TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

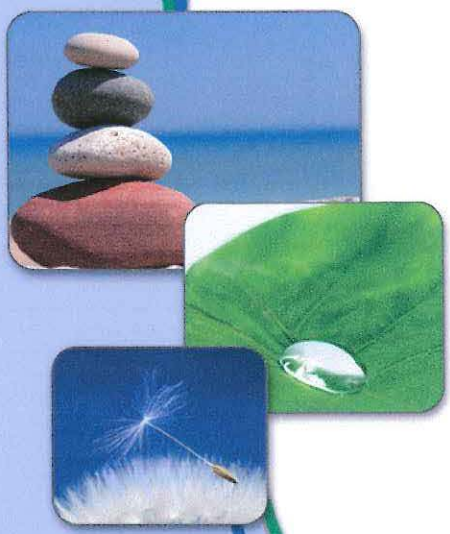
TestAmerica Job ID: 240-16261-1
Client Project/Site: Canton Drop Forge

For:
TRC Environmental Corp-Payne Firm
1382 West Ninth Street
Cleveland, Ohio 44113

Attn: Kathleen Teuscher

Authorized for release by:
10/30/2012 3:05:31 PM

Jeffrey Smith
Project Manager II
jeff.smith@testamericainc.com



LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Method Summary 8
Sample Summary 9
Detection Summary 10
Client Sample Results 12
Surrogate Summary 27
QC Sample Results 30
QC Association Summary 45
Lab Chronicle 49
Certification Summary 51
Chain of Custody 52
Receipt Checklists 55

Definitions/Glossary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

GC Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-16261-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: TRC Environmental Corp-Payne Firm

Project: Canton Drop Forge

Report Number: 240-16261-1

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

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

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

TestAmerica utilizes USEPA approved methods, where applicable, in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated and were analyzed in accordance with Ohio Voluntary Action Program protocols, where applicable.

A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 10/11/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.6 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - Solid

Samples IA05/SS-01 (240-16261-2) and IA05/SS-02 (240-16261-4) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/23/2012.

2-Butanone (MEK), 2-Hexanone and 4-Methyl-2-pentanone (MIBK) were detected in method blank MB 240-62322/6 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

No other difficulties were encountered during the VOCs analyses. All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - Water

Samples IA05/SW-01 (240-16261-1), IA05/SW-02 (240-16261-3) and TB-10/101112 (240-16261-5) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/17/2012.

Job ID: 240-16261-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Methylene Chloride was detected in method blank MB 240-61629/5 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

The method blank for preparation batch 61629 contained Methylene Chloride above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

No other difficulties were encountered during the VOCs analyses. All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - Solid

Samples IA05/SS-01 (240-16261-2) and IA05/SS-02 (240-16261-4) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 10/18/2012 and analyzed on 10/20/2012.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

No difficulties were encountered during the SVOCs analyses. All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - Water

Samples IA05/SW-01 (240-16261-1) and IA05/SW-02 (240-16261-3) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 10/16/2012 and analyzed on 10/19/2012.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-61516/18-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

For the MSD of sample 240-16318-7 in batch 240-61957, 3,3'-Dichlorobenzidine failed the recovery criteria low. Nitrobenzene failed the recovery criteria high. Also, 2,4-Dimethylphenol exceeded the rpd limit.

2,4-Dimethylphenol, 3,3'-Dichlorobenzidine and 4-Chloroaniline failed the recovery criteria low for the MS of sample 240-16318-7 in batch 240-61957. Nitrobenzene and Phenol failed the recovery criteria high.

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

No other difficulties were encountered during the SVOCs analyses. All other quality control parameters were within the acceptance limits.

GASOLINE RANGE ORGANICS (GRO)

Samples IA05/SS-01 (240-16261-2) and IA05/SS-02 (240-16261-4) were analyzed for gasoline range organics (GRO) in accordance with EPA SW-846 Method 8015B - GRO. The samples were analyzed on 10/16/2012.

No difficulties were encountered during the GRO analyses. All quality control parameters were within the acceptance limits.

DIESEL RANGE ORGANICS (DRO)

Samples IA05/SS-01 (240-16261-2) and IA05/SS-02 (240-16261-4) were analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015B - DRO. The samples were prepared on 10/19/2012 and analyzed on 10/24/2012.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

No difficulties were encountered during the DRO analyses. All quality control parameters were within the acceptance limits.

Job ID: 240-16261-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

POLYCHLORINATED BIPHENYLS (PCBS) - Solid
Samples IA05/SS-01 (240-16261-2) and IA05/SS-02 (240-16261-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 10/18/2012 and analyzed on 10/22/2012.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Aroclor 1016 and Aroclor 1260 exceeded the rpd limit for the MSD of sample 240-16213-13 in batch 240-62164.

No other difficulties were encountered during the PCBs analyses. All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS) - Water
Samples IA05/SW-01 (240-16261-1) and IA05/SW-02 (240-16261-3) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 10/15/2012 and analyzed on 10/16/2012.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 61331, 3510C.

Sample broke on steambath, consuming 1L. Sample was redone using another 1L.

No other difficulties were encountered during the PCBs analyses. All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP) - Solid
Samples IA05/SS-01 (240-16261-2) and IA05/SS-02 (240-16261-4) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 10/12/2012 and analyzed on 10/15/2012 and 10/17/2012.

Barium was detected in method blank MB 240-61161/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Barium and Chromium failed the recovery criteria high for the MS of sample 240-16213-13 in batch 240-61465.

Barium, Chromium and Lead failed the recovery criteria high for the MSD of sample 240-16213-13 in batch 240-61465. Chromium exceeded the rpd limit.

No other difficulties were encountered during the metals analyses. All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICP) - Water
Samples IA05/SW-01 (240-16261-1) and IA05/SW-02 (240-16261-3) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 10/17/2012 and analyzed on 10/19/2012.

No difficulties were encountered during the metals analyses. All quality control parameters were within the acceptance limits.

TOTAL MERCURY - Water
Samples IA05/SW-01 (240-16261-1) and IA05/SW-02 (240-16261-3) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 10/16/2012 and analyzed on 10/17/2012.

Mercury was detected in method blank MB 240-61558/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

No other difficulties were encountered during the mercury analyses. All other quality control parameters were within the acceptance limits.

TOTAL MERCURY - Solid
Samples IA05/SS-01 (240-16261-2) and IA05/SS-02 (240-16261-4) were analyzed for total mercury in accordance with EPA SW-846

Job ID: 240-16261-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Method 7471A. The samples were prepared on 10/12/2012 and analyzed on 10/15/2012.

No difficulties were encountered during the mercury analyses. All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples IA05/SS-01 (240-16261-2) and IA05/SS-02 (240-16261-4) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 10/15/2012.

No difficulties were encountered during the % solids analyses. All quality control parameters were within the acceptance limits.

Method Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NC
8015A/OVAP	Gasoline Range Organics (GRO-OVAP)	OVAP	TAL NC
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NC
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NC
6010B	Metals (ICP)	SW846	TAL NC
7470A	Mercury (CVAA)	SW846	TAL NC
7471A	Mercury (CVAA)	SW846	TAL NC
Moisture	Percent Moisture	EPA	TAL NC

Protocol References:

EPA = US Environmental Protection Agency

OVAP = OVAP

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

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-16261-1	IA05/SW-01	Water	10/11/12 10:05	10/11/12 17:05
240-16261-2	IA05/SS-01	Solid	10/11/12 10:15	10/11/12 17:05
240-16261-3	IA05/SW-02	Water	10/11/12 11:10	10/11/12 17:05
240-16261-4	IA05/SS-02	Solid	10/11/12 11:15	10/11/12 17:05
240-16261-5	TB-10/101112	Water	10/11/12 00:00	10/11/12 17:05

Detection Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: IA05/SW-01 — Lab Sample ID: 240-16261-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.7	J	10	1.1	ug/L	1		8260B	Total/NA
Bromodichloromethane	0.27	J	1.0	0.15	ug/L	1		8260B	Total/NA
Chloroform	0.50	J	1.0	0.16	ug/L	1		8260B	Total/NA
Dibromochloromethane	0.31	J	1.0	0.18	ug/L	1		8260B	Total/NA
Barium	180	J	200	0.67	ug/L	1		6010B	Total Recoverable
Arsenic	58		10	3.2	ug/L	1		6010B	Total Recoverable
Lead	2.5	J	3.0	1.9	ug/L	1		6010B	Total Recoverable
Selenium	15		5.0	4.1	ug/L	1		6010B	Total Recoverable
Mercury	0.14	J B	0.20	0.12	ug/L	1		7470A	Total/NA

Client Sample ID: IA05/SS-01 — Lab Sample ID: 240-16261-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	19		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	17		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	52		20	11	mg/Kg	1	☼	8015B	Total/NA
Barium	150	B	23	0.081	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.076	J	0.23	0.041	mg/Kg	1	☼	6010B	Total/NA
Chromium	17		0.57	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	36		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.34	0.22	mg/Kg	1	☼	6010B	Total/NA
Selenium	2.6		0.57	0.51	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: IA05/SW-02 — Lab Sample ID: 240-16261-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.27	J	1.0	0.16	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.87	J B	1.9	0.76	ug/L	1		8270C	Total/NA
Barium	180	J	200	0.67	ug/L	1		6010B	Total Recoverable
Arsenic	32		10	3.2	ug/L	1		6010B	Total Recoverable
Selenium	9.9		5.0	4.1	ug/L	1		6010B	Total Recoverable
Mercury	0.20	B	0.20	0.12	ug/L	1		7470A	Total/NA

Client Sample ID: IA05/SS-02 — Lab Sample ID: 240-16261-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	5.3	J	8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]anthracene	26		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Benzo-a-pyrene	37		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	39		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[ghi]perylene	27		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	17		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Chrysene	36		8.3	1.4	ug/Kg	1	☼	8270C	Total/NA
Dibenzofuran	5.6	J	62	4.1	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	47		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	21		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	30		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	17		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA

Detection Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: IA05/SS-02 (Continued) — Lab Sample ID: 240-16261-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	34		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Pyrene	48		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	14	J	21	11	mg/Kg	1	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	180		21	11	mg/Kg	1	☼	8015B	Total/NA
Barium	200	B	25	0.088	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.16	J	0.25	0.045	mg/Kg	1	☼	6010B	Total/NA
Chromium	100		0.62	0.25	mg/Kg	1	☼	6010B	Total/NA
Arsenic	12		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Lead	15		0.37	0.24	mg/Kg	1	☼	6010B	Total/NA
Selenium	4.6		0.62	0.56	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.031	J	0.11	0.016	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: TB-10/101112 — Lab Sample ID: 240-16261-5

No Detections

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: IA05/SW-01

Lab Sample ID: 240-16261-1

Date Collected: 10/11/12 10:05
Date Received: 10/11/12 17:05

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.7**	**J**	10	1.1	ug/L			10/17/12 17:47	1
Benzene	ND		1.0	0.13	ug/L			10/17/12 17:47	1
Bromodichloromethane	**0.27**	**J**	1.0	0.15	ug/L			10/17/12 17:47	1
Bromoform	ND		1.0	0.64	ug/L			10/17/12 17:47	1
Bromomethane	ND		1.0	0.41	ug/L			10/17/12 17:47	1
2-Butanone (MEK)	ND		10	0.57	ug/L			10/17/12 17:47	1
Carbon disulfide	ND		1.0	0.13	ug/L			10/17/12 17:47	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			10/17/12 17:47	1
Chlorobenzene	ND		1.0	0.15	ug/L			10/17/12 17:47	1
Chloroethane	ND		1.0	0.29	ug/L			10/17/12 17:47	1
Chloroform	**0.50**	**J**	1.0	0.16	ug/L			10/17/12 17:47	1
Chloromethane	ND		1.0	0.30	ug/L			10/17/12 17:47	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			10/17/12 17:47	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			10/17/12 17:47	1
Dibromochloromethane	**0.31**	**J**	1.0	0.18	ug/L			10/17/12 17:47	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			10/17/12 17:47	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			10/17/12 17:47	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			10/17/12 17:47	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			10/17/12 17:47	1
Ethylbenzene	ND		1.0	0.17	ug/L			10/17/12 17:47	1
2-Hexanone	ND		10	0.41	ug/L			10/17/12 17:47	1
Methylene Chloride	ND		1.0	0.33	ug/L			10/17/12 17:47	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			10/17/12 17:47	1
Styrene	ND		1.0	0.11	ug/L			10/17/12 17:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			10/17/12 17:47	1
Tetrachloroethene	ND		1.0	0.29	ug/L			10/17/12 17:47	1
Toluene	ND		1.0	0.13	ug/L			10/17/12 17:47	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			10/17/12 17:47	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			10/17/12 17:47	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			10/17/12 17:47	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			10/17/12 17:47	1
Trichloroethene	ND		1.0	0.17	ug/L			10/17/12 17:47	1
Vinyl chloride	ND		1.0	0.22	ug/L			10/17/12 17:47	1
Xylenes, Total	ND		2.0	0.28	ug/L			10/17/12 17:47	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			10/17/12 17:47	1
n-Hexane	ND		1.0	0.26	ug/L			10/17/12 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*66 - 117*		*10/17/12 17:47*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*10/17/12 17:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*63 - 129*		*10/17/12 17:47*	*1*
Toluene-d8 (Surr)	*87*		*74 - 115*		*10/17/12 17:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Acenaphthylene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Anthracene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1

