

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

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Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-151327-1

Client Project/Site: 4-Robe

For:

Environmental Restoration LLC

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Morrow, Georgia 30260

Attn: Art Slayton



Authorized for release by:

3/31/2018 2:31:56 PM

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

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

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Case Narrative

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Job ID: 400-151327-1

Laboratory: TestAmerica Pensacola

Narrative

CASE NARRATIVE

Client: Environmental Restoration LLC

Project: 4-Robe

Report Number: 400-151327-1

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 the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 03/23/2018; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 5.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample Oil Layer (400-151327-1) was analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 03/27/2018.

Sample Oil Layer (400-151327-1)[500X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample Water Layer (400-151327-3) was analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 03/28/2018.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample Oil Layer (400-151327-1) was analyzed for semivolatile organic compounds (GC-MS) in accordance with SW 846. The samples were prepared on 03/27/2018 and analyzed on 03/28/2018.

3-Nitroaniline failed the recovery criteria low for LCS 400-391688/2-A. 2-Nitrophenol failed the recovery criteria high. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Refer to the QC report for details.

Sample Oil Layer (400-151327-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

SEMIVOLATILE ORGANIC COMPOUNDS (AQUEOUS)

Sample Water Layer (400-151327-3) was analyzed for Semivolatile Organic Compounds (Aqueous) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 03/27/2018 and analyzed on 03/29/2018 and 03/30/2018.

2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl, Nitrobenzene-d5 (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) failed the surrogate recovery criteria high for Water Layer (400-151327-3). Evidence of matrix interference is present; therefore, re-extraction and re-analysis

Case Narrative

Client: Environmental Restoration LLC
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Laboratory: TestAmerica Pensacola (Continued)

was not performed.

Refer to the QC report for details.

Samples Water Layer (400-151327-3)[10X] and Water Layer (400-151327-3)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

METALS (ICP)

Sample Oil Layer (400-151327-1) was analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 03/27/2018 and analyzed on 03/28/2018.

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

METALS (ICP)

Sample Water Layer (400-151327-3) was analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 03/28/2018 and analyzed on 03/29/2018.

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

TOTAL MERCURY

Sample Water Layer (400-151327-3) was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 03/28/2018 and analyzed on 03/29/2018.

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

TOTAL MERCURY

Sample Oil Layer (400-151327-1) was analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 03/27/2018 and analyzed on 03/28/2018.

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

TOTAL HALOGENS (WASTE)

Samples Oil Layer (400-151327-1) and Water Layer (400-151327-4) were analyzed for total halogens (waste) in accordance with EPA SW-846 Method 9056. The samples were prepared on 03/27/2018 and analyzed on 03/28/2018.

Sample Oil Layer (400-151327-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

HEAT OF COMBUSTION

Sample Oil Layer (400-151327-1) was analyzed for heat of combustion in accordance with ASTM D240-87. The samples were prepared and analyzed on 03/27/2018.

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

HEAT OF COMBUSTION

Sample Water Layer (400-151327-3) was analyzed for heat of combustion in accordance with ASTM D240-87. The samples were prepared and analyzed on 03/27/2018.

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

Detection Summary

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Oil Layer

Lab Sample ID: 400-151327-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	28000		13000		ug/Kg	500		8260B	Total/NA
Isopropylbenzene	13000		13000		ug/Kg	500		8260B	Total/NA
Toluene	15000		13000		ug/Kg	500		8260B	Total/NA
Xylenes, Total	230000		25000		ug/Kg	500		8260B	Total/NA
2-Methylnaphthalene	3100000		2300000		ug/Kg	5		8270D	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
BTU	15000		100		BTU/lb	1		D240-87	Total/NA

Client Sample ID: Water Layer

Lab Sample ID: 400-151327-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		1.0		ug/L	1		8260B	Total/NA
Ethylbenzene	14		1.0		ug/L	1		8260B	Total/NA
Isopropylbenzene	2.8		1.0		ug/L	1		8260B	Total/NA
Toluene	23		1.0		ug/L	1		8260B	Total/NA
Xylenes, Total	120		10		ug/L	1		8260B	Total/NA
Acenaphthene	1700		1400		ug/L	10		8270D	Total/NA
Caprolactam	5900		1400		ug/L	10		8270D	Total/NA
1,1'-Biphenyl	1700		1400		ug/L	10		8270D	Total/NA
Fluorene	2100		1400		ug/L	10		8270D	Total/NA
Naphthalene	4600		1400		ug/L	10		8270D	Total/NA
2-Methylnaphthalene	27000		6900		ug/L	50		8270D	Total/NA
Phenanthrene	5200		1400		ug/L	10		8270D	Total/NA
Barium	0.097		0.010		mg/L	1		6010C	Total/NA
Cadmium	0.010		0.0050		mg/L	1		6010C	Total/NA
Chromium	0.066		0.010		mg/L	1		6010C	Total/NA
Lead	0.029		0.010		mg/L	1		6010C	Total/NA

Client Sample ID: Water Layer

Lab Sample ID: 400-151327-4

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Sample Summary

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-151327-1	Oil Layer	Waste	03/22/18 00:00	03/23/18 09:03
400-151327-3	Water Layer	Water	03/22/18 00:00	03/23/18 09:03
400-151327-4	Water Layer	Waste	03/22/18 00:00	03/23/18 09:03

Client Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Oil Layer

Date Collected: 03/22/18 00:00

Date Received: 03/23/18 09:03

Lab Sample ID: 400-151327-1

Matrix: Waste

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Dichlorobromomethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Acetone	<63000		63000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Bromoform	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
2-Butanone (MEK)	<63000		63000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Carbon disulfide	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Bromomethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Carbon tetrachloride	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Chlorobenzene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Chloroethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Chloroform	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Chloromethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Cyclohexane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Dibromochloromethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,2-Dibromo-3-Chloropropane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Ethylene Dibromide	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,2-Dichlorobenzene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,3-Dichlorobenzene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Dichlorodifluoromethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,1-Dichloroethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,2-Dichloroethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,1-Dichloroethene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
cis-1,2-Dichloroethene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
trans-1,2-Dichloroethene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,2-Dichloropropane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
cis-1,3-Dichloropropene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
trans-1,3-Dichloropropene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Ethylbenzene	28000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
2-Hexanone	<63000		63000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Isopropylbenzene	13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Methyl acetate	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Methylene Chloride	<38000		38000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Methylcyclohexane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Methyl tert-butyl ether	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
4-Methyl-2-pentanone (MIBK)	<63000		63000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Styrene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,1,2,2-Tetrachloroethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Tetrachloroethene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Toluene	15000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Trichloroethene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Trichlorofluoromethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,1,1-Trichloroethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,1,2-Trichloroethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,2,4-Trichlorobenzene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Vinyl chloride	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Xylenes, Total	230000		25000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,1,2-Trichloro-1,2,2-trifluoroethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,4-Dichlorobenzene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
1,2,3-Trichlorobenzene	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500

TestAmerica Pensacola

Client Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Oil Layer

Date Collected: 03/22/18 00:00

Date Received: 03/23/18 09:03

Lab Sample ID: 400-151327-1

Matrix: Waste

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	<13000		13000		ug/Kg		03/26/18 16:45	03/27/18 18:45	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		72 - 122				03/26/18 16:45	03/27/18 18:45	500
Toluene-d8 (Surr)	100		80 - 120				03/26/18 16:45	03/27/18 18:45	500
Dibromofluoromethane	97		79 - 123				03/26/18 16:45	03/27/18 18:45	500

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
4-Chloro-3-methylphenol	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
2-Chlorophenol	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
2,4-Dichlorophenol	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
2,4-Dimethylphenol	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
4,6-Dinitro-2-methylphenol	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
2,4-Dinitrophenol	<7000000		7000000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
2-Methylphenol	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
3 & 4 Methylphenol	<4700000		4700000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
2-Nitrophenol	<2300000 *		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
4-Nitrophenol	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Pentachlorophenol	<4700000		4700000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Phenol	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
2,4,5-Trichlorophenol	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
2,4,6-Trichlorophenol	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Acenaphthene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Acenaphthylene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Acetophenone	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Anthracene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Benzaldehyde	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Benzo[a]anthracene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Benzo[a]pyrene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Benzo[b]fluoranthene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Benzo[k]fluoranthene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
4-Bromophenyl phenyl ether	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Butyl benzyl phthalate	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Caprolactam	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Carbazole	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
4-Chloroaniline	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Bis(2-chloroethoxy)methane	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Bis(2-chloroethyl)ether	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
2-Chloronaphthalene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
4-Chlorophenyl phenyl ether	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Chrysene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Dibenz(a,h)anthracene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Dibenzofuran	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Di-n-butyl phthalate	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Di-n-octyl phthalate	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
3,3'-Dichlorobenzidine	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Diethyl phthalate	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Dimethyl phthalate	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5

