TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Job ID: 240-20715-1
Client Project/Site: Canton Drop Forge

For:
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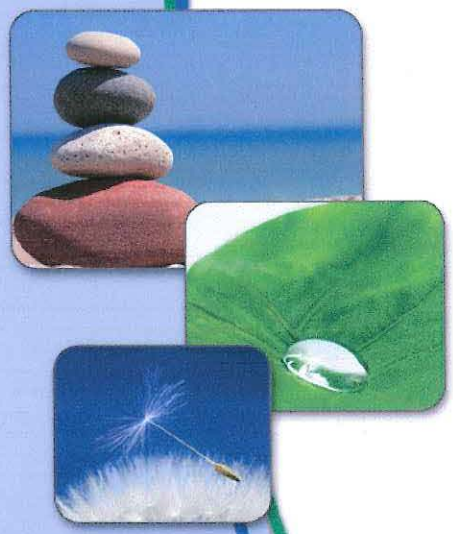

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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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.
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside control limits
F	MS or MSD exceeds the control limits

GC Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
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
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-20715-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: TRC Environmental Corp-Payne Firm

Project: Canton Drop Forge

Report Number: 240-20715-1

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 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 02/05/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.8 and 3.3 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-09 (240-20715-1), MW-10 (240-20715-2) and TB-06 (240-20715-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 02/11/2013.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) Solid

Samples IA06-SS02/0.0-2.0 (240-20715-4), IA06-SS02/2.0-2.1 (240-20715-5), IA06-SS03/0.0-1.0 (240-20715-6), DUP-04 (240-20715-7), IA06-SS03/1.5-2.0 (240-20715-8), IA06-SS04/0.0-1.8 (240-20715-9), IA06-SS04/1.8-2.0 (240-20715-10), IA06-SS05/0.0-1.8 (240-20715-11), IA06-SS05/1.8-2.0 (240-20715-12), IA06-SS06/0.0-1.8 (240-20715-13), IA06-SS06/1.8-2.0 (240-20715-14), IA06-SS07/0.0-1.8 (240-20715-15), IA06-SS07/1.8-2.0 (240-20715-16) and DUP-05 (240-20715-17) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 02/13/2013 and 02/14/2013 and analyzed on 02/15/2013 and 02/18/2013.

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Laboratory: TestAmerica Canton (Continued)

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.

2,4,6-Tribromophenol (Surr), 2-Fluorophenol (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) failed the surrogate recovery criteria high for IA06-SS05/0.0-1.8 (240-20715-11). 2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria high for IA06-SS07/0.0-1.8 (240-20715-15). 2,4,6-Tribromophenol (Surr), 2-Fluorophenol (Surr) and Phenol-d5 (Surr) failed the surrogate recovery criteria high for DUP-05 (240-20715-17). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr), 2-Fluorophenol (Surr), Nitrobenzene-d5 (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for IA06-SS02/0.0-2.0 (240-20715-4). 2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria high for IA06-SS03/0.0-1.0 (240-20715-6). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr), 2-Fluorophenol (Surr), Nitrobenzene-d5 (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for DUP-04 (240-20715-7). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr), 2-Fluorophenol (Surr), Nitrobenzene-d5 (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for IA06-SS04/0.0-1.8 (240-20715-9). 2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria high for IA06-SS07/0.0-1.8MS (240-20715-15MS). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr), 2-Fluorophenol (Surr), Nitrobenzene-d5 (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for IA06-SS02/0.0-2.0MS (240-20715-4MS). 2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria high for IA06-SS07/0.0-1.8MSD (240-20715-15MSD). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr), 2-Fluorophenol (Surr), Nitrobenzene-d5 (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for IA06-SS02/0.0-2.0MSD (240-20715-4MSD). Refer to the QC report for details.

Benzo[a]pyrene, Benzo[b]fluoranthene, Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene failed the recovery criteria high for the MS/MSD of sample IA06-SS07/0.0-1.8MS/MSD (240-20715-15) in batch 240-75449.

Chrysene and Pyrene failed the recovery criteria low for the MS of sample IA06-SS02/0.0-2.0MS (240-20715-4) in batch 240-75449. Several analytes failed the recovery criteria low for the MSD of sample IA06-SS02/0.0-2.0MSD (240-20715-4) in batch 240-75449. Chrysene and Fluoranthene failed the recovery criteria high. Refer to the QC report for details.

Samples IA06-SS02/0.0-2.0 (240-20715-4)[50X], IA06-SS02/2.0-2.1 (240-20715-5)[10X], IA06-SS03/0.0-1.0 (240-20715-6)[100X], DUP-04 (240-20715-7)[50X], IA06-SS03/1.5-2.0 (240-20715-8)[10X], IA06-SS04/0.0-1.8 (240-20715-9)[50X], IA06-SS04/1.8-2.0 (240-20715-10)[5X], IA06-SS05/0.0-1.8 (240-20715-11)[10X], IA06-SS05/1.8-2.0 (240-20715-12)[10X], IA06-SS06/0.0-1.8 (240-20715-13)[20X], IA06-SS06/1.8-2.0 (240-20715-14)[2X], IA06-SS07/0.0-1.8 (240-20715-15)[50X], IA06-SS07/1.8-2.0 (240-20715-16)[5X] and DUP-05 (240-20715-17)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample(s) was diluted due to the nature of the sample matrix: DUP-04 (240-20715-7), DUP-05 (240-20715-17), IA06-SS02/0.0-2.0 (240-20715-4), IA06-SS02/0.0-2.0 (240-20715-4 MS), IA06-SS02/0.0-2.0 (240-20715-4 MSD), IA06-SS02/2.0-2.1 (240-20715-5), IA06-SS03/0.0-1.0 (240-20715-6), IA06-SS03/1.5-2.0 (240-20715-8), IA06-SS04/0.0-1.8 (240-20715-9), IA06-SS04/1.8-2.0 (240-20715-10), IA06-SS05/0.0-1.8 (240-20715-11), IA06-SS05/1.8-2.0 (240-20715-12), IA06-SS06/0.0-1.8 (240-20715-13), IA06-SS06/1.8-2.0 (240-20715-14), IA06-SS07/0.0-1.8 (240-20715-15), IA06-SS07/0.0-1.8 (240-20715-15 MS), IA06-SS07/0.0-1.8 (240-20715-15 MSD), IA06-SS07/1.8-2.0 (240-20715-16). Elevated reporting limits (RLs) are provided.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) Water

Samples MW-09 (240-20715-1) and MW-10 (240-20715-2) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 02/07/2013 and analyzed on 02/12/2013.

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 240-74585/17-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.

Hexachlorocyclopentadiene failed the recovery criteria low for LCS 240-74585/18-A. Refer to the QC report for details.

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Laboratory: TestAmerica Canton (Continued)

Hexachlorocyclopentadiene failed the recovery criteria low for the MS of sample 240-20650-2 in batch 240-74879. Refer to the QC report for details.

The laboratory control sample for batch 74585 exceeded control limits for the following analyte(s): Hexachlorocyclopentadiene. This compound has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

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

DIESEL RANGE ORGANICS (DRO)

Samples IA06-SS02/0.0-2.0 (240-20715-4), IA06-SS02/2.0-2.1 (240-20715-5), IA06-SS03/0.0-1.0 (240-20715-6), DUP-04 (240-20715-7), IA06-SS03/1.5-2.0 (240-20715-8), IA06-SS04/0.0-1.8 (240-20715-9), IA06-SS04/1.8-2.0 (240-20715-10), IA06-SS05/0.0-1.8 (240-20715-11), IA06-SS05/1.8-2.0 (240-20715-12), IA06-SS06/0.0-1.8 (240-20715-13), IA06-SS06/1.8-2.0 (240-20715-14), IA06-SS07/0.0-1.8 (240-20715-15), IA06-SS07/1.8-2.0 (240-20715-16) and DUP-05 (240-20715-17) were analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015B - DRO. The samples were prepared on 02/07/2013 and 02/08/2013 and analyzed on 02/12/2013 and 02/13/2013.

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.

Diesel failed the recovery criteria low for the MS/MSD of sample IA06-SS07/0.0-1.8MS (240-20715-15) in batch 240-74943. Diesel exceeded the rpd limit. Diesel failed the recovery criteria high for the MS of sample IA06-SS02/0.0-2.0MS (240-20715-4) in batch 240-74907. Refer to the QC report for details.

Samples IA06-SS02/0.0-2.0 (240-20715-4)[50X], IA06-SS02/2.0-2.1 (240-20715-5)[20X], IA06-SS03/0.0-1.0 (240-20715-6)[50X], DUP-04 (240-20715-7)[50X], IA06-SS03/1.5-2.0 (240-20715-8)[10X], IA06-SS04/0.0-1.8 (240-20715-9)[50X], IA06-SS04/1.8-2.0 (240-20715-10)[5X], IA06-SS05/0.0-1.8 (240-20715-11)[100X], IA06-SS05/1.8-2.0 (240-20715-12)[10X], IA06-SS06/0.0-1.8 (240-20715-13)[100X], IA06-SS07/0.0-1.8 (240-20715-15)[100X], IA06-SS07/1.8-2.0 (240-20715-16)[10X] and DUP-05 (240-20715-17)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

POLYCHLORINATED BIPHENYLS (PCBS)

Samples MW-09 (240-20715-1) and MW-10 (240-20715-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 02/07/2013 and analyzed on 02/08/2013.

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 PCBs analyses. All quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICP)

Samples MW-09 (240-20715-1) and MW-10 (240-20715-2) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 02/07/2013 and analyzed on 02/08/2013.

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

TOTAL MERCURY

Samples MW-09 (240-20715-1) and MW-10 (240-20715-2) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 02/07/2013 and analyzed on 02/08/2013.

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

PERCENT SOLIDS

Samples IA06-SS02/0.0-2.0 (240-20715-4), IA06-SS02/2.0-2.1 (240-20715-5), IA06-SS03/0.0-1.0 (240-20715-6), DUP-04 (240-20715-7),

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Laboratory: TestAmerica Canton (Continued)

IA06-SS03/1.5-2.0 (240-20715-8), IA06-SS04/0.0-1.8 (240-20715-9), IA06-SS04/1.8-2.0 (240-20715-10), IA06-SS05/0.0-1.8 (240-20715-11), IA06-SS05/1.8-2.0 (240-20715-12), IA06-SS06/0.0-1.8 (240-20715-13), IA06-SS06/1.8-2.0 (240-20715-14), IA06-SS07/0.0-1.8 (240-20715-15), IA06-SS07/1.8-2.0 (240-20715-16) and DUP-05 (240-20715-17) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 02/06/2013.