Client Sample ID: IA05/SW-01

Date Collected: 10/11/12 10:05
Date Received: 10/11/12 17:05

Lab Sample ID: 240-16261-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		10/16/12 10:46	10/19/12 12:34	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Bis(2-ethylhexyl) phthalate	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
Butyl benzyl phthalate	ND		0.95	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
4-Chloroaniline	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
2-Chlorophenol	ND		0.95	0.28	ug/L		10/16/12 10:46	10/19/12 12:34	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		10/16/12 10:46	10/19/12 12:34	1
Chrysene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Dibenzofuran	ND		0.95	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
1,2-Dichlorobenzene	ND		0.95	0.28	ug/L		10/16/12 10:46	10/19/12 12:34	1
1,3-Dichlorobenzene	ND		0.95	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
1,4-Dichlorobenzene	ND		0.95	0.32	ug/L		10/16/12 10:46	10/19/12 12:34	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		10/16/12 10:46	10/19/12 12:34	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
Diethyl phthalate	ND		0.95	0.57	ug/L		10/16/12 10:46	10/19/12 12:34	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
Dimethyl phthalate	ND		0.95	0.28	ug/L		10/16/12 10:46	10/19/12 12:34	1
Di-n-butyl phthalate	ND		0.95	0.64	ug/L		10/16/12 10:46	10/19/12 12:34	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		10/16/12 10:46	10/19/12 12:34	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		10/16/12 10:46	10/19/12 12:34	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		10/16/12 10:46	10/19/12 12:34	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
Di-n-octyl phthalate	ND		0.95	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
Fluoranthene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Fluorene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		10/16/12 10:46	10/19/12 12:34	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
Hexachloroethane	ND		0.95	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Isophorone	ND		0.95	0.26	ug/L		10/16/12 10:46	10/19/12 12:34	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
2-Methylphenol	ND		0.95	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		10/16/12 10:46	10/19/12 12:34	1
Naphthalene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
2-Nitroaniline	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
3-Nitroaniline	ND		1.9	0.27	ug/L		10/16/12 10:46	10/19/12 12:34	1
4-Nitroaniline	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
Nitrobenzene	ND		0.95	0.038	ug/L		10/16/12 10:46	10/19/12 12:34	1
2-Nitrophenol	ND		1.9	0.27	ug/L		10/16/12 10:46	10/19/12 12:34	1
4-Nitrophenol	ND		4.8	2.3	ug/L		10/16/12 10:46	10/19/12 12:34	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		10/16/12 10:46	10/19/12 12:34	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		10/16/12 10:46	10/19/12 12:34	1
Pentachlorophenol	ND		4.8	2.3	ug/L		10/16/12 10:46	10/19/12 12:34	1

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: IA05/SW-01

Lab Sample ID: 240-16261-1

Date Collected: 10/11/12 10:05
Date Received: 10/11/12 17:05

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
Phenol	ND		0.95	0.57	ug/L		10/16/12 10:46	10/19/12 12:34	1
Pyrene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:34	1
1,2,4-Trichlorobenzene	ND		0.95	0.27	ug/L		10/16/12 10:46	10/19/12 12:34	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		10/16/12 10:46	10/19/12 12:34	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		10/16/12 10:46	10/19/12 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*20 - 110*	*10/16/12 10:46*	*10/19/12 12:34*	*1*
2-Fluorophenol (Surr)	*73*		*10 - 110*	*10/16/12 10:46*	*10/19/12 12:34*	*1*
Nitrobenzene-d5 (Surr)	*74*		*21 - 110*	*10/16/12 10:46*	*10/19/12 12:34*	*1*
Phenol-d5 (Surr)	*82*		*21 - 110*	*10/16/12 10:46*	*10/19/12 12:34*	*1*
Terphenyl-d14 (Surr)	*93*		*24 - 110*	*10/16/12 10:46*	*10/19/12 12:34*	*1*
2,4,6-Tribromophenol (Surr)	*92*		*21 - 110*	*10/16/12 10:46*	*10/19/12 12:34*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		0.49	0.17	ug/L		10/15/12 11:41	10/16/12 07:54	1
Aroclor 1221	ND		0.49	0.13	ug/L		10/15/12 11:41	10/16/12 07:54	1
Aroclor 1232	ND		0.49	0.16	ug/L		10/15/12 11:41	10/16/12 07:54	1
Aroclor 1242	ND		0.49	0.22	ug/L		10/15/12 11:41	10/16/12 07:54	1
Aroclor 1248	ND		0.49	0.098	ug/L		10/15/12 11:41	10/16/12 07:54	1
Aroclor 1254	ND		0.49	0.16	ug/L		10/15/12 11:41	10/16/12 07:54	1
Aroclor 1260	ND		0.49	0.17	ug/L		10/15/12 11:41	10/16/12 07:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*35 - 137*	*10/15/12 11:41*	*10/16/12 07:54*	*1*
DCB Decachlorobiphenyl	*58*		*10 - 140*	*10/15/12 11:41*	*10/16/12 07:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**180**	J	200	0.67	ug/L		10/17/12 10:57	10/19/12 00:11	1
Cadmium	ND		2.0	0.66	ug/L		10/17/12 10:57	10/19/12 00:11	1
Chromium	ND		5.0	2.2	ug/L		10/17/12 10:57	10/19/12 00:11	1
Silver	ND		5.0	2.2	ug/L		10/17/12 10:57	10/19/12 00:11	1
Arsenic	**58**		10	3.2	ug/L		10/17/12 10:57	10/19/12 00:11	1
Lead	**2.5**	J	3.0	1.9	ug/L		10/17/12 10:57	10/19/12 00:11	1
Selenium	**15**		5.0	4.1	ug/L		10/17/12 10:57	10/19/12 00:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.14**	J B	0.20	0.12	ug/L		10/16/12 16:10	10/17/12 23:30	1

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: IA05/SS-01

Date Collected: 10/11/12 10:15
Date Received: 10/11/12 17:05

Lab Sample ID: 240-16261-2
Matrix: Solid
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.1	0.69	ug/Kg	☼		10/23/12 06:39	1
1,1,2,2-Tetrachloroethane	ND		6.1	0.42	ug/Kg	☼		10/23/12 06:39	1
1,1,2-Trichloroethane	ND		6.1	0.48	ug/Kg	☼		10/23/12 06:39	1
1,1-Dichloroethane	ND		6.1	0.44	ug/Kg	☼		10/23/12 06:39	1
1,1-Dichloroethene	ND		6.1	0.64	ug/Kg	☼		10/23/12 06:39	1
1,2-Dichloroethane	ND		6.1	0.42	ug/Kg	☼		10/23/12 06:39	1
1,2-Dichloropropane	ND		6.1	0.85	ug/Kg	☼		10/23/12 06:39	1
2-Hexanone	ND		25	0.77	ug/Kg	☼		10/23/12 06:39	1
Acetone	ND		25	7.7	ug/Kg	☼		10/23/12 06:39	1
Benzene	ND		6.1	0.28	ug/Kg	☼		10/23/12 06:39	1
Bromoform	ND		6.1	0.40	ug/Kg	☼		10/23/12 06:39	1
Bromomethane	ND		6.1	0.66	ug/Kg	☼		10/23/12 06:39	1
Carbon disulfide	ND		6.1	0.54	ug/Kg	☼		10/23/12 06:39	1
Carbon tetrachloride	ND		6.1	0.45	ug/Kg	☼		10/23/12 06:39	1
Chlorobenzene	ND		6.1	0.40	ug/Kg	☼		10/23/12 06:39	1
Chloroethane	ND		6.1	1.1	ug/Kg	☼		10/23/12 06:39	1
Chloroform	ND		6.1	0.36	ug/Kg	☼		10/23/12 06:39	1
Chloromethane	ND		6.1	0.50	ug/Kg	☼		10/23/12 06:39	1
cis-1,2-Dichloroethene	ND		6.1	0.44	ug/Kg	☼		10/23/12 06:39	1
cis-1,3-Dichloropropene	ND		6.1	0.42	ug/Kg	☼		10/23/12 06:39	1
Bromodichloromethane	ND		6.1	0.34	ug/Kg	☼		10/23/12 06:39	1
Ethylbenzene	ND		6.1	0.32	ug/Kg	☼		10/23/12 06:39	1
n-Hexane	ND		6.1	1.5	ug/Kg	☼		10/23/12 06:39	1
2-Butanone (MEK)	ND		25	1.7	ug/Kg	☼		10/23/12 06:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	0.66	ug/Kg	☼		10/23/12 06:39	1
Methyl tert-butyl ether	ND		25	0.53	ug/Kg	☼		10/23/12 06:39	1
Methylene chloride	ND		6.1	0.82	ug/Kg	☼		10/23/12 06:39	1
Styrene	ND		6.1	0.18	ug/Kg	☼		10/23/12 06:39	1
Tetrachloroethene	ND		6.1	0.64	ug/Kg	☼		10/23/12 06:39	1
Toluene	ND		6.1	0.33	ug/Kg	☼		10/23/12 06:39	1
trans-1,2-Dichloroethene	ND		6.1	0.50	ug/Kg	☼		10/23/12 06:39	1
trans-1,3-Dichloropropene	ND		6.1	0.66	ug/Kg	☼		10/23/12 06:39	1
Trichloroethene	ND		6.1	0.52	ug/Kg	☼		10/23/12 06:39	1
Vinyl chloride	ND		6.1	0.48	ug/Kg	☼		10/23/12 06:39	1
Xylenes, Total	ND		12	0.82	ug/Kg	☼		10/23/12 06:39	1
Dibromochloromethane	ND		6.1	0.67	ug/Kg	☼		10/23/12 06:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*58 - 123*		*10/23/12 06:39*	*1*
4-Bromofluorobenzene (Surr)	*82*		*52 - 136*		*10/23/12 06:39*	*1*
Toluene-d8 (Surr)	*91*		*67 - 125*		*10/23/12 06:39*	*1*
Dibromofluoromethane (Surr)	*79*		*37 - 132*		*10/23/12 06:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Acenaphthylene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Anthracene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Benzo[a]anthracene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Benzo-a-pyrene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Benzo[b]fluoranthene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1

Client Sample ID: IA05/SS-01

Lab Sample ID: 240-16261-2

Date Collected: 10/11/12 10:15
Date Received: 10/11/12 17:05

Matrix: Solid
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[ghi]perylene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Benzo[k]fluoranthene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Bis(2-chloroethoxy)methane	ND		120	27	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Bis(2-chloroethyl)ether	ND		120	2.5	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Bis(2-ethylhexyl) phthalate	ND		62	24	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
4-Bromophenyl phenyl ether	ND		62	16	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Butyl benzyl phthalate	ND		62	12	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
4-Chloroaniline	ND		190	21	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
4-Chloro-3-methylphenol	ND		190	26	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2-Chloronaphthalene	ND		62	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2-Chlorophenol	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
4-Chlorophenyl phenyl ether	ND		62	16	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Chrysene	ND		8.3	1.4	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Dibenz(a,h)anthracene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Dibenzofuran	ND		62	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
1,2-Dichlorobenzene	ND		62	12	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
1,3-Dichlorobenzene	ND		62	14	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
1,4-Dichlorobenzene	ND		62	25	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
3,3'-Dichlorobenzidine	ND		120	22	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2,4-Dichlorophenol	ND		190	25	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Diethyl phthalate	ND		62	20	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2,4-Dimethylphenol	ND		190	25	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Dimethyl phthalate	ND		62	21	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Di-n-butyl phthalate	ND		62	19	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
4,6-Dinitro-2-methylphenol	ND		190	99	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2,4-Dinitrophenol	ND		410	99	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2,4-Dinitrotoluene	ND		250	34	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2,6-Dinitrotoluene	ND		250	26	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Di-n-octyl phthalate	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Fluoranthene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Fluorene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Hexachlorobenzene	ND		8.3	2.6	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Hexachlorobutadiene	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Hexachlorocyclopentadiene	ND		410	34	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Hexachloroethane	ND		62	11	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Indeno[1,2,3-cd]pyrene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Isophorone	ND		62	16	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2-Methylnaphthalene	**19**		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2-Methylphenol	ND		250	99	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
3 & 4 Methylphenol	ND		500	25	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Naphthalene	**17**		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2-Nitroaniline	ND		250	11	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
3-Nitroaniline	ND		250	20	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
4-Nitroaniline	ND		250	32	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Nitrobenzene	ND		120	2.7	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2-Nitrophenol	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
4-Nitrophenol	ND		410	99	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
N-Nitrosodi-n-propylamine	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
N-Nitrosodiphenylamine	ND		62	26	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2,2'-oxybis[1-chloropropane]	ND		120	12	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Pentachlorophenol	ND		190	99	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1

Client Sample ID: IA05/SS-01

Date Collected: 10/11/12 10:15
Date Received: 10/11/12 17:05

Lab Sample ID: 240-16261-2

Matrix: Solid
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Phenol	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
Pyrene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
1,2,4-Trichlorobenzene	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2,4,5-Trichlorophenol	ND		190	31	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1
2,4,6-Trichlorophenol	ND		190	99	ug/Kg	☼	10/18/12 09:30	10/20/12 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*24 - 110*	*10/18/12 09:30*	*10/20/12 15:42*	*1*
2-Fluorophenol (Surr)	*57*		*24 - 110*	*10/18/12 09:30*	*10/20/12 15:42*	*1*
Nitrobenzene-d5 (Surr)	*51*		*20 - 110*	*10/18/12 09:30*	*10/20/12 15:42*	*1*
Phenol-d5 (Surr)	*57*		*26 - 110*	*10/18/12 09:30*	*10/20/12 15:42*	*1*
Terphenyl-d14 (Surr)	*74*		*36 - 110*	*10/18/12 09:30*	*10/20/12 15:42*	*1*
2,4,6-Tribromophenol (Surr)	*48*		*10 - 110*	*10/18/12 09:30*	*10/20/12 15:42*	*1*

