		ug/L			04/11/12 12:44	1
4-Methyl-2-pentanone (MIBK)	<10				10		ug/L			04/11/12 12:44	1
Styrene	<1.0				1.0		ug/L			04/11/12 12:44	1
1,1,2,2-Tetrachloroethane	<1.0				1.0		ug/L			04/11/12 12:44	1
Tetrachloroethene	<1.0				1.0		ug/L			04/11/12 12:44	1
Toluene	<1.0				1.0		ug/L			04/11/12 12:44	1
trans-1,2-Dichloroethene	<1.0				1.0		ug/L			04/11/12 12:44	1
trans-1,3-Dichloropropene	<1.0				1.0		ug/L			04/11/12 12:44	1
1,1,1-Trichloroethane	<1.0				1.0		ug/L			04/11/12 12:44	1
1,1,2-Trichloroethane	<1.0				1.0		ug/L			04/11/12 12:44	1
Trichloroethene	<1.0				1.0		ug/L			04/11/12 12:44	1
Vinyl chloride	<1.0				1.0		ug/L			04/11/12 12:44	1
Xylenes, Total	<2.0				2.0		ug/L			04/11/12 12:44	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Bromofluorobenzene	103		103		70 - 130			04/11/12 12:44	1
Dibromofluoromethane	91		91		70 - 130			04/11/12 12:44	1
Toluene-d8 (Surr)	102		102		70 - 130			04/11/12 12:44	1

**Lab Sample ID: LCS 680-233973/3**

**Matrix: Water**

**Analysis Batch: 233973**

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

Analyte	Spike	LCS			Unit	D	%Rec	Limits	%Rec.
	Added	Result	Qualifier						
Acetone		100		106	ug/L		106	26 - 180	
Benzene		50.0		47.8	ug/L		96	70 - 130	
Bromoform		50.0		47.5	ug/L		95	70 - 130	
Bromomethane		50.0		50.2	ug/L		100	23 - 165	
2-Butanone (MEK)		100		97.5	ug/L		97	49 - 172	
Carbon disulfide		50.0		50.0	ug/L		100	54 - 132	
Carbon tetrachloride		50.0		49.8	ug/L		100	70 - 130	
Chlorobenzene		50.0		47.8	ug/L		96	70 - 130	
Chlorodibromomethane		50.0		47.8	ug/L		96	70 - 130	
Chloroethane		50.0		51.7	ug/L		103	56 - 152	
Chloroform		50.0		48.8	ug/L		98	70 - 130	
Chloromethane		50.0		48.9	ug/L		98	70 - 130	
cis-1,2-Dichloroethene		50.0		50.5	ug/L		101	70 - 130	
cis-1,3-Dichloropropene		50.0		49.1	ug/L		98	70 - 130	
Dichlorobromomethane		50.0		47.3	ug/L		95	70 - 130	
1,1-Dichloroethane		50.0		50.8	ug/L		102	70 - 130	
1,2-Dichloroethane		50.0		49.5	ug/L		99	70 - 130	
1,1-Dichloroethene		50.0		50.9	ug/L		102	66 - 131	

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

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

**Lab Sample ID: LCS 680-233973/3**

**Matrix: Water**

**Analysis Batch: 233973**

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	
	Added	Result	Qualifier						
1,2-Dichloropropane	50.0	50.2		ug/L		100	70 - 130		
Ethylbenzene	50.0	50.2		ug/L		100	70 - 130		
2-Hexanone	100	113		ug/L		113	42 - 185		
Methylene Chloride	50.0	53.6		ug/L		107	67 - 130		
4-Methyl-2-pentanone (MIBK)	100	108		ug/L		108	70 - 130		
Styrene	50.0	50.2		ug/L		100	70 - 130		
1,1,2,2-Tetrachloroethane	50.0	49.7		ug/L		99	70 - 130		
Tetrachloroethene	50.0	48.2		ug/L		96	70 - 130		
Toluene	50.0	47.4		ug/L		95	70 - 130		
trans-1,2-Dichloroethene	50.0	49.6		ug/L		99	70 - 130		
trans-1,3-Dichloropropene	50.0	48.2		ug/L		96	70 - 130		
1,1,1-Trichloroethane	50.0	50.3		ug/L		101	70 - 130		
1,1,2-Trichloroethane	50.0	49.3		ug/L		99	70 - 130		
Trichloroethene	50.0	50.2		ug/L		100	70 - 130		
Vinyl chloride	50.0	46.0		ug/L		92	67 - 134		
Xylenes, Total	150	148		ug/L		99	70 - 130		

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8 (Surr)	99		70 - 130

**Lab Sample ID: LCSD 680-233973/4**

**Matrix: Water**

**Analysis Batch: 233973**

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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Added	Result	Qualifier						
Acetone	100	112		ug/L		112	26 - 180	5	50
Benzene	50.0	49.3		ug/L		99	70 - 130	3	30
Bromoform	50.0	47.8		ug/L		96	70 - 130	1	30
Bromomethane	50.0	52.7		ug/L		105	23 - 165	5	50
2-Butanone (MEK)	100	129		ug/L		129	49 - 172	28	30
Carbon disulfide	50.0	50.7		ug/L		101	54 - 132	1	30
Carbon tetrachloride	50.0	49.9		ug/L		100	70 - 130	0	30
Chlorobenzene	50.0	49.9		ug/L		100	70 - 130	4	30
Chlorodibromomethane	50.0	49.5		ug/L		99	70 - 130	4	50
Chloroethane	50.0	46.5		ug/L		93	56 - 152	11	40
Chloroform	50.0	57.1		ug/L		114	70 - 130	16	30
Chloromethane	50.0	48.2		ug/L		96	70 - 130	2	30
cis-1,2-Dichloroethene	50.0	64.8		ug/L		130	70 - 130	25	30
cis-1,3-Dichloropropene	50.0	51.0		ug/L		102	70 - 130	4	30
Dichlorobromomethane	50.0	48.3		ug/L		97	70 - 130	2	30
1,1-Dichloroethane	50.0	53.7		ug/L		107	70 - 130	6	30
1,2-Dichloroethane	50.0	51.0		ug/L		102	70 - 130	3	30
1,1-Dichloroethene	50.0	52.5		ug/L		105	66 - 131	3	30
1,2-Dichloropropane	50.0	52.1		ug/L		104	70 - 130	4	30
Ethylbenzene	50.0	50.8		ug/L		102	70 - 130	1	30
2-Hexanone	100	115		ug/L		115	42 - 185	2	30
Methylene Chloride	50.0	55.0		ug/L		110	67 - 130	3	30