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: 240-20715-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	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
Moisture	Percent Moisture	EPA	TAL NC

Protocol References:

EPA = US Environmental Protection Agency

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: 240-20715-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-20715-1	MW-09	Water	02/05/13 11:55	02/05/13 17:30
240-20715-2	MW-10	Water	02/05/13 13:00	02/05/13 17:30
240-20715-3	TB-06	Water	02/05/13 00:00	02/05/13 17:30
240-20715-4	IA06-SS02/0.0-2.0	Solid	02/05/13 10:00	02/05/13 17:30
240-20715-5	IA06-SS02/2.0-2.1	Solid	02/05/13 10:05	02/05/13 17:30
240-20715-6	IA06-SS03/0.0-1.0	Solid	02/05/13 10:30	02/05/13 17:30
240-20715-7	DUP-04	Solid	02/05/13 00:00	02/05/13 17:30
240-20715-8	IA06-SS03/1.5-2.0	Solid	02/05/13 10:35	02/05/13 17:30
240-20715-9	IA06-SS04/0.0-1.8	Solid	02/05/13 10:40	02/05/13 17:30
240-20715-10	IA06-SS04/1.8-2.0	Solid	02/05/13 10:45	02/05/13 17:30
240-20715-11	IA06-SS05/0.0-1.8	Solid	02/05/13 11:20	02/05/13 17:30
240-20715-12	IA06-SS05/1.8-2.0	Solid	02/05/13 11:25	02/05/13 17:30
240-20715-13	IA06-SS06/0.0-1.8	Solid	02/05/13 11:55	02/05/13 17:30
240-20715-14	IA06-SS06/1.8-2.0	Solid	02/05/13 12:00	02/05/13 17:30
240-20715-15	IA06-SS07/0.0-1.8	Solid	02/05/13 12:20	02/05/13 17:30
240-20715-16	IA06-SS07/1.8-2.0	Solid	02/05/13 12:25	02/05/13 17:30
240-20715-17	DUP-05	Solid	02/05/13 00:00	02/05/13 17:30

Detection Summary

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: MW-09 — Lab Sample ID: 240-20715-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.2	J	10	1.1	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.6		1.0	0.17	ug/L	1		8260B	Total/NA
Trichloroethene	0.80	J	1.0	0.17	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	1.3	J B	1.9	0.77	ug/L	1		8270C	Total/NA
Barium	1000		200	0.67	ug/L	1		6010B	Total Recoverable
Arsenic	9.8	J	10	3.2	ug/L	1		6010B	Total Recoverable

Client Sample ID: MW-10 — Lab Sample ID: 240-20715-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.4	J	10	1.1	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	1.4	J B	2.0	0.80	ug/L	1		8270C	Total/NA
Barium	380		200	0.67	ug/L	1		6010B	Total Recoverable
Arsenic	9.4	J	10	3.2	ug/L	1		6010B	Total Recoverable

Client Sample ID: TB-06 — Lab Sample ID: 240-20715-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14		10	1.1	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	0.68	J	10	0.57	ug/L	1		8260B	Total/NA
Methylene Chloride	1.3		1.0	0.33	ug/L	1		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	0.37	J	10	0.32	ug/L	1		8260B	Total/NA

Client Sample ID: IA06-SS02/0.0-2.0 — Lab Sample ID: 240-20715-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	1600	J	3100	1500	ug/Kg	50	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	160000		33000	18000	mg/Kg	50	☼	8015B	Total/NA

Client Sample ID: IA06-SS02/2.0-2.1 — Lab Sample ID: 240-20715-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	99		78	39	ug/Kg	10	☼	8270C	Total/NA
Benzo[b]fluoranthene	210		78	39	ug/Kg	10	☼	8270C	Total/NA
Chrysene	150		78	13	ug/Kg	10	☼	8270C	Total/NA
Fluoranthene	120		78	39	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	67	J	78	39	ug/Kg	10	☼	8270C	Total/NA
Pyrene	210		78	39	ug/Kg	10	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	5600		390	220	mg/Kg	20	☼	8015B	Total/NA

Client Sample ID: IA06-SS03/0.0-1.0 — Lab Sample ID: 240-20715-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	800	J	880	430	ug/Kg	100	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	16000		1100	600	mg/Kg	50	☼	8015B	Total/NA

Client Sample ID: DUP-04 — Lab Sample ID: 240-20715-7

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-04 (Continued) — Lab Sample ID: 240-20715-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	1900	J	3200	1600	ug/Kg	50	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	320000		38000	21000	mg/Kg	50	☼	8015B	Total/NA

Client Sample ID: IA06-SS03/1.5-2.0 — Lab Sample ID: 240-20715-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	350		81	40	ug/Kg	10	☼	8270C	Total/NA
Benzo[a]pyrene	530		81	40	ug/Kg	10	☼	8270C	Total/NA
Benzo[b]fluoranthene	510		81	40	ug/Kg	10	☼	8270C	Total/NA
Benzo[g,h,i]perylene	170		81	40	ug/Kg	10	☼	8270C	Total/NA
Benzo[k]fluoranthene	54	J	81	40	ug/Kg	10	☼	8270C	Total/NA
Chrysene	840		81	13	ug/Kg	10	☼	8270C	Total/NA
Fluoranthene	350		81	40	ug/Kg	10	☼	8270C	Total/NA
Fluorene	120		81	40	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	390		81	40	ug/Kg	10	☼	8270C	Total/NA
Pyrene	1300		81	40	ug/Kg	10	☼	8270C	Total/NA
Acenaphthene	74	J	81	40	ug/Kg	10	☼	8270C	Total/NA
Naphthalene	73	J	81	40	ug/Kg	10	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	120	J	200	110	mg/Kg	10	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	1700		200	110	mg/Kg	10	☼	8015B	Total/NA

Client Sample ID: IA06-SS04/0.0-1.8 — Lab Sample ID: 240-20715-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	1400	J	1800	870	ug/Kg	50	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	1000	J	1300	750	mg/Kg	50	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	9800		1300	750	mg/Kg	50	☼	8015B	Total/NA

Client Sample ID: IA06-SS04/1.8-2.0 — Lab Sample ID: 240-20715-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	49		41	20	ug/Kg	5	☼	8270C	Total/NA
Benzo[a]pyrene	170		41	20	ug/Kg	5	☼	8270C	Total/NA
Benzo[b]fluoranthene	110		41	20	ug/Kg	5	☼	8270C	Total/NA
Benzo[g,h,i]perylene	220		41	20	ug/Kg	5	☼	8270C	Total/NA
Chrysene	96		41	6.7	ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	39	J	41	20	ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	84		41	20	ug/Kg	5	☼	8270C	Total/NA
Pyrene	90		41	20	ug/Kg	5	☼	8270C	Total/NA
Naphthalene	40	J	41	20	ug/Kg	5	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	460		100	56	mg/Kg	5	☼	8015B	Total/NA

Client Sample ID: IA06-SS05/0.0-1.8 — Lab Sample ID: 240-20715-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	180		120	58	ug/Kg	10	☼	8270C	Total/NA
Benzo[a]pyrene	430		120	58	ug/Kg	10	☼	8270C	Total/NA
Benzo[b]fluoranthene	390		120	58	ug/Kg	10	☼	8270C	Total/NA
Benzo[g,h,i]perylene	350		120	58	ug/Kg	10	☼	8270C	Total/NA
Chrysene	330		120	19	ug/Kg	10	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IA06-SS05/0.0-1.8 (Continued) — Lab Sample ID: 240-20715-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	160		120	58	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	240		120	58	ug/Kg	10	☼	8270C	Total/NA
Pyrene	450		120	58	ug/Kg	10	☼	8270C	Total/NA
Naphthalene	140		120	58	ug/Kg	10	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	23000		2300	1300	mg/Kg	100	☼	8015B	Total/NA

Client Sample ID: IA06-SS05/1.8-2.0 — Lab Sample ID: 240-20715-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	430		81	40	ug/Kg	10	☼	8270C	Total/NA
Benzo[b]fluoranthene	290		81	40	ug/Kg	10	☼	8270C	Total/NA
Benzo[g,h,i]perylene	190		81	40	ug/Kg	10	☼	8270C	Total/NA
Chrysene	320		81	13	ug/Kg	10	☼	8270C	Total/NA
Fluoranthene	140		81	40	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	100		81	40	ug/Kg	10	☼	8270C	Total/NA
Pyrene	330		81	40	ug/Kg	10	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	1400		210	110	mg/Kg	10	☼	8015B	Total/NA

Client Sample ID: IA06-SS06/0.0-1.8 — Lab Sample ID: 240-20715-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	330		190	94	ug/Kg	20	☼	8270C	Total/NA
Benzo[g,h,i]perylene	430		190	94	ug/Kg	20	☼	8270C	Total/NA
Phenanthrene	160	J	190	94	ug/Kg	20	☼	8270C	Total/NA
Pyrene	210		190	94	ug/Kg	20	☼	8270C	Total/NA
Naphthalene	130	J	190	94	ug/Kg	20	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	31000		2300	1300	mg/Kg	100	☼	8015B	Total/NA