Method: 8015A/OVAP - Gasoline Range Organics (GRO-OVAP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C12)	ND		120	56	ug/Kg	☼		10/16/12 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*76*		*10 - 150*		*10/16/12 03:52*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		20	11	mg/Kg	☼	10/19/12 11:51	10/24/12 07:09	1
Oil Range Organics (C20-C34)	**52**		20	11	mg/Kg	☼	10/19/12 11:51	10/24/12 07:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*43*		*10 - 110*	*10/19/12 11:51*	*10/24/12 07:09*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		41	26	ug/Kg	☼	10/18/12 09:42	10/22/12 13:22	1
Aroclor 1221	ND		41	20	ug/Kg	☼	10/18/12 09:42	10/22/12 13:22	1
Aroclor 1232	ND		41	17	ug/Kg	☼	10/18/12 09:42	10/22/12 13:22	1
Aroclor 1242	ND		41	16	ug/Kg	☼	10/18/12 09:42	10/22/12 13:22	1
Aroclor 1248	ND		41	21	ug/Kg	☼	10/18/12 09:42	10/22/12 13:22	1
Aroclor 1254	ND		41	21	ug/Kg	☼	10/18/12 09:42	10/22/12 13:22	1
Aroclor 1260	ND		41	21	ug/Kg	☼	10/18/12 09:42	10/22/12 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*62*		*29 - 151*	*10/18/12 09:42*	*10/22/12 13:22*	*1*
DCB Decachlorobiphenyl	*62*		*14 - 163*	*10/18/12 09:42*	*10/22/12 13:22*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**150**	**B**	23	0.081	mg/Kg	☼	10/12/12 11:36	10/15/12 21:32	1
Cadmium	**0.076**	**J**	0.23	0.041	mg/Kg	☼	10/12/12 11:36	10/15/12 21:32	1
Chromium	**17**		0.57	0.23	mg/Kg	☼	10/12/12 11:36	10/15/12 21:32	1
Silver	ND		0.57	0.11	mg/Kg	☼	10/12/12 11:36	10/15/12 21:32	1
Arsenic	**36**		1.1	0.34	mg/Kg	☼	10/12/12 11:36	10/15/12 21:32	1
Lead	**14**		0.34	0.22	mg/Kg	☼	10/12/12 11:36	10/15/12 21:32	1
Selenium	**2.6**		0.57	0.51	mg/Kg	☼	10/12/12 11:36	10/17/12 05:36	1

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: IA05/SS-01
Date Collected: 10/11/12 10:15
Date Received: 10/11/12 17:05

Lab Sample ID: 240-16261-2
Matrix: Solid
Percent Solids: 81.5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.14	0.022	mg/Kg	☼	10/12/12 14:20	10/15/12 13:40	1

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: IA05/SW-02

Lab Sample ID: 240-16261-3

Date Collected: 10/11/12 11:10
Date Received: 10/11/12 17:05

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			10/17/12 18:10	1
Benzene	ND		1.0	0.13	ug/L			10/17/12 18:10	1
Bromodichloromethane	ND		1.0	0.15	ug/L			10/17/12 18:10	1
Bromoform	ND		1.0	0.64	ug/L			10/17/12 18:10	1
Bromomethane	ND		1.0	0.41	ug/L			10/17/12 18:10	1
2-Butanone (MEK)	ND		10	0.57	ug/L			10/17/12 18:10	1
Carbon disulfide	ND		1.0	0.13	ug/L			10/17/12 18:10	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			10/17/12 18:10	1
Chlorobenzene	ND		1.0	0.15	ug/L			10/17/12 18:10	1
Chloroethane	ND		1.0	0.29	ug/L			10/17/12 18:10	1
Chloroform	**0.27**	J	1.0	0.16	ug/L			10/17/12 18:10	1
Chloromethane	ND		1.0	0.30	ug/L			10/17/12 18:10	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			10/17/12 18:10	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			10/17/12 18:10	1
Dibromochloromethane	ND		1.0	0.18	ug/L			10/17/12 18:10	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			10/17/12 18:10	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			10/17/12 18:10	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			10/17/12 18:10	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			10/17/12 18:10	1
Ethylbenzene	ND		1.0	0.17	ug/L			10/17/12 18:10	1
2-Hexanone	ND		10	0.41	ug/L			10/17/12 18:10	1
Methylene Chloride	ND		1.0	0.33	ug/L			10/17/12 18:10	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			10/17/12 18:10	1
Styrene	ND		1.0	0.11	ug/L			10/17/12 18:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			10/17/12 18:10	1
Tetrachloroethene	ND		1.0	0.29	ug/L			10/17/12 18:10	1
Toluene	ND		1.0	0.13	ug/L			10/17/12 18:10	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			10/17/12 18:10	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			10/17/12 18:10	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			10/17/12 18:10	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			10/17/12 18:10	1
Trichloroethene	ND		1.0	0.17	ug/L			10/17/12 18:10	1
Vinyl chloride	ND		1.0	0.22	ug/L			10/17/12 18:10	1
Xylenes, Total	ND		2.0	0.28	ug/L			10/17/12 18:10	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			10/17/12 18:10	1
n-Hexane	ND		1.0	0.26	ug/L			10/17/12 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*66 - 117*		*10/17/12 18:10*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 121*		*10/17/12 18:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*63 - 129*		*10/17/12 18:10*	*1*
Toluene-d8 (Surr)	*86*		*74 - 115*		*10/17/12 18:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Acenaphthylene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Anthracene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Benzo[a]anthracene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Benzo[a]pyrene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Benzo[b]fluoranthene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1

Client Sample ID: IA05/SW-02

Lab Sample ID: 240-16261-3

Date Collected: 10/11/12 11:10

Matrix: Water

Date Received: 10/11/12 17:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		10/16/12 10:46	10/19/12 12:15	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Bis(2-ethylhexyl) phthalate	**0.87**	**J B**	1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
4-Bromophenyl phenyl ether	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
Butyl benzyl phthalate	ND		0.95	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
4-Chloroaniline	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
4-Chloro-3-methylphenol	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
2-Chlorophenol	ND		0.95	0.28	ug/L		10/16/12 10:46	10/19/12 12:15	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		10/16/12 10:46	10/19/12 12:15	1
Chrysene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Dibenz(a,h)anthracene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Dibenzofuran	ND		0.95	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
1,2-Dichlorobenzene	ND		0.95	0.28	ug/L		10/16/12 10:46	10/19/12 12:15	1
1,3-Dichlorobenzene	ND		0.95	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
1,4-Dichlorobenzene	ND		0.95	0.32	ug/L		10/16/12 10:46	10/19/12 12:15	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		10/16/12 10:46	10/19/12 12:15	1
2,4-Dichlorophenol	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
Diethyl phthalate	ND		0.95	0.57	ug/L		10/16/12 10:46	10/19/12 12:15	1
2,4-Dimethylphenol	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
Dimethyl phthalate	ND		0.95	0.28	ug/L		10/16/12 10:46	10/19/12 12:15	1
Di-n-butyl phthalate	ND		0.95	0.64	ug/L		10/16/12 10:46	10/19/12 12:15	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		10/16/12 10:46	10/19/12 12:15	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		10/16/12 10:46	10/19/12 12:15	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		10/16/12 10:46	10/19/12 12:15	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
Di-n-octyl phthalate	ND		0.95	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
Fluoranthene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Fluorene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Hexachlorobenzene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		10/16/12 10:46	10/19/12 12:15	1
Hexachlorocyclopentadiene	ND		9.5	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
Hexachloroethane	ND		0.95	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Isophorone	ND		0.95	0.26	ug/L		10/16/12 10:46	10/19/12 12:15	1
2-Methylnaphthalene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
2-Methylphenol	ND		0.95	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
3 & 4 Methylphenol	ND		1.9	0.71	ug/L		10/16/12 10:46	10/19/12 12:15	1
Naphthalene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
2-Nitroaniline	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
3-Nitroaniline	ND		1.9	0.27	ug/L		10/16/12 10:46	10/19/12 12:15	1
4-Nitroaniline	ND		1.9	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
Nitrobenzene	ND		0.95	0.038	ug/L		10/16/12 10:46	10/19/12 12:15	1
2-Nitrophenol	ND		1.9	0.27	ug/L		10/16/12 10:46	10/19/12 12:15	1
4-Nitrophenol	ND		4.8	2.3	ug/L		10/16/12 10:46	10/19/12 12:15	1
N-Nitrosodi-n-propylamine	ND		0.95	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		10/16/12 10:46	10/19/12 12:15	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		10/16/12 10:46	10/19/12 12:15	1
Pentachlorophenol	ND		4.8	2.3	ug/L		10/16/12 10:46	10/19/12 12:15	1

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: IA05/SW-02

Lab Sample ID: 240-16261-3

Date Collected: 10/11/12 11:10
Date Received: 10/11/12 17:05

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
Phenol	ND		0.95	0.57	ug/L		10/16/12 10:46	10/19/12 12:15	1
Pyrene	ND		0.19	0.095	ug/L		10/16/12 10:46	10/19/12 12:15	1
1,2,4-Trichlorobenzene	ND		0.95	0.27	ug/L		10/16/12 10:46	10/19/12 12:15	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		10/16/12 10:46	10/19/12 12:15	1
2,4,6-Trichlorophenol	ND		4.8	0.76	ug/L		10/16/12 10:46	10/19/12 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*77*		*20 - 110*	*10/16/12 10:46*	*10/19/12 12:15*	*1*
2-Fluorophenol (Surr)	*76*		*10 - 110*	*10/16/12 10:46*	*10/19/12 12:15*	*1*
Nitrobenzene-d5 (Surr)	*75*		*21 - 110*	*10/16/12 10:46*	*10/19/12 12:15*	*1*
Phenol-d5 (Surr)	*83*		*21 - 110*	*10/16/12 10:46*	*10/19/12 12:15*	*1*
Terphenyl-d14 (Surr)	*91*		*24 - 110*	*10/16/12 10:46*	*10/19/12 12:15*	*1*
2,4,6-Tribromophenol (Surr)	*90*		*21 - 110*	*10/16/12 10:46*	*10/19/12 12:15*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		0.50	0.17	ug/L		10/15/12 11:41	10/16/12 08:08	1
Aroclor 1221	ND		0.50	0.13	ug/L		10/15/12 11:41	10/16/12 08:08	1
Aroclor 1232	ND		0.50	0.16	ug/L		10/15/12 11:41	10/16/12 08:08	1
Aroclor 1242	ND		0.50	0.22	ug/L		10/15/12 11:41	10/16/12 08:08	1
Aroclor 1248	ND		0.50	0.10	ug/L		10/15/12 11:41	10/16/12 08:08	1
Aroclor 1254	ND		0.50	0.16	ug/L		10/15/12 11:41	10/16/12 08:08	1
Aroclor 1260	ND		0.50	0.17	ug/L		10/15/12 11:41	10/16/12 08:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*35 - 137*	*10/15/12 11:41*	*10/16/12 08:08*	*1*
DCB Decachlorobiphenyl	*77*		*10 - 140*	*10/15/12 11:41*	*10/16/12 08:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**180**	J	200	0.67	ug/L		10/17/12 10:57	10/19/12 00:17	1
Cadmium	ND		2.0	0.66	ug/L		10/17/12 10:57	10/19/12 00:17	1
Chromium	ND		5.0	2.2	ug/L		10/17/12 10:57	10/19/12 00:17	1
Silver	ND		5.0	2.2	ug/L		10/17/12 10:57	10/19/12 00:17	1
Arsenic	**32**		10	3.2	ug/L		10/17/12 10:57	10/19/12 00:17	1
Lead	ND		3.0	1.9	ug/L		10/17/12 10:57	10/19/12 00:17	1
Selenium	**9.9**		5.0	4.1	ug/L		10/17/12 10:57	10/19/12 00:17	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.20**	B	0.20	0.12	ug/L		10/16/12 16:10	10/17/12 23:35	1