TestAmerica Pensacola

Client Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Oil Layer

Lab Sample ID: 400-151327-1

Date Collected: 03/22/18 00:00

Matrix: Waste

Date Received: 03/23/18 09:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
2,6-Dinitrotoluene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
1,1'-Biphenyl	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Bis(2-ethylhexyl) phthalate	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Fluoranthene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Fluorene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Hexachlorobenzene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Hexachlorobutadiene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Hexachlorocyclopentadiene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Hexachloroethane	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Indeno[1,2,3-cd]pyrene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Isophorone	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Naphthalene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
2-Methylnaphthalene	3100000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
3-Nitroaniline	<2300000 *		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
4-Nitroaniline	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Nitrobenzene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
N-Nitrosodiphenylamine	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
N-Nitrosodi-n-propylamine	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Phenanthrene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Pyrene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
2,2'-oxybis(1-chloropropane)	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
2-Nitroaniline	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5
Benzo[g,h,i]perylene	<2300000		2300000		ug/Kg		03/27/18 15:32	03/28/18 13:57	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		32 - 133	03/27/18 15:32	03/28/18 13:57	5
2-Fluorobiphenyl	93		44 - 120	03/27/18 15:32	03/28/18 13:57	5
2-Fluorophenol (Surr)	88		25 - 120	03/27/18 15:32	03/28/18 13:57	5
Nitrobenzene-d5 (Surr)	94		27 - 120	03/27/18 15:32	03/28/18 13:57	5
Phenol-d5 (Surr)	87		37 - 120	03/27/18 15:32	03/28/18 13:57	5
Terphenyl-d14 (Surr)	104		36 - 134	03/27/18 15:32	03/28/18 13:57	5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.99		0.99		mg/Kg		03/27/18 10:00	03/28/18 14:55	1
Barium	<0.99		0.99		mg/Kg		03/27/18 10:00	03/28/18 14:55	1
Cadmium	<0.50		0.50		mg/Kg		03/27/18 10:00	03/28/18 14:55	1
Chromium	<0.99		0.99		mg/Kg		03/27/18 10:00	03/28/18 14:55	1
Lead	<0.99		0.99		mg/Kg		03/27/18 10:00	03/28/18 14:55	1
Selenium	<2.0		2.0		mg/Kg		03/27/18 10:00	03/28/18 14:55	1
Silver	<0.50		0.50		mg/Kg		03/27/18 10:00	03/28/18 14:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.015		0.015		mg/Kg		03/27/18 09:36	03/28/18 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Halogens	<630		630		mg/Kg		03/27/18 15:16	03/28/18 04:14	5

TestAmerica Pensacola

Client Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Oil Layer

Date Collected: 03/22/18 00:00

Date Received: 03/23/18 09:03

Lab Sample ID: 400-151327-1

Matrix: Waste

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
BTU	15000		100		BTU/lb		03/27/18 13:26	03/27/18 15:33	1

Client Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Water Layer

Date Collected: 03/22/18 00:00

Date Received: 03/23/18 09:03

Lab Sample ID: 400-151327-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.1		1.0		ug/L			03/28/18 09:39	1
Dichlorobromomethane	<1.0		1.0		ug/L			03/28/18 09:39	1
Acetone	<25		25		ug/L			03/28/18 09:39	1
Bromoform	<5.0		5.0		ug/L			03/28/18 09:39	1
2-Butanone (MEK)	<25		25		ug/L			03/28/18 09:39	1
Carbon disulfide	<1.0		1.0		ug/L			03/28/18 09:39	1
Bromomethane	<1.0		1.0		ug/L			03/28/18 09:39	1
Carbon tetrachloride	<1.0		1.0		ug/L			03/28/18 09:39	1
Chlorobenzene	<1.0		1.0		ug/L			03/28/18 09:39	1
Chloroethane	<1.0		1.0		ug/L			03/28/18 09:39	1
Chloroform	<1.0		1.0		ug/L			03/28/18 09:39	1
Chloromethane	<1.0		1.0		ug/L			03/28/18 09:39	1
Cyclohexane	<1.0		1.0		ug/L			03/28/18 09:39	1
Dibromochloromethane	<1.0		1.0		ug/L			03/28/18 09:39	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			03/28/18 09:39	1
Ethylene Dibromide	<1.0		1.0		ug/L			03/28/18 09:39	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			03/28/18 09:39	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			03/28/18 09:39	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			03/28/18 09:39	1
1,1-Dichloroethane	<1.0		1.0		ug/L			03/28/18 09:39	1
1,2-Dichloroethane	<1.0		1.0		ug/L			03/28/18 09:39	1
1,1-Dichloroethene	<1.0		1.0		ug/L			03/28/18 09:39	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			03/28/18 09:39	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			03/28/18 09:39	1
1,2-Dichloropropane	<1.0		1.0		ug/L			03/28/18 09:39	1
cis-1,3-Dichloropropene	<5.0		5.0		ug/L			03/28/18 09:39	1
trans-1,3-Dichloropropene	<5.0		5.0		ug/L			03/28/18 09:39	1
Ethylbenzene	14		1.0		ug/L			03/28/18 09:39	1
2-Hexanone	<25		25		ug/L			03/28/18 09:39	1
Isopropylbenzene	2.8		1.0		ug/L			03/28/18 09:39	1
Methyl acetate	<5.0		5.0		ug/L			03/28/18 09:39	1
Methylene Chloride	<5.0		5.0		ug/L			03/28/18 09:39	1
Methylcyclohexane	<1.0		1.0		ug/L			03/28/18 09:39	1
Methyl tert-butyl ether	<1.0		1.0		ug/L			03/28/18 09:39	1
4-Methyl-2-pentanone (MIBK)	<25		25		ug/L			03/28/18 09:39	1
Styrene	<1.0		1.0		ug/L			03/28/18 09:39	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			03/28/18 09:39	1
Tetrachloroethene	<1.0		1.0		ug/L			03/28/18 09:39	1
Toluene	23		1.0		ug/L			03/28/18 09:39	1
Trichloroethene	<1.0		1.0		ug/L			03/28/18 09:39	1
Trichlorofluoromethane	<1.0		1.0		ug/L			03/28/18 09:39	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			03/28/18 09:39	1
1,1,2-Trichloroethane	<5.0		5.0		ug/L			03/28/18 09:39	1
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			03/28/18 09:39	1
Vinyl chloride	<1.0		1.0		ug/L			03/28/18 09:39	1
Xylenes, Total	120		10		ug/L			03/28/18 09:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			03/28/18 09:39	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			03/28/18 09:39	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			03/28/18 09:39	1

TestAmerica Pensacola

Client Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Water Layer

Lab Sample ID: 400-151327-3

Date Collected: 03/22/18 00:00

Matrix: Water

Date Received: 03/23/18 09:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	<1.0		1.0		ug/L			03/28/18 09:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		78 - 118					03/28/18 09:39	1
Toluene-d8 (Surr)	103		80 - 120					03/28/18 09:39	1
Dibromofluoromethane	93		81 - 121					03/28/18 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
4-Chloro-3-methylphenol	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
2-Chlorophenol	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
2,4-Dichlorophenol	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
2,4-Dimethylphenol	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
4,6-Dinitro-2-methylphenol	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
2,4-Dinitrophenol	<4100		4100		ug/L		03/27/18 12:50	03/29/18 19:43	10
2-Methylphenol	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
3 & 4 Methylphenol	<2800		2800		ug/L		03/27/18 12:50	03/29/18 19:43	10
2-Nitrophenol	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
4-Nitrophenol	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Pentachlorophenol	<2800		2800		ug/L		03/27/18 12:50	03/29/18 19:43	10
Phenol	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
2,4,5-Trichlorophenol	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
2,4,6-Trichlorophenol	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Acenaphthene	1700		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Acenaphthylene	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Acetophenone	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Anthracene	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Benzaldehyde	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Benzo[a]anthracene	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Benzo[a]pyrene	<1400 *		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Benzo[b]fluoranthene	<1400 *		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Benzo[k]fluoranthene	<1400 *		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
4-Bromophenyl phenyl ether	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Butyl benzyl phthalate	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Caprolactam	5900		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Carbazole	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
4-Chloroaniline	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Bis(2-chloroethoxy)methane	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Bis(2-chloroethyl)ether	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
2-Chloronaphthalene	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
4-Chlorophenyl phenyl ether	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Chrysene	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Dibenz(a,h)anthracene	<1400 *		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Dibenzofuran	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Di-n-butyl phthalate	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Di-n-octyl phthalate	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
3,3'-Dichlorobenzidine	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Diethyl phthalate	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Dimethyl phthalate	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10

TestAmerica Pensacola

Client Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Water Layer

Date Collected: 03/22/18 00:00

Date Received: 03/23/18 09:03

Lab Sample ID: 400-151327-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
2,6-Dinitrotoluene	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
1,1'-Biphenyl	1700		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Bis(2-ethylhexyl) phthalate	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Fluoranthene	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Fluorene	2100		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Hexachlorobenzene	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Hexachlorobutadiene	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Hexachlorocyclopentadiene	<2800		2800		ug/L		03/27/18 12:50	03/29/18 19:43	10
Hexachloroethane	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Indeno[1,2,3-cd]pyrene	<1400 *		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Isophorone	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Naphthalene	4600		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
2-Methylnaphthalene	27000		6900		ug/L		03/27/18 12:50	03/30/18 22:13	50
3-Nitroaniline	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
4-Nitroaniline	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Nitrobenzene	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
N-Nitrosodiphenylamine	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
N-Nitrosodi-n-propylamine	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Phenanthrene	5200		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Pyrene	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
2,2'-oxybis(1-chloropropane)	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
2-Nitroaniline	<1400		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10
Benzo[g,h,i]perylene	<1400 *		1400		ug/L		03/27/18 12:50	03/29/18 19:43	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	330	X	15 - 135	03/27/18 12:50	03/29/18 19:43	10
2-Fluorobiphenyl	131	X	34 - 120	03/27/18 12:50	03/29/18 19:43	10
2-Fluorophenol (Surr)	59		10 - 120	03/27/18 12:50	03/29/18 19:43	10
Nitrobenzene-d5 (Surr)	363	X	27 - 120	03/27/18 12:50	03/29/18 19:43	10
Phenol-d5 (Surr)	356	X	10 - 120	03/27/18 12:50	03/29/18 19:43	10
Terphenyl-d14 (Surr)	144	X	53 - 125	03/27/18 12:50	03/29/18 19:43	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.0050		0.0050		mg/L		03/28/18 11:57	03/29/18 15:15	1
Arsenic	<0.010		0.010		mg/L		03/28/18 11:57	03/29/18 15:15	1
Barium	0.097		0.010		mg/L		03/28/18 11:57	03/29/18 15:15	1
Cadmium	0.010		0.0050		mg/L		03/28/18 11:57	03/29/18 15:15	1
Chromium	0.066		0.010		mg/L		03/28/18 11:57	03/29/18 15:15	1
Lead	0.029		0.010		mg/L		03/28/18 11:57	03/29/18 15:15	1
Selenium	<0.020		0.020		mg/L		03/28/18 11:57	03/29/18 15:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		03/28/18 12:41	03/29/18 15:58	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
BTU	<100		100		BTU/lb		03/27/18 12:45	03/27/18 15:29	1