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

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

**Lab Sample ID: LCSD 680-233973/4**

**Matrix: Water**

**Analysis Batch: 233973**

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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD Limit
	Added	Result	Qualifier						
4-Methyl-2-pentanone (MIBK)	100	109		ug/L		109	70 - 130	1	30
Styrene	50.0	51.9		ug/L		104	70 - 130	3	30
1,1,2,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 130	4	30
Tetrachloroethylene	50.0	50.0		ug/L		100	70 - 130	4	30
Toluene	50.0	49.7		ug/L		99	70 - 130	5	30
trans-1,2-Dichloroethene	50.0	50.0		ug/L		100	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	49.0		ug/L		98	70 - 130	2	50
1,1,1-Trichloroethane	50.0	51.1		ug/L		102	70 - 130	2	30
1,1,2-Trichloroethane	50.0	54.1		ug/L		108	70 - 130	9	30
Trichloroethylene	50.0	50.4		ug/L		101	70 - 130	0	30
Vinyl chloride	50.0	45.7		ug/L		91	67 - 134	1	30
Xylenes, Total	150	152		ug/L		101	70 - 130	2	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8 (Surr)	102		70 - 130

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

**Lab Sample ID: MB 680-233167/9-A**

**Matrix: Water**

**Analysis Batch: 233317**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 233167**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Phenol	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Bis(2-chloroethyl)ether	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
2-Chlorophenol	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
1,3-Dichlorobenzene	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
1,4-Dichlorobenzene	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
1,2-Dichlorobenzene	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
2-Methylphenol	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
N-Nitrosodi-n-propylamine	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Hexachloroethane	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Nitrobenzene	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Isophorone	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
2-Nitrophenol	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
2,4-Dimethylphenol	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Bis(2-chloroethoxy)methane	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
2,4-Dichlorophenol	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
1,2,4-Trichlorobenzene	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Naphthalene	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
4-Chloroaniline	<20		20		ug/L		04/03/12 15:07	04/04/12 20:02	1
Hexachlorobutadiene	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
4-Chloro-3-methylphenol	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
2-Methylnaphthalene	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Hexachlorocyclopentadiene	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
2,4,6-Trichlorophenol	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1
2,4,5-Trichlorophenol	<10		10		ug/L		04/03/12 15:07	04/04/12 20:02	1

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

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

**Lab Sample ID: MB 680-233167/9-A**

**Matrix: Water**

**Analysis Batch: 233317**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 233167**

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	MB	MB									
2-Chloronaphthalene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
2-Nitroaniline	<50				50		ug/L		04/03/12 15:07	04/04/12 20:02	1
Dimethyl phthalate	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Acenaphthylene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
3-Nitroaniline	<50				50		ug/L		04/03/12 15:07	04/04/12 20:02	1
Acenaphthene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
2,4-Dinitrophenol	<50				50		ug/L		04/03/12 15:07	04/04/12 20:02	1
4-Nitrophenol	<50				50		ug/L		04/03/12 15:07	04/04/12 20:02	1
Dibenzofuran	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
2,4-Dinitrotoluene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
2,6-Dinitrotoluene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
3 & 4 Methylphenol	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Diethyl phthalate	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
4-Chlorophenyl phenyl ether	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Fluorene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
4-Nitroaniline	<50				50		ug/L		04/03/12 15:07	04/04/12 20:02	1
4,6-Dinitro-2-methylphenol	<50				50		ug/L		04/03/12 15:07	04/04/12 20:02	1
N-Nitrosodiphenylamine	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
4-Bromophenyl phenyl ether	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Hexachlorobenzene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Pentachlorophenol	<50				50		ug/L		04/03/12 15:07	04/04/12 20:02	1
Phenanthrene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Anthracene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Di-n-butyl phthalate	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Fluoranthene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Pyrene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Butyl benzyl phthalate	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
3,3'-Dichlorobenzidine	<60				60		ug/L		04/03/12 15:07	04/04/12 20:02	1
Benzo[a]anthracene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Bis(2-ethylhexyl) phthalate	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Chrysene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Di-n-octyl phthalate	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Benzo[b]fluoranthene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Benzo[k]fluoranthene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Benzo[a]pyrene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Indeno[1,2,3-cd]pyrene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Dibenz(a,h)anthracene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Benzo[g,h,i]perylene	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
Carbazole	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1
bis(chloroisopropyl) ether	<10				10		ug/L		04/03/12 15:07	04/04/12 20:02	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	MB	MB						
Phenol-d5			65		25 - 130			
2-Fluorophenol			62		25 - 130			
2,4,6-Tribromophenol			112		31 - 141			
Nitrobenzene-d5			62		39 - 130			
2-Fluorobiphenyl			63		38 - 130			
Terphenyl-d14			84		10 - 143			