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: IA05/SS-02

Lab Sample ID: 240-16261-4

Date Collected: 10/11/12 11:15
Date Received: 10/11/12 17:05

Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.2	0.69	ug/Kg	☼		10/23/12 07:00	1
1,1,2,2-Tetrachloroethane	ND		6.2	0.42	ug/Kg	☼		10/23/12 07:00	1
1,1,2-Trichloroethane	ND		6.2	0.48	ug/Kg	☼		10/23/12 07:00	1
1,1-Dichloroethane	ND		6.2	0.45	ug/Kg	☼		10/23/12 07:00	1
1,1-Dichloroethene	ND		6.2	0.64	ug/Kg	☼		10/23/12 07:00	1
1,2-Dichloroethane	ND		6.2	0.42	ug/Kg	☼		10/23/12 07:00	1
1,2-Dichloropropane	ND		6.2	0.85	ug/Kg	☼		10/23/12 07:00	1
2-Hexanone	ND		25	0.78	ug/Kg	☼		10/23/12 07:00	1
Acetone	ND		25	7.8	ug/Kg	☼		10/23/12 07:00	1
Benzene	ND		6.2	0.28	ug/Kg	☼		10/23/12 07:00	1
Bromoform	ND		6.2	0.41	ug/Kg	☼		10/23/12 07:00	1
Bromomethane	ND		6.2	0.67	ug/Kg	☼		10/23/12 07:00	1
Carbon disulfide	ND		6.2	0.54	ug/Kg	☼		10/23/12 07:00	1
Carbon tetrachloride	ND		6.2	0.46	ug/Kg	☼		10/23/12 07:00	1
Chlorobenzene	ND		6.2	0.41	ug/Kg	☼		10/23/12 07:00	1
Chloroethane	ND		6.2	1.1	ug/Kg	☼		10/23/12 07:00	1
Chloroform	ND		6.2	0.36	ug/Kg	☼		10/23/12 07:00	1
Chloromethane	ND		6.2	0.51	ug/Kg	☼		10/23/12 07:00	1
cis-1,2-Dichloroethene	ND		6.2	0.45	ug/Kg	☼		10/23/12 07:00	1
cis-1,3-Dichloropropene	ND		6.2	0.42	ug/Kg	☼		10/23/12 07:00	1
Bromodichloromethane	ND		6.2	0.35	ug/Kg	☼		10/23/12 07:00	1
Ethylbenzene	ND		6.2	0.32	ug/Kg	☼		10/23/12 07:00	1
n-Hexane	ND		6.2	1.5	ug/Kg	☼		10/23/12 07:00	1
2-Butanone (MEK)	ND		25	1.7	ug/Kg	☼		10/23/12 07:00	1
4-Methyl-2-pentanone (MIBK)	ND		25	0.67	ug/Kg	☼		10/23/12 07:00	1
Methyl tert-butyl ether	ND		25	0.53	ug/Kg	☼		10/23/12 07:00	1
Methylene chloride	ND		6.2	0.83	ug/Kg	☼		10/23/12 07:00	1
Styrene	ND		6.2	0.19	ug/Kg	☼		10/23/12 07:00	1
Tetrachloroethene	ND		6.2	0.64	ug/Kg	☼		10/23/12 07:00	1
Toluene	ND		6.2	0.33	ug/Kg	☼		10/23/12 07:00	1
trans-1,2-Dichloroethene	ND		6.2	0.51	ug/Kg	☼		10/23/12 07:00	1
trans-1,3-Dichloropropene	ND		6.2	0.67	ug/Kg	☼		10/23/12 07:00	1
Trichloroethene	ND		6.2	0.52	ug/Kg	☼		10/23/12 07:00	1
Vinyl chloride	ND		6.2	0.48	ug/Kg	☼		10/23/12 07:00	1
Xylenes, Total	ND		12	0.83	ug/Kg	☼		10/23/12 07:00	1
Dibromochloromethane	ND		6.2	0.68	ug/Kg	☼		10/23/12 07:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*58 - 123*		*10/23/12 07:00*	*1*
4-Bromofluorobenzene (Surr)	*86*		*52 - 136*		*10/23/12 07:00*	*1*
Toluene-d8 (Surr)	*94*		*67 - 125*		*10/23/12 07:00*	*1*
Dibromofluoromethane (Surr)	*84*		*37 - 132*		*10/23/12 07:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Acenaphthylene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Anthracene	**5.3**	J	8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Benzo[a]anthracene	**26**		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Benzo-a-pyrene	**37**		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Benzo[b]fluoranthene	**39**		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1

Client Sample ID: IA05/SS-02

Date Collected: 10/11/12 11:15
Date Received: 10/11/12 17:05

Lab Sample ID: 240-16261-4

Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[ghi]perylene	**27**		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Benzo[k]fluoranthene	**17**		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Bis(2-chloroethoxy)methane	ND		120	27	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Bis(2-chloroethyl)ether	ND		120	2.5	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Bis(2-ethylhexyl) phthalate	ND		62	24	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
4-Bromophenyl phenyl ether	ND		62	16	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Butyl benzyl phthalate	ND		62	12	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
4-Chloroaniline	ND		190	21	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
4-Chloro-3-methylphenol	ND		190	26	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2-Chloronaphthalene	ND		62	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2-Chlorophenol	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
4-Chlorophenyl phenyl ether	ND		62	16	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Chrysene	**36**		8.3	1.4	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Dibenz(a,h)anthracene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Dibenzofuran	**5.6**	J	62	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
1,2-Dichlorobenzene	ND		62	12	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
1,3-Dichlorobenzene	ND		62	14	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
1,4-Dichlorobenzene	ND		62	25	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
3,3'-Dichlorobenzidine	ND		120	22	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2,4-Dichlorophenol	ND		190	25	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Diethyl phthalate	ND		62	20	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2,4-Dimethylphenol	ND		190	25	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Dimethyl phthalate	ND		62	21	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Di-n-butyl phthalate	ND		62	19	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
4,6-Dinitro-2-methylphenol	ND		190	100	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2,4-Dinitrophenol	ND		410	100	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2,4-Dinitrotoluene	ND		250	34	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2,6-Dinitrotoluene	ND		250	26	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Di-n-octyl phthalate	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Fluoranthene	**47**		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Fluorene	ND		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Hexachlorobenzene	ND		8.3	2.6	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Hexachlorobutadiene	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Hexachlorocyclopentadiene	ND		410	34	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Hexachloroethane	ND		62	11	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Indeno[1,2,3-cd]pyrene	**21**		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Isophorone	ND		62	16	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2-Methylnaphthalene	**30**		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2-Methylphenol	ND		250	100	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
3 & 4 Methylphenol	ND		500	25	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Naphthalene	**17**		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2-Nitroaniline	ND		250	11	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
3-Nitroaniline	ND		250	20	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
4-Nitroaniline	ND		250	32	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Nitrobenzene	ND		120	2.7	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2-Nitrophenol	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
4-Nitrophenol	ND		410	100	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
N-Nitrosodi-n-propylamine	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
N-Nitrosodiphenylamine	ND		62	26	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2,2'-oxybis[1-chloropropane]	ND		120	12	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Pentachlorophenol	ND		190	100	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: IA05/SS-02

Date Collected: 10/11/12 11:15
Date Received: 10/11/12 17:05

Lab Sample ID: 240-16261-4
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	**34**		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Phenol	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
Pyrene	**48**		8.3	4.1	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
1,2,4-Trichlorobenzene	ND		62	34	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2,4,5-Trichlorophenol	ND		190	31	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1
2,4,6-Trichlorophenol	ND		190	100	ug/Kg	☼	10/18/12 09:30	10/20/12 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*24 - 110*	*10/18/12 09:30*	*10/20/12 16:05*	*1*
2-Fluorophenol (Surr)	*56*		*24 - 110*	*10/18/12 09:30*	*10/20/12 16:05*	*1*
Nitrobenzene-d5 (Surr)	*51*		*20 - 110*	*10/18/12 09:30*	*10/20/12 16:05*	*1*
Phenol-d5 (Surr)	*56*		*26 - 110*	*10/18/12 09:30*	*10/20/12 16:05*	*1*
Terphenyl-d14 (Surr)	*73*		*36 - 110*	*10/18/12 09:30*	*10/20/12 16:05*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*10 - 110*	*10/18/12 09:30*	*10/20/12 16:05*	*1*

Method: 8015A/OVAP - Gasoline Range Organics (GRO-OVAP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C12)	ND		120	57	ug/Kg	☼		10/16/12 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*79*		*10 - 150*		*10/16/12 04:26*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	**14**	**J**	21	11	mg/Kg	☼	10/19/12 11:51	10/24/12 20:12	1
Oil Range Organics (C20-C34)	**180**		21	11	mg/Kg	☼	10/19/12 11:51	10/24/12 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*39*		*10 - 110*	*10/19/12 11:51*	*10/24/12 20:12*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		40	26	ug/Kg	☼	10/18/12 09:42	10/22/12 13:36	1
Aroclor 1221	ND		40	20	ug/Kg	☼	10/18/12 09:42	10/22/12 13:36	1
Aroclor 1232	ND		40	17	ug/Kg	☼	10/18/12 09:42	10/22/12 13:36	1
Aroclor 1242	ND		40	16	ug/Kg	☼	10/18/12 09:42	10/22/12 13:36	1
Aroclor 1248	ND		40	21	ug/Kg	☼	10/18/12 09:42	10/22/12 13:36	1
Aroclor 1254	ND		40	21	ug/Kg	☼	10/18/12 09:42	10/22/12 13:36	1
Aroclor 1260	ND		40	21	ug/Kg	☼	10/18/12 09:42	10/22/12 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*29 - 151*	*10/18/12 09:42*	*10/22/12 13:36*	*1*
DCB Decachlorobiphenyl	*80*		*14 - 163*	*10/18/12 09:42*	*10/22/12 13:36*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**200**	**B**	25	0.088	mg/Kg	☼	10/12/12 11:36	10/15/12 21:49	1
Cadmium	**0.16**	**J**	0.25	0.045	mg/Kg	☼	10/12/12 11:36	10/15/12 21:49	1
Chromium	**100**		0.62	0.25	mg/Kg	☼	10/12/12 11:36	10/15/12 21:49	1
Silver	ND		0.62	0.12	mg/Kg	☼	10/12/12 11:36	10/15/12 21:49	1
Arsenic	**12**		1.2	0.37	mg/Kg	☼	10/12/12 11:36	10/15/12 21:49	1
Lead	**15**		0.37	0.24	mg/Kg	☼	10/12/12 11:36	10/15/12 21:49	1
Selenium	**4.6**		0.62	0.56	mg/Kg	☼	10/12/12 11:36	10/17/12 05:42	1

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: IA05/SS-02
Date Collected: 10/11/12 11:15
Date Received: 10/11/12 17:05

Lab Sample ID: 240-16261-4
Matrix: Solid
Percent Solids: 80.8

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031	J	0.11	0.016	mg/Kg	☼	10/12/12 14:20	10/15/12 13:42	1

8

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: TB-10/101112

Lab Sample ID: 240-16261-5

Date Collected: 10/11/12 00:00
Date Received: 10/11/12 17:05

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			10/17/12 18:33	1
Benzene	ND		1.0	0.13	ug/L			10/17/12 18:33	1
Bromodichloromethane	ND		1.0	0.15	ug/L			10/17/12 18:33	1
Bromoform	ND		1.0	0.64	ug/L			10/17/12 18:33	1
Bromomethane	ND		1.0	0.41	ug/L			10/17/12 18:33	1
2-Butanone (MEK)	ND		10	0.57	ug/L			10/17/12 18:33	1
Carbon disulfide	ND		1.0	0.13	ug/L			10/17/12 18:33	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			10/17/12 18:33	1
Chlorobenzene	ND		1.0	0.15	ug/L			10/17/12 18:33	1
Chloroethane	ND		1.0	0.29	ug/L			10/17/12 18:33	1
Chloroform	ND		1.0	0.16	ug/L			10/17/12 18:33	1
Chloromethane	ND		1.0	0.30	ug/L			10/17/12 18:33	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			10/17/12 18:33	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			10/17/12 18:33	1
Dibromochloromethane	ND		1.0	0.18	ug/L			10/17/12 18:33	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			10/17/12 18:33	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			10/17/12 18:33	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			10/17/12 18:33	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			10/17/12 18:33	1
Ethylbenzene	ND		1.0	0.17	ug/L			10/17/12 18:33	1
2-Hexanone	ND		10	0.41	ug/L			10/17/12 18:33	1
Methylene Chloride	ND		1.0	0.33	ug/L			10/17/12 18:33	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			10/17/12 18:33	1
Styrene	ND		1.0	0.11	ug/L			10/17/12 18:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			10/17/12 18:33	1
Tetrachloroethene	ND		1.0	0.29	ug/L			10/17/12 18:33	1
Toluene	ND		1.0	0.13	ug/L			10/17/12 18:33	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			10/17/12 18:33	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			10/17/12 18:33	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			10/17/12 18:33	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			10/17/12 18:33	1
Trichloroethene	ND		1.0	0.17	ug/L			10/17/12 18:33	1
Vinyl chloride	ND		1.0	0.22	ug/L			10/17/12 18:33	1
Xylenes, Total	ND		2.0	0.28	ug/L			10/17/12 18:33	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			10/17/12 18:33	1
n-Hexane	ND		1.0	0.26	ug/L			10/17/12 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*66 - 117*		*10/17/12 18:33*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*10/17/12 18:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*63 - 129*		*10/17/12 18:33*	*1*
Toluene-d8 (Surr)	*88*		*74 - 115*		*10/17/12 18:33*	*1*

Surrogate Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(58-123)	(52-136)	(67-125)	(37-132)
240-16261-2	IA05/SS-01	88	82	91	79
240-16261-4	IA05/SS-02	90	86	94	84
LCS 240-62322/5	Lab Control Sample	93	96	97	89
MB 240-62322/6	Method Blank	95	90	93	83

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(66-117)	(75-121)	(63-129)	(74-115)
240-16261-1	IA05/SW-01	92	92	88	87
240-16261-3	IA05/SW-02	91	90	87	86
240-16261-5	TB-10/101112	90	92	86	88
LCS 240-61629/4	Lab Control Sample	99	93	85	91
MB 240-61629/5	Method Blank	93	89	88	89

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(24-110)	(24-110)	(20-110)	(26-110)	(36-110)	(10-110)
240-16261-2	IA05/SS-01	60	57	51	57	74	48
240-16261-4	IA05/SS-02	59	56	51	56	73	53
LCS 240-61797/24-A	Lab Control Sample	64	64	58	63	77	65
MB 240-61797/23-A	Method Blank	48	44	43	45	57	37

Surrogate Legend

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

Surrogate Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(20-110)	(10-110)	(21-110)	(21-110)	(24-110)	(21-110)
240-16261-1	IA05/SW-01	74	73	74	82	93	92
240-16261-3	IA05/SW-02	77	76	75	83	91	90
LCS 240-61516/19-A	Lab Control Sample	78	85	78	92	93	87
MB 240-61516/18-A	Method Blank	74	78	73	84	91	80

Surrogate Legend

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

Method: 8015A/OVAP - Gasoline Range Organics (GRO-OVAP)

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

		Percent Surrogate Recovery (Acceptance Limits)
		TFT2
Lab Sample ID	Client Sample ID	(10-150)
240-16261-2	IA05/SS-01	76
240-16261-4	IA05/SS-02	79
LCS 240-61307/8	Lab Control Sample	97
MB 240-61307/7	Method Blank	94

Surrogate Legend

TFT = Trifluorotoluene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		C91
Lab Sample ID	Client Sample ID	(10-110)
240-16261-2	IA05/SS-01	43
240-16261-4	IA05/SS-02	39
LCS 240-62031/22-A	Lab Control Sample	47
MB 240-62031/21-A	Method Blank	48