TestAmerica Pensacola

Client Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Water Layer

Date Collected: 03/22/18 00:00

Date Received: 03/23/18 09:03

Lab Sample ID: 400-151327-4

Matrix: Waste

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Halogens	<120		120		mg/Kg		03/27/18 15:40	03/28/18 04:36	1

Definitions/Glossary

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Qualifiers

GC/MS Semi VOA

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

Glossary

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

Surrogate Summary

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Matrix: Waste

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (72-122)	TOL (80-120)	DBFM (79-123)
400-151327-1	Oil Layer	94	100	97
LCS 400-391677/2-A	Lab Control Sample	103	98	93
MB 400-391677/1-A	Method Blank	107	101	95

Surrogate Legend
BFB = 4-Bromofluorobenzene
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (78-118)	TOL (80-120)	DBFM (81-121)
400-151327-3	Water Layer	97	103	93
LCS 400-391743/1002	Lab Control Sample	93	103	96
MB 400-391743/4	Method Blank	96	102	95

Surrogate Legend
BFB = 4-Bromofluorobenzene
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane

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

Matrix: Waste

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (32-133)	FBP (44-120)	2FP (25-120)	NBZ (27-120)	PHL (37-120)	TPHL (36-134)
400-151327-1	Oil Layer	98	93	88	94	87	104
LCS 400-391688/2-A	Lab Control Sample	115	94	96	96	94	109
MB 400-391688/1-A	Method Blank	103	100	101	99	98	120

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (15-135)	FBP (34-120)	2FP (10-120)	NBZ (27-120)	PHL (10-120)	TPHL (53-125)
400-151327-3	Water Layer	330 X	131 X	59	363 X	356 X	144 X
LCS 400-391642/2-A	Lab Control Sample	91	81	68	76	75	87

TestAmerica Pensacola

Surrogate Summary

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (15-135)	FBP (34-120)	2FP (10-120)	NBZ (27-120)	PHL (10-120)	TPHL (53-125)
LCSD 400-391642/3-A	Lab Control Sample Dup	91	81	71	77	76	88
MB 400-391642/1-A	Method Blank	67	76	57	67	59	80

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

QC Association Summary

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

GC/MS VOA

Analysis Batch: 391655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-1	Oil Layer	Total/NA	Waste	8260B	391677
MB 400-391677/1-A	Method Blank	Total/NA	Waste	8260B	391677
LCS 400-391677/2-A	Lab Control Sample	Total/NA	Waste	8260B	391677

Prep Batch: 391677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-1	Oil Layer	Total/NA	Waste	5030B	
MB 400-391677/1-A	Method Blank	Total/NA	Waste	5030B	
LCS 400-391677/2-A	Lab Control Sample	Total/NA	Waste	5030B	

Analysis Batch: 391743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-3	Water Layer	Total/NA	Water	8260B	
MB 400-391743/4	Method Blank	Total/NA	Water	8260B	
LCS 400-391743/1002	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 391642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-3	Water Layer	Total/NA	Water	3520C	
MB 400-391642/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-391642/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-391642/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Prep Batch: 391688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-1	Oil Layer	Total/NA	Waste	3580A	
MB 400-391688/1-A	Method Blank	Total/NA	Waste	3580A	
LCS 400-391688/2-A	Lab Control Sample	Total/NA	Waste	3580A	

Analysis Batch: 391770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-1	Oil Layer	Total/NA	Waste	8270D	391688
MB 400-391688/1-A	Method Blank	Total/NA	Waste	8270D	391688
LCS 400-391688/2-A	Lab Control Sample	Total/NA	Waste	8270D	391688

Analysis Batch: 392008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-391642/1-A	Method Blank	Total/NA	Water	8270D	391642
LCS 400-391642/2-A	Lab Control Sample	Total/NA	Water	8270D	391642
LCSD 400-391642/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	391642

Analysis Batch: 392020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-3	Water Layer	Total/NA	Water	8270D	391642

Analysis Batch: 392139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-3	Water Layer	Total/NA	Water	8270D	391642

TestAmerica Pensacola

QC Association Summary

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Metals

Prep Batch: 391509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-1	Oil Layer	Total/NA	Waste	7471B	
MB 400-391509/14-A	Method Blank	Total/NA	Waste	7471B	
LCS 400-391509/15-A	Lab Control Sample	Total/NA	Waste	7471B	

Prep Batch: 391510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-1	Oil Layer	Total/NA	Waste	3050B	
MB 400-391510/1-A	Method Blank	Total/NA	Waste	3050B	
LCS 400-391510/2-A	Lab Control Sample	Total/NA	Waste	3050B	

Prep Batch: 391610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-3	Water Layer	Total/NA	Water	7470A	
MB 400-391610/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-391610/15-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 391826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-3	Water Layer	Total/NA	Water	3010A	
MB 400-391826/1-A	Method Blank	Total/NA	Water	3010A	
LCS 400-391826/2-A	Lab Control Sample	Total/NA	Water	3010A	

Analysis Batch: 391887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-1	Oil Layer	Total/NA	Waste	7471B	391509
MB 400-391509/14-A	Method Blank	Total/NA	Waste	7471B	391509
LCS 400-391509/15-A	Lab Control Sample	Total/NA	Waste	7471B	391509

Analysis Batch: 391915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-1	Oil Layer	Total/NA	Waste	6010C	391510
MB 400-391510/1-A	Method Blank	Total/NA	Waste	6010C	391510
LCS 400-391510/2-A	Lab Control Sample	Total/NA	Waste	6010C	391510

Analysis Batch: 392041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-3	Water Layer	Total/NA	Water	7470A	391610
MB 400-391610/14-A	Method Blank	Total/NA	Water	7470A	391610
LCS 400-391610/15-A	Lab Control Sample	Total/NA	Water	7470A	391610

Analysis Batch: 392083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-3	Water Layer	Total/NA	Water	6010C	391826
MB 400-391826/1-A	Method Blank	Total/NA	Water	6010C	391826
LCS 400-391826/2-A	Lab Control Sample	Total/NA	Water	6010C	391826

TestAmerica Pensacola

QC Association Summary

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

General Chemistry

Prep Batch: 391692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-1	Oil Layer	Total/NA	Waste	5050	
400-151327-4	Water Layer	Total/NA	Waste	5050	
MB 400-391692/1-A	Method Blank	Total/NA	Waste	5050	
LCS 400-391692/2-A	Lab Control Sample	Total/NA	Waste	5050	

Prep Batch: 391703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-1	Oil Layer	Total/NA	Waste	D240-87	
400-151327-3	Water Layer	Total/NA	Water	D240-87	
LCS 400-391703/1-A	Lab Control Sample	Total/NA	Waste	D240-87	
LCSD 400-391703/2-A	Lab Control Sample Dup	Total/NA	Waste	D240-87	
400-151327-3 DU	Water Layer	Total/NA	Water	D240-87	

Analysis Batch: 391816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-1	Oil Layer	Total/NA	Waste	9056	391692
400-151327-4	Water Layer	Total/NA	Waste	9056	391692
MB 400-391692/1-A	Method Blank	Total/NA	Waste	9056	391692
LCS 400-391692/2-A	Lab Control Sample	Total/NA	Waste	9056	391692

Analysis Batch: 391892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-151327-1	Oil Layer	Total/NA	Waste	D240-87	391703
400-151327-3	Water Layer	Total/NA	Water	D240-87	391703
LCS 400-391703/1-A	Lab Control Sample	Total/NA	Waste	D240-87	391703
LCSD 400-391703/2-A	Lab Control Sample Dup	Total/NA	Waste	D240-87	391703
400-151327-3 DU	Water Layer	Total/NA	Water	D240-87	391703

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: MB 400-391677/1-A

Matrix: Waste

Analysis Batch: 391655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 391677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Dichlorobromomethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Acetone	<1300		1300		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Bromoform	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
2-Butanone (MEK)	<1300		1300		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Carbon disulfide	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Bromomethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Carbon tetrachloride	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Chlorobenzene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Chloroethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Chloroform	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Chloromethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Cyclohexane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Dibromochloromethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
1,2-Dibromo-3-Chloropropane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Ethylene Dibromide	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
1,2-Dichlorobenzene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
1,3-Dichlorobenzene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Dichlorodifluoromethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
1,1-Dichloroethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
1,2-Dichloroethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
1,1-Dichloroethene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
cis-1,2-Dichloroethene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
trans-1,2-Dichloroethene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
1,2-Dichloropropane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
cis-1,3-Dichloropropene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
trans-1,3-Dichloropropene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Ethylbenzene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
2-Hexanone	<1300		1300		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Isopropylbenzene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Methyl acetate	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Methylene Chloride	<750		750		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Methylcyclohexane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Methyl tert-butyl ether	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
4-Methyl-2-pentanone (MIBK)	<1300		1300		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Styrene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
1,1,2,2-Tetrachloroethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Tetrachloroethene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Toluene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Trichloroethene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Trichlorofluoromethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
1,1,1-Trichloroethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
1,1,2-Trichloroethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
1,2,4-Trichlorobenzene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Vinyl chloride	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Xylenes, Total	<500		500		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
1,1,2-Trichloro-1,2,2-trifluoroethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
1,4-Dichlorobenzene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: MB 400-391677/1-A

Matrix: Waste

Analysis Batch: 391655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 391677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50
Chlorobromomethane	<250		250		ug/Kg		03/23/18 13:35	03/27/18 15:51	50

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		72 - 122	03/23/18 13:35	03/27/18 15:51	50
Toluene-d8 (Surr)	101		80 - 120	03/23/18 13:35	03/27/18 15:51	50
Dibromofluoromethane	95		79 - 123	03/23/18 13:35	03/27/18 15:51	50