Client Sample ID: IA06-SS06/1.8-2.0 — Lab Sample ID: 240-20715-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	44		16	7.8	ug/Kg	2	☼	8270C	Total/NA
Benzo[a]pyrene	70		16	7.8	ug/Kg	2	☼	8270C	Total/NA
Benzo[b]fluoranthene	47		16	7.8	ug/Kg	2	☼	8270C	Total/NA
Benzo[g,h,i]perylene	23		16	7.8	ug/Kg	2	☼	8270C	Total/NA
Chrysene	89		16	2.6	ug/Kg	2	☼	8270C	Total/NA
Fluoranthene	23		16	7.8	ug/Kg	2	☼	8270C	Total/NA
Phenanthrene	16		16	7.8	ug/Kg	2	☼	8270C	Total/NA
Pyrene	130		16	7.8	ug/Kg	2	☼	8270C	Total/NA
Naphthalene	8.0	J	16	7.8	ug/Kg	2	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	20		20	11	mg/Kg	1	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	210		20	11	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: IA06-SS07/0.0-1.8 — Lab Sample ID: 240-20715-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	240	J	430	210	ug/Kg	50	☼	8270C	Total/NA
Pyrene	220	J	430	210	ug/Kg	50	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	18000		2100	1200	mg/Kg	100	☼	8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS07/1.8-2.0 — Lab Sample ID: 240-20715-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	120		42	21	ug/Kg	5	☼	8270C	Total/NA
Benzo[a]pyrene	260		42	21	ug/Kg	5	☼	8270C	Total/NA
Benzo[b]fluoranthene	290		42	21	ug/Kg	5	☼	8270C	Total/NA
Benzo[g,h,i]perylene	130		42	21	ug/Kg	5	☼	8270C	Total/NA
Benzo[k]fluoranthene	80		42	21	ug/Kg	5	☼	8270C	Total/NA
Anthracene	25	J	42	21	ug/Kg	5	☼	8270C	Total/NA
Chrysene	150		42	6.9	ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	180		42	21	ug/Kg	5	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	210		42	21	ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	100		42	21	ug/Kg	5	☼	8270C	Total/NA
Pyrene	180		42	21	ug/Kg	5	☼	8270C	Total/NA
Naphthalene	25	J	42	21	ug/Kg	5	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	720		210	120	mg/Kg	10	☼	8015B	Total/NA

Client Sample ID: DUP-05 — Lab Sample ID: 240-20715-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	410		410	200	ug/Kg	50	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	6300		1000	570	mg/Kg	50	☼	8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: MW-09

Lab Sample ID: 240-20715-1

Date Collected: 02/05/13 11:55
Date Received: 02/05/13 17:30

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.2	J	10	1.1	ug/L			02/11/13 13:43	1
Benzene	ND		1.0	0.13	ug/L			02/11/13 13:43	1
Bromodichloromethane	ND		1.0	0.15	ug/L			02/11/13 13:43	1
Bromoform	ND		1.0	0.64	ug/L			02/11/13 13:43	1
Bromomethane	ND		1.0	0.41	ug/L			02/11/13 13:43	1
2-Butanone (MEK)	ND		10	0.57	ug/L			02/11/13 13:43	1
Carbon disulfide	ND		1.0	0.13	ug/L			02/11/13 13:43	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			02/11/13 13:43	1
Chlorobenzene	ND		1.0	0.15	ug/L			02/11/13 13:43	1
Chloroethane	ND		1.0	0.29	ug/L			02/11/13 13:43	1
Chloroform	ND		1.0	0.16	ug/L			02/11/13 13:43	1
Chloromethane	ND		1.0	0.30	ug/L			02/11/13 13:43	1
cis-1,2-Dichloroethene	1.6		1.0	0.17	ug/L			02/11/13 13:43	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			02/11/13 13:43	1
Dibromochloromethane	ND		1.0	0.18	ug/L			02/11/13 13:43	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			02/11/13 13:43	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			02/11/13 13:43	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			02/11/13 13:43	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			02/11/13 13:43	1
Ethylbenzene	ND		1.0	0.17	ug/L			02/11/13 13:43	1
2-Hexanone	ND		10	0.41	ug/L			02/11/13 13:43	1
Methylene Chloride	ND		1.0	0.33	ug/L			02/11/13 13:43	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			02/11/13 13:43	1
Styrene	ND		1.0	0.11	ug/L			02/11/13 13:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			02/11/13 13:43	1
Tetrachloroethene	ND		1.0	0.29	ug/L			02/11/13 13:43	1
Toluene	ND		1.0	0.13	ug/L			02/11/13 13:43	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			02/11/13 13:43	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			02/11/13 13:43	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			02/11/13 13:43	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			02/11/13 13:43	1
Trichloroethene	0.80	J	1.0	0.17	ug/L			02/11/13 13:43	1
Vinyl chloride	ND		1.0	0.22	ug/L			02/11/13 13:43	1
Xylenes, Total	ND		2.0	0.28	ug/L			02/11/13 13:43	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			02/11/13 13:43	1
n-Hexane	ND		1.0	0.26	ug/L			02/11/13 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*66 - 117*		*02/11/13 13:43*	*1*
Dibromofluoromethane (Surr)	*82*		*75 - 121*		*02/11/13 13:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*		*02/11/13 13:43*	*1*
Toluene-d8 (Surr)	*84*		*74 - 115*		*02/11/13 13:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Acenaphthylene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Anthracene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Benzo[a]anthracene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Benzo[a]pyrene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1

Client Sample ID: MW-09

Date Collected: 02/05/13 11:55
Date Received: 02/05/13 17:30

Lab Sample ID: 240-20715-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Benzo[k]fluoranthene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Bis(2-chloroethoxy)methane	ND		0.96	0.31	ug/L		02/07/13 09:30	02/12/13 14:11	1
Bis(2-chloroethyl)ether	ND		0.96	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Bis(2-ethylhexyl) phthalate	**1.3**	**J B**	1.9	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
4-Bromophenyl phenyl ether	ND		1.9	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
Butyl benzyl phthalate	ND		0.96	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
4-Chloroaniline	ND		1.9	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
4-Chloro-3-methylphenol	ND		1.9	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
2-Chloronaphthalene	ND		0.96	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
2-Chlorophenol	ND		0.96	0.28	ug/L		02/07/13 09:30	02/12/13 14:11	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		02/07/13 09:30	02/12/13 14:11	1
Chrysene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Dibenz(a,h)anthracene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Dibenzofuran	ND		0.96	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
1,2-Dichlorobenzene	ND		0.96	0.28	ug/L		02/07/13 09:30	02/12/13 14:11	1
1,3-Dichlorobenzene	ND		0.96	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
1,4-Dichlorobenzene	ND		0.96	0.33	ug/L		02/07/13 09:30	02/12/13 14:11	1
3,3'-Dichlorobenzidine	ND		4.8	0.36	ug/L		02/07/13 09:30	02/12/13 14:11	1
2,4-Dichlorophenol	ND		1.9	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
Diethyl phthalate	ND		0.96	0.58	ug/L		02/07/13 09:30	02/12/13 14:11	1
2,4-Dimethylphenol	ND		1.9	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
Dimethyl phthalate	ND		0.96	0.28	ug/L		02/07/13 09:30	02/12/13 14:11	1
Di-n-butyl phthalate	ND		0.96	0.64	ug/L		02/07/13 09:30	02/12/13 14:11	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		02/07/13 09:30	02/12/13 14:11	1
2,4-Dinitrophenol	ND		4.8	2.3	ug/L		02/07/13 09:30	02/12/13 14:11	1
2,4-Dinitrotoluene	ND		4.8	0.26	ug/L		02/07/13 09:30	02/12/13 14:11	1
2,6-Dinitrotoluene	ND		4.8	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
Di-n-octyl phthalate	ND		0.96	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
Fluoranthene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Fluorene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Hexachlorobenzene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Hexachlorobutadiene	ND		0.96	0.26	ug/L		02/07/13 09:30	02/12/13 14:11	1
Hexachlorocyclopentadiene	ND	*	9.6	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
Hexachloroethane	ND		0.96	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Isophorone	ND		0.96	0.26	ug/L		02/07/13 09:30	02/12/13 14:11	1
2-Methylnaphthalene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
2-Methylphenol	ND		0.96	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
3 & 4 Methylphenol	ND		1.9	0.72	ug/L		02/07/13 09:30	02/12/13 14:11	1
Naphthalene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
2-Nitroaniline	ND		1.9	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
3-Nitroaniline	ND		1.9	0.27	ug/L		02/07/13 09:30	02/12/13 14:11	1
4-Nitroaniline	ND		1.9	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1
Nitrobenzene	ND		0.96	0.038	ug/L		02/07/13 09:30	02/12/13 14:11	1
2-Nitrophenol	ND		1.9	0.27	ug/L		02/07/13 09:30	02/12/13 14:11	1
4-Nitrophenol	ND		4.8	2.3	ug/L		02/07/13 09:30	02/12/13 14:11	1
N-Nitrosodi-n-propylamine	ND		0.96	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: MW-09

Date Collected: 02/05/13 11:55
Date Received: 02/05/13 17:30

Lab Sample ID: 240-20715-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		0.96	0.30	ug/L		02/07/13 09:30	02/12/13 14:11	1
2,2'-oxybis[1-chloropropane]	ND		0.96	0.38	ug/L		02/07/13 09:30	02/12/13 14:11	1
Pentachlorophenol	ND		4.8	2.3	ug/L		02/07/13 09:30	02/12/13 14:11	1
Phenanthrene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
Phenol	ND		0.96	0.58	ug/L		02/07/13 09:30	02/12/13 14:11	1
Pyrene	ND		0.19	0.096	ug/L		02/07/13 09:30	02/12/13 14:11	1
1,2,4-Trichlorobenzene	ND		0.96	0.27	ug/L		02/07/13 09:30	02/12/13 14:11	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		02/07/13 09:30	02/12/13 14:11	1
2,4,6-Trichlorophenol	ND		4.8	0.77	ug/L		02/07/13 09:30	02/12/13 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*20 - 110*	*02/07/13 09:30*	*02/12/13 14:11*	*1*
2-Fluorophenol (Surr)	*83*		*10 - 110*	*02/07/13 09:30*	*02/12/13 14:11*	*1*
Nitrobenzene-d5 (Surr)	*66*		*21 - 110*	*02/07/13 09:30*	*02/12/13 14:11*	*1*
Phenol-d5 (Surr)	*85*		*21 - 110*	*02/07/13 09:30*	*02/12/13 14:11*	*1*
Terphenyl-d14 (Surr)	*78*		*24 - 110*	*02/07/13 09:30*	*02/12/13 14:11*	*1*
2,4,6-Tribromophenol (Surr)	*90*		*21 - 110*	*02/07/13 09:30*	*02/12/13 14:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		0.48	0.16	ug/L		02/07/13 09:40	02/08/13 19:11	1
Aroclor 1221	ND		0.48	0.13	ug/L		02/07/13 09:40	02/08/13 19:11	1
Aroclor 1232	ND		0.48	0.15	ug/L		02/07/13 09:40	02/08/13 19:11	1
Aroclor 1242	ND		0.48	0.21	ug/L		02/07/13 09:40	02/08/13 19:11	1
Aroclor 1248	ND		0.48	0.096	ug/L		02/07/13 09:40	02/08/13 19:11	1
Aroclor 1254	ND		0.48	0.15	ug/L		02/07/13 09:40	02/08/13 19:11	1
Aroclor 1260	ND		0.48	0.16	ug/L		02/07/13 09:40	02/08/13 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*64*		*23 - 136*	*02/07/13 09:40*	*02/08/13 19:11*	*1*
DCB Decachlorobiphenyl	*41*		*10 - 130*	*02/07/13 09:40*	*02/08/13 19:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	1000		200	0.67	ug/L		02/07/13 07:05	02/08/13 21:12	1
Cadmium	ND		2.0	0.66	ug/L		02/07/13 07:05	02/08/13 21:12	1
Chromium	ND		5.0	2.2	ug/L		02/07/13 07:05	02/08/13 21:12	1
Silver	ND		5.0	2.2	ug/L		02/07/13 07:05	02/08/13 21:12	1
Arsenic	9.8	J	10	3.2	ug/L		02/07/13 07:05	02/08/13 21:12	1
Lead	ND		3.0	1.9	ug/L		02/07/13 07:05	02/08/13 21:12	1
Selenium	ND		5.0	4.1	ug/L		02/07/13 07:05	02/08/13 21:12	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		02/07/13 14:40	02/08/13 15:57	1