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

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

**Lab Sample ID: LCS 680-233167/10-A**

**Matrix: Water**

**Analysis Batch: 233317**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 233167**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
Phenol	100	75.6		ug/L	76	29 - 130		
Bis(2-chloroethyl)ether	100	67.7		ug/L	68	56 - 130		
2-Chlorophenol	100	78.5		ug/L	78	57 - 130		
1,3-Dichlorobenzene	100	59.5		ug/L	59	41 - 130		
1,4-Dichlorobenzene	100	62.5		ug/L	62	43 - 130		
1,2-Dichlorobenzene	100	64.1		ug/L	64	43 - 130		
2-Methylphenol	100	76.1		ug/L	76	55 - 130		
N-Nitrosodi-n-propylamine	100	78.5		ug/L	78	64 - 130		
Hexachloroethane	100	51.6		ug/L	52	39 - 130		
Nitrobenzene	100	68.8		ug/L	69	56 - 130		
Isophorone	100	71.0		ug/L	71	59 - 130		
2-Nitrophenol	100	78.7		ug/L	79	54 - 130		
2,4-Dimethylphenol	100	65.2		ug/L	65	40 - 130		
Bis(2-chloroethoxy)methane	100	88.4		ug/L	88	64 - 130		
2,4-Dichlorophenol	100	79.5		ug/L	79	54 - 130		
1,2,4-Trichlorobenzene	100	63.1		ug/L	63	42 - 130		
Naphthalene	100	70.3		ug/L	70	50 - 130		
4-Chloroaniline	100	67.8		ug/L	68	42 - 130		
Hexachlorobutadiene	100	56.3		ug/L	56	36 - 130		
4-Chloro-3-methylphenol	100	80.5		ug/L	81	60 - 130		
2-Methylnaphthalene	100	70.1		ug/L	70	52 - 130		
Hexachlorocyclopentadiene	100	37.0		ug/L	37	10 - 130		
2,4,6-Trichlorophenol	100	75.0		ug/L	75	57 - 130		
2,4,5-Trichlorophenol	100	78.7		ug/L	79	61 - 130		
2-Chloronaphthalene	100	68.5		ug/L	69	53 - 130		
2-Nitroaniline	100	67.2		ug/L	67	60 - 130		
Dimethyl phthalate	100	79.6		ug/L	80	69 - 130		
Acenaphthylene	100	73.3		ug/L	73	60 - 130		
3-Nitroaniline	100	78.6		ug/L	79	54 - 130		
Acenaphthene	100	68.3		ug/L	68	55 - 130		
2,4-Dinitrophenol	100	90.9		ug/L	91	20 - 165		
4-Nitrophenol	100	65.2		ug/L	65	38 - 130		
Dibenzofuran	100	73.8		ug/L	74	58 - 130		
2,4-Dinitrotoluene	100	84.5		ug/L	85	63 - 130		
2,6-Dinitrotoluene	100	81.2		ug/L	81	65 - 130		
3 & 4 Methylphenol	100	78.4		ug/L	78	35 - 130		
Diethyl phthalate	100	77.5		ug/L	78	70 - 130		
4-Chlorophenyl phenyl ether	100	72.8		ug/L	73	57 - 130		
Fluorene	100	79.0		ug/L	79	61 - 130		
4-Nitroaniline	100	81.6		ug/L	82	54 - 130		
4,6-Dinitro-2-methylphenol	100	80.2		ug/L	80	45 - 134		
N-Nitrosodiphenylamine	100	78.0		ug/L	78	68 - 130		
4-Bromophenyl phenyl ether	100	88.7		ug/L	89	61 - 130		
Hexachlorobenzene	100	89.0		ug/L	89	52 - 130		
Pentachlorophenol	100	91.9		ug/L	92	42 - 138		
Phenanthrene	100	78.0		ug/L	78	62 - 130		
Anthracene	100	75.4		ug/L	75	61 - 130		
Di-n-butyl phthalate	100	79.0		ug/L	79	66 - 130		
Fluoranthene	100	72.5		ug/L	72	56 - 130		

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

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

**Lab Sample ID: LCS 680-233167/10-A**

**Matrix: Water**

**Analysis Batch: 233317**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 233167**

Analyte	Spike Added	LCS			Unit	D	%Rec	Limits
		Result	Qualifier	LCS				
Pyrene	100	74.3		74.3	ug/L		74	60 - 130
Butyl benzyl phthalate	100	81.9		81.9	ug/L		82	66 - 130
3,3'-Dichlorobenzidine	100	68.0		68.0	ug/L		68	27 - 130
Benzo[a]anthracene	100	77.2		77.2	ug/L		77	58 - 130
Bis(2-ethylhexyl) phthalate	100	76.3		76.3	ug/L		76	62 - 130
Chrysene	100	74.8		74.8	ug/L		75	59 - 130
Di-n-octyl phthalate	100	81.6		81.6	ug/L		82	64 - 130
Benzo[b]fluoranthene	100	76.5		76.5	ug/L		77	51 - 130
Benzo[k]fluoranthene	100	70.2		70.2	ug/L		70	53 - 130
Benzo[a]pyrene	100	82.4		82.4	ug/L		82	61 - 130
Indeno[1,2,3-cd]pyrene	100	103		103	ug/L		103	47 - 130
Dibenz(a,h)anthracene	100	85.4		85.4	ug/L		85	55 - 130
Benzo[g,h,i]perylene	100	84.9		84.9	ug/L		85	54 - 130
Carbazole	100	78.0		78.0	ug/L		78	67 - 130
bis(chloroisopropyl) ether	100	50.9	*	50.9	ug/L		51	55 - 130

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Phenol-d5	80		25 - 130
2-Fluorophenol	74		25 - 130
2,4,6-Tribromophenol	119		31 - 141
Nitrobenzene-d5	68		39 - 130
2-Fluorobiphenyl	67		38 - 130
Terphenyl-d14	83		10 - 143

**Lab Sample ID: 680-78136-6 MS**

**Matrix: Water**

**Analysis Batch: 233510**

**Client Sample ID: HG-28S**

**Prep Type: Total/NA**

**Prep Batch: 233167**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Phenol	61000		99.9	69800	4	ug/L		8978	29 - 130
Bis(2-chloroethyl)ether	<10000		99.9	<10000		ug/L		NC	56 - 130
2-Chlorophenol	<10000		99.9	<10000		ug/L		NC	57 - 130
1,3-Dichlorobenzene	<10000		99.9	<10000		ug/L		NC	41 - 130
1,4-Dichlorobenzene	<10000		99.9	<10000		ug/L		NC	43 - 130
1,2-Dichlorobenzene	<10000		99.9	<10000		ug/L		NC	43 - 130
2-Methylphenol	17000		99.9	20100	4	ug/L		2825	55 - 130
N-Nitrosodi-n-propylamine	<10000		99.9	<10000		ug/L		NC	64 - 130
Hexachloroethane	<10000		99.9	<10000		ug/L		NC	39 - 130
Nitrobenzene	<10000		99.9	<10000		ug/L		NC	56 - 130
Isophorone	<10000		99.9	<10000		ug/L		NC	59 - 130
2-Nitrophenol	<10000		99.9	<10000		ug/L		NC	54 - 130
2,4-Dimethylphenol	<10000		99.9	<10000	4	ug/L		367	40 - 130
Bis(2-chloroethoxy)methane	<10000		99.9	<10000		ug/L		NC	64 - 130
2,4-Dichlorophenol	<10000		99.9	<10000		ug/L		NC	54 - 130
1,2,4-Trichlorobenzene	<10000		99.9	<10000		ug/L		NC	42 - 130
Naphthalene	<10000		99.9	<10000		ug/L		NC	50 - 130
4-Chloroaniline	<20000		99.9	<20000		ug/L		NC	42 - 130
Hexachlorobutadiene	<10000		99.9	<10000		ug/L		NC	36 - 130
4-Chloro-3-methylphenol	<10000		99.9	<10000		ug/L		NC	60 - 130