Lab Sample ID: LCS 400-391677/2-A

Matrix: Waste

Analysis Batch: 391655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 391677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	2500	2470		ug/Kg		99	65 - 130
Dichlorobromomethane	2500	2130		ug/Kg		85	61 - 130
Acetone	10000	10200		ug/Kg		102	48 - 160
Bromoform	2500	1590		ug/Kg		63	52 - 136
2-Butanone (MEK)	10000	9360		ug/Kg		94	55 - 130
Carbon disulfide	2500	1930		ug/Kg		77	46 - 141
Bromomethane	2500	1060		ug/Kg		42	12 - 160
Carbon tetrachloride	2500	2020		ug/Kg		81	60 - 130
Chlorobenzene	2500	2390		ug/Kg		96	70 - 130
Chloroethane	2500	2210		ug/Kg		88	55 - 134
Chloroform	2500	2370		ug/Kg		95	62 - 130
Chloromethane	2500	2390		ug/Kg		96	49 - 136
Cyclohexane	2500	2330		ug/Kg		93	61 - 130
Dibromochloromethane	2500	1830		ug/Kg		73	58 - 132
1,2-Dibromo-3-Chloropropane	2500	1860		ug/Kg		75	49 - 130
Ethylene Dibromide	2500	2280		ug/Kg		91	67 - 130
1,2-Dichlorobenzene	2500	2330		ug/Kg		93	64 - 130
1,3-Dichlorobenzene	2500	2380		ug/Kg		95	66 - 130
Dichlorodifluoromethane	2500	2220		ug/Kg		89	34 - 143
1,1-Dichloroethane	2500	2300		ug/Kg		92	59 - 130
1,2-Dichloroethane	2500	2430		ug/Kg		97	62 - 130
1,1-Dichloroethene	2500	2370		ug/Kg		95	55 - 137
cis-1,2-Dichloroethene	2500	2450		ug/Kg		98	53 - 135
trans-1,2-Dichloroethene	2500	2270		ug/Kg		91	58 - 134
1,2-Dichloropropane	2500	2370		ug/Kg		95	64 - 130
cis-1,3-Dichloropropene	2500	2310		ug/Kg		92	61 - 130
trans-1,3-Dichloropropene	2500	2050		ug/Kg		82	60 - 130
Ethylbenzene	2500	2390		ug/Kg		96	70 - 130
2-Hexanone	10000	8820		ug/Kg		88	57 - 131
Isopropylbenzene	2500	2350		ug/Kg		94	70 - 130
Methyl acetate	5000	4960		ug/Kg		99	49 - 139
Methylene Chloride	2500	2320		ug/Kg		93	57 - 132
Methylcyclohexane	2500	2320		ug/Kg		93	64 - 130
Methyl tert-butyl ether	2500	2230		ug/Kg		89	63 - 130
4-Methyl-2-pentanone (MIBK)	10000	9700		ug/Kg		97	58 - 130

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: LCS 400-391677/2-A

Matrix: Waste

Analysis Batch: 391655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 391677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	2500	2270		ug/Kg		91	68 - 130
1,1,2,2-Tetrachloroethane	2500	2370		ug/Kg		95	60 - 131
Tetrachloroethene	2500	2080		ug/Kg		83	67 - 130
Toluene	2500	2390		ug/Kg		96	70 - 130
Trichloroethene	2500	2260		ug/Kg		90	65 - 130
Trichlorofluoromethane	2500	2750		ug/Kg		110	61 - 136
1,1,1-Trichloroethane	2500	2300		ug/Kg		92	63 - 130
1,1,2-Trichloroethane	2500	2420		ug/Kg		97	65 - 130
1,2,4-Trichlorobenzene	2500	2210		ug/Kg		88	56 - 138
Vinyl chloride	2500	2390		ug/Kg		96	52 - 132
Xylenes, Total	5000	4800		ug/Kg		96	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2500		ug/Kg		100	47 - 143
1,4-Dichlorobenzene	2500	2290		ug/Kg		91	65 - 130
1,2,3-Trichlorobenzene	2500	2240		ug/Kg		90	58 - 135
Chlorobromomethane	2500	2220		ug/Kg		89	65 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		72 - 122
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane	93		79 - 123

Lab Sample ID: MB 400-391743/4

Matrix: Water

Analysis Batch: 391743

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			03/28/18 08:27	1
Dichlorobromomethane	<1.0		1.0		ug/L			03/28/18 08:27	1
Acetone	<25		25		ug/L			03/28/18 08:27	1
Bromoform	<5.0		5.0		ug/L			03/28/18 08:27	1
2-Butanone (MEK)	<25		25		ug/L			03/28/18 08:27	1
Carbon disulfide	<1.0		1.0		ug/L			03/28/18 08:27	1
Bromomethane	<1.0		1.0		ug/L			03/28/18 08:27	1
Carbon tetrachloride	<1.0		1.0		ug/L			03/28/18 08:27	1
Chlorobenzene	<1.0		1.0		ug/L			03/28/18 08:27	1
Chloroethane	<1.0		1.0		ug/L			03/28/18 08:27	1
Chloroform	<1.0		1.0		ug/L			03/28/18 08:27	1
Chloromethane	<1.0		1.0		ug/L			03/28/18 08:27	1
Cyclohexane	<1.0		1.0		ug/L			03/28/18 08:27	1
Dibromochloromethane	<1.0		1.0		ug/L			03/28/18 08:27	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			03/28/18 08:27	1
Ethylene Dibromide	<1.0		1.0		ug/L			03/28/18 08:27	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			03/28/18 08:27	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			03/28/18 08:27	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			03/28/18 08:27	1
1,1-Dichloroethane	<1.0		1.0		ug/L			03/28/18 08:27	1
1,2-Dichloroethane	<1.0		1.0		ug/L			03/28/18 08:27	1

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: MB 400-391743/4

Matrix: Water

Analysis Batch: 391743

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<1.0		1.0		ug/L			03/28/18 08:27	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			03/28/18 08:27	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			03/28/18 08:27	1
1,2-Dichloropropane	<1.0		1.0		ug/L			03/28/18 08:27	1
cis-1,3-Dichloropropene	<5.0		5.0		ug/L			03/28/18 08:27	1
trans-1,3-Dichloropropene	<5.0		5.0		ug/L			03/28/18 08:27	1
Ethylbenzene	<1.0		1.0		ug/L			03/28/18 08:27	1
2-Hexanone	<25		25		ug/L			03/28/18 08:27	1
Isopropylbenzene	<1.0		1.0		ug/L			03/28/18 08:27	1
Methyl acetate	<5.0		5.0		ug/L			03/28/18 08:27	1
Methylene Chloride	<5.0		5.0		ug/L			03/28/18 08:27	1
Methylcyclohexane	<1.0		1.0		ug/L			03/28/18 08:27	1
Methyl tert-butyl ether	<1.0		1.0		ug/L			03/28/18 08:27	1
4-Methyl-2-pentanone (MIBK)	<25		25		ug/L			03/28/18 08:27	1
Styrene	<1.0		1.0		ug/L			03/28/18 08:27	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			03/28/18 08:27	1
Tetrachloroethene	<1.0		1.0		ug/L			03/28/18 08:27	1
Toluene	<1.0		1.0		ug/L			03/28/18 08:27	1
Trichloroethene	<1.0		1.0		ug/L			03/28/18 08:27	1
Trichlorofluoromethane	<1.0		1.0		ug/L			03/28/18 08:27	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			03/28/18 08:27	1
1,1,2-Trichloroethane	<5.0		5.0		ug/L			03/28/18 08:27	1
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			03/28/18 08:27	1
Vinyl chloride	<1.0		1.0		ug/L			03/28/18 08:27	1
Xylenes, Total	<10		10		ug/L			03/28/18 08:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.0		1.0		ug/L			03/28/18 08:27	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			03/28/18 08:27	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			03/28/18 08:27	1
Chlorobromomethane	<1.0		1.0		ug/L			03/28/18 08:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		78 - 118		03/28/18 08:27	1
Toluene-d8 (Surr)	102		80 - 120		03/28/18 08:27	1
Dibromofluoromethane	95		81 - 121		03/28/18 08:27	1

Lab Sample ID: LCS 400-391743/1002

Matrix: Water

Analysis Batch: 391743

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.1		ug/L		96	70 - 130
Dichlorobromomethane	50.0	44.4		ug/L		89	67 - 133
Acetone	200	184		ug/L		92	43 - 160
Bromoform	50.0	42.4		ug/L		85	57 - 140
2-Butanone (MEK)	200	214		ug/L		107	61 - 145
Carbon disulfide	50.0	42.3		ug/L		85	61 - 137
Bromomethane	50.0	26.9		ug/L		54	10 - 160
Carbon tetrachloride	50.0	44.1		ug/L		88	61 - 137