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: MW-10

Lab Sample ID: 240-20715-2

Date Collected: 02/05/13 13:00
Date Received: 02/05/13 17:30

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1.4**	J	10	1.1	ug/L			02/11/13 14:06	1
Benzene	ND		1.0	0.13	ug/L			02/11/13 14:06	1
Bromodichloromethane	ND		1.0	0.15	ug/L			02/11/13 14:06	1
Bromoform	ND		1.0	0.64	ug/L			02/11/13 14:06	1
Bromomethane	ND		1.0	0.41	ug/L			02/11/13 14:06	1
2-Butanone (MEK)	ND		10	0.57	ug/L			02/11/13 14:06	1
Carbon disulfide	ND		1.0	0.13	ug/L			02/11/13 14:06	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			02/11/13 14:06	1
Chlorobenzene	ND		1.0	0.15	ug/L			02/11/13 14:06	1
Chloroethane	ND		1.0	0.29	ug/L			02/11/13 14:06	1
Chloroform	ND		1.0	0.16	ug/L			02/11/13 14:06	1
Chloromethane	ND		1.0	0.30	ug/L			02/11/13 14:06	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			02/11/13 14:06	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			02/11/13 14:06	1
Dibromochloromethane	ND		1.0	0.18	ug/L			02/11/13 14:06	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			02/11/13 14:06	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			02/11/13 14:06	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			02/11/13 14:06	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			02/11/13 14:06	1
Ethylbenzene	ND		1.0	0.17	ug/L			02/11/13 14:06	1
2-Hexanone	ND		10	0.41	ug/L			02/11/13 14:06	1
Methylene Chloride	ND		1.0	0.33	ug/L			02/11/13 14:06	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			02/11/13 14:06	1
Styrene	ND		1.0	0.11	ug/L			02/11/13 14:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			02/11/13 14:06	1
Tetrachloroethene	ND		1.0	0.29	ug/L			02/11/13 14:06	1
Toluene	ND		1.0	0.13	ug/L			02/11/13 14:06	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			02/11/13 14:06	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			02/11/13 14:06	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			02/11/13 14:06	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			02/11/13 14:06	1
Trichloroethene	ND		1.0	0.17	ug/L			02/11/13 14:06	1
Vinyl chloride	ND		1.0	0.22	ug/L			02/11/13 14:06	1
Xylenes, Total	ND		2.0	0.28	ug/L			02/11/13 14:06	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			02/11/13 14:06	1
n-Hexane	ND		1.0	0.26	ug/L			02/11/13 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*66 - 117*		*02/11/13 14:06*	*1*
Dibromofluoromethane (Surr)	*83*		*75 - 121*		*02/11/13 14:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*63 - 129*		*02/11/13 14:06*	*1*
Toluene-d8 (Surr)	*83*		*74 - 115*		*02/11/13 14:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Acenaphthylene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Anthracene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Benzo[a]anthracene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1

Client Sample ID: MW-10

Lab Sample ID: 240-20715-2

Date Collected: 02/05/13 13:00

Matrix: Water

Date Received: 02/05/13 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		02/07/13 09:30	02/12/13 14:33	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Bis(2-ethylhexyl) phthalate	1.4	J B	2.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
Butyl benzyl phthalate	ND		1.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
4-Chloroaniline	ND		2.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
2-Chlorophenol	ND		1.0	0.29	ug/L		02/07/13 09:30	02/12/13 14:33	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		02/07/13 09:30	02/12/13 14:33	1
Chrysene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Dibenzofuran	ND		1.0	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
1,2-Dichlorobenzene	ND		1.0	0.29	ug/L		02/07/13 09:30	02/12/13 14:33	1
1,3-Dichlorobenzene	ND		1.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
1,4-Dichlorobenzene	ND		1.0	0.34	ug/L		02/07/13 09:30	02/12/13 14:33	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		02/07/13 09:30	02/12/13 14:33	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
Diethyl phthalate	ND		1.0	0.60	ug/L		02/07/13 09:30	02/12/13 14:33	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
Dimethyl phthalate	ND		1.0	0.29	ug/L		02/07/13 09:30	02/12/13 14:33	1
Di-n-butyl phthalate	ND		1.0	0.67	ug/L		02/07/13 09:30	02/12/13 14:33	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		02/07/13 09:30	02/12/13 14:33	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		02/07/13 09:30	02/12/13 14:33	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		02/07/13 09:30	02/12/13 14:33	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
Di-n-octyl phthalate	ND		1.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
Fluoranthene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Fluorene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		02/07/13 09:30	02/12/13 14:33	1
Hexachlorocyclopentadiene	ND	*	10	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
Hexachloroethane	ND		1.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Isophorone	ND		1.0	0.27	ug/L		02/07/13 09:30	02/12/13 14:33	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
2-Methylphenol	ND		1.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		02/07/13 09:30	02/12/13 14:33	1
Naphthalene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
2-Nitroaniline	ND		2.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
3-Nitroaniline	ND		2.0	0.28	ug/L		02/07/13 09:30	02/12/13 14:33	1
4-Nitroaniline	ND		2.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1
Nitrobenzene	ND		1.0	0.040	ug/L		02/07/13 09:30	02/12/13 14:33	1
2-Nitrophenol	ND		2.0	0.28	ug/L		02/07/13 09:30	02/12/13 14:33	1
4-Nitrophenol	ND		5.0	2.4	ug/L		02/07/13 09:30	02/12/13 14:33	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: MW-10

Date Collected: 02/05/13 13:00
Date Received: 02/05/13 17:30

Lab Sample ID: 240-20715-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		02/07/13 09:30	02/12/13 14:33	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		02/07/13 09:30	02/12/13 14:33	1
Pentachlorophenol	ND		5.0	2.4	ug/L		02/07/13 09:30	02/12/13 14:33	1
Phenanthrene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
Phenol	ND		1.0	0.60	ug/L		02/07/13 09:30	02/12/13 14:33	1
Pyrene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/12/13 14:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.28	ug/L		02/07/13 09:30	02/12/13 14:33	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		02/07/13 09:30	02/12/13 14:33	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		02/07/13 09:30	02/12/13 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*50*		*20 - 110*	*02/07/13 09:30*	*02/12/13 14:33*	*1*
2-Fluorophenol (Surr)	*57*		*10 - 110*	*02/07/13 09:30*	*02/12/13 14:33*	*1*
Nitrobenzene-d5 (Surr)	*48*		*21 - 110*	*02/07/13 09:30*	*02/12/13 14:33*	*1*
Phenol-d5 (Surr)	*63*		*21 - 110*	*02/07/13 09:30*	*02/12/13 14:33*	*1*
Terphenyl-d14 (Surr)	*69*		*24 - 110*	*02/07/13 09:30*	*02/12/13 14:33*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*21 - 110*	*02/07/13 09:30*	*02/12/13 14:33*	*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		02/07/13 09:40	02/08/13 19:26	1
Aroclor 1221	ND		0.49	0.13	ug/L		02/07/13 09:40	02/08/13 19:26	1
Aroclor 1232	ND		0.49	0.16	ug/L		02/07/13 09:40	02/08/13 19:26	1
Aroclor 1242	ND		0.49	0.21	ug/L		02/07/13 09:40	02/08/13 19:26	1
Aroclor 1248	ND		0.49	0.097	ug/L		02/07/13 09:40	02/08/13 19:26	1
Aroclor 1254	ND		0.49	0.16	ug/L		02/07/13 09:40	02/08/13 19:26	1
Aroclor 1260	ND		0.49	0.17	ug/L		02/07/13 09:40	02/08/13 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*68*		*23 - 136*	*02/07/13 09:40*	*02/08/13 19:26*	*1*
DCB Decachlorobiphenyl	*36*		*10 - 130*	*02/07/13 09:40*	*02/08/13 19:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**380**		200	0.67	ug/L		02/07/13 07:05	02/08/13 21:18	1
Cadmium	ND		2.0	0.66	ug/L		02/07/13 07:05	02/08/13 21:18	1
Chromium	ND		5.0	2.2	ug/L		02/07/13 07:05	02/08/13 21:18	1
Silver	ND		5.0	2.2	ug/L		02/07/13 07:05	02/08/13 21:18	1
Arsenic	**9.4**	J	10	3.2	ug/L		02/07/13 07:05	02/08/13 21:18	1
Lead	ND		3.0	1.9	ug/L		02/07/13 07:05	02/08/13 21:18	1
Selenium	ND		5.0	4.1	ug/L		02/07/13 07:05	02/08/13 21:18	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		02/07/13 14:40	02/08/13 15:56	1