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

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

**Lab Sample ID: 680-78136-6 MS**

**Matrix: Water**

**Analysis Batch: 233510**

**Client Sample ID: HG-28S**

**Prep Type: Total/NA**

**Prep Batch: 233167**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
2-Methylnaphthalene	<10000		99.9	<10000		ug/L		NC	52 - 130
Hexachlorocyclopentadiene	<10000		99.9	<10000		ug/L		NC	10 - 130
2,4,6-Trichlorophenol	<10000		99.9	<10000		ug/L		NC	57 - 130
2,4,5-Trichlorophenol	<10000		99.9	<10000		ug/L		NC	61 - 130
2-Chloronaphthalene	<10000		99.9	<10000		ug/L		NC	53 - 130
2-Nitroaniline	<50000		99.9	<50000		ug/L		NC	60 - 130
Dimethyl phthalate	<10000		99.9	<10000		ug/L		NC	69 - 130
Acenaphthylene	<10000		99.9	<10000		ug/L		NC	60 - 130
3-Nitroaniline	<50000		99.9	<50000		ug/L		NC	54 - 130
Acenaphthene	<10000		99.9	<10000		ug/L		NC	55 - 130
2,4-Dinitrophenol	<50000		99.9	<50000		ug/L		NC	20 - 165
4-Nitrophenol	<50000		99.9	<50000		ug/L		NC	38 - 130
Dibenzofuran	<10000		99.9	<10000		ug/L		NC	58 - 130
2,4-Dinitrotoluene	<10000		99.9	<10000		ug/L		NC	63 - 130
2,6-Dinitrotoluene	<10000		99.9	<10000		ug/L		NC	65 - 130
3 & 4 Methylphenol	37000		99.9	43800	4	ug/L		6441	35 - 130
Diethyl phthalate	<10000		99.9	<10000		ug/L		NC	70 - 130
4-Chlorophenyl phenyl ether	<10000		99.9	<10000		ug/L		NC	57 - 130
Fluorene	<10000		99.9	<10000		ug/L		NC	61 - 130
4-Nitroaniline	<50000		99.9	<50000		ug/L		NC	54 - 130
4,6-Dinitro-2-methylphenol	<50000		99.9	<50000		ug/L		NC	45 - 134
N-Nitrosodiphenylamine	<10000		99.9	<10000		ug/L		NC	68 - 130
4-Bromophenyl phenyl ether	<10000		99.9	<10000		ug/L		NC	61 - 130
Hexachlorobenzene	<10000		99.9	<10000		ug/L		NC	52 - 130
Pentachlorophenol	<50000		99.9	<50000		ug/L		NC	42 - 138
Phenanthrene	<10000		99.9	<10000		ug/L		NC	62 - 130
Anthracene	<10000		99.9	<10000		ug/L		NC	61 - 130
Di-n-butyl phthalate	<10000		99.9	<10000		ug/L		NC	66 - 130
Fluoranthene	<10000		99.9	<10000		ug/L		NC	56 - 130
Pyrene	<10000		99.9	<10000		ug/L		NC	60 - 130
Butyl benzyl phthalate	<10000		99.9	<10000		ug/L		NC	66 - 130
3,3'-Dichlorobenzidine	<60000		99.9	<60000		ug/L		NC	27 - 130
Benzo[a]anthracene	<10000		99.9	<10000		ug/L		NC	58 - 130
Bis(2-ethylhexyl) phthalate	<10000		99.9	<10000		ug/L		NC	62 - 130
Chrysene	<10000		99.9	<10000		ug/L		NC	59 - 130
Di-n-octyl phthalate	<10000		99.9	<10000		ug/L		NC	64 - 130
Benzo[b]fluoranthene	<10000		99.9	<10000		ug/L		NC	51 - 130
Benzo[k]fluoranthene	<10000		99.9	<10000		ug/L		NC	53 - 130
Benzo[a]pyrene	<10000		99.9	<10000		ug/L		NC	61 - 130
Indeno[1,2,3-cd]pyrene	<10000		99.9	<10000		ug/L		NC	47 - 130
Dibenz(a,h)anthracene	<10000		99.9	<10000		ug/L		NC	55 - 130
Benzo[g,h,i]perylene	<10000		99.9	<10000		ug/L		NC	54 - 130
Carbazole	<10000		99.9	<10000		ug/L		NC	67 - 130
bis(chloroisopropyl) ether	<10000	*	99.9	<10000		ug/L		NC	55 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
Phenol-d5	0	D	25 - 130
2-Fluorophenol	0	D	25 - 130
2,4,6-Tribromophenol	0	D	31 - 141

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

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

**Lab Sample ID: 680-78136-6 MS**

**Matrix: Water**

**Analysis Batch: 233510**

**Client Sample ID: HG-28S**

**Prep Type: Total/NA**

**Prep Batch: 233167**

Surrogate	MS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	0	D	39 - 130
2-Fluorobiphenyl	0	D	38 - 130
Terphenyl-d14	0	D	10 - 143