Surrogate Legend

C9 = n-Nonane

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCB2
Lab Sample ID	Client Sample ID	(29-151)	(14-163)
240-16261-2	IA05/SS-01	62	62
240-16261-4	IA05/SS-02	72	80
LCS 240-61804/24-A	Lab Control Sample	69	73
MB 240-61804/23-A	Method Blank	89	75

Surrogate Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCB2
Lab Sample ID	**Client Sample ID**	**(35-137)**	**(10-140)**
240-16261-1	IA05/SW-01	84	58
240-16261-3	IA05/SW-02	85	77
LCS 240-61331/7-A	Lab Control Sample	61	79
MB 240-61331/6-A	Method Blank	89	93

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

QC Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

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

Lab Sample ID: MB 240-61629/5
Matrix: Water
Analysis Batch: 61629

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			10/17/12 11:54	1
Benzene	ND		1.0	0.13	ug/L			10/17/12 11:54	1
Bromoform	ND		1.0	0.64	ug/L			10/17/12 11:54	1
Bromomethane	ND		1.0	0.41	ug/L			10/17/12 11:54	1
Carbon disulfide	ND		1.0	0.13	ug/L			10/17/12 11:54	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			10/17/12 11:54	1
Chlorobenzene	ND		1.0	0.15	ug/L			10/17/12 11:54	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			10/17/12 11:54	1
Chloroethane	ND		1.0	0.29	ug/L			10/17/12 11:54	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			10/17/12 11:54	1
Chloroform	ND		1.0	0.16	ug/L			10/17/12 11:54	1
Chloromethane	ND		1.0	0.30	ug/L			10/17/12 11:54	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			10/17/12 11:54	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			10/17/12 11:54	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			10/17/12 11:54	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			10/17/12 11:54	1
Bromodichloromethane	ND		1.0	0.15	ug/L			10/17/12 11:54	1
2-Hexanone	ND		10	0.41	ug/L			10/17/12 11:54	1
Ethylbenzene	ND		1.0	0.17	ug/L			10/17/12 11:54	1
2-Butanone (MEK)	ND		10	0.57	ug/L			10/17/12 11:54	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			10/17/12 11:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			10/17/12 11:54	1
Methylene Chloride	1.54		1.0	0.33	ug/L			10/17/12 11:54	1
Styrene	ND		1.0	0.11	ug/L			10/17/12 11:54	1
Tetrachloroethene	ND		1.0	0.29	ug/L			10/17/12 11:54	1
Toluene	ND		1.0	0.13	ug/L			10/17/12 11:54	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			10/17/12 11:54	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			10/17/12 11:54	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			10/17/12 11:54	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			10/17/12 11:54	1
Trichloroethene	ND		1.0	0.17	ug/L			10/17/12 11:54	1
Vinyl chloride	ND		1.0	0.22	ug/L			10/17/12 11:54	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			10/17/12 11:54	1
Xylenes, Total	ND		2.0	0.28	ug/L			10/17/12 11:54	1
Dibromochloromethane	ND		1.0	0.18	ug/L			10/17/12 11:54	1
n-Hexane	ND		1.0	0.26	ug/L			10/17/12 11:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*66 - 117*		*10/17/12 11:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*63 - 129*		*10/17/12 11:54*	*1*
Toluene-d8 (Surr)	*89*		*74 - 115*		*10/17/12 11:54*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 121*		*10/17/12 11:54*	*1*

Lab Sample ID: LCS 240-61629/4
Matrix: Water
Analysis Batch: 61629

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	22.3		ug/L		111	43 - 136

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

Lab Sample ID: LCS 240-61629/4
Matrix: Water
Analysis Batch: 61629

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	9.96		ug/L		100	83 - 112
Bromoform	10.0	8.37		ug/L		84	40 - 131
Bromomethane	10.0	6.72		ug/L		67	11 - 185
Carbon disulfide	10.0	9.71		ug/L		97	62 - 142
Carbon tetrachloride	10.0	9.71		ug/L		97	66 - 128
Chlorobenzene	10.0	9.54		ug/L		95	85 - 110
1,1-Dichloroethane	10.0	9.94		ug/L		99	82 - 115
Chloroethane	10.0	6.77		ug/L		68	25 - 153
1,2-Dichloroethane	10.0	9.37		ug/L		94	71 - 127
Chloroform	10.0	9.28		ug/L		93	79 - 117
Chloromethane	10.0	7.58		ug/L		76	44 - 126
1,1-Dichloroethene	10.0	10.2		ug/L		102	78 - 131
cis-1,2-Dichloroethene	10.0	9.55		ug/L		96	80 - 113
1,2-Dichloropropane	10.0	10.2		ug/L		102	81 - 115
cis-1,3-Dichloropropene	10.0	9.42		ug/L		94	61 - 115
Bromodichloromethane	10.0	9.77		ug/L		98	72 - 121
2-Hexanone	20.0	19.7		ug/L		99	55 - 133
Ethylbenzene	10.0	9.59		ug/L		96	83 - 112
2-Butanone (MEK)	20.0	20.1		ug/L		100	60 - 126
4-Methyl-2-pentanone (MIBK)	20.0	19.5		ug/L		98	63 - 128
1,1,2,2-Tetrachloroethane	10.0	10.2		ug/L		102	68 - 118
Methylene Chloride	10.0	11.9		ug/L		119	66 - 131
Styrene	10.0	9.97		ug/L		100	79 - 114
Tetrachloroethene	10.0	8.89		ug/L		89	79 - 114
Toluene	10.0	8.94		ug/L		89	84 - 111
1,1,1-Trichloroethane	10.0	9.69		ug/L		97	74 - 118
trans-1,2-Dichloroethene	10.0	9.34		ug/L		93	83 - 117
1,1,2-Trichloroethane	10.0	9.63		ug/L		96	80 - 112
trans-1,3-Dichloropropene	10.0	8.92		ug/L		89	58 - 117
Trichloroethene	10.0	9.33		ug/L		93	76 - 117
Vinyl chloride	10.0	7.36		ug/L		74	53 - 127
Methyl tert-butyl ether	10.0	9.18		ug/L		92	52 - 144
Xylenes, Total	30.0	29.9		ug/L		100	83 - 112
Dibromochloromethane	10.0	9.16		ug/L		92	64 - 119
n-Hexane	10.0	11.4		ug/L		114	66 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*66 - 117*
1,2-Dichloroethane-d4 (Surr)	*85*		*63 - 129*
Toluene-d8 (Surr)	*91*		*74 - 115*
Dibromofluoromethane (Surr)	*93*		*75 - 121*

Lab Sample ID: MB 240-62322/6
Matrix: Solid
Analysis Batch: 62322

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	6.3	ug/Kg			10/23/12 00:29	1
Benzene	ND		5.0	0.23	ug/Kg			10/23/12 00:29	1

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

Lab Sample ID: MB 240-62322/6 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 62322

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0	0.33	ug/Kg			10/23/12 00:29	1
Bromomethane	ND		5.0	0.54	ug/Kg			10/23/12 00:29	1
Carbon disulfide	ND		5.0	0.44	ug/Kg			10/23/12 00:29	1
Carbon tetrachloride	ND		5.0	0.37	ug/Kg			10/23/12 00:29	1
Chlorobenzene	ND		5.0	0.33	ug/Kg			10/23/12 00:29	1
1,1-Dichloroethane	ND		5.0	0.36	ug/Kg			10/23/12 00:29	1
Chloroethane	ND		5.0	0.86	ug/Kg			10/23/12 00:29	1
1,2-Dichloroethane	ND		5.0	0.34	ug/Kg			10/23/12 00:29	1
Chloroform	ND		5.0	0.29	ug/Kg			10/23/12 00:29	1
Chloromethane	ND		5.0	0.41	ug/Kg			10/23/12 00:29	1
1,1-Dichloroethene	ND		5.0	0.52	ug/Kg			10/23/12 00:29	1
cis-1,2-Dichloroethene	ND		5.0	0.36	ug/Kg			10/23/12 00:29	1
1,2-Dichloropropane	ND		5.0	0.69	ug/Kg			10/23/12 00:29	1
cis-1,3-Dichloropropene	ND		5.0	0.34	ug/Kg			10/23/12 00:29	1
Bromodichloromethane	ND		5.0	0.28	ug/Kg			10/23/12 00:29	1
2-Hexanone	3.54	J	20	0.63	ug/Kg			10/23/12 00:29	1
Ethylbenzene	ND		5.0	0.26	ug/Kg			10/23/12 00:29	1
2-Butanone (MEK)	1.64	J	20	1.4	ug/Kg			10/23/12 00:29	1
4-Methyl-2-pentanone (MIBK)	1.88	J	20	0.54	ug/Kg			10/23/12 00:29	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.34	ug/Kg			10/23/12 00:29	1
Methylene chloride	ND		5.0	0.67	ug/Kg			10/23/12 00:29	1
Styrene	ND		5.0	0.15	ug/Kg			10/23/12 00:29	1
Tetrachloroethene	ND		5.0	0.52	ug/Kg			10/23/12 00:29	1
Toluene	ND		5.0	0.27	ug/Kg			10/23/12 00:29	1
1,1,1-Trichloroethane	ND		5.0	0.56	ug/Kg			10/23/12 00:29	1
trans-1,2-Dichloroethene	ND		5.0	0.41	ug/Kg			10/23/12 00:29	1
1,1,2-Trichloroethane	ND		5.0	0.39	ug/Kg			10/23/12 00:29	1
trans-1,3-Dichloropropene	ND		5.0	0.54	ug/Kg			10/23/12 00:29	1
Trichloroethene	ND		5.0	0.42	ug/Kg			10/23/12 00:29	1
Vinyl chloride	ND		5.0	0.39	ug/Kg			10/23/12 00:29	1
Methyl tert-butyl ether	ND		20	0.43	ug/Kg			10/23/12 00:29	1
Xylenes, Total	ND		10	0.67	ug/Kg			10/23/12 00:29	1
Dibromochloromethane	ND		5.0	0.55	ug/Kg			10/23/12 00:29	1
n-Hexane	ND		5.0	1.2	ug/Kg			10/23/12 00:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*52 - 136*		*10/23/12 00:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*58 - 123*		*10/23/12 00:29*	*1*
Toluene-d8 (Surr)	*93*		*67 - 125*		*10/23/12 00:29*	*1*
Dibromofluoromethane (Surr)	*83*		*37 - 132*		*10/23/12 00:29*	*1*

Lab Sample ID: LCS 240-62322/5 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 62322

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	59.3		ug/Kg		119	41 - 137
Benzene	25.0	25.2		ug/Kg		101	79 - 112
Bromoform	25.0	23.2		ug/Kg		93	62 - 133

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

Lab Sample ID: LCS 240-62322/5
Matrix: Solid
Analysis Batch: 62322

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	25.0	21.7		ug/Kg		87	42 - 136
Carbon disulfide	25.0	24.4		ug/Kg		98	62 - 146
Carbon tetrachloride	25.0	28.6		ug/Kg		114	71 - 129
Chlorobenzene	25.0	24.8		ug/Kg		99	78 - 110
1,1-Dichloroethane	25.0	25.0		ug/Kg		100	76 - 115
Chloroethane	25.0	25.0		ug/Kg		100	58 - 117
1,2-Dichloroethane	25.0	26.9		ug/Kg		108	72 - 120
Chloroform	25.0	24.3		ug/Kg		97	77 - 114
Chloromethane	25.0	25.2		ug/Kg		101	50 - 110
1,1-Dichloroethene	25.0	24.2		ug/Kg		97	75 - 135
cis-1,2-Dichloroethene	25.0	23.5		ug/Kg		94	76 - 113
1,2-Dichloropropane	25.0	26.1		ug/Kg		105	87 - 113
cis-1,3-Dichloropropene	25.0	26.1		ug/Kg		105	74 - 128
Bromodichloromethane	25.0	27.2		ug/Kg		109	84 - 122
2-Hexanone	50.0	46.0		ug/Kg		92	64 - 136
Ethylbenzene	25.0	25.4		ug/Kg		101	79 - 117
2-Butanone (MEK)	50.0	54.0		ug/Kg		108	52 - 131
4-Methyl-2-pentanone (MIBK)	50.0	48.3		ug/Kg		97	67 - 135
1,1,2,2-Tetrachloroethane	25.0	26.8		ug/Kg		107	77 - 123
Methylene chloride	25.0	21.4		ug/Kg		86	75 - 118
Styrene	25.0	25.9		ug/Kg		104	87 - 117
Tetrachloroethene	25.0	26.5		ug/Kg		106	79 - 114
Toluene	25.0	25.8		ug/Kg		103	75 - 111
1,1,1-Trichloroethane	25.0	26.5		ug/Kg		106	77 - 126
trans-1,2-Dichloroethene	25.0	24.2		ug/Kg		97	78 - 117
1,1,2-Trichloroethane	25.0	26.7		ug/Kg		107	83 - 112
trans-1,3-Dichloropropene	25.0	26.2		ug/Kg		105	73 - 131
Trichloroethene	25.0	25.9		ug/Kg		104	79 - 113
Vinyl chloride	25.0	24.4		ug/Kg		97	57 - 114
Methyl tert-butyl ether	25.0	22.6		ug/Kg		90	49 - 165
Xylenes, Total	75.0	78.2		ug/Kg		104	80 - 118
Dibromochloromethane	25.0	27.6		ug/Kg		111	72 - 127
n-Hexane	25.0	29.7		ug/Kg		119	86 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*52 - 136*
1,2-Dichloroethane-d4 (Surr)	*93*		*58 - 123*
Toluene-d8 (Surr)	*97*		*67 - 125*
Dibromofluoromethane (Surr)	*89*		*37 - 132*

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

Lab Sample ID: MB 240-61516/18-A
Matrix: Water
Analysis Batch: 61957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61516

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Acenaphthylene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1

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

Lab Sample ID: MB 240-61516/18-A
Matrix: Water
Analysis Batch: 61957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61516