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: LCS 400-391743/1002

Matrix: Water

Analysis Batch: 391743

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	52.6		ug/L		105	70 - 130
Chloroethane	50.0	50.1		ug/L		100	55 - 141
Chloroform	50.0	47.1		ug/L		94	69 - 130
Chloromethane	50.0	37.2		ug/L		74	58 - 137
Cyclohexane	50.0	47.1		ug/L		94	70 - 130
Dibromochloromethane	50.0	47.4		ug/L		95	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	48.0		ug/L		96	54 - 135
Ethylene Dibromide	50.0	53.3		ug/L		107	70 - 130
1,2-Dichlorobenzene	50.0	55.1		ug/L		110	67 - 130
1,3-Dichlorobenzene	50.0	55.5		ug/L		111	70 - 130
Dichlorodifluoromethane	50.0	49.4		ug/L		99	41 - 146
1,1-Dichloroethane	50.0	46.6		ug/L		93	70 - 130
1,2-Dichloroethane	50.0	44.8		ug/L		90	69 - 130
1,1-Dichloroethene	50.0	46.6		ug/L		93	63 - 134
cis-1,2-Dichloroethene	50.0	46.6		ug/L		93	68 - 130
trans-1,2-Dichloroethene	50.0	48.7		ug/L		97	70 - 130
1,2-Dichloropropane	50.0	46.5		ug/L		93	70 - 130
cis-1,3-Dichloropropene	50.0	45.6		ug/L		91	69 - 132
trans-1,3-Dichloropropene	50.0	47.8		ug/L		96	63 - 130
Ethylbenzene	50.0	52.1		ug/L		104	70 - 130
2-Hexanone	200	196		ug/L		98	65 - 137
Isopropylbenzene	50.0	51.8		ug/L		104	70 - 130
Methyl acetate	100	87.0		ug/L		87	45 - 159
Methylene Chloride	50.0	46.4		ug/L		93	66 - 135
Methylcyclohexane	50.0	47.9		ug/L		96	70 - 130
Methyl tert-butyl ether	50.0	47.7		ug/L		95	66 - 130
4-Methyl-2-pentanone (MIBK)	200	180		ug/L		90	69 - 138
Styrene	50.0	52.0		ug/L		104	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 131
Tetrachloroethene	50.0	53.6		ug/L		107	65 - 130
Toluene	50.0	52.0		ug/L		104	70 - 130
Trichloroethene	50.0	49.5		ug/L		99	70 - 130
Trichlorofluoromethane	50.0	49.2		ug/L		98	65 - 138
1,1,1-Trichloroethane	50.0	46.3		ug/L		93	68 - 130
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	70 - 130
1,2,4-Trichlorobenzene	50.0	55.7		ug/L		111	60 - 140
Vinyl chloride	50.0	44.3		ug/L		89	59 - 136
Xylenes, Total	100	102		ug/L		102	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.9		ug/L		98	60 - 139
1,4-Dichlorobenzene	50.0	54.5		ug/L		109	70 - 130
1,2,3-Trichlorobenzene	50.0	55.5		ug/L		111	60 - 138
Chlorobromomethane	50.0	52.4		ug/L		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	93		78 - 118
Toluene-d8 (Surr)	103		80 - 120
Dibromofluoromethane	96		81 - 121

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: MB 400-391642/1-A

Matrix: Water

Analysis Batch: 392008

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 391642

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
4-Chloro-3-methylphenol	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
2-Chlorophenol	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
2,4-Dichlorophenol	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
2,4-Dimethylphenol	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
4,6-Dinitro-2-methylphenol	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
2,4-Dinitrophenol	<30		30		ug/L		03/27/18 12:50	03/29/18 21:55	1
2-Methylphenol	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
3 & 4 Methylphenol	<20		20		ug/L		03/27/18 12:50	03/29/18 21:55	1
2-Nitrophenol	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
4-Nitrophenol	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Pentachlorophenol	<20		20		ug/L		03/27/18 12:50	03/29/18 21:55	1
Phenol	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
2,4,5-Trichlorophenol	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
2,4,6-Trichlorophenol	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Acenaphthene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Acenaphthylene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Acetophenone	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Anthracene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Benzaldehyde	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Benzo[a]anthracene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Benzo[a]pyrene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Benzo[b]fluoranthene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Benzo[k]fluoranthene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
4-Bromophenyl phenyl ether	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Butyl benzyl phthalate	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Caprolactam	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Carbazole	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
4-Chloroaniline	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Bis(2-chloroethoxy)methane	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Bis(2-chloroethyl)ether	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
2-Chloronaphthalene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
4-Chlorophenyl phenyl ether	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Chrysene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Dibenz(a,h)anthracene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Dibenzofuran	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Di-n-butyl phthalate	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Di-n-octyl phthalate	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
3,3'-Dichlorobenzidine	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Diethyl phthalate	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Dimethyl phthalate	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
2,4-Dinitrotoluene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
2,6-Dinitrotoluene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
1,1'-Biphenyl	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Bis(2-ethylhexyl) phthalate	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Fluoranthene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Fluorene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Hexachlorobenzene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: MB 400-391642/1-A

Matrix: Water

Analysis Batch: 392008

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 391642

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Hexachlorocyclopentadiene	<20		20		ug/L		03/27/18 12:50	03/29/18 21:55	1
Hexachloroethane	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Indeno[1,2,3-cd]pyrene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Isophorone	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Naphthalene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
2-Methylnaphthalene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
3-Nitroaniline	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
4-Nitroaniline	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Nitrobenzene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
N-Nitrosodiphenylamine	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
N-Nitrosodi-n-propylamine	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Phenanthrene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Pyrene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
2,2'-oxybis(1-chloropropane)	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
2-Nitroaniline	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1
Benzo[g,h,i]perylene	<10		10		ug/L		03/27/18 12:50	03/29/18 21:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	67		15 - 135	03/27/18 12:50	03/29/18 21:55	1
2-Fluorobiphenyl	76		34 - 120	03/27/18 12:50	03/29/18 21:55	1
2-Fluorophenol (Surr)	57		10 - 120	03/27/18 12:50	03/29/18 21:55	1
Nitrobenzene-d5 (Surr)	67		27 - 120	03/27/18 12:50	03/29/18 21:55	1
Phenol-d5 (Surr)	59		10 - 120	03/27/18 12:50	03/29/18 21:55	1
Terphenyl-d14 (Surr)	80		53 - 125	03/27/18 12:50	03/29/18 21:55	1

Lab Sample ID: LCS 400-391642/2-A

Matrix: Water

Analysis Batch: 392008

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 391642

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4-Chloro-3-methylphenol	30.0	26.0		ug/L		87	39 - 140
2-Chlorophenol	30.0	22.5		ug/L		75	34 - 120
2,4-Dichlorophenol	30.0	25.1		ug/L		84	39 - 128
2,4-Dimethylphenol	30.0	25.1		ug/L		84	44 - 120
4,6-Dinitro-2-methylphenol	60.0	49.7		ug/L		83	10 - 150
2,4-Dinitrophenol	60.0	52.4		ug/L		87	10 - 150
2-Methylphenol	30.0	23.3		ug/L		78	39 - 123
3 & 4 Methylphenol	30.0	23.9		ug/L		80	38 - 121
2-Nitrophenol	30.0	25.1		ug/L		84	28 - 136
4-Nitrophenol	60.0	42.9		ug/L		72	10 - 150
Pentachlorophenol	60.0	54.7		ug/L		91	15 - 141
Phenol	30.0	22.1		ug/L		74	33 - 120
2,4,5-Trichlorophenol	30.0	26.9		ug/L		90	38 - 147
2,4,6-Trichlorophenol	30.0	25.9		ug/L		86	36 - 139
Acenaphthene	30.0	24.9		ug/L		83	54 - 126
Acenaphthylene	30.0	24.8		ug/L		83	45 - 132
Anthracene	30.0	25.4		ug/L		85	63 - 120

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: LCS 400-391642/2-A

Matrix: Water

Analysis Batch: 392008

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 391642

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	30.0	23.4		ug/L		78	60 - 120
Benzo[a]pyrene	30.0	22.8		ug/L		76	56 - 126
Benzo[b]fluoranthene	30.0	22.0		ug/L		73	35 - 150
Benzo[k]fluoranthene	30.0	24.0		ug/L		80	53 - 132
4-Bromophenyl phenyl ether	30.0	24.7		ug/L		82	55 - 122
Butyl benzyl phthalate	30.0	25.5		ug/L		85	46 - 145
Carbazole	30.0	26.9		ug/L		90	57 - 143
4-Chloroaniline	30.0	14.7		ug/L		49	30 - 120
Bis(2-chloroethoxy)methane	30.0	23.4		ug/L		78	45 - 120
Bis(2-chloroethyl)ether	30.0	22.5		ug/L		75	48 - 120
2-Chloronaphthalene	30.0	23.9		ug/L		80	52 - 120
4-Chlorophenyl phenyl ether	30.0	25.1		ug/L		84	58 - 124
Chrysene	30.0	23.2		ug/L		77	61 - 123
Dibenz(a,h)anthracene	30.0	22.6		ug/L		75	44 - 150
Dibenzofuran	30.0	25.0		ug/L		83	58 - 123
Di-n-butyl phthalate	30.0	25.4		ug/L		85	55 - 131
Di-n-octyl phthalate	30.0	26.0		ug/L		87	50 - 150
Diethyl phthalate	30.0	26.2		ug/L		87	44 - 146
Dimethyl phthalate	30.0	24.4		ug/L		81	50 - 131
2,4-Dinitrotoluene	30.0	26.4		ug/L		88	58 - 140
2,6-Dinitrotoluene	30.0	27.4		ug/L		91	57 - 130
Bis(2-ethylhexyl) phthalate	30.0	25.5		ug/L		85	48 - 150
Fluoranthene	30.0	25.6		ug/L		85	58 - 129
Fluorene	30.0	25.8		ug/L		86	54 - 125
Hexachlorobenzene	30.0	24.8		ug/L		83	52 - 131
Hexachlorobutadiene	30.0	19.5		ug/L		65	48 - 120
Hexachlorocyclopentadiene	30.0	9.86	J	ug/L		33	10 - 129
Hexachloroethane	30.0	19.6		ug/L		65	41 - 120
Indeno[1,2,3-cd]pyrene	30.0	23.7		ug/L		79	44 - 150
Isophorone	30.0	22.9		ug/L		76	49 - 120
Naphthalene	30.0	23.1		ug/L		77	50 - 120
2-Methylnaphthalene	30.0	25.0		ug/L		83	55 - 120
3-Nitroaniline	30.0	21.1		ug/L		70	34 - 132
4-Nitroaniline	30.0	21.8		ug/L		73	41 - 135
Nitrobenzene	30.0	23.0		ug/L		77	47 - 120
N-Nitrosodiphenylamine	29.8	24.9		ug/L		84	56 - 120
N-Nitrosodi-n-propylamine	30.0	22.8		ug/L		76	44 - 120
Phenanthrene	30.0	24.9		ug/L		83	63 - 120
Pyrene	30.0	24.7		ug/L		82	49 - 135
2,2'-oxybis(1-chloropropane)	30.0	21.2		ug/L		71	30 - 125
2-Nitroaniline	30.0	22.8		ug/L		76	47 - 150
Benzo[g,h,i]perylene	30.0	23.2		ug/L		77	40 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	91		15 - 135
2-Fluorobiphenyl	81		34 - 120
2-Fluorophenol (Surr)	68		10 - 120
Nitrobenzene-d5 (Surr)	76		27 - 120