**Lab Sample ID: 680-78136-6 MSD**

**Matrix: Water**

**Analysis Batch: 233510**

**Client Sample ID: HG-28S**

**Prep Type: Total/NA**

**Prep Batch: 233167**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Phenol	61000		151	55900	4	ug/L	-3242	29 - 130	22	50	
Bis(2-chloroethyl)ether	<10000		151	<15000		ug/L	NC	56 - 130	NC	50	
2-Chlorophenol	<10000		151	<15000		ug/L	NC	57 - 130	NC	50	
1,3-Dichlorobenzene	<10000		151	<15000		ug/L	NC	41 - 130	NC	50	
1,4-Dichlorobenzene	<10000		151	<15000		ug/L	NC	43 - 130	NC	50	
1,2-Dichlorobenzene	<10000		151	<15000		ug/L	NC	43 - 130	NC	50	
2-Methylphenol	17000		151	15900	4	ug/L	-913	55 - 130	23	50	
N-Nitrosodi-n-propylamine	<10000		151	<15000		ug/L	NC	64 - 130	NC	50	
Hexachloroethane	<10000		151	<15000		ug/L	NC	39 - 130	NC	50	
Nitrobenzene	<10000		151	<15000		ug/L	NC	56 - 130	NC	50	
Isophorone	<10000		151	<15000		ug/L	NC	59 - 130	NC	50	
2-Nitrophenol	<10000		151	<15000		ug/L	NC	54 - 130	NC	50	
2,4-Dimethylphenol	<10000		151	<15000	4	ug/L	-724	40 - 130	16	50	
Bis(2-chloroethoxy)methane	<10000		151	<15000		ug/L	NC	64 - 130	NC	50	
2,4-Dichlorophenol	<10000		151	<15000		ug/L	NC	54 - 130	NC	50	
1,2,4-Trichlorobenzene	<10000		151	<15000		ug/L	NC	42 - 130	NC	50	
Naphthalene	<10000		151	<15000		ug/L	NC	50 - 130	NC	50	
4-Chloroaniline	<20000		151	<30000		ug/L	NC	42 - 130	NC	50	
Hexachlorobutadiene	<10000		151	<15000		ug/L	NC	36 - 130	NC	50	
4-Chloro-3-methylphenol	<10000		151	<15000		ug/L	NC	60 - 130	NC	50	
2-Methylnaphthalene	<10000		151	<15000		ug/L	NC	52 - 130	NC	50	
Hexachlorocyclopentadiene	<10000		151	<15000		ug/L	NC	10 - 130	NC	50	
2,4,6-Trichlorophenol	<10000		151	<15000		ug/L	NC	57 - 130	NC	50	
2,4,5-Trichlorophenol	<10000		151	<15000		ug/L	NC	61 - 130	NC	50	
2-Chloronaphthalene	<10000		151	<15000		ug/L	NC	53 - 130	NC	50	
2-Nitroaniline	<50000		151	<75000		ug/L	NC	60 - 130	NC	50	
Dimethyl phthalate	<10000		151	<15000		ug/L	NC	69 - 130	NC	50	
Acenaphthylene	<10000		151	<15000		ug/L	NC	60 - 130	NC	50	
3-Nitroaniline	<50000		151	<75000		ug/L	NC	54 - 130	NC	50	
Acenaphthene	<10000		151	<15000		ug/L	NC	55 - 130	NC	50	
2,4-Dinitrophenol	<50000		151	<75000		ug/L	NC	20 - 165	NC	50	
4-Nitrophenol	<50000		151	<75000		ug/L	NC	38 - 130	NC	50	
Dibenzofuran	<10000		151	<15000		ug/L	NC	58 - 130	NC	50	
2,4-Dinitrotoluene	<10000		151	<15000		ug/L	NC	63 - 130	NC	50	
2,6-Dinitrotoluene	<10000		151	<15000		ug/L	NC	65 - 130	NC	50	
3 & 4 Methylphenol	37000		151	34100	4	ug/L	-2155	35 - 130	25	50	
Diethyl phthalate	<10000		151	<15000		ug/L	NC	70 - 130	NC	50	
4-Chlorophenyl phenyl ether	<10000		151	<15000		ug/L	NC	57 - 130	NC	50	
Fluorene	<10000		151	<15000		ug/L	NC	61 - 130	NC	50	
4-Nitroaniline	<50000		151	<75000		ug/L	NC	54 - 130	NC	50	

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

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

Lab Sample ID: 680-78136-6 MSD							Client Sample ID: HG-28S				
Matrix: Water							Prep Type: Total/NA				
Analysis Batch: 233510							Prep Batch: 233167				
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
4,6-Dinitro-2-methylphenol	<50000		151	<75000		ug/L	NC	45 - 134	NC	50	
N-Nitrosodiphenylamine	<10000		151	<15000		ug/L	NC	68 - 130	NC	50	
4-Bromophenyl phenyl ether	<10000		151	<15000		ug/L	NC	61 - 130	NC	50	
Hexachlorobenzene	<10000		151	<15000		ug/L	NC	52 - 130	NC	50	
Pentachlorophenol	<50000		151	<75000		ug/L	NC	42 - 138	NC	50	
Phanthrene	<10000		151	<15000		ug/L	NC	62 - 130	NC	50	
Anthracene	<10000		151	<15000		ug/L	NC	61 - 130	NC	50	
Di-n-butyl phthalate	<10000		151	<15000		ug/L	NC	66 - 130	NC	50	
Fluoranthene	<10000		151	<15000		ug/L	NC	56 - 130	NC	50	
Pyrene	<10000		151	<15000		ug/L	NC	60 - 130	NC	50	
Butyl benzyl phthalate	<10000		151	<15000		ug/L	NC	66 - 130	NC	50	
3,3'-Dichlorobenzidine	<60000		151	<90000		ug/L	NC	27 - 130	NC	50	
Benzo[a]anthracene	<10000		151	<15000		ug/L	NC	58 - 130	NC	50	
Bis(2-ethylhexyl) phthalate	<10000		151	<15000		ug/L	NC	62 - 130	NC	50	
Chrysene	<10000		151	<15000		ug/L	NC	59 - 130	NC	50	
Di-n-octyl phthalate	<10000		151	<15000		ug/L	NC	64 - 130	NC	50	
Benzo[b]fluoranthene	<10000		151	<15000		ug/L	NC	51 - 130	NC	50	
Benzo[k]fluoranthene	<10000		151	<15000		ug/L	NC	53 - 130	NC	50	
Benzo[a]pyrene	<10000		151	<15000		ug/L	NC	61 - 130	NC	50	
Indeno[1,2,3-cd]pyrene	<10000		151	<15000		ug/L	NC	47 - 130	NC	50	
Dibenz(a,h)anthracene	<10000		151	<15000		ug/L	NC	55 - 130	NC	50	
Benzo[g,h,i]perylene	<10000		151	<15000 F		ug/L	NC	54 - 130	103	50	
Carbazole	<10000		151	<15000		ug/L	NC	67 - 130	NC	50	
bis(chloroisopropyl) ether	<10000 *		151	<15000		ug/L	NC	55 - 130	NC	50	
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
Phenol-d5	0 D		25 - 130								
2-Fluorophenol	0 D		25 - 130								
2,4,6-Tribromophenol	0 D		31 - 141								
Nitrobenzene-d5	0 D		39 - 130								
2-Fluorobiphenyl	0 D		38 - 130								
Terphenyl-d14	0 D		10 - 143								