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: TB-06

Lab Sample ID: 240-20715-3

Date Collected: 02/05/13 00:00
Date Received: 02/05/13 17:30

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14		10	1.1	ug/L			02/11/13 14:28	1
Benzene	ND		1.0	0.13	ug/L			02/11/13 14:28	1
Bromodichloromethane	ND		1.0	0.15	ug/L			02/11/13 14:28	1
Bromoform	ND		1.0	0.64	ug/L			02/11/13 14:28	1
Bromomethane	ND		1.0	0.41	ug/L			02/11/13 14:28	1
2-Butanone (MEK)	0.68	J	10	0.57	ug/L			02/11/13 14:28	1
Carbon disulfide	ND		1.0	0.13	ug/L			02/11/13 14:28	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			02/11/13 14:28	1
Chlorobenzene	ND		1.0	0.15	ug/L			02/11/13 14:28	1
Chloroethane	ND		1.0	0.29	ug/L			02/11/13 14:28	1
Chloroform	ND		1.0	0.16	ug/L			02/11/13 14:28	1
Chloromethane	ND		1.0	0.30	ug/L			02/11/13 14:28	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			02/11/13 14:28	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			02/11/13 14:28	1
Dibromochloromethane	ND		1.0	0.18	ug/L			02/11/13 14:28	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			02/11/13 14:28	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			02/11/13 14:28	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			02/11/13 14:28	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			02/11/13 14:28	1
Ethylbenzene	ND		1.0	0.17	ug/L			02/11/13 14:28	1
2-Hexanone	ND		10	0.41	ug/L			02/11/13 14:28	1
Methylene Chloride	1.3		1.0	0.33	ug/L			02/11/13 14:28	1
4-Methyl-2-pentanone (MIBK)	0.37	J	10	0.32	ug/L			02/11/13 14:28	1
Styrene	ND		1.0	0.11	ug/L			02/11/13 14:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			02/11/13 14:28	1
Tetrachloroethene	ND		1.0	0.29	ug/L			02/11/13 14:28	1
Toluene	ND		1.0	0.13	ug/L			02/11/13 14:28	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			02/11/13 14:28	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			02/11/13 14:28	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			02/11/13 14:28	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			02/11/13 14:28	1
Trichloroethene	ND		1.0	0.17	ug/L			02/11/13 14:28	1
Vinyl chloride	ND		1.0	0.22	ug/L			02/11/13 14:28	1
Xylenes, Total	ND		2.0	0.28	ug/L			02/11/13 14:28	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			02/11/13 14:28	1
n-Hexane	ND		1.0	0.26	ug/L			02/11/13 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*66 - 117*		*02/11/13 14:28*	*1*
Dibromofluoromethane (Surr)	*81*		*75 - 121*		*02/11/13 14:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*63 - 129*		*02/11/13 14:28*	*1*
Toluene-d8 (Surr)	*81*		*74 - 115*		*02/11/13 14:28*	*1*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS02/0.0-2.0

Lab Sample ID: 240-20715-4

Date Collected: 02/05/13 10:00
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 71.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Benzo[a]pyrene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Benzo[b]fluoranthene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Benzo[g,h,i]perylene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Benzo[k]fluoranthene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Anthracene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Chrysene	ND		3100	510	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Dibenz(a,h)anthracene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Fluoranthene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Fluorene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Indeno[1,2,3-cd]pyrene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Phenanthrene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Pyrene	**1600**	J	3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Acenaphthene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Acenaphthylene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50
Naphthalene	ND		3100	1500	ug/Kg	☼	02/14/13 13:50	02/15/13 17:53	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*X*	*24 - 110*	*02/14/13 13:50*	*02/15/13 17:53*	*50*
2-Fluorophenol (Surr)	*0*	*X*	*24 - 110*	*02/14/13 13:50*	*02/15/13 17:53*	*50*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*10 - 110*	*02/14/13 13:50*	*02/15/13 17:53*	*50*
Nitrobenzene-d5 (Surr)	*0*	*X*	*20 - 110*	*02/14/13 13:50*	*02/15/13 17:53*	*50*
Phenol-d5 (Surr)	*0*	*X*	*26 - 110*	*02/14/13 13:50*	*02/15/13 17:53*	*50*
Terphenyl-d14 (Surr)	*0*	*X*	*36 - 110*	*02/14/13 13:50*	*02/15/13 17:53*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		33000	18000	mg/Kg	☼	02/07/13 10:08	02/13/13 00:44	50
Oil Range Organics (C20-C34)	**160000**		33000	18000	mg/Kg	☼	02/07/13 10:08	02/13/13 00:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*49*		*10 - 110*	*02/07/13 10:08*	*02/13/13 00:44*	*50*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS02/2.0-2.1

Lab Sample ID: 240-20715-5

Date Collected: 02/05/13 10:05
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**99**		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Benzo[a]pyrene	ND		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Benzo[b]fluoranthene	**210**		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Benzo[g,h,i]perylene	ND		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Benzo[k]fluoranthene	ND		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Anthracene	ND		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Chrysene	**150**		78	13	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Dibenz(a,h)anthracene	ND		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Fluoranthene	**120**		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Fluorene	ND		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Indeno[1,2,3-cd]pyrene	ND		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Phenanthrene	**67**	J	78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Pyrene	**210**		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Acenaphthene	ND		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Acenaphthylene	ND		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10
Naphthalene	ND		78	39	ug/Kg	☼	02/14/13 13:50	02/15/13 19:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*24 - 110*	*02/14/13 13:50*	*02/15/13 19:01*	*10*
2-Fluorophenol (Surr)	*75*		*24 - 110*	*02/14/13 13:50*	*02/15/13 19:01*	*10*
2,4,6-Tribromophenol (Surr)	*86*		*10 - 110*	*02/14/13 13:50*	*02/15/13 19:01*	*10*
Nitrobenzene-d5 (Surr)	*57*		*20 - 110*	*02/14/13 13:50*	*02/15/13 19:01*	*10*
Phenol-d5 (Surr)	*73*		*26 - 110*	*02/14/13 13:50*	*02/15/13 19:01*	*10*
Terphenyl-d14 (Surr)	*68*		*36 - 110*	*02/14/13 13:50*	*02/15/13 19:01*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		390	220	mg/Kg	☼	02/08/13 11:11	02/13/13 20:25	20
Oil Range Organics (C20-C34)	**5600**		390	220	mg/Kg	☼	02/08/13 11:11	02/13/13 20:25	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*59*		*10 - 110*	*02/08/13 11:11*	*02/13/13 20:25*	*20*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS03/0.0-1.0

Lab Sample ID: 240-20715-6

Date Collected: 02/05/13 10:30
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Benzo[a]pyrene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Benzo[b]fluoranthene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Benzo[g,h,i]perylene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Benzo[k]fluoranthene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Anthracene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Chrysene	ND		880	140	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Dibenz(a,h)anthracene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Fluoranthene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Fluorene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Indeno[1,2,3-cd]pyrene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Phenanthrene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Pyrene	**800**	J	880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Acenaphthene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Acenaphthylene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100
Naphthalene	ND		880	430	ug/Kg	☼	02/14/13 13:50	02/15/13 21:17	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*24 - 110*	*02/14/13 13:50*	*02/15/13 21:17*	*100*
2-Fluorophenol (Surr)	*99*		*24 - 110*	*02/14/13 13:50*	*02/15/13 21:17*	*100*
2,4,6-Tribromophenol (Surr)	*305*	*X*	*10 - 110*	*02/14/13 13:50*	*02/15/13 21:17*	*100*
Nitrobenzene-d5 (Surr)	*77*		*20 - 110*	*02/14/13 13:50*	*02/15/13 21:17*	*100*
Phenol-d5 (Surr)	*92*		*26 - 110*	*02/14/13 13:50*	*02/15/13 21:17*	*100*
Terphenyl-d14 (Surr)	*86*		*36 - 110*	*02/14/13 13:50*	*02/15/13 21:17*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		1100	600	mg/Kg	☼	02/08/13 11:11	02/13/13 20:55	50
Oil Range Organics (C20-C34)	**16000**		1100	600	mg/Kg	☼	02/08/13 11:11	02/13/13 20:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*55*		*10 - 110*	*02/08/13 11:11*	*02/13/13 20:55*	*50*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: DUP-04

Lab Sample ID: 240-20715-7

Date Collected: 02/05/13 00:00
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 66.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Benzo[a]pyrene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Benzo[b]fluoranthene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Benzo[g,h,i]perylene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Benzo[k]fluoranthene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Anthracene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Chrysene	ND		3200	530	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Dibenz(a,h)anthracene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Fluoranthene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Fluorene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Indeno[1,2,3-cd]pyrene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Phenanthrene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Pyrene	**1900**	**J**	3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Acenaphthene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Acenaphthylene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50
Naphthalene	ND		3200	1600	ug/Kg	☼	02/14/13 13:50	02/15/13 20:32	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*X*	*24 - 110*	*02/14/13 13:50*	*02/15/13 20:32*	*50*
2-Fluorophenol (Surr)	*0*	*X*	*24 - 110*	*02/14/13 13:50*	*02/15/13 20:32*	*50*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*10 - 110*	*02/14/13 13:50*	*02/15/13 20:32*	*50*
Nitrobenzene-d5 (Surr)	*0*	*X*	*20 - 110*	*02/14/13 13:50*	*02/15/13 20:32*	*50*
Phenol-d5 (Surr)	*0*	*X*	*26 - 110*	*02/14/13 13:50*	*02/15/13 20:32*	*50*
Terphenyl-d14 (Surr)	*0*	*X*	*36 - 110*	*02/14/13 13:50*	*02/15/13 20:32*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		38000	21000	mg/Kg	☼	02/08/13 11:11	02/13/13 21:25	50
Oil Range Organics (C20-C34)	**320000**		38000	21000	mg/Kg	☼	02/08/13 11:11	02/13/13 21:25	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*52*		*10 - 110*	*02/08/13 11:11*	*02/13/13 21:25*	*50*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS03/1.5-2.0

Lab Sample ID: 240-20715-8

Date Collected: 02/05/13 10:35
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	350		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Benzo[a]pyrene	530		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Benzo[b]fluoranthene	510		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Benzo[g,h,i]perylene	170		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Benzo[k]fluoranthene	54	J	81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Anthracene	ND		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Chrysene	840		81	13	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Dibenz(a,h)anthracene	ND		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Fluoranthene	350		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Fluorene	120		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Indeno[1,2,3-cd]pyrene	ND		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Phenanthrene	390		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Pyrene	1300		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Acenaphthene	74	J	81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Acenaphthylene	ND		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10
Naphthalene	73	J	81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*55*		*24 - 110*	*02/14/13 13:50*	*02/15/13 19:46*	*10*
2-Fluorophenol (Surr)	*71*		*24 - 110*	*02/14/13 13:50*	*02/15/13 19:46*	*10*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 110*	*02/14/13 13:50*	*02/15/13 19:46*	*10*
Nitrobenzene-d5 (Surr)	*57*		*20 - 110*	*02/14/13 13:50*	*02/15/13 19:46*	*10*
Phenol-d5 (Surr)	*73*		*26 - 110*	*02/14/13 13:50*	*02/15/13 19:46*	*10*
Terphenyl-d14 (Surr)	*62*		*36 - 110*	*02/14/13 13:50*	*02/15/13 19:46*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	120	J	200	110	mg/Kg	☼	02/08/13 11:11	02/13/13 15:54	10
Oil Range Organics (C20-C34)	1700		200	110	mg/Kg	☼	02/08/13 11:11	02/13/13 15:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*47*		*10 - 110*	*02/08/13 11:11*	*02/13/13 15:54*	*10*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS04/0.0-1.8 | **Lab Sample ID: 240-20715-9**