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: LCS 400-391642/2-A

Matrix: Water

Analysis Batch: 392008

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 391642

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Phenol-d5 (Surr)	75		10 - 120
Terphenyl-d14 (Surr)	87		53 - 125

Lab Sample ID: LCSD 400-391642/3-A

Matrix: Water

Analysis Batch: 392008

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 391642

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chloro-3-methylphenol	30.0	26.1		ug/L		87	39 - 140	0	30
2-Chlorophenol	30.0	23.3		ug/L		78	34 - 120	4	30
2,4-Dichlorophenol	30.0	25.6		ug/L		85	39 - 128	2	30
2,4-Dimethylphenol	30.0	25.5		ug/L		85	44 - 120	2	30
4,6-Dinitro-2-methylphenol	60.0	51.6		ug/L		86	10 - 150	4	30
2,4-Dinitrophenol	60.0	54.7		ug/L		91	10 - 150	4	30
2-Methylphenol	30.0	23.8		ug/L		79	39 - 123	2	30
3 & 4 Methylphenol	30.0	24.1		ug/L		80	38 - 121	1	30
2-Nitrophenol	30.0	25.9		ug/L		86	28 - 136	3	30
4-Nitrophenol	60.0	43.9		ug/L		73	10 - 150	2	30
Pentachlorophenol	60.0	55.1		ug/L		92	15 - 141	1	30
Phenol	30.0	22.8		ug/L		76	33 - 120	3	30
2,4,5-Trichlorophenol	30.0	27.2		ug/L		91	38 - 147	1	30
2,4,6-Trichlorophenol	30.0	26.6		ug/L		89	36 - 139	3	30
Acenaphthene	30.0	25.5		ug/L		85	54 - 126	3	30
Acenaphthylene	30.0	25.3		ug/L		84	45 - 132	2	30
Anthracene	30.0	25.8		ug/L		86	63 - 120	2	30
Benzo[a]anthracene	30.0	24.5		ug/L		82	60 - 120	5	30
Benzo[a]pyrene	30.0	23.7		ug/L		79	56 - 126	4	30
Benzo[b]fluoranthene	30.0	22.6		ug/L		75	35 - 150	3	30
Benzo[k]fluoranthene	30.0	24.9		ug/L		83	53 - 132	4	30
4-Bromophenyl phenyl ether	30.0	25.1		ug/L		84	55 - 122	2	30
Butyl benzyl phthalate	30.0	26.2		ug/L		87	46 - 145	3	30
Carbazole	30.0	27.9		ug/L		93	57 - 143	4	30
4-Chloroaniline	30.0	15.3		ug/L		51	30 - 120	4	30
Bis(2-chloroethoxy)methane	30.0	23.7		ug/L		79	45 - 120	1	30
Bis(2-chloroethyl)ether	30.0	23.0		ug/L		77	48 - 120	2	30
2-Chloronaphthalene	30.0	24.4		ug/L		81	52 - 120	2	30
4-Chlorophenyl phenyl ether	30.0	25.6		ug/L		85	58 - 124	2	30
Chrysene	30.0	24.2		ug/L		81	61 - 123	5	30
Dibenz(a,h)anthracene	30.0	24.3		ug/L		81	44 - 150	7	30
Dibenzofuran	30.0	25.6		ug/L		85	58 - 123	2	30
Di-n-butyl phthalate	30.0	25.8		ug/L		86	55 - 131	2	30
Di-n-octyl phthalate	30.0	26.6		ug/L		89	50 - 150	3	30
Diethyl phthalate	30.0	26.8		ug/L		89	44 - 146	2	30
Dimethyl phthalate	30.0	25.5		ug/L		85	50 - 131	4	30
2,4-Dinitrotoluene	30.0	27.1		ug/L		90	58 - 140	2	30
2,6-Dinitrotoluene	30.0	28.1		ug/L		94	57 - 130	3	30
Bis(2-ethylhexyl) phthalate	30.0	26.0		ug/L		87	48 - 150	2	30
Fluoranthene	30.0	25.8		ug/L		86	58 - 129	1	30

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: LCSD 400-391642/3-A

Matrix: Water

Analysis Batch: 392008

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 391642

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluorene	30.0	26.3		ug/L		88	54 - 125	2	30
Hexachlorobenzene	30.0	25.2		ug/L		84	52 - 131	1	30
Hexachlorobutadiene	30.0	19.9		ug/L		66	48 - 120	2	30
Hexachlorocyclopentadiene	30.0	9.79	J	ug/L		33	10 - 129	1	30
Hexachloroethane	30.0	20.0		ug/L		67	41 - 120	2	30
Indeno[1,2,3-cd]pyrene	30.0	25.3		ug/L		84	44 - 150	7	30
Isophorone	30.0	22.9		ug/L		76	49 - 120	0	30
Naphthalene	30.0	23.6		ug/L		79	50 - 120	2	30
2-Methylnaphthalene	30.0	25.2		ug/L		84	55 - 120	1	30
3-Nitroaniline	30.0	21.9		ug/L		73	34 - 132	4	30
4-Nitroaniline	30.0	22.8		ug/L		76	41 - 135	4	30
Nitrobenzene	30.0	23.5		ug/L		78	47 - 120	2	30
N-Nitrosodiphenylamine	29.8	25.1		ug/L		84	56 - 120	1	30
N-Nitrosodi-n-propylamine	30.0	23.2		ug/L		77	44 - 120	2	30
Phenanthrene	30.0	25.4		ug/L		85	63 - 120	2	30
Pyrene	30.0	25.6		ug/L		85	49 - 135	4	30
2,2'-oxybis(1-chloropropane)	30.0	21.7		ug/L		72	30 - 125	3	30
2-Nitroaniline	30.0	23.6		ug/L		79	47 - 150	3	30
Benzo[g,h,i]perylene	30.0	24.8		ug/L		83	40 - 150	6	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	91		15 - 135
2-Fluorobiphenyl	81		34 - 120
2-Fluorophenol (Surr)	71		10 - 120
Nitrobenzene-d5 (Surr)	77		27 - 120
Phenol-d5 (Surr)	76		10 - 120
Terphenyl-d14 (Surr)	88		53 - 125

Lab Sample ID: MB 400-391688/1-A

Matrix: Waste

Analysis Batch: 391770

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 391688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
4-Chloro-3-methylphenol	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
2-Chlorophenol	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
2,4-Dichlorophenol	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
2,4-Dimethylphenol	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
4,6-Dinitro-2-methylphenol	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
2,4-Dinitrophenol	<1500000		1500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
2-Methylphenol	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
3 & 4 Methylphenol	<990000		990000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
2-Nitrophenol	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
4-Nitrophenol	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Pentachlorophenol	<990000		990000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Phenol	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
2,4,5-Trichlorophenol	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
2,4,6-Trichlorophenol	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: MB 400-391688/1-A

Matrix: Waste

Analysis Batch: 391770

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 391688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Acenaphthylene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Acetophenone	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Anthracene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Benzaldehyde	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Benzo[a]anthracene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Benzo[a]pyrene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Benzo[b]fluoranthene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Benzo[k]fluoranthene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
4-Bromophenyl phenyl ether	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Butyl benzyl phthalate	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Caprolactam	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Carbazole	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
4-Chloroaniline	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Bis(2-chloroethoxy)methane	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Bis(2-chloroethyl)ether	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
2-Chloronaphthalene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
4-Chlorophenyl phenyl ether	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Chrysene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Dibenz(a,h)anthracene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Dibenzofuran	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Di-n-butyl phthalate	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Di-n-octyl phthalate	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
3,3'-Dichlorobenzidine	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Diethyl phthalate	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Dimethyl phthalate	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
2,4-Dinitrotoluene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
2,6-Dinitrotoluene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
1,1'-Biphenyl	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Bis(2-ethylhexyl) phthalate	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Fluoranthene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Fluorene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Hexachlorobenzene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Hexachlorobutadiene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Hexachlorocyclopentadiene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Hexachloroethane	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Indeno[1,2,3-cd]pyrene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Isophorone	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Naphthalene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
2-Methylnaphthalene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
3-Nitroaniline	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
4-Nitroaniline	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Nitrobenzene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
N-Nitrosodiphenylamine	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
N-Nitrosodi-n-propylamine	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Phenanthrene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Pyrene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
2,2'-oxybis(1-chloropropane)	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: MB 400-391688/1-A

Matrix: Waste

Analysis Batch: 391770

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 391688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1
Benzo[g,h,i]perylene	<500000		500000		ug/Kg		03/27/18 15:32	03/28/18 11:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	103		32 - 133	03/27/18 15:32	03/28/18 11:11	1
2-Fluorobiphenyl	100		44 - 120	03/27/18 15:32	03/28/18 11:11	1
2-Fluorophenol (Surr)	101		25 - 120	03/27/18 15:32	03/28/18 11:11	1
Nitrobenzene-d5 (Surr)	99		27 - 120	03/27/18 15:32	03/28/18 11:11	1
Phenol-d5 (Surr)	98		37 - 120	03/27/18 15:32	03/28/18 11:11	1
Terphenyl-d14 (Surr)	120		36 - 134	03/27/18 15:32	03/28/18 11:11	1