## Method: 6010B - Metals (ICP)

Lab Sample ID: MB 680-233538/1-A							Client Sample ID: Method Blank				
Matrix: Water							Prep Type: Total Recoverable				
Analysis Batch: 233857							Prep Batch: 233538				
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Aluminum	<200		200		ug/L	04/06/12 12:55	04/09/12 22:14		1		
Aluminum, Dissolved	<200		200		ug/L	04/06/12 12:55	04/09/12 22:14		1		
Antimony	<20		20		ug/L	04/06/12 12:55	04/09/12 22:14		1		
Antimony, Dissolved	<20		20		ug/L	04/06/12 12:55	04/09/12 22:14		1		
Arsenic	<20		20		ug/L	04/06/12 12:55	04/09/12 22:14		1		
Arsenic, Dissolved	<20		20		ug/L	04/06/12 12:55	04/09/12 22:14		1		
Beryllium	<4.0		4.0		ug/L	04/06/12 12:55	04/09/12 22:14		1		
Beryllium, Dissolved	<4.0		4.0		ug/L	04/06/12 12:55	04/09/12 22:14		1		
Cadmium	<5.0		5.0		ug/L	04/06/12 12:55	04/09/12 22:14		1		

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

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

**Lab Sample ID: MB 680-233538/1-A**

**Matrix: Water**

**Analysis Batch: 233857**

**Client Sample ID: Method Blank**

**Prep Type: Total Recoverable**

**Prep Batch: 233538**

**MB MB**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium, Dissolved	<5.0		5.0		ug/L		04/06/12 12:55	04/09/12 22:14	1
Calcium	<500		500		ug/L		04/06/12 12:55	04/09/12 22:14	1
Calcium, Dissolved	<500		500		ug/L		04/06/12 12:55	04/09/12 22:14	1
Chromium	<10		10		ug/L		04/06/12 12:55	04/09/12 22:14	1
Chromium, Dissolved	<10		10		ug/L		04/06/12 12:55	04/09/12 22:14	1
Iron	<50		50		ug/L		04/06/12 12:55	04/09/12 22:14	1
Iron, Dissolved	<50		50		ug/L		04/06/12 12:55	04/09/12 22:14	1
Lead	<10		10		ug/L		04/06/12 12:55	04/09/12 22:14	1
Lead, Dissolved	<10		10		ug/L		04/06/12 12:55	04/09/12 22:14	1
Magnesium	<500		500		ug/L		04/06/12 12:55	04/09/12 22:14	1
Magnesium, Dissolved	<500		500		ug/L		04/06/12 12:55	04/09/12 22:14	1
Manganese	<10		10		ug/L		04/06/12 12:55	04/09/12 22:14	1
Manganese, Dissolved	<10		10		ug/L		04/06/12 12:55	04/09/12 22:14	1
Potassium	<1000		1000		ug/L		04/06/12 12:55	04/09/12 22:14	1
Potassium, Dissolved	<1000		1000		ug/L		04/06/12 12:55	04/09/12 22:14	1
Sodium	<1000		1000		ug/L		04/06/12 12:55	04/09/12 22:14	1
Sodium, Dissolved	<1000		1000		ug/L		04/06/12 12:55	04/09/12 22:14	1

**Lab Sample ID: LCS 680-233538/2-A**

**Matrix: Water**

**Analysis Batch: 233857**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total Recoverable**

**Prep Batch: 233538**

Analyte	Spike Added	LCS LCS			D	%Rec	Limits
		Result	Qualifier	Unit			
Aluminum	2000	2010		ug/L		101	75 - 125
Aluminum, Dissolved	2000	2010		ug/L		101	75 - 125
Antimony	500	471		ug/L		94	75 - 125
Antimony, Dissolved	500	471		ug/L		94	75 - 125
Arsenic	2000	2040		ug/L		102	75 - 125
Arsenic, Dissolved	2000	2040		ug/L		102	75 - 125
Beryllium	50.0	50.0		ug/L		100	75 - 125
Beryllium, Dissolved	50.0	50.0		ug/L		100	75 - 125
Cadmium	50.0	50.3		ug/L		101	75 - 125
Cadmium, Dissolved	50.0	50.3		ug/L		101	75 - 125
Calcium	5000	4950		ug/L		99	75 - 125
Calcium, Dissolved	5000	4950		ug/L		99	75 - 125
Chromium	200	202		ug/L		101	75 - 125
Chromium, Dissolved	200	202		ug/L		101	75 - 125
Iron	1000	966		ug/L		97	75 - 125
Iron, Dissolved	1000	966		ug/L		97	75 - 125
Lead	500	506		ug/L		101	75 - 125
Lead, Dissolved	500	506		ug/L		101	75 - 125
Magnesium	5000	4900		ug/L		98	75 - 125
Magnesium, Dissolved	5000	4900		ug/L		98	75 - 125
Manganese	500	507		ug/L		101	75 - 125
Manganese, Dissolved	500	507		ug/L		101	75 - 125
Potassium	5000	5030		ug/L		101	75 - 125
Potassium, Dissolved	5000	5030		ug/L		101	75 - 125
Sodium	5000	4860		ug/L		97	75 - 125
Sodium, Dissolved	5000	4860		ug/L		97	75 - 125

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID:** MB 680-233292/2

**Matrix:** Water

**Analysis Batch:** 233292

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrate as N	<0.25		0.25		mg/L			03/30/12 11:40	5