Date Collected: 02/05/13 10:40 | Matrix: Solid

Date Received: 02/05/13 17:30 | Percent Solids: 76.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Benzo[a]pyrene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Benzo[b]fluoranthene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Benzo[g,h,i]perylene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Benzo[k]fluoranthene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Anthracene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Chrysene	ND		1800	290	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Dibenz(a,h)anthracene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Fluoranthene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Fluorene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Indeno[1,2,3-cd]pyrene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Phenanthrene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Pyrene	1400	J	1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Acenaphthene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Acenaphthylene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50
Naphthalene	ND		1800	870	ug/Kg	☼	02/14/13 13:50	02/15/13 20:09	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*X*	*24 - 110*	*02/14/13 13:50*	*02/15/13 20:09*	*50*
2-Fluorophenol (Surr)	*0*	*X*	*24 - 110*	*02/14/13 13:50*	*02/15/13 20:09*	*50*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*10 - 110*	*02/14/13 13:50*	*02/15/13 20:09*	*50*
Nitrobenzene-d5 (Surr)	*0*	*X*	*20 - 110*	*02/14/13 13:50*	*02/15/13 20:09*	*50*
Phenol-d5 (Surr)	*0*	*X*	*26 - 110*	*02/14/13 13:50*	*02/15/13 20:09*	*50*
Terphenyl-d14 (Surr)	*0*	*X*	*36 - 110*	*02/14/13 13:50*	*02/15/13 20:09*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	1000	J	1300	750	mg/Kg	☼	02/08/13 11:11	02/13/13 21:55	50
Oil Range Organics (C20-C34)	9800		1300	750	mg/Kg	☼	02/08/13 11:11	02/13/13 21:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*56*		*10 - 110*	*02/08/13 11:11*	*02/13/13 21:55*	*50*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS04/1.8-2.0

Lab Sample ID: 240-20715-10

Date Collected: 02/05/13 10:45
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	49		41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Benzo[a]pyrene	170		41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Benzo[b]fluoranthene	110		41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Benzo[g,h,i]perylene	220		41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Benzo[k]fluoranthene	ND		41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Anthracene	ND		41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Chrysene	96		41	6.7	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Dibenz(a,h)anthracene	ND		41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Fluoranthene	39	J	41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Fluorene	ND		41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Indeno[1,2,3-cd]pyrene	ND		41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Phenanthrene	84		41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Pyrene	90		41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Acenaphthene	ND		41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Acenaphthylene	ND		41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5
Naphthalene	40	J	41	20	ug/Kg	☼	02/14/13 13:50	02/15/13 16:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*24 - 110*	*02/14/13 13:50*	*02/15/13 16:21*	*5*
2-Fluorophenol (Surr)	*67*		*24 - 110*	*02/14/13 13:50*	*02/15/13 16:21*	*5*
2,4,6-Tribromophenol (Surr)	*66*		*10 - 110*	*02/14/13 13:50*	*02/15/13 16:21*	*5*
Nitrobenzene-d5 (Surr)	*50*		*20 - 110*	*02/14/13 13:50*	*02/15/13 16:21*	*5*
Phenol-d5 (Surr)	*68*		*26 - 110*	*02/14/13 13:50*	*02/15/13 16:21*	*5*
Terphenyl-d14 (Surr)	*65*		*36 - 110*	*02/14/13 13:50*	*02/15/13 16:21*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		100	56	mg/Kg	☼	02/08/13 11:11	02/13/13 16:55	5
Oil Range Organics (C20-C34)	460		100	56	mg/Kg	☼	02/08/13 11:11	02/13/13 16:55	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*42*		*10 - 110*	*02/08/13 11:11*	*02/13/13 16:55*	*5*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS05/0.0-1.8
Date Collected: 02/05/13 11:20
Date Received: 02/05/13 17:30

Lab Sample ID: 240-20715-11
Matrix: Solid
Percent Solids: 70.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**180**		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Benzo[a]pyrene	**430**		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Benzo[b]fluoranthene	**390**		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Benzo[g,h,i]perylene	**350**		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Benzo[k]fluoranthene	ND		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Anthracene	ND		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Chrysene	**330**		120	19	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Dibenz(a,h)anthracene	ND		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Fluoranthene	**160**		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Fluorene	ND		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Indeno[1,2,3-cd]pyrene	ND		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Phenanthrene	**240**		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Pyrene	**450**		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Acenaphthene	ND		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Acenaphthylene	ND		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10
Naphthalene	**140**		120	58	ug/Kg	☼	02/13/13 12:15	02/15/13 15:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*100*		*24 - 110*	*02/13/13 12:15*	*02/15/13 15:36*	*10*
2-Fluorophenol (Surr)	*147*	*X*	*24 - 110*	*02/13/13 12:15*	*02/15/13 15:36*	*10*
2,4,6-Tribromophenol (Surr)	*157*	*X*	*10 - 110*	*02/13/13 12:15*	*02/15/13 15:36*	*10*
Nitrobenzene-d5 (Surr)	*105*		*20 - 110*	*02/13/13 12:15*	*02/15/13 15:36*	*10*
Phenol-d5 (Surr)	*139*	*X*	*26 - 110*	*02/13/13 12:15*	*02/15/13 15:36*	*10*
Terphenyl-d14 (Surr)	*114*	*X*	*36 - 110*	*02/13/13 12:15*	*02/15/13 15:36*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		2300	1300	mg/Kg	☼	02/08/13 11:11	02/13/13 17:25	100
Oil Range Organics (C20-C34)	**23000**		2300	1300	mg/Kg	☼	02/08/13 11:11	02/13/13 17:25	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*73*		*10 - 110*	*02/08/13 11:11*	*02/13/13 17:25*	*100*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS05/1.8-2.0
Date Collected: 02/05/13 11:25
Date Received: 02/05/13 17:30

Lab Sample ID: 240-20715-12
Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Benzo[a]pyrene	**430**		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Benzo[b]fluoranthene	**290**		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Benzo[g,h,i]perylene	**190**		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Benzo[k]fluoranthene	ND		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Anthracene	ND		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Chrysene	**320**		81	13	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Dibenz(a,h)anthracene	ND		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Fluoranthene	**140**		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Fluorene	ND		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Indeno[1,2,3-cd]pyrene	ND		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Phenanthrene	**100**		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Pyrene	**330**		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Acenaphthene	ND		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Acenaphthylene	ND		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10
Naphthalene	ND		81	40	ug/Kg	☼	02/14/13 13:50	02/15/13 19:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*24 - 110*	*02/14/13 13:50*	*02/15/13 19:24*	*10*
2-Fluorophenol (Surr)	*65*		*24 - 110*	*02/14/13 13:50*	*02/15/13 19:24*	*10*
2,4,6-Tribromophenol (Surr)	*77*		*10 - 110*	*02/14/13 13:50*	*02/15/13 19:24*	*10*
Nitrobenzene-d5 (Surr)	*51*		*20 - 110*	*02/14/13 13:50*	*02/15/13 19:24*	*10*
Phenol-d5 (Surr)	*66*		*26 - 110*	*02/14/13 13:50*	*02/15/13 19:24*	*10*
Terphenyl-d14 (Surr)	*62*		*36 - 110*	*02/14/13 13:50*	*02/15/13 19:24*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		210	110	mg/Kg	☼	02/08/13 11:11	02/13/13 17:55	10
Oil Range Organics (C20-C34)	**1400**		210	110	mg/Kg	☼	02/08/13 11:11	02/13/13 17:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*49*		*10 - 110*	*02/08/13 11:11*	*02/13/13 17:55*	*10*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS06/0.0-1.8

Lab Sample ID: 240-20715-13

Date Collected: 02/05/13 11:55
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 70.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Benzo[a]pyrene	ND		190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Benzo[b]fluoranthene	**330**		190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Benzo[g,h,i]perylene	**430**		190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Benzo[k]fluoranthene	ND		190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Anthracene	ND		190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Chrysene	ND		190	31	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Dibenz(a,h)anthracene	ND		190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Fluoranthene	ND		190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Fluorene	ND		190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Indeno[1,2,3-cd]pyrene	ND		190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Phenanthrene	**160**	J	190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Pyrene	**210**		190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Acenaphthene	ND		190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Acenaphthylene	ND		190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20
Naphthalene	**130**	J	190	94	ug/Kg	☼	02/14/13 13:50	02/18/13 19:53	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*54*		*24 - 110*	*02/14/13 13:50*	*02/18/13 19:53*	*20*
2-Fluorophenol (Surr)	*78*		*24 - 110*	*02/14/13 13:50*	*02/18/13 19:53*	*20*
2,4,6-Tribromophenol (Surr)	*104*		*10 - 110*	*02/14/13 13:50*	*02/18/13 19:53*	*20*
Nitrobenzene-d5 (Surr)	*53*		*20 - 110*	*02/14/13 13:50*	*02/18/13 19:53*	*20*
Phenol-d5 (Surr)	*68*		*26 - 110*	*02/14/13 13:50*	*02/18/13 19:53*	*20*
Terphenyl-d14 (Surr)	*63*		*36 - 110*	*02/14/13 13:50*	*02/18/13 19:53*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		2300	1300	mg/Kg	☼	02/08/13 11:11	02/12/13 19:14	100
Oil Range Organics (C20-C34)	**31000**		2300	1300	mg/Kg	☼	02/08/13 11:11	02/12/13 19:14	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*62*		*10 - 110*	*02/08/13 11:11*	*02/12/13 19:14*	*100*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS06/1.8-2.0
Date Collected: 02/05/13 12:00
Date Received: 02/05/13 17:30