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Benzo[a]anthracene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		10/16/12 10:46	10/19/12 11:18	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Bis(2-ethylhexyl) phthalate	0.971	J	2.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
Butyl benzyl phthalate	ND		1.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
4-Chloroaniline	ND		2.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
2-Chlorophenol	ND		1.0	0.29	ug/L		10/16/12 10:46	10/19/12 11:18	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		10/16/12 10:46	10/19/12 11:18	1
Chrysene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Dibenzofuran	ND		1.0	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
1,2-Dichlorobenzene	ND		1.0	0.29	ug/L		10/16/12 10:46	10/19/12 11:18	1
1,3-Dichlorobenzene	ND		1.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
1,4-Dichlorobenzene	ND		1.0	0.34	ug/L		10/16/12 10:46	10/19/12 11:18	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		10/16/12 10:46	10/19/12 11:18	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
Diethyl phthalate	ND		1.0	0.60	ug/L		10/16/12 10:46	10/19/12 11:18	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
Dimethyl phthalate	ND		1.0	0.29	ug/L		10/16/12 10:46	10/19/12 11:18	1
Di-n-butyl phthalate	ND		1.0	0.67	ug/L		10/16/12 10:46	10/19/12 11:18	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		10/16/12 10:46	10/19/12 11:18	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		10/16/12 10:46	10/19/12 11:18	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		10/16/12 10:46	10/19/12 11:18	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
Di-n-octyl phthalate	ND		1.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
Fluoranthene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Fluorene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		10/16/12 10:46	10/19/12 11:18	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
Hexachloroethane	ND		1.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Isophorone	ND		1.0	0.27	ug/L		10/16/12 10:46	10/19/12 11:18	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
2-Methylphenol	ND		1.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		10/16/12 10:46	10/19/12 11:18	1
Naphthalene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
2-Nitroaniline	ND		2.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
3-Nitroaniline	ND		2.0	0.28	ug/L		10/16/12 10:46	10/19/12 11:18	1
4-Nitroaniline	ND		2.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
Nitrobenzene	ND		1.0	0.040	ug/L		10/16/12 10:46	10/19/12 11:18	1
2-Nitrophenol	ND		2.0	0.28	ug/L		10/16/12 10:46	10/19/12 11:18	1

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

Lab Sample ID: MB 240-61516/18-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 61957 — **Prep Batch: 61516**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		5.0	2.4	ug/L		10/16/12 10:46	10/19/12 11:18	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		10/16/12 10:46	10/19/12 11:18	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		10/16/12 10:46	10/19/12 11:18	1
Pentachlorophenol	ND		5.0	2.4	ug/L		10/16/12 10:46	10/19/12 11:18	1
Phenanthrene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
Phenol	ND		1.0	0.60	ug/L		10/16/12 10:46	10/19/12 11:18	1
Pyrene	ND		0.20	0.10	ug/L		10/16/12 10:46	10/19/12 11:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.28	ug/L		10/16/12 10:46	10/19/12 11:18	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		10/16/12 10:46	10/19/12 11:18	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		10/16/12 10:46	10/19/12 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*20 - 110*	*10/16/12 10:46*	*10/19/12 11:18*	*1*
2-Fluorophenol (Surr)	*78*		*10 - 110*	*10/16/12 10:46*	*10/19/12 11:18*	*1*
Nitrobenzene-d5 (Surr)	*73*		*21 - 110*	*10/16/12 10:46*	*10/19/12 11:18*	*1*
Phenol-d5 (Surr)	*84*		*21 - 110*	*10/16/12 10:46*	*10/19/12 11:18*	*1*
Terphenyl-d14 (Surr)	*91*		*24 - 110*	*10/16/12 10:46*	*10/19/12 11:18*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*21 - 110*	*10/16/12 10:46*	*10/19/12 11:18*	*1*

Lab Sample ID: LCS 240-61516/19-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 61957 — **Prep Batch: 61516**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	20.0	16.2		ug/L		81	47 - 110
Acenaphthylene	20.0	16.2		ug/L		81	49 - 110
Anthracene	20.0	16.8		ug/L		84	52 - 110
Benzo[a]anthracene	20.0	16.5		ug/L		82	52 - 110
Benzo[a]pyrene	20.0	13.4		ug/L		67	44 - 110
Benzo[b]fluoranthene	20.0	14.2		ug/L		71	48 - 110
Benzo[g,h,i]perylene	20.0	15.9		ug/L		80	50 - 110
Benzo[k]fluoranthene	20.0	16.9		ug/L		85	49 - 110
Bis(2-chloroethoxy)methane	20.0	17.1		ug/L		85	43 - 110
Bis(2-chloroethyl)ether	20.0	17.5		ug/L		88	40 - 110
Bis(2-ethylhexyl) phthalate	20.0	16.9		ug/L		85	39 - 116
4-Bromophenyl phenyl ether	20.0	17.4		ug/L		87	45 - 110
Butyl benzyl phthalate	20.0	17.1		ug/L		86	55 - 110
4-Chloroaniline	20.0	15.7		ug/L		79	44 - 110
4-Chloro-3-methylphenol	20.0	17.5		ug/L		88	52 - 110
2-Chloronaphthalene	20.0	16.5		ug/L		83	43 - 110
2-Chlorophenol	20.0	17.8		ug/L		89	29 - 110
4-Chlorophenyl phenyl ether	20.0	17.0		ug/L		85	47 - 110
Chrysene	20.0	17.6		ug/L		88	55 - 110
Dibenz(a,h)anthracene	20.0	16.4		ug/L		82	49 - 110
Dibenzofuran	20.0	16.8		ug/L		84	51 - 110
1,2-Dichlorobenzene	20.0	16.0		ug/L		80	38 - 110
1,3-Dichlorobenzene	20.0	15.4		ug/L		77	35 - 110
1,4-Dichlorobenzene	20.0	16.5		ug/L		82	39 - 110

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

Lab Sample ID: LCS 240-61516/19-A
Matrix: Water
Analysis Batch: 61957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61516

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
3,3'-Dichlorobenzidine	20.0	9.45		ug/L		47	22 - 110
2,4-Dichlorophenol	20.0	17.9		ug/L		90	41 - 110
Diethyl phthalate	20.0	17.5		ug/L		87	58 - 110
2,4-Dimethylphenol	20.0	13.2		ug/L		66	32 - 110
Dimethyl phthalate	20.0	17.5		ug/L		88	57 - 110
Di-n-butyl phthalate	20.0	18.1		ug/L		91	57 - 110
4,6-Dinitro-2-methylphenol	20.0	17.8		ug/L		89	31 - 110
2,4-Dinitrophenol	20.0	13.6		ug/L		68	10 - 110
2,4-Dinitrotoluene	20.0	18.4		ug/L		92	53 - 110
2,6-Dinitrotoluene	20.0	17.8		ug/L		89	54 - 110
Di-n-octyl phthalate	20.0	15.5		ug/L		78	40 - 110
Fluoranthene	20.0	17.6		ug/L		88	54 - 110
Fluorene	20.0	16.8		ug/L		84	52 - 110
Hexachlorobenzene	20.0	17.4		ug/L		87	50 - 110
Hexachlorobutadiene	20.0	15.2		ug/L		76	33 - 110
Hexachlorocyclopentadiene	20.0	4.19	J	ug/L		21	10 - 110
Hexachloroethane	20.0	14.9		ug/L		75	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	16.3		ug/L		81	50 - 110
Isophorone	20.0	17.8		ug/L		89	49 - 110
2-Methylnaphthalene	20.0	16.9		ug/L		84	45 - 110
2-Methylphenol	20.0	18.1		ug/L		90	42 - 110
3 & 4 Methylphenol	40.0	36.4		ug/L		91	44 - 110
Naphthalene	20.0	16.9		ug/L		85	44 - 110
2-Nitroaniline	20.0	17.1		ug/L		85	54 - 110
3-Nitroaniline	20.0	17.1		ug/L		85	53 - 110
4-Nitroaniline	20.0	17.8		ug/L		89	54 - 110
Nitrobenzene	20.0	16.5		ug/L		83	42 - 110
2-Nitrophenol	20.0	18.4		ug/L		92	40 - 110
4-Nitrophenol	20.0	19.0		ug/L		95	33 - 112
N-Nitrosodi-n-propylamine	20.0	17.8		ug/L		89	47 - 110
N-Nitrosodiphenylamine	20.0	16.7		ug/L		84	50 - 110
2,2'-oxybis[1-chloropropane]	20.0	17.0		ug/L		85	37 - 110
Pentachlorophenol	20.0	11.0		ug/L		55	18 - 110
Phenanthrene	20.0	17.2		ug/L		86	53 - 110
Phenol	20.0	17.5		ug/L		88	33 - 110
Pyrene	20.0	16.7		ug/L		83	52 - 110
1,2,4-Trichlorobenzene	20.0	15.5		ug/L		78	35 - 110
2,4,5-Trichlorophenol	20.0	17.8		ug/L		89	48 - 110
2,4,6-Trichlorophenol	20.0	17.0		ug/L		85	45 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*78*		*20 - 110*
2-Fluorophenol (Surr)	*85*		*10 - 110*
Nitrobenzene-d5 (Surr)	*78*		*21 - 110*
Phenol-d5 (Surr)	*92*		*21 - 110*
Terphenyl-d14 (Surr)	*93*		*24 - 110*
2,4,6-Tribromophenol (Surr)	*87*		*21 - 110*

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

Lab Sample ID: MB 240-61797/23-A
Matrix: Solid
Analysis Batch: 62103

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Acenaphthylene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Anthracene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Benzo[a]anthracene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Benzo-a-pyrene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Benzo[b]fluoranthene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Benzo[ghi]perylene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Benzo[k]fluoranthene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Bis(2-chloroethoxy)methane	ND		100	22	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Bis(2-chloroethyl)ether	ND		100	2.0	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Bis(2-ethylhexyl) phthalate	ND		50	19	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
4-Bromophenyl phenyl ether	ND		50	13	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Butyl benzyl phthalate	ND		50	10	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
4-Chloroaniline	ND		150	17	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
4-Chloro-3-methylphenol	ND		150	21	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2-Chloronaphthalene	ND		50	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2-Chlorophenol	ND		50	27	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
4-Chlorophenyl phenyl ether	ND		50	13	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Chrysene	ND		6.7	1.1	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Dibenz(a,h)anthracene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Dibenzofuran	ND		50	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
1,2-Dichlorobenzene	ND		50	9.7	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
1,3-Dichlorobenzene	ND		50	11	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
1,4-Dichlorobenzene	ND		50	20	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
3,3'-Dichlorobenzidine	ND		100	18	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2,4-Dichlorophenol	ND		150	20	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Diethyl phthalate	ND		50	16	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2,4-Dimethylphenol	ND		150	20	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Dimethyl phthalate	ND		50	17	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Di-n-butyl phthalate	ND		50	15	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
4,6-Dinitro-2-methylphenol	ND		150	80	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2,4-Dinitrophenol	ND		330	80	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2,6-Dinitrotoluene	ND		200	21	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Di-n-octyl phthalate	ND		50	27	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Fluoranthene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Fluorene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Hexachlorobenzene	ND		6.7	2.1	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Hexachlorobutadiene	ND		50	27	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Hexachlorocyclopentadiene	ND		330	27	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Hexachloroethane	ND		50	9.0	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Indeno[1,2,3-cd]pyrene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Isophorone	ND		50	13	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2-Methylnaphthalene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2-Methylphenol	ND		200	80	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
3 & 4 Methylphenol	ND		400	20	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Naphthalene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2-Nitroaniline	ND		200	9.1	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
3-Nitroaniline	ND		200	16	ug/Kg		10/18/12 09:30	10/20/12 10:16	1

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

Lab Sample ID: MB 240-61797/23-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 62103 — **Prep Batch: 61797**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		200	26	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Nitrobenzene	ND		100	2.2	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2-Nitrophenol	ND		50	27	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
4-Nitrophenol	ND		330	80	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
N-Nitrosodi-n-propylamine	ND		50	27	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
N-Nitrosodiphenylamine	ND		50	21	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2,2'-oxybis[1-chloropropane]	ND		100	9.5	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Pentachlorophenol	ND		150	80	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Phenanthrene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Phenol	ND		50	27	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
Pyrene	ND		6.7	3.3	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
1,2,4-Trichlorobenzene	ND		50	27	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2,4,5-Trichlorophenol	ND		150	25	ug/Kg		10/18/12 09:30	10/20/12 10:16	1
2,4,6-Trichlorophenol	ND		150	80	ug/Kg		10/18/12 09:30	10/20/12 10:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*48*		*24 - 110*	*10/18/12 09:30*	*10/20/12 10:16*	*1*
2-Fluorophenol (Surr)	*44*		*24 - 110*	*10/18/12 09:30*	*10/20/12 10:16*	*1*
Nitrobenzene-d5 (Surr)	*43*		*20 - 110*	*10/18/12 09:30*	*10/20/12 10:16*	*1*
Phenol-d5 (Surr)	*45*		*26 - 110*	*10/18/12 09:30*	*10/20/12 10:16*	*1*
Terphenyl-d14 (Surr)	*57*		*36 - 110*	*10/18/12 09:30*	*10/20/12 10:16*	*1*
2,4,6-Tribromophenol (Surr)	*37*		*10 - 110*	*10/18/12 09:30*	*10/20/12 10:16*	*1*