Lab Sample ID: LCS 400-391688/2-A

Matrix: Waste

Analysis Batch: 391770

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 391688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloro-3-methylphenol	1250000	1220000		ug/Kg		97	66 - 121
2-Chlorophenol	1250000	1130000		ug/Kg		90	60 - 120
2,4-Dichlorophenol	1250000	1170000		ug/Kg		94	67 - 120
2,4-Dimethylphenol	1250000	1150000		ug/Kg		92	65 - 120
4,6-Dinitro-2-methylphenol	2500000	2400000		ug/Kg		96	40 - 126
2,4-Dinitrophenol	2500000	2450000		ug/Kg		98	23 - 124
2-Methylphenol	1250000	1110000		ug/Kg		89	55 - 120
3 & 4 Methylphenol	1250000	1120000		ug/Kg		89	47 - 134
2-Nitrophenol	1250000	1770000	*	ug/Kg		142	56 - 120
4-Nitrophenol	2500000	2040000		ug/Kg		82	34 - 148
Pentachlorophenol	2500000	2200000		ug/Kg		88	30 - 136
Phenol	1250000	1090000		ug/Kg		88	54 - 120
2,4,5-Trichlorophenol	1250000	1090000		ug/Kg		87	62 - 120
2,4,6-Trichlorophenol	1250000	1170000		ug/Kg		94	59 - 120
Acenaphthene	1250000	1130000		ug/Kg		90	50 - 120
Acenaphthylene	1250000	1140000		ug/Kg		92	50 - 120
Anthracene	1250000	1150000		ug/Kg		92	50 - 120
Benzo[a]anthracene	1250000	1120000		ug/Kg		90	50 - 120
Benzo[a]pyrene	1250000	1110000		ug/Kg		89	50 - 120
Benzo[b]fluoranthene	1250000	1130000		ug/Kg		90	50 - 121
Benzo[k]fluoranthene	1250000	1090000		ug/Kg		87	50 - 123
4-Bromophenyl phenyl ether	1250000	1120000		ug/Kg		90	51 - 130
Butyl benzyl phthalate	1250000	1240000		ug/Kg		99	55 - 135
Carbazole	1250000	1190000		ug/Kg		95	69 - 121
4-Chloroaniline	1250000	545000		ug/Kg		44	36 - 120
Bis(2-chloroethoxy)methane	1250000	1060000		ug/Kg		85	60 - 120
Bis(2-chloroethyl)ether	1250000	1140000		ug/Kg		92	55 - 120
2-Chloronaphthalene	1250000	1110000		ug/Kg		89	34 - 137
4-Chlorophenyl phenyl ether	1250000	1150000		ug/Kg		92	62 - 122
Chrysene	1250000	1120000		ug/Kg		89	50 - 120
Dibenz(a,h)anthracene	1250000	1000000		ug/Kg		80	50 - 130
Dibenzofuran	1250000	1180000		ug/Kg		95	65 - 120

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: LCS 400-391688/2-A

Matrix: Waste

Analysis Batch: 391770

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 391688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Di-n-butyl phthalate	1250000	1150000		ug/Kg		92	67 - 132
Di-n-octyl phthalate	1250000	1090000		ug/Kg		87	58 - 132
Diethyl phthalate	1250000	1200000		ug/Kg		96	62 - 124
Dimethyl phthalate	1250000	1140000		ug/Kg		92	52 - 123
2,4-Dinitrotoluene	1250000	1210000		ug/Kg		97	59 - 128
2,6-Dinitrotoluene	1250000	1140000		ug/Kg		92	51 - 130
Bis(2-ethylhexyl) phthalate	1250000	1200000		ug/Kg		96	59 - 136
Fluoranthene	1250000	1150000		ug/Kg		92	50 - 123
Fluorene	1250000	1210000		ug/Kg		97	50 - 120
Hexachlorobenzene	1250000	1220000		ug/Kg		98	57 - 131
Hexachlorobutadiene	1250000	1210000		ug/Kg		97	56 - 120
Hexachlorocyclopentadiene	1250000	1080000		ug/Kg		86	1 - 153
Hexachloroethane	1250000	1170000		ug/Kg		94	53 - 120
Indeno[1,2,3-cd]pyrene	1250000	1060000		ug/Kg		85	50 - 133
Isophorone	1250000	1060000		ug/Kg		85	63 - 120
Naphthalene	1250000	1120000		ug/Kg		90	50 - 120
2-Methylnaphthalene	1250000	1210000		ug/Kg		96	50 - 120
3-Nitroaniline	1250000	312000	J *	ug/Kg		25	34 - 132
4-Nitroaniline	1250000	512000		ug/Kg		41	33 - 141
Nitrobenzene	1250000	1100000		ug/Kg		88	53 - 125
N-Nitrosodiphenylamine	1240000	951000		ug/Kg		77	16 - 160
N-Nitrosodi-n-propylamine	1250000	1060000		ug/Kg		85	34 - 150
Phenanthrene	1250000	1120000		ug/Kg		90	50 - 130
Pyrene	1250000	1260000		ug/Kg		100	50 - 127
2,2'-oxybis(1-chloropropane)	1250000	914000		ug/Kg		73	20 - 140
2-Nitroaniline	1250000	1060000		ug/Kg		85	51 - 128
Benzo[g,h,i]perylene	1250000	1080000		ug/Kg		87	49 - 151

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	115		32 - 133
2-Fluorobiphenyl	94		44 - 120
2-Fluorophenol (Surr)	96		25 - 120
Nitrobenzene-d5 (Surr)	96		27 - 120
Phenol-d5 (Surr)	94		37 - 120
Terphenyl-d14 (Surr)	109		36 - 134

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 400-391510/1-A

Matrix: Waste

Analysis Batch: 391915

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 391510

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<1.0		1.0		mg/Kg		03/27/18 10:00	03/28/18 14:39	1
Barium	<1.0		1.0		mg/Kg		03/27/18 10:00	03/28/18 14:39	1
Cadmium	<0.50		0.50		mg/Kg		03/27/18 10:00	03/28/18 14:39	1
Chromium	<1.0		1.0		mg/Kg		03/27/18 10:00	03/28/18 14:39	1
Lead	<1.0		1.0		mg/Kg		03/27/18 10:00	03/28/18 14:39	1

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

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

Lab Sample ID: MB 400-391510/1-A

Matrix: Waste

Analysis Batch: 391915

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 391510

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<2.0		2.0		mg/Kg		03/27/18 10:00	03/28/18 14:39	1
Silver	<0.50		0.50		mg/Kg		03/27/18 10:00	03/28/18 14:39	1

Lab Sample ID: LCS 400-391510/2-A

Matrix: Waste

Analysis Batch: 391915

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 391510

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	95.3	94.7		mg/Kg		99	80 - 120
Barium	95.3	100		mg/Kg		105	80 - 120
Cadmium	47.6	46.8		mg/Kg		98	80 - 120
Chromium	95.3	96.2		mg/Kg		101	80 - 120
Lead	95.3	93.1		mg/Kg		98	80 - 120
Selenium	95.3	88.2		mg/Kg		93	80 - 120
Silver	47.6	46.2		mg/Kg		97	80 - 120

Lab Sample ID: MB 400-391826/1-A

Matrix: Water

Analysis Batch: 392083

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 391826

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.010		mg/L		03/28/18 11:57	03/29/18 14:20	1
Barium	<0.010		0.010		mg/L		03/28/18 11:57	03/29/18 14:20	1
Cadmium	<0.0050		0.0050		mg/L		03/28/18 11:57	03/29/18 14:20	1
Chromium	<0.010		0.010		mg/L		03/28/18 11:57	03/29/18 14:20	1
Lead	<0.010		0.010		mg/L		03/28/18 11:57	03/29/18 14:20	1
Selenium	<0.020		0.020		mg/L		03/28/18 11:57	03/29/18 14:20	1
Silver	<0.0050		0.0050		mg/L		03/28/18 11:57	03/29/18 14:20	1

Lab Sample ID: LCS 400-391826/2-A

Matrix: Water

Analysis Batch: 392083

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 391826

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Cadmium	0.500	0.498		mg/L		100	80 - 120
Chromium	1.00	1.03		mg/L		103	80 - 120
Lead	1.00	1.01		mg/L		101	80 - 120
Selenium	1.00	0.951		mg/L		95	80 - 120
Silver	0.500	0.486		mg/L		97	80 - 120

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-391610/14-A
Matrix: Water
Analysis Batch: 392041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		03/27/18 11:02	03/29/18 14:54	1

Lab Sample ID: LCS 400-391610/15-A
Matrix: Water
Analysis Batch: 392041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.01	1.05		ug/L		105	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 400-391509/14-A
Matrix: Waste
Analysis Batch: 391887

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.013		0.013		mg/Kg		03/26/18 15:52	03/28/18 12:38	1

Lab Sample ID: LCS 400-391509/15-A
Matrix: Waste
Analysis Batch: 391887

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0624	0.0548		mg/Kg		88	80 - 120

Method: 9056 - Total Halogens(Bomb Calorimeter followed by IC)

Lab Sample ID: MB 400-391692/1-A
Matrix: Waste
Analysis Batch: 391816

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391692

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Halogens	<200		200		mg/Kg		03/27/18 14:10	03/28/18 01:52	1

Lab Sample ID: LCS 400-391692/2-A
Matrix: Waste
Analysis Batch: 391816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Halogens	2970	2650		mg/Kg		89	60 - 140

TestAmerica Pensacola

QC Sample Results

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Method: D240-87 - Heat of Combustion

Lab Sample ID: LCS 400-391703/1-A
Matrix: Waste
Analysis Batch: 391892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
BTU	11400	11400		BTU/lb	-	100	80 - 120

Lab Sample ID: LCSD 400-391703/2-A
Matrix: Waste
Analysis Batch: 391892

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 391703

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
BTU	11400	11400		BTU/lb	-	100	80 - 120	0	30

Lab Sample ID: 400-151327-3 DU
Matrix: Water
Analysis Batch: 391892

Client Sample ID: Water Layer
Prep Type: Total/NA
Prep Batch: 391703

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
BTU	<100		<100		BTU/lb	-	NC	30