Lab Sample ID: 240-20715-14
Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	44		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Benzo[a]pyrene	70		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Benzo[b]fluoranthene	47		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Benzo[g,h,i]perylene	23		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Benzo[k]fluoranthene	ND		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Anthracene	ND		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Chrysene	89		16	2.6	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Dibenz(a,h)anthracene	ND		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Fluoranthene	23		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Fluorene	ND		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Indeno[1,2,3-cd]pyrene	ND		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Phenanthrene	16		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Pyrene	130		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Acenaphthene	ND		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Acenaphthylene	ND		16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2
Naphthalene	8.0	J	16	7.8	ug/Kg	☼	02/14/13 13:50	02/15/13 22:03	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*24 - 110*	*02/14/13 13:50*	*02/15/13 22:03*	*2*
2-Fluorophenol (Surr)	*77*		*24 - 110*	*02/14/13 13:50*	*02/15/13 22:03*	*2*
2,4,6-Tribromophenol (Surr)	*60*		*10 - 110*	*02/14/13 13:50*	*02/15/13 22:03*	*2*
Nitrobenzene-d5 (Surr)	*60*		*20 - 110*	*02/14/13 13:50*	*02/15/13 22:03*	*2*
Phenol-d5 (Surr)	*78*		*26 - 110*	*02/14/13 13:50*	*02/15/13 22:03*	*2*
Terphenyl-d14 (Surr)	*72*		*36 - 110*	*02/14/13 13:50*	*02/15/13 22:03*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	20		20	11	mg/Kg	☼	02/08/13 11:11	02/13/13 18:55	1
Oil Range Organics (C20-C34)	210		20	11	mg/Kg	☼	02/08/13 11:11	02/13/13 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*41*		*10 - 110*	*02/08/13 11:11*	*02/13/13 18:55*	*1*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS07/0.0-1.8

Lab Sample ID: 240-20715-15

Date Collected: 02/05/13 12:20
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Benzo[a]pyrene	ND		430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Benzo[b]fluoranthene	ND		430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Benzo[g,h,i]perylene	ND		430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Benzo[k]fluoranthene	ND		430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Anthracene	ND		430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Chrysene	ND		430	71	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Dibenz(a,h)anthracene	ND		430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Fluoranthene	ND		430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Fluorene	ND		430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Indeno[1,2,3-cd]pyrene	ND		430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Phenanthrene	**240**	J	430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Pyrene	**220**	J	430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Acenaphthene	ND		430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Acenaphthylene	ND		430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50
Naphthalene	ND		430	210	ug/Kg	☼	02/14/13 13:50	02/15/13 16:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*80*		*24 - 110*	*02/14/13 13:50*	*02/15/13 16:44*	*50*
2-Fluorophenol (Surr)	*83*		*24 - 110*	*02/14/13 13:50*	*02/15/13 16:44*	*50*
2,4,6-Tribromophenol (Surr)	*204*	*X*	*10 - 110*	*02/14/13 13:50*	*02/15/13 16:44*	*50*
Nitrobenzene-d5 (Surr)	*75*		*20 - 110*	*02/14/13 13:50*	*02/15/13 16:44*	*50*
Phenol-d5 (Surr)	*104*		*26 - 110*	*02/14/13 13:50*	*02/15/13 16:44*	*50*
Terphenyl-d14 (Surr)	*99*		*36 - 110*	*02/14/13 13:50*	*02/15/13 16:44*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		2100	1200	mg/Kg	☼	02/08/13 11:11	02/12/13 20:14	100
Oil Range Organics (C20-C34)	**18000**		2100	1200	mg/Kg	☼	02/08/13 11:11	02/12/13 20:14	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*60*		*10 - 110*	*02/08/13 11:11*	*02/12/13 20:14*	*100*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS07/1.8-2.0

Lab Sample ID: 240-20715-16

Date Collected: 02/05/13 12:25
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**120**		42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Benzo[a]pyrene	**260**		42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Benzo[b]fluoranthene	**290**		42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Benzo[g,h,i]perylene	**130**		42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Benzo[k]fluoranthene	**80**		42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Anthracene	**25**	J	42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Chrysene	**150**		42	6.9	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Dibenz(a,h)anthracene	ND		42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Fluoranthene	**180**		42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Fluorene	ND		42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Indeno[1,2,3-cd]pyrene	**210**		42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Phenanthrene	**100**		42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Pyrene	**180**		42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Acenaphthene	ND		42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Acenaphthylene	ND		42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5
Naphthalene	**25**	J	42	21	ug/Kg	☼	02/14/13 13:50	02/15/13 15:59	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*		*24 - 110*	*02/14/13 13:50*	*02/15/13 15:59*	*5*
2-Fluorophenol (Surr)	*69*		*24 - 110*	*02/14/13 13:50*	*02/15/13 15:59*	*5*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 110*	*02/14/13 13:50*	*02/15/13 15:59*	*5*
Nitrobenzene-d5 (Surr)	*55*		*20 - 110*	*02/14/13 13:50*	*02/15/13 15:59*	*5*
Phenol-d5 (Surr)	*73*		*26 - 110*	*02/14/13 13:50*	*02/15/13 15:59*	*5*
Terphenyl-d14 (Surr)	*70*		*36 - 110*	*02/14/13 13:50*	*02/15/13 15:59*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		210	120	mg/Kg	☼	02/08/13 11:11	02/12/13 21:44	10
Oil Range Organics (C20-C34)	**720**		210	120	mg/Kg	☼	02/08/13 11:11	02/12/13 21:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*52*		*10 - 110*	*02/08/13 11:11*	*02/12/13 21:44*	*10*

Client Sample Results

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: DUP-05

Date Collected: 02/05/13 00:00
Date Received: 02/05/13 17:30

Lab Sample ID: 240-20715-17
Matrix: Solid
Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Benzo[a]pyrene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Benzo[b]fluoranthene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Benzo[g,h,i]perylene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Benzo[k]fluoranthene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Anthracene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Chrysene	ND		410	68	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Dibenz(a,h)anthracene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Fluoranthene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Fluorene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Indeno[1,2,3-cd]pyrene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Phenanthrene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Pyrene	410		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Acenaphthene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Acenaphthylene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50
Naphthalene	ND		410	200	ug/Kg	☼	02/14/13 13:50	02/15/13 21:40	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*86*		*24 - 110*	*02/14/13 13:50*	*02/15/13 21:40*	*50*
2-Fluorophenol (Surr)	*122*	*X*	*24 - 110*	*02/14/13 13:50*	*02/15/13 21:40*	*50*
2,4,6-Tribromophenol (Surr)	*229*	*X*	*10 - 110*	*02/14/13 13:50*	*02/15/13 21:40*	*50*
Nitrobenzene-d5 (Surr)	*82*		*20 - 110*	*02/14/13 13:50*	*02/15/13 21:40*	*50*
Phenol-d5 (Surr)	*122*	*X*	*26 - 110*	*02/14/13 13:50*	*02/15/13 21:40*	*50*
Terphenyl-d14 (Surr)	*100*		*36 - 110*	*02/14/13 13:50*	*02/15/13 21:40*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		1000	570	mg/Kg	☼	02/08/13 11:11	02/12/13 22:14	50
Oil Range Organics (C20-C34)	**6300**		1000	570	mg/Kg	☼	02/08/13 11:11	02/12/13 22:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*48*		*10 - 110*	*02/08/13 11:11*	*02/12/13 22:14*	*50*

Surrogate Summary

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

TestAmerica Job ID: 240-20715-1

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)
240-20715-1	MW-09	81	82	89	84
240-20715-2	MW-10	80	83	88	83
240-20715-3	TB-06	78	81	86	81
LCS 240-74893/4	Lab Control Sample	91	85	87	87
MB 240-74893/5	Method Blank	81	86	88	85

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	TBP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(24-110)	(24-110)	(10-110)	(20-110)	(26-110)	(36-110)
240-20715-4	IA06-SS02/0.0-2.0	0 X	0 X	0 X	0 X	0 X	0 X
240-20715-4 MS	IA06-SS02/0.0-2.0	0 X	0 X	0 X	0 X	0 X	0 X
240-20715-4 MSD	IA06-SS02/0.0-2.0	0 X	0 X	0 X	0 X	0 X	0 X
240-20715-5	IA06-SS02/2.0-2.1	58	75	86	57	73	68
240-20715-6	IA06-SS03/0.0-1.0	71	99	305 X	77	92	86
240-20715-7	DUP-04	0 X	0 X	0 X	0 X	0 X	0 X
240-20715-8	IA06-SS03/1.5-2.0	55	71	84	57	73	62
240-20715-9	IA06-SS04/0.0-1.8	0 X	0 X	0 X	0 X	0 X	0 X
240-20715-10	IA06-SS04/1.8-2.0	51	67	66	50	68	65
240-20715-11	IA06-SS05/0.0-1.8	100	147 X	157 X	105	139 X	114 X
240-20715-12	IA06-SS05/1.8-2.0	51	65	77	51	66	62
240-20715-13	IA06-SS06/0.0-1.8	54	78	104	53	68	63
240-20715-14	IA06-SS06/1.8-2.0	60	77	60	60	78	72
240-20715-15	IA06-SS07/0.0-1.8	80	83	204 X	75	104	99
240-20715-15 MS	IA06-SS07/0.0-1.8	56	68	162 X	51	73	65
240-20715-15 MSD	IA06-SS07/0.0-1.8	53	50	171 X	54	67	69
240-20715-16	IA06-SS07/1.8-2.0	57	69	80	55	73	70
240-20715-17	DUP-05	86	122 X	229 X	82	122 X	100
LCS 240-75218/15-A	Lab Control Sample	64	81	75	64	81	78
LCS 240-75369/22-A	Lab Control Sample	62	77	74	61	78	75
MB 240-75218/14-A	Method Blank	65	82	61	65	83	83
MB 240-75369/21-A	Method Blank	53	66	54	53	68	68

Surrogate Legend

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

Surrogate Summary

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

TestAmerica Job ID: 240-20715-1

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)
240-20715-1	MW-09	67	83	66	85	78	90
240-20715-2	MW-10	50	57	48	63	69	81
LCS 240-74585/18-A	Lab Control Sample	74	84	72	88	75	89
MB 240-74585/17-A	Method Blank	65	77	68	81	75	77