Lab Sample ID: LCS 240-61797/24-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 62103 — **Prep Batch: 61797**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	667	454		ug/Kg		68	38 - 110
Acenaphthylene	667	457		ug/Kg		69	40 - 110
Anthracene	667	498		ug/Kg		75	48 - 110
Benzo[a]anthracene	667	479		ug/Kg		72	50 - 110
Benzo-a-pyrene	667	415		ug/Kg		62	44 - 110
Benzo[b]fluoranthene	667	462		ug/Kg		69	43 - 110
Benzo[ghi]perylene	667	522		ug/Kg		78	51 - 110
Benzo[k]fluoranthene	667	494		ug/Kg		74	38 - 105
Bis(2-chloroethoxy)methane	667	412		ug/Kg		62	32 - 110
Bis(2-chloroethyl)ether	667	418		ug/Kg		63	34 - 110
Bis(2-ethylhexyl) phthalate	667	473		ug/Kg		71	50 - 110
4-Bromophenyl phenyl ether	667	527		ug/Kg		79	39 - 110
Butyl benzyl phthalate	667	464		ug/Kg		70	51 - 110
4-Chloroaniline	667	354		ug/Kg		53	30 - 110
4-Chloro-3-methylphenol	667	461		ug/Kg		69	48 - 110
2-Chloronaphthalene	667	452		ug/Kg		68	32 - 110
2-Chlorophenol	667	457		ug/Kg		69	37 - 110
4-Chlorophenyl phenyl ether	667	475		ug/Kg		71	40 - 110
Chrysene	667	508		ug/Kg		76	50 - 110
Dibenz(a,h)anthracene	667	467		ug/Kg		70	51 - 110
Dibenzofuran	667	468		ug/Kg		70	43 - 110

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

Lab Sample ID: LCS 240-61797/24-A
Matrix: Solid
Analysis Batch: 62103

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	667	451		ug/Kg		68	32 - 110
1,3-Dichlorobenzene	667	442		ug/Kg		66	29 - 110
1,4-Dichlorobenzene	667	462		ug/Kg		69	33 - 110
3,3'-Dichlorobenzidine	667	326		ug/Kg		49	28 - 110
2,4-Dichlorophenol	667	482		ug/Kg		72	39 - 110
Diethyl phthalate	667	495		ug/Kg		74	52 - 110
2,4-Dimethylphenol	667	313		ug/Kg		47	29 - 110
Dimethyl phthalate	667	488		ug/Kg		73	50 - 110
Di-n-butyl phthalate	667	501		ug/Kg		75	51 - 110
4,6-Dinitro-2-methylphenol	667	384		ug/Kg		58	10 - 110
2,4-Dinitrophenol	667	317	J	ug/Kg		47	10 - 110
2,4-Dinitrotoluene	667	525		ug/Kg		79	48 - 110
2,6-Dinitrotoluene	667	513		ug/Kg		77	45 - 110
Di-n-octyl phthalate	667	419		ug/Kg		63	48 - 110
Fluoranthene	667	521		ug/Kg		78	51 - 110
Fluorene	667	481		ug/Kg		72	46 - 110
Hexachlorobenzene	667	490		ug/Kg		74	43 - 110
Hexachlorobutadiene	667	469		ug/Kg		70	29 - 110
Hexachlorocyclopentadiene	667	332		ug/Kg		50	12 - 110
Hexachloroethane	667	422		ug/Kg		63	30 - 110
Indeno[1,2,3-cd]pyrene	667	472		ug/Kg		71	50 - 110
Isophorone	667	407		ug/Kg		61	36 - 110
2-Methylnaphthalene	667	473		ug/Kg		71	36 - 110
2-Methylphenol	667	418		ug/Kg		63	41 - 110
3 & 4 Methylphenol	1330	850		ug/Kg		64	40 - 110
Naphthalene	667	465		ug/Kg		70	36 - 110
2-Nitroaniline	667	401		ug/Kg		60	45 - 110
3-Nitroaniline	667	426		ug/Kg		64	44 - 110
4-Nitroaniline	667	465		ug/Kg		70	48 - 110
Nitrobenzene	667	402		ug/Kg		60	32 - 110
2-Nitrophenol	667	468		ug/Kg		70	34 - 110
4-Nitrophenol	667	411		ug/Kg		62	28 - 110
N-Nitrosodi-n-propylamine	667	388		ug/Kg		58	38 - 110
N-Nitrosodiphenylamine	667	488		ug/Kg		73	46 - 110
2,2'-oxybis[1-chloropropane]	667	353		ug/Kg		53	29 - 110
Pentachlorophenol	667	225		ug/Kg		34	10 - 110
Phenanthrene	667	491		ug/Kg		74	49 - 110
Phenol	667	428		ug/Kg		64	38 - 110
Pyrene	667	480		ug/Kg		72	49 - 110
1,2,4-Trichlorobenzene	667	465		ug/Kg		70	28 - 110
2,4,5-Trichlorophenol	667	459		ug/Kg		69	25 - 110
2,4,6-Trichlorophenol	667	436		ug/Kg		65	12 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*64*		*24 - 110*
2-Fluorophenol (Surr)	*64*		*24 - 110*
Nitrobenzene-d5 (Surr)	*58*		*20 - 110*
Phenol-d5 (Surr)	*63*		*26 - 110*
Terphenyl-d14 (Surr)	*77*		*36 - 110*

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

Lab Sample ID: LCS 240-61797/24-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 62103 — **Prep Batch: 61797**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*65*		*10 - 110*

Method: 8015A/OVAP - Gasoline Range Organics (GRO-OVAP)

Lab Sample ID: MB 240-61307/7 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C12)	ND		100	46	ug/Kg			10/15/12 14:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*94*		*10 - 150*		*10/15/12 14:10*	*1*

Lab Sample ID: LCS 240-61307/8 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C6-C12)	800	881		ug/Kg		110	60 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*97*		*10 - 150*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 240-62031/21-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 62426 — **Prep Batch: 62031**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		17	9.3	mg/Kg		10/19/12 11:51	10/23/12 19:49	1
Oil Range Organics (C20-C34)	ND		17	9.3	mg/Kg		10/19/12 11:51	10/23/12 19:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*48*		*10 - 110*	*10/19/12 11:51*	*10/23/12 19:49*	*1*

Lab Sample ID: LCS 240-62031/22-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 62426 — **Prep Batch: 62031**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel	83.3	65.9		mg/Kg		79	47 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Nonane	*47*		*10 - 110*

QC Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-61331/6-A
Matrix: Water
Analysis Batch: 61431

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		0.50	0.17	ug/L		10/15/12 11:41	10/16/12 08:36	1
Aroclor 1221	ND		0.50	0.13	ug/L		10/15/12 11:41	10/16/12 08:36	1
Aroclor 1232	ND		0.50	0.16	ug/L		10/15/12 11:41	10/16/12 08:36	1
Aroclor 1242	ND		0.50	0.22	ug/L		10/15/12 11:41	10/16/12 08:36	1
Aroclor 1248	ND		0.50	0.10	ug/L		10/15/12 11:41	10/16/12 08:36	1
Aroclor 1254	ND		0.50	0.16	ug/L		10/15/12 11:41	10/16/12 08:36	1
Aroclor 1260	ND		0.50	0.17	ug/L		10/15/12 11:41	10/16/12 08:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*35 - 137*	*10/15/12 11:41*	*10/16/12 08:36*	*1*
DCB Decachlorobiphenyl	*93*		*10 - 140*	*10/15/12 11:41*	*10/16/12 08:36*	*1*

Lab Sample ID: LCS 240-61331/7-A
Matrix: Water
Analysis Batch: 61431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	5.00	3.02		ug/L		60	56 - 130
Aroclor 1260	5.00	3.57		ug/L		71	43 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*61*		*35 - 137*
DCB Decachlorobiphenyl	*79*		*10 - 140*

Lab Sample ID: MB 240-61804/23-A
Matrix: Solid
Analysis Batch: 62164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61804

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		33	21	ug/Kg		10/18/12 09:42	10/22/12 11:08	1
Aroclor 1221	ND		33	16	ug/Kg		10/18/12 09:42	10/22/12 11:08	1
Aroclor 1232	ND		33	14	ug/Kg		10/18/12 09:42	10/22/12 11:08	1
Aroclor 1242	ND		33	13	ug/Kg		10/18/12 09:42	10/22/12 11:08	1
Aroclor 1248	ND		33	17	ug/Kg		10/18/12 09:42	10/22/12 11:08	1
Aroclor 1254	ND		33	17	ug/Kg		10/18/12 09:42	10/22/12 11:08	1
Aroclor 1260	ND		33	17	ug/Kg		10/18/12 09:42	10/22/12 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*29 - 151*	*10/18/12 09:42*	*10/22/12 11:08*	*1*
DCB Decachlorobiphenyl	*75*		*14 - 163*	*10/18/12 09:42*	*10/22/12 11:08*	*1*

Lab Sample ID: LCS 240-61804/24-A
Matrix: Solid
Analysis Batch: 62164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61804

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	333	279		ug/Kg		84	62 - 120
Aroclor 1260	333	226		ug/Kg		68	56 - 122

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 240-61804/24-A
Matrix: Solid
Analysis Batch: 62164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61804

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	69		29 - 151
DCB Decachlorobiphenyl	73		14 - 163

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-61161/1-A
Matrix: Solid
Analysis Batch: 61465

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61161

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.0855	J	20	0.071	mg/Kg		10/12/12 11:36	10/15/12 19:50	1
Cadmium	ND		0.20	0.036	mg/Kg		10/12/12 11:36	10/15/12 19:50	1
Chromium	ND		0.50	0.20	mg/Kg		10/12/12 11:36	10/15/12 19:50	1
Silver	ND		0.50	0.10	mg/Kg		10/12/12 11:36	10/15/12 19:50	1
Arsenic	ND		1.0	0.30	mg/Kg		10/12/12 11:36	10/15/12 19:50	1
Lead	ND		0.30	0.19	mg/Kg		10/12/12 11:36	10/15/12 19:50	1

Lab Sample ID: MB 240-61161/1-A
Matrix: Solid
Analysis Batch: 61603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61161

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.50	0.45	mg/Kg		10/12/12 11:36	10/17/12 06:21	1

Lab Sample ID: LCS 240-61161/2-A
Matrix: Solid
Analysis Batch: 61465

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61161

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	200	193		mg/Kg		96	80 - 120
Cadmium	5.00	4.86		mg/Kg		97	80 - 120
Chromium	20.0	19.6		mg/Kg		98	80 - 120
Silver	5.00	5.06		mg/Kg		101	80 - 120
Arsenic	200	187		mg/Kg		93	80 - 120
Lead	50.0	47.6		mg/Kg		95	80 - 120

Lab Sample ID: LCS 240-61161/2-A
Matrix: Solid
Analysis Batch: 61603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61161

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	200	188		mg/Kg		94	80 - 120

Lab Sample ID: MB 240-61655/1-A
Matrix: Water
Analysis Batch: 62001

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 61655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		200	0.67	ug/L		10/17/12 10:57	10/18/12 21:38	1
Cadmium	ND		2.0	0.66	ug/L		10/17/12 10:57	10/18/12 21:38	1

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

Lab Sample ID: MB 240-61655/1-A
Matrix: Water
Analysis Batch: 62001

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 61655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		5.0	2.2	ug/L		10/17/12 10:57	10/18/12 21:38	1
Silver	ND		5.0	2.2	ug/L		10/17/12 10:57	10/18/12 21:38	1
Arsenic	ND		10	3.2	ug/L		10/17/12 10:57	10/18/12 21:38	1
Lead	ND		3.0	1.9	ug/L		10/17/12 10:57	10/18/12 21:38	1
Selenium	ND		5.0	4.1	ug/L		10/17/12 10:57	10/18/12 21:38	1

Lab Sample ID: LCS 240-61655/2-A
Matrix: Water
Analysis Batch: 62001

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 61655

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	2000	2000		ug/L		100	80 - 120
Cadmium	50.0	49.9		ug/L		100	80 - 120
Chromium	200	200		ug/L		100	80 - 120
Silver	50.0	50.9		ug/L		102	80 - 120
Arsenic	2000	1980		ug/L		99	80 - 120
Lead	500	495		ug/L		99	80 - 120
Selenium	2000	2020		ug/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-61558/1-A
Matrix: Water
Analysis Batch: 61728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61558

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.170	J	0.20	0.12	ug/L		10/16/12 16:10	10/17/12 23:26	1

Lab Sample ID: LCS 240-61558/2-A
Matrix: Water
Analysis Batch: 61728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61558

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.94		ug/L		99	81 - 123

Lab Sample ID: 240-16261-1 MS
Matrix: Water
Analysis Batch: 61728

Client Sample ID: IA05/SW-01
Prep Type: Total/NA
Prep Batch: 61558

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.14	J B	1.00	1.14		ug/L		100	69 - 134

Lab Sample ID: 240-16261-1 MSD
Matrix: Water
Analysis Batch: 61728

Client Sample ID: IA05/SW-01
Prep Type: Total/NA
Prep Batch: 61558

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.14	J B	1.00	1.12		ug/L		98	69 - 134	2	20

QC Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 240-61168/1-A
Matrix: Solid
Analysis Batch: 61363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.015	mg/Kg		10/12/12 14:20	10/15/12 13:07	1

Lab Sample ID: LCS 240-61168/2-A
Matrix: Solid
Analysis Batch: 61363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.705		mg/Kg		85	73 - 121

QC Association Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

GC/MS VOA

Analysis Batch: 61629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-1	IA05/SW-01	Total/NA	Water	8260B	
240-16261-3	IA05/SW-02	Total/NA	Water	8260B	
240-16261-5	TB-10/101112	Total/NA	Water	8260B	
LCS 240-61629/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-61629/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 62322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	8260B	
240-16261-4	IA05/SS-02	Total/NA	Solid	8260B	
LCS 240-62322/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 240-62322/6	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 61516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-1	IA05/SW-01	Total/NA	Water	3520C	
240-16261-3	IA05/SW-02	Total/NA	Water	3520C	
LCS 240-61516/19-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-61516/18-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 61797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	3540C	
240-16261-4	IA05/SS-02	Total/NA	Solid	3540C	
LCS 240-61797/24-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-61797/23-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 61957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-1	IA05/SW-01	Total/NA	Water	8270C	61516
240-16261-3	IA05/SW-02	Total/NA	Water	8270C	61516
LCS 240-61516/19-A	Lab Control Sample	Total/NA	Water	8270C	61516
MB 240-61516/18-A	Method Blank	Total/NA	Water	8270C	61516