**Lab Sample ID:** LCS 680-233292/3

**Matrix:** Water

**Analysis Batch:** 233292

Analyte	Spike	LCS	LCS	Unit	D	%Rec.	Limits	RPD	Limit
	Added	Result	Qualifier						
Nitrate as N	4.99	4.86		mg/L		97	90 - 110	0	30

**Lab Sample ID:** LCSD 680-233292/4

**Matrix:** Water

**Analysis Batch:** 233292

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec.	Limits	RPD	Limit
	Added	Result	Qualifier						
Nitrate as N	4.99	4.86		mg/L		97	90 - 110	0	30

**Lab Sample ID:** 680-78136-5 MS

**Matrix:** Water

**Analysis Batch:** 233292

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier				
Nitrate as N	<0.25		4.99	4.83		mg/L		97	90 - 110

**Lab Sample ID:** 680-78136-5 MSD

**Matrix:** Water

**Analysis Batch:** 233292

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier				
Nitrate as N	<0.25		4.99	4.83		mg/L		97	90 - 110

**Lab Sample ID:** MB 680-233297/2

**Matrix:** Water

**Analysis Batch:** 233297

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromide	<5.0		5.0		mg/L			03/31/12 14:37	5
Chloride	<5.0		5.0		mg/L			03/31/12 14:37	5
Sulfate	<5.0		5.0		mg/L			03/31/12 14:37	5

**Lab Sample ID:** LCS 680-233297/3

**Matrix:** Water

**Analysis Batch:** 233297

Analyte	Spike	LCS	LCS	Unit	D	%Rec.	Limits	RPD	Limit
	Added	Result	Qualifier						
Bromide	50.0	48.1		mg/L		96	90 - 110	0	30
Chloride	50.0	50.0		mg/L		100	90 - 110	0	30
Sulfate	50.0	53.5		mg/L		107	90 - 110	0	30

# QC Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID:** LCSD 680-233297/4

**Matrix:** Water

**Analysis Batch:** 233297

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Bromide	50.0	48.1		mg/L		96	90 - 110	0	30
Chloride	50.0	49.9		mg/L		100	90 - 110	0	30
Sulfate	50.0	53.5		mg/L		107	90 - 110	0	30

## Method: 410.4 - COD

**Lab Sample ID:** MB 680-233721/3

**Matrix:** Water

**Analysis Batch:** 233721

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<20		20		mg/L			04/09/12 14:25	1

**Lab Sample ID:** LCS 680-233721/4

**Matrix:** Water

**Analysis Batch:** 233721

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chemical Oxygen Demand	100	107		mg/L		107	90 - 110

## Method: SM 2320B - Alkalinity

**Lab Sample ID:** MB 680-233787/3

**Matrix:** Water

**Analysis Batch:** 233787

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<5.0		5.0		mg/L			04/07/12 14:36	1
Bicarbonate Alkalinity as CaCO <sub>3</sub>	<5.0		5.0		mg/L			04/07/12 14:36	1
Carbonate Alkalinity as CaCO <sub>3</sub>	<5.0		5.0		mg/L			04/07/12 14:36	1

**Lab Sample ID:** LCS 680-233787/4

**Matrix:** Water

**Analysis Batch:** 233787

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Alkalinity	250	236		mg/L		95	80 - 120

**Lab Sample ID:** LCSD 680-233787/30

**Matrix:** Water

**Analysis Batch:** 233787

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Alkalinity	250	240		mg/L		96	80 - 120	2	30

# QC Sample Results

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-78136-1

Project/Site: Cabot

## Method: SM 4500 S2 F - Sulfide, Total

**Lab Sample ID:** MB 680-233351/1

**Client Sample ID:** Method Blank

**Matrix:** Water

**Prep Type:** Total/NA

**Analysis Batch:** 233351

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Sulfide	<1.0		1.0	mg/L			04/04/12 16:34	1

**Lab Sample ID:** LCS 680-233351/2

**Client Sample ID:** Lab Control Sample

**Matrix:** Water

**Prep Type:** Total/NA

**Analysis Batch:** 233351

Analyte	Spike	LCS	LCS	Unit	D	%Rec.	Limits	RPD
	Added	Result	Qualifier					
Sulfide	9.98	9.84		mg/L		99	75 - 125	

**Lab Sample ID:** LCSD 680-233351/3

**Client Sample ID:** Lab Control Sample Dup

**Matrix:** Water

**Prep Type:** Total/NA

**Analysis Batch:** 233351

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec.	Limits	RPD
	Added	Result	Qualifier					
Sulfide	9.98	10.2		mg/L		102	75 - 125	4

# QC Association Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-78136-1

Project/Site: Cabot

## GC/MS VOA

### Analysis Batch: 233972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78136-2	HG-30S	Total/NA	Water	8260B	
680-78136-4	Equipment Blank	Total/NA	Water	8260B	
680-78136-6	HG-28S	Total/NA	Water	8260B	
680-78136-7	Trip Blank	Total/NA	Water	8260B	
LCS 680-233972/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-233972/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-233972/5	Method Blank	Total/NA	Water	8260B	

### Analysis Batch: 233973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78136-3	HG-29S	Total/NA	Water	8260B	
LCS 680-233973/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-233973/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-233973/5	Method Blank	Total/NA	Water	8260B	

## GC/MS Semi VOA

### Prep Batch: 233167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78136-2	HG-30S	Total/NA	Water	3520C	
680-78136-3	HG-29S	Total/NA	Water	3520C	
680-78136-4	Equipment Blank	Total/NA	Water	3520C	
680-78136-6	HG-28S	Total/NA	Water	3520C	
680-78136-6 MS	HG-28S	Total/NA	Water	3520C	
680-78136-6 MSD	HG-28S	Total/NA	Water	3520C	
LCS 680-233167/10-A	Lab Control Sample	Total/NA	Water	3520C	
MB 680-233167/9-A	Method Blank	Total/NA	Water	3520C	

### Analysis Batch: 233317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-233167/10-A	Lab Control Sample	Total/NA	Water	8270C	233167
MB 680-233167/9-A	Method Blank	Total/NA	Water	8270C	233167