Lab Chronicle

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Oil Layer

Date Collected: 03/22/18 00:00

Date Received: 03/23/18 09:03

Lab Sample ID: 400-151327-1

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1.00 g	5.00 g	391677	03/26/18 16:45	CAR	TAL PEN
Total/NA	Analysis	8260B		500	5 mL	5 mL	391655	03/27/18 18:45	S1K	TAL PEN
Total/NA	Prep	3580A			.2120 g	10 mL	391688	03/27/18 15:32	VC1	TAL PEN
Total/NA	Analysis	8270D		5			391770	03/28/18 13:57	VC1	TAL PEN
Total/NA	Prep	3050B			000.5030 g	50 mL	391510	03/27/18 10:00	KWN	TAL PEN
Total/NA	Analysis	6010C		1			391915	03/28/18 14:55	GESP	TAL PEN
Total/NA	Prep	7471B			0.5208 g	40 mL	391509	03/27/18 09:36	DN1	TAL PEN
Total/NA	Analysis	7471B		1			391887	03/28/18 14:10	JAP	TAL PEN
Total/NA	Prep	5050			0.7907 g	100 mL	391692	03/27/18 15:16	KJR	TAL PEN
Total/NA	Analysis	9056		5			391816	03/28/18 04:14	JAW	TAL PEN
Total/NA	Prep	D240-87			0.9453 g	0.9453 g	391703	03/27/18 13:26	KJR	TAL PEN
Total/NA	Analysis	D240-87		1			391892	03/27/18 15:33	KJR	TAL PEN

Client Sample ID: Water Layer

Date Collected: 03/22/18 00:00

Date Received: 03/23/18 09:03

Lab Sample ID: 400-151327-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	391743	03/28/18 09:39	WPD	TAL PEN
Total/NA	Prep	3520C			724.8 mL	10 mL	391642	03/27/18 12:50	JJA	TAL PEN
Total/NA	Analysis	8270D		10	0.4 mL	1.0 mL	392020	03/29/18 19:43	S1B	TAL PEN
Total/NA	Prep	3520C			724.8 mL	10 mL	391642	03/27/18 12:50	JJA	TAL PEN
Total/NA	Analysis	8270D		50			392139	03/30/18 22:13	VC1	TAL PEN
Total/NA	Prep	3010A			50 mL	50 mL	391826	03/28/18 11:57	DN1	TAL PEN
Total/NA	Analysis	6010C		1			392083	03/29/18 15:15	GESP	TAL PEN
Total/NA	Prep	7470A			40 mL	40 mL	391610	03/28/18 12:41	JAP	TAL PEN
Total/NA	Analysis	7470A		1			392041	03/29/18 15:58	JAP	TAL PEN
Total/NA	Prep	D240-87			0.6098 g	0.6098 g	391703	03/27/18 12:45	KJR	TAL PEN
Total/NA	Analysis	D240-87		1			391892	03/27/18 15:29	KJR	TAL PEN

Client Sample ID: Water Layer

Date Collected: 03/22/18 00:00

Date Received: 03/23/18 09:03

Lab Sample ID: 400-151327-4

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5050			0.8040 g	100 mL	391692	03/27/18 15:40	KJR	TAL PEN
Total/NA	Analysis	9056		1			391816	03/28/18 04:36	JAW	TAL PEN

TestAmerica Pensacola

Lab Chronicle

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-391509/14-A

Date Collected: N/A

Matrix: Waste

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.6019 g	40 mL	391509	03/26/18 15:52	DN1	TAL PEN
Total/NA	Analysis	7471B		1			391887	03/28/18 12:38	JAP	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-391510/1-A

Date Collected: N/A

Matrix: Waste

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.4978 g	50 mL	391510	03/27/18 10:00	KWN	TAL PEN
Total/NA	Analysis	6010C		1			391915	03/28/18 14:39	GESP	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-391610/14-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			40 mL	40 mL	391610	03/27/18 11:02	JAP	TAL PEN
Total/NA	Analysis	7470A		1			392041	03/29/18 14:54	JAP	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-391642/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1.0 mL	391642	03/27/18 12:50	JJA	TAL PEN
Total/NA	Analysis	8270D		1			392008	03/29/18 21:55	VC1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-391677/1-A

Date Collected: N/A

Matrix: Waste

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.00 g	5.00 g	391677	03/23/18 13:35	CAR	TAL PEN
Total/NA	Analysis	8260B		50	5 mL	5 mL	391655	03/27/18 15:51	S1K	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-391688/1-A

Date Collected: N/A

Matrix: Waste

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3580A			0.2 g	10 mL	391688	03/27/18 15:32	VC1	TAL PEN
Total/NA	Analysis	8270D		1			391770	03/28/18 11:11	VC1	TAL PEN

TestAmerica Pensacola

Lab Chronicle

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-391692/1-A

Date Collected: N/A

Matrix: Waste

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5050			0.5069 g	100 mL	391692	03/27/18 14:10	KJR	TAL PEN
Total/NA	Analysis	9056		1			391816	03/28/18 01:52	JAW	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-391743/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	391743	03/28/18 08:27	WPD	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-391826/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	391826	03/28/18 11:57	DN1	TAL PEN
Total/NA	Analysis	6010C		1			392083	03/29/18 14:20	GESP	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-391509/15-A

Date Collected: N/A

Matrix: Waste

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.6454 g	40 mL	391509	03/26/18 15:52	DN1	TAL PEN
Total/NA	Analysis	7471B		1			391887	03/28/18 12:39	JAP	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-391510/2-A

Date Collected: N/A

Matrix: Waste

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.5247 g	50 mL	391510	03/27/18 10:00	KWN	TAL PEN
Total/NA	Analysis	6010C		1			391915	03/28/18 14:42	GESP	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-391610/15-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			40 mL	40 mL	391610	03/27/18 11:02	JAP	TAL PEN
Total/NA	Analysis	7470A		1			392041	03/29/18 14:56	JAP	TAL PEN

TestAmerica Pensacola

Lab Chronicle

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-391642/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1.0 mL	391642	03/27/18 12:50	JJA	TAL PEN
Total/NA	Analysis	8270D		1			392008	03/29/18 22:29	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-391677/2-A

Date Collected: N/A

Matrix: Waste

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.00 g	5.00 g	391677	03/23/18 13:35	CAR	TAL PEN
Total/NA	Analysis	8260B		100	5 mL	5 mL	391655	03/27/18 16:49	S1K	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-391688/2-A

Date Collected: N/A

Matrix: Waste

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3580A			0.2 g	10 mL	391688	03/27/18 15:32	VC1	TAL PEN
Total/NA	Analysis	8270D		1			391770	03/28/18 11:44	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-391692/2-A

Date Collected: N/A

Matrix: Waste

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5050			0.5043 g	100 mL	391692	03/27/18 14:16	KJR	TAL PEN
Total/NA	Analysis	9056		1			391816	03/28/18 02:17	JAW	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-391703/1-A

Date Collected: N/A

Matrix: Waste

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	D240-87			1.0094 g	1.0094 g	391703	03/27/18 12:03	KJR	TAL PEN
Total/NA	Analysis	D240-87		1			391892	03/27/18 15:26	KJR	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-391743/1002

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	391743	03/28/18 07:38	WPD	TAL PEN

TestAmerica Pensacola

Lab Chronicle

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-391826/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	391826	03/28/18 11:57	DN1	TAL PEN
Total/NA	Analysis	6010C		1			392083	03/29/18 14:23	GESP	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-391642/3-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1.0 mL	391642	03/27/18 12:50	JJA	TAL PEN
Total/NA	Analysis	8270D		1			392008	03/29/18 23:02	VC1	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-391703/2-A

Date Collected: N/A

Matrix: Waste

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	D240-87			0.9823 g	0.9823 g	391703	03/27/18 12:10	KJR	TAL PEN
Total/NA	Analysis	D240-87		1			391892	03/27/18 15:28	KJR	TAL PEN

Client Sample ID: Water Layer

Lab Sample ID: 400-151327-3 DU

Date Collected: 03/22/18 00:00

Matrix: Water

Date Received: 03/23/18 09:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	D240-87			0.5996 g	0.5996 g	391703	03/27/18 12:50	KJR	TAL PEN
Total/NA	Analysis	D240-87		1			391892	03/27/18 15:30	KJR	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Method Summary

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
6010C	Metals (ICP)	SW846	TAL PEN
7470A	Mercury (CVAA)	SW846	TAL PEN
7471B	Mercury (CVAA)	SW846	TAL PEN
9056	Total Halogens(Bomb Calorimeter followed by IC)	SW846	TAL PEN
D240-87	Heat of Combustion	ASTM	TAL PEN

Protocol References:

ASTM = ASTM International

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Florida	NELAP	4	E81010	06-30-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
9056	5050	Waste	Total Halogens
D240-87	D240-87	Waste	BTU
D240-87	D240-87	Water	BTU

North Carolina (VW/SW)	State Program	4	314	12-31-18
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The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
6010C	3010A	Water	Arsenic
6010C	3010A	Water	Barium
6010C	3010A	Water	Cadmium
6010C	3010A	Water	Chromium
6010C	3010A	Water	Lead
6010C	3010A	Water	Selenium
6010C	3010A	Water	Silver
6010C	3050B	Waste	Arsenic
6010C	3050B	Waste	Barium
6010C	3050B	Waste	Cadmium
6010C	3050B	Waste	Chromium
6010C	3050B	Waste	Lead
6010C	3050B	Waste	Selenium
6010C	3050B	Waste	Silver
8260B		Water	Cyclohexane
8260B		Water	Methylcyclohexane
8260B	5030B	Waste	Cyclohexane
8260B	5030B	Waste	Methylcyclohexane
9056	5050	Waste	Total Halogens
D240-87	D240-87	Waste	BTU
D240-87	D240-87	Water	BTU

Laboratory: TestAmerica Savannah

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

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	09-22-19
Arizona	State Program	9	AZ0808	12-14-18
Arkansas DEQ	State Program	6	88-0692	02-01-19
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-18
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18

TestAmerica Pensacola

Accreditation/Certification Summary

Client: Environmental Restoration LLC
Project/Site: 4-Robe

TestAmerica Job ID: 400-151327-1

Laboratory: TestAmerica Savannah (Continued)

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-18
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-18
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18 *
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-18
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-18
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		P330-17-00213	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-18
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

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

TestAmerica Pensacola

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Pensacola Lab

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

[illegible]

Login Sample Receipt Checklist

Client: Environmental Restoration LLC

Job Number: 400-151327-1

Login Number: 151327

List Source: TestAmerica Pensacola

List Number: 1

Creator: Johnson, Jeremy N

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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	5.6°C IR7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	