Analysis Batch: 62103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	8270C	61797
240-16261-4	IA05/SS-02	Total/NA	Solid	8270C	61797
LCS 240-61797/24-A	Lab Control Sample	Total/NA	Solid	8270C	61797
MB 240-61797/23-A	Method Blank	Total/NA	Solid	8270C	61797

GC VOA

Analysis Batch: 61307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	8015A/OVAP	
240-16261-4	IA05/SS-02	Total/NA	Solid	8015A/OVAP	
LCS 240-61307/8	Lab Control Sample	Total/NA	Solid	8015A/OVAP	
MB 240-61307/7	Method Blank	Total/NA	Solid	8015A/OVAP	

QC Association Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

GC Semi VOA

Prep Batch: 61331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-1	IA05/SW-01	Total/NA	Water	3510C	
240-16261-3	IA05/SW-02	Total/NA	Water	3510C	
LCS 240-61331/7-A	Lab Control Sample	Total/NA	Water	3510C	
MB 240-61331/6-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 61431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-1	IA05/SW-01	Total/NA	Water	8082	61331
240-16261-3	IA05/SW-02	Total/NA	Water	8082	61331
LCS 240-61331/7-A	Lab Control Sample	Total/NA	Water	8082	61331
MB 240-61331/6-A	Method Blank	Total/NA	Water	8082	61331

Prep Batch: 61804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	3540C	
240-16261-4	IA05/SS-02	Total/NA	Solid	3540C	
LCS 240-61804/24-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-61804/23-A	Method Blank	Total/NA	Solid	3540C	

Prep Batch: 62031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	3540C	
240-16261-4	IA05/SS-02	Total/NA	Solid	3540C	
LCS 240-62031/22-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-62031/21-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 62164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	8082	61804
240-16261-4	IA05/SS-02	Total/NA	Solid	8082	61804
LCS 240-61804/24-A	Lab Control Sample	Total/NA	Solid	8082	61804
MB 240-61804/23-A	Method Blank	Total/NA	Solid	8082	61804

Analysis Batch: 62426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	8015B	62031
LCS 240-62031/22-A	Lab Control Sample	Total/NA	Solid	8015B	62031
MB 240-62031/21-A	Method Blank	Total/NA	Solid	8015B	62031

Analysis Batch: 62577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-4	IA05/SS-02	Total/NA	Solid	8015B	62031

Metals

Prep Batch: 61161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	3050B	
240-16261-4	IA05/SS-02	Total/NA	Solid	3050B	
LCS 240-61161/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-61161/1-A	Method Blank	Total/NA	Solid	3050B	

QC Association Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Metals (Continued)

Prep Batch: 61168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	7471A	
240-16261-4	IA05/SS-02	Total/NA	Solid	7471A	
LCS 240-61168/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 240-61168/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 61363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	7471A	61168
240-16261-4	IA05/SS-02	Total/NA	Solid	7471A	61168
LCS 240-61168/2-A	Lab Control Sample	Total/NA	Solid	7471A	61168
MB 240-61168/1-A	Method Blank	Total/NA	Solid	7471A	61168

Analysis Batch: 61465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	6010B	61161
240-16261-4	IA05/SS-02	Total/NA	Solid	6010B	61161
LCS 240-61161/2-A	Lab Control Sample	Total/NA	Solid	6010B	61161
MB 240-61161/1-A	Method Blank	Total/NA	Solid	6010B	61161

Prep Batch: 61558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-1	IA05/SW-01	Total/NA	Water	7470A	
240-16261-1 MS	IA05/SW-01	Total/NA	Water	7470A	
240-16261-1 MSD	IA05/SW-01	Total/NA	Water	7470A	
240-16261-3	IA05/SW-02	Total/NA	Water	7470A	
LCS 240-61558/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-61558/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 61603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	6010B	61161
240-16261-4	IA05/SS-02	Total/NA	Solid	6010B	61161
LCS 240-61161/2-A	Lab Control Sample	Total/NA	Solid	6010B	61161
MB 240-61161/1-A	Method Blank	Total/NA	Solid	6010B	61161

Prep Batch: 61655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-1	IA05/SW-01	Total Recoverable	Water	3005A	
240-16261-3	IA05/SW-02	Total Recoverable	Water	3005A	
LCS 240-61655/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-61655/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 61728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-1	IA05/SW-01	Total/NA	Water	7470A	61558
240-16261-1 MS	IA05/SW-01	Total/NA	Water	7470A	61558
240-16261-1 MSD	IA05/SW-01	Total/NA	Water	7470A	61558
240-16261-3	IA05/SW-02	Total/NA	Water	7470A	61558
LCS 240-61558/2-A	Lab Control Sample	Total/NA	Water	7470A	61558
MB 240-61558/1-A	Method Blank	Total/NA	Water	7470A	61558

QC Association Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Metals (Continued)

Analysis Batch: 62001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-1	IA05/SW-01	Total Recoverable	Water	6010B	61655
240-16261-3	IA05/SW-02	Total Recoverable	Water	6010B	61655
LCS 240-61655/2-A	Lab Control Sample	Total Recoverable	Water	6010B	61655
MB 240-61655/1-A	Method Blank	Total Recoverable	Water	6010B	61655

General Chemistry

Analysis Batch: 61387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-16261-2	IA05/SS-01	Total/NA	Solid	Moisture	
240-16261-4	IA05/SS-02	Total/NA	Solid	Moisture	

Lab Chronicle

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: IA05/SW-01

Lab Sample ID: 240-16261-1

Date Collected: 10/11/12 10:05
Date Received: 10/11/12 17:05

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	61629	10/17/12 17:47	LE	TAL NC
Total/NA	Prep	3520C			61516	10/16/12 10:46	LH	TAL NC
Total/NA	Analysis	8270C		1	61957	10/19/12 12:34	MU	TAL NC
Total/NA	Prep	3510C			61331	10/15/12 11:41	CC	TAL NC
Total/NA	Analysis	8082		1	61431	10/16/12 07:54	LH	TAL NC
Total/NA	Prep	7470A			61558	10/16/12 16:10	SG	TAL NC
Total/NA	Analysis	7470A		1	61728	10/17/12 23:30	DH	TAL NC
Total Recoverable	Prep	3005A			61655	10/17/12 10:57	SG	TAL NC
Total Recoverable	Analysis	6010B		1	62001	10/19/12 00:11	KC	TAL NC

Client Sample ID: IA05/SS-01

Lab Sample ID: 240-16261-2

Date Collected: 10/11/12 10:15
Date Received: 10/11/12 17:05

Matrix: Solid
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	62322	10/23/12 06:39	TL	TAL NC
Total/NA	Prep	3540C			61797	10/18/12 09:30	CC	TAL NC
Total/NA	Analysis	8270C		1	62103	10/20/12 15:42	TH	TAL NC
Total/NA	Analysis	8015A/OVAP		1	61307	10/16/12 03:52	HMB	TAL NC
Total/NA	Prep	3540C			61804	10/18/12 09:42	LH	TAL NC
Total/NA	Analysis	8082		1	62164	10/22/12 13:22	LH	TAL NC
Total/NA	Prep	3540C			62031	10/19/12 11:51	LM	TAL NC
Total/NA	Analysis	8015B		1	62426	10/24/12 07:09	DB	TAL NC
Total/NA	Prep	7471A			61168	10/12/12 14:20	DE	TAL NC
Total/NA	Analysis	7471A		1	61363	10/15/12 13:40	DH	TAL NC
Total/NA	Prep	3050B			61161	10/12/12 11:36	DE	TAL NC
Total/NA	Analysis	6010B		1	61465	10/15/12 21:32	KC	TAL NC
Total/NA	Analysis	6010B		1	61603	10/17/12 05:36	KC	TAL NC
Total/NA	Analysis	Moisture		1	61387	10/15/12 15:33	JK	TAL NC

Client Sample ID: IA05/SW-02

Lab Sample ID: 240-16261-3

Date Collected: 10/11/12 11:10
Date Received: 10/11/12 17:05

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	61629	10/17/12 18:10	LE	TAL NC
Total/NA	Prep	3520C			61516	10/16/12 10:46	LH	TAL NC
Total/NA	Analysis	8270C		1	61957	10/19/12 12:15	MU	TAL NC
Total/NA	Prep	3510C			61331	10/15/12 11:41	CC	TAL NC
Total/NA	Analysis	8082		1	61431	10/16/12 08:08	LH	TAL NC
Total/NA	Prep	7470A			61558	10/16/12 16:10	SG	TAL NC
Total/NA	Analysis	7470A		1	61728	10/17/12 23:35	DH	TAL NC
Total Recoverable	Prep	3005A			61655	10/17/12 10:57	SG	TAL NC
Total Recoverable	Analysis	6010B		1	62001	10/19/12 00:17	KC	TAL NC

Lab Chronicle

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Client Sample ID: IA05/SS-02

Lab Sample ID: 240-16261-4

Date Collected: 10/11/12 11:15
Date Received: 10/11/12 17:05

Matrix: Solid
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	62322	10/23/12 07:00	TL	TAL NC
Total/NA	Prep	3540C			61797	10/18/12 09:30	CC	TAL NC
Total/NA	Analysis	8270C		1	62103	10/20/12 16:05	TH	TAL NC
Total/NA	Analysis	8015A/OVAP		1	61307	10/16/12 04:26	HMB	TAL NC
Total/NA	Prep	3540C			61804	10/18/12 09:42	LH	TAL NC
Total/NA	Analysis	8082		1	62164	10/22/12 13:36	LH	TAL NC
Total/NA	Prep	3540C			62031	10/19/12 11:51	LM	TAL NC
Total/NA	Analysis	8015B		1	62577	10/24/12 20:12	DB	TAL NC
Total/NA	Prep	7471A			61168	10/12/12 14:20	DE	TAL NC
Total/NA	Analysis	7471A		1	61363	10/15/12 13:42	DH	TAL NC
Total/NA	Prep	3050B			61161	10/12/12 11:36	DE	TAL NC
Total/NA	Analysis	6010B		1	61465	10/15/12 21:49	KC	TAL NC
Total/NA	Analysis	6010B		1	61603	10/17/12 05:42	KC	TAL NC
Total/NA	Analysis	Moisture		1	61387	10/15/12 15:33	JK	TAL NC

Client Sample ID: TB-10/101112

Lab Sample ID: 240-16261-5

Date Collected: 10/11/12 00:00
Date Received: 10/11/12 17:05

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	61629	10/17/12 18:33	LE	TAL NC

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-16261-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAC	3	68-00340	08-31-13
Texas	NELAC	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-13
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12
Wisconsin	State Program	5	999518190	08-31-13

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: North Canton, OH
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other Ohio VAP

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: TRC	Client Project Manager: Kathie Teuscher	Site Contact: Mike Bitto	Lab Contact: Jeff Smith
Address: 1382 W 9th St Suite 200	Telephone: 216-344-3072	Telephone: 216-344-3072	Telephone: 330-497-9396
City/State/Zip: Cleveland, OH 44113	Email: KTeuscher@tresolutions.com	Analysis Turnaround Time (CALENDAR DAYS)	COC No: 024417
Phone: 216-344-3072		TAT if different from below Standard	1 of 1 COCs
Project Name: Canton Drop Forge	Method of Shipment/Carrier: Drop-off	☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	
Project Number: 196663	Shipping/Tracking No:		
PO# TBD			

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres.	Other:	Filtered Sample (Y/N)	MS/MSD (Y/N)	VOC	SVOC	PCB	RCRA Metals	TPH-DRO	TPH-GRO					Sample Specific Notes / Special Instructions:
1A05/SW-01	10/11/12	1005		X					1	3			4		N	G	X	X	X	X							
1A05/SS-01		1015			X								3		N	G	X	X	X	X	X	X					
1A05/SW-02		1110		X					1	3			4		N	G	X	X	X	X							
1A05/SS-02		1115			X								3		N	G	X	X	X	X	X	X					
TB-10/101112				X						2					N	G	X										

10/11/12
Mike R. Hunter

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

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

Special Instructions/QC Requirements & Comments:
Ohio VAP

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TRC	10/11/12 1705			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 10/11/12 1705

©2008, TestAmerica Laboratories, Inc. All rights reserved.
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, Inc.

TAL 0018-1 (04/10)

TestAmerica Canton Sample Receipt Form/Narrative Login # : 160261

Client TRC Site Name _____ By: CL (Signature)

Cooler Received on 10/11/12 Opened on 10/11/12

FedEx: 1st Grd Exp UPS FAS Stetson ~~Client Drop Off~~ TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box ~~Client Cooler~~ Box Other _____

Packing material used: ~~Bubble Wrap~~ Foam Plastic Bag None Other _____

COOLANT: ~~Wet Ice~~ Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	
IR GUN# 4G	(CF –1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	Multiple
IR GUN# 5G	(CF –1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	on Back
IR GUN# 8	(CF 0°C)	Observed Sample Temp. 3.6 °C	Corrected Sample Temp. 3.6 °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
   - Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   - Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. ~~Were sample(s) at the correct pH upon receipt?~~ ~~Yes No NA~~
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 041911-H2SO4; Sodium Hydroxide Lot# 121809 - NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
1	<2	10/11/12	CSL
2	<2		

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant

Login Sample Receipt Checklist

Client: TRC Environmental Corp-Payne Firm

Job Number: 240-16261-1

Login Number: 16261
List Number: 1
Creator: Sutek, Nick

List Source: TestAmerica Canton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	REFER TO COOLER RECEIPT FORM
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time.	N/A	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	