### Analysis Batch: 233510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78136-2	HG-30S	Total/NA	Water	8270C	233167
680-78136-3	HG-29S	Total/NA	Water	8270C	233167
680-78136-4	Equipment Blank	Total/NA	Water	8270C	233167
680-78136-6	HG-28S	Total/NA	Water	8270C	233167
680-78136-6 MS	HG-28S	Total/NA	Water	8270C	233167
680-78136-6 MSD	HG-28S	Total/NA	Water	8270C	233167

## Metals

### Prep Batch: 233538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78136-2	HG-30S	Dissolved	Water	3005A	
680-78136-2	HG-30S	Total Recoverable	Water	3005A	
680-78136-3	HG-29S	Dissolved	Water	3005A	
680-78136-3	HG-29S	Total Recoverable	Water	3005A	
680-78136-4	Equipment Blank	Total Recoverable	Water	3005A	
680-78136-6	HG-28S	Dissolved	Water	3005A	

# QC Association Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-78136-1

Project/Site: Cabot

## Metals (Continued)

### Prep Batch: 233538 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78136-6	HG-28S	Total Recoverable	Water	3005A	
LCS 680-233538/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-233538/1-A	Method Blank	Total Recoverable	Water	3005A	

### Analysis Batch: 233857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78136-2	HG-30S	Dissolved	Water	6010B	233538
680-78136-2	HG-30S	Total Recoverable	Water	6010B	233538
680-78136-3	HG-29S	Dissolved	Water	6010B	233538
680-78136-3	HG-29S	Total Recoverable	Water	6010B	233538
680-78136-4	Equipment Blank	Total Recoverable	Water	6010B	233538
680-78136-6	HG-28S	Dissolved	Water	6010B	233538
680-78136-6	HG-28S	Total Recoverable	Water	6010B	233538
LCS 680-233538/2-A	Lab Control Sample	Total Recoverable	Water	6010B	233538
MB 680-233538/1-A	Method Blank	Total Recoverable	Water	6010B	233538

## General Chemistry

### Analysis Batch: 233292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78136-2	HG-30S	Total/NA	Water	300.0	
680-78136-3	HG-29S	Total/NA	Water	300.0	
680-78136-5	ITW-4	Total/NA	Water	300.0	
680-78136-5 MS	ITW-4	Total/NA	Water	300.0	
680-78136-5 MSD	ITW-4	Total/NA	Water	300.0	
680-78136-6	HG-28S	Total/NA	Water	300.0	
LCS 680-233292/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-233292/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-233292/2	Method Blank	Total/NA	Water	300.0	

### Analysis Batch: 233297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78136-2	HG-30S	Total/NA	Water	300.0	
680-78136-3	HG-29S	Total/NA	Water	300.0	
680-78136-6	HG-28S	Total/NA	Water	300.0	
LCS 680-233297/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-233297/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-233297/2	Method Blank	Total/NA	Water	300.0	

### Analysis Batch: 233351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78136-1	ITW-9	Total/NA	Water	SM 4500 S2 F	
LCS 680-233351/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCSD 680-233351/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 F	
MB 680-233351/1	Method Blank	Total/NA	Water	SM 4500 S2 F	

### Analysis Batch: 233721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78136-2	HG-30S	Total/NA	Water	410.4	
680-78136-3	HG-29S	Total/NA	Water	410.4	
680-78136-6	HG-28S	Total/NA	Water	410.4	
LCS 680-233721/4	Lab Control Sample	Total/NA	Water	410.4	

# QC Association Summary

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-78136-1

Project/Site: Cabot

## General Chemistry (Continued)

### Analysis Batch: 233721 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-233721/3	Method Blank	Total/NA	Water	410.4	

### Analysis Batch: 233787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78136-2	HG-30S	Total/NA	Water	SM 2320B	
680-78136-3	HG-29S	Total/NA	Water	SM 2320B	
680-78136-6	HG-28S	Total/NA	Water	SM 2320B	
LCS 680-233787/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 680-233787/30	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
MB 680-233787/3	Method Blank	Total/NA	Water	SM 2320B	

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica Savannah  
5102 LaRoche Avenue  
Savannah, GA 31404

Website: www.testamericalinc.com  
Phone: (912) 354-7858  
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:  
Fax:

Serial Number 51572

PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS	PAGE	OF
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.			STANDARD REPORT	1	
Mark Taylor	CLIENT PHONE	3085	CLIENT FAX		DATE DUE		
CLIENT SITE PM	CLIENT E-MAIL	304-201-3085			EXPEDITED REPORT		
CLIENT NAME	CLIENT ADDRESS	Mark.Taylor@westsolution.com			DELIVERY (SURCHARGE)		
COMPANY CONTRACTING THIS WORK (if applicable)							
SAMPLE IDENTIFICATION							
SAMPLE	DATE	TIME					REMARKS
3/29/12	0900	TTW-9					
3/29/12	11:30	46-305					
3/29/12	14:30	46-295					
3/29/12	17:00	Fall River Blk 6					
RELINQUISHED BY: (SIGNATURE)							
RECEIVED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	
		3/29/12	17:40	RECEIVED BY: (SIGNATURE)	DATE	TIME	
LABORATORY USE ONLY							
RECEIVED FOR LABORATORY BY:		DATE	TIME	CUSTODY INTACT YES <input checked="" type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
(Signature)		3/30/12	0904			308-78136	24/8.0°C
TA18240-680 (11/08)							

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## Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-78136-1

**Login Number: 78136**

**List Source: TestAmerica Savannah**

**List Number: 1**

**Creator: Conner, Keaton**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	False	-5,-6,-7 not listed on COC
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

## Certification Summary

Client: Weston Solutions, Inc.

Project/Site: Cabot

TestAmerica Job ID: 680-78136-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	State Program	6	N/A
TestAmerica Savannah	Arkansas DEQ	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	GA Dept. of Agriculture	State Program	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Georgia	State Program	4	N/A
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Kentucky (UST)	State Program	4	18
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina DENR	State Program	4	269
TestAmerica Savannah	North Carolina DHHS	State Program	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	Federal		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	NELAC	3	460161
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	State Program	3	9950C
TestAmerica Savannah	West Virginia DEP	State Program	3	94
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.