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: 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)
240-20715-4	IA06-SS02/0.0-2.0	49
240-20715-4 MS	IA06-SS02/0.0-2.0	50
240-20715-4 MSD	IA06-SS02/0.0-2.0	53
240-20715-5	IA06-SS02/2.0-2.1	59
240-20715-6	IA06-SS03/0.0-1.0	55
240-20715-7	DUP-04	52
240-20715-8	IA06-SS03/1.5-2.0	47
240-20715-9	IA06-SS04/0.0-1.8	56
240-20715-10	IA06-SS04/1.8-2.0	42
240-20715-11	IA06-SS05/0.0-1.8	73
240-20715-12	IA06-SS05/1.8-2.0	49
240-20715-13	IA06-SS06/0.0-1.8	62
240-20715-14	IA06-SS06/1.8-2.0	41
240-20715-15	IA06-SS07/0.0-1.8	60
240-20715-15 MS	IA06-SS07/0.0-1.8	62
240-20715-15 MSD	IA06-SS07/0.0-1.8	61
240-20715-16	IA06-SS07/1.8-2.0	52
240-20715-17	DUP-05	48
LCS 240-74594/23-A	Lab Control Sample	49
LCS 240-74749/22-A	Lab Control Sample	53
MB 240-74594/22-A	Method Blank	49
MB 240-74749/23-A	Method Blank	42

Surrogate Legend

C9 = n-Nonane

Surrogate Summary

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

TestAmerica Job ID: 240-20715-1

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**	**(23-136)**	**(10-130)**
240-20715-1	MW-09	64	41
240-20715-2	MW-10	68	36
LCS 240-74588/14-A	Lab Control Sample	79	76
MB 240-74588/13-A	Method Blank	72	76

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 240-74893/5
Matrix: Water
Analysis Batch: 74893

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			02/11/13 13:18	1
Benzene	ND		1.0	0.13	ug/L			02/11/13 13:18	1
Bromodichloromethane	ND		1.0	0.15	ug/L			02/11/13 13:18	1
Bromoform	ND		1.0	0.64	ug/L			02/11/13 13:18	1
Bromomethane	ND		1.0	0.41	ug/L			02/11/13 13:18	1
2-Butanone (MEK)	ND		10	0.57	ug/L			02/11/13 13:18	1
Carbon disulfide	ND		1.0	0.13	ug/L			02/11/13 13:18	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			02/11/13 13:18	1
Chlorobenzene	ND		1.0	0.15	ug/L			02/11/13 13:18	1
Chloroethane	ND		1.0	0.29	ug/L			02/11/13 13:18	1
Chloroform	ND		1.0	0.16	ug/L			02/11/13 13:18	1
Chloromethane	ND		1.0	0.30	ug/L			02/11/13 13:18	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			02/11/13 13:18	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			02/11/13 13:18	1
Dibromochloromethane	ND		1.0	0.18	ug/L			02/11/13 13:18	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			02/11/13 13:18	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			02/11/13 13:18	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			02/11/13 13:18	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			02/11/13 13:18	1
Ethylbenzene	ND		1.0	0.17	ug/L			02/11/13 13:18	1
2-Hexanone	ND		10	0.41	ug/L			02/11/13 13:18	1
Methylene Chloride	ND		1.0	0.33	ug/L			02/11/13 13:18	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			02/11/13 13:18	1
Styrene	ND		1.0	0.11	ug/L			02/11/13 13:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			02/11/13 13:18	1
Tetrachloroethene	ND		1.0	0.29	ug/L			02/11/13 13:18	1
Toluene	ND		1.0	0.13	ug/L			02/11/13 13:18	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			02/11/13 13:18	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			02/11/13 13:18	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			02/11/13 13:18	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			02/11/13 13:18	1
Trichloroethene	ND		1.0	0.17	ug/L			02/11/13 13:18	1
Vinyl chloride	ND		1.0	0.22	ug/L			02/11/13 13:18	1
Xylenes, Total	ND		2.0	0.28	ug/L			02/11/13 13:18	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			02/11/13 13:18	1
n-Hexane	ND		1.0	0.26	ug/L			02/11/13 13:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*66 - 117*		*02/11/13 13:18*	*1*
Dibromofluoromethane (Surr)	*86*		*75 - 121*		*02/11/13 13:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*63 - 129*		*02/11/13 13:18*	*1*
Toluene-d8 (Surr)	*85*		*74 - 115*		*02/11/13 13:18*	*1*

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

Lab Sample ID: LCS 240-74893/4
Matrix: Water
Analysis Batch: 74893

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	18.1		ug/L		91	43 - 136
Benzene	10.0	9.25		ug/L		93	83 - 112
Bromodichloromethane	10.0	9.55		ug/L		95	72 - 121
Bromoform	10.0	9.65		ug/L		96	40 - 131
Bromomethane	10.0	10.5		ug/L		105	11 - 185
2-Butanone (MEK)	20.0	18.6		ug/L		93	60 - 126
Carbon disulfide	10.0	8.28		ug/L		83	62 - 142
Carbon tetrachloride	10.0	9.74		ug/L		97	66 - 128
Chlorobenzene	10.0	9.45		ug/L		95	85 - 110
Chloroethane	10.0	9.36		ug/L		94	25 - 153
Chloroform	10.0	9.19		ug/L		92	79 - 117
Chloromethane	10.0	9.05		ug/L		90	44 - 126
cis-1,2-Dichloroethene	10.0	9.17		ug/L		92	80 - 113
cis-1,3-Dichloropropene	10.0	8.96		ug/L		90	61 - 115
Dibromochloromethane	10.0	9.49		ug/L		95	64 - 119
1,1-Dichloroethane	10.0	8.79		ug/L		88	82 - 115
1,2-Dichloroethane	10.0	9.62		ug/L		96	71 - 127
1,1-Dichloroethene	10.0	9.46		ug/L		95	78 - 131
1,2-Dichloropropane	10.0	9.29		ug/L		93	81 - 115
Ethylbenzene	10.0	9.69		ug/L		97	83 - 112
2-Hexanone	20.0	19.3		ug/L		96	55 - 133
Methylene Chloride	10.0	8.29		ug/L		83	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	19.5		ug/L		97	63 - 128
Styrene	10.0	8.70		ug/L		87	79 - 114
1,1,2,2-Tetrachloroethane	10.0	8.98		ug/L		90	68 - 118
Tetrachloroethene	10.0	10.1		ug/L		101	79 - 114
Toluene	10.0	9.00		ug/L		90	84 - 111
trans-1,2-Dichloroethene	10.0	8.96		ug/L		90	83 - 117
trans-1,3-Dichloropropene	10.0	9.05		ug/L		91	58 - 117
1,1,1-Trichloroethane	10.0	9.10		ug/L		91	74 - 118
1,1,2-Trichloroethane	10.0	9.73		ug/L		97	80 - 112
Trichloroethene	10.0	10.1		ug/L		101	76 - 117
Vinyl chloride	10.0	9.62		ug/L		96	53 - 127
Xylenes, Total	30.0	29.2		ug/L		97	83 - 112
Methyl tert-butyl ether	10.0	8.90		ug/L		89	52 - 144
n-Hexane	10.0	10.8		ug/L		108	66 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*66 - 117*
Dibromofluoromethane (Surr)	*85*		*75 - 121*
1,2-Dichloroethane-d4 (Surr)	*87*		*63 - 129*
Toluene-d8 (Surr)	*87*		*74 - 115*

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

Lab Sample ID: MB 240-74585/17-A
Matrix: Water
Analysis Batch: 74879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74585

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		02/07/13 09:30	02/11/13 12:26	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Anthracene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Bis(2-ethylhexyl) phthalate	1.09	J	2.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
Butyl benzyl phthalate	ND		1.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
4-Chloroaniline	ND		2.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
2-Chlorophenol	ND		1.0	0.29	ug/L		02/07/13 09:30	02/11/13 12:26	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		02/07/13 09:30	02/11/13 12:26	1
Chrysene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Acenaphthene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Acenaphthylene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Dibenzofuran	ND		1.0	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
1,2-Dichlorobenzene	ND		1.0	0.29	ug/L		02/07/13 09:30	02/11/13 12:26	1
1,3-Dichlorobenzene	ND		1.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
1,4-Dichlorobenzene	ND		1.0	0.34	ug/L		02/07/13 09:30	02/11/13 12:26	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		02/07/13 09:30	02/11/13 12:26	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
Diethyl phthalate	ND		1.0	0.60	ug/L		02/07/13 09:30	02/11/13 12:26	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
Dimethyl phthalate	ND		1.0	0.29	ug/L		02/07/13 09:30	02/11/13 12:26	1
Di-n-butyl phthalate	ND		1.0	0.67	ug/L		02/07/13 09:30	02/11/13 12:26	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		02/07/13 09:30	02/11/13 12:26	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		02/07/13 09:30	02/11/13 12:26	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		02/07/13 09:30	02/11/13 12:26	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
Di-n-octyl phthalate	ND		1.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
Fluoranthene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Fluorene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		02/07/13 09:30	02/11/13 12:26	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
Hexachloroethane	ND		1.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Isophorone	ND		1.0	0.27	ug/L		02/07/13 09:30	02/11/13 12:26	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
2-Methylphenol	ND		1.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		02/07/13 09:30	02/11/13 12:26	1
Naphthalene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
2-Nitroaniline	ND		2.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1

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

Lab Sample ID: MB 240-74585/17-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 74879 — **Prep Batch: 74585**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		2.0	0.28	ug/L		02/07/13 09:30	02/11/13 12:26	1
4-Nitroaniline	ND		2.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
Nitrobenzene	ND		1.0	0.040	ug/L		02/07/13 09:30	02/11/13 12:26	1
2-Nitrophenol	ND		2.0	0.28	ug/L		02/07/13 09:30	02/11/13 12:26	1
4-Nitrophenol	ND		5.0	2.4	ug/L		02/07/13 09:30	02/11/13 12:26	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		02/07/13 09:30	02/11/13 12:26	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		02/07/13 09:30	02/11/13 12:26	1
Pentachlorophenol	ND		5.0	2.4	ug/L		02/07/13 09:30	02/11/13 12:26	1
Phenanthrene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
Phenol	ND		1.0	0.60	ug/L		02/07/13 09:30	02/11/13 12:26	1
Pyrene	ND		0.20	0.10	ug/L		02/07/13 09:30	02/11/13 12:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.28	ug/L		02/07/13 09:30	02/11/13 12:26	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		02/07/13 09:30	02/11/13 12:26	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		02/07/13 09:30	02/11/13 12:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*20 - 110*	*02/07/13 09:30*	*02/11/13 12:26*	*1*
2-Fluorophenol (Surr)	*77*		*10 - 110*	*02/07/13 09:30*	*02/11/13 12:26*	*1*
Nitrobenzene-d5 (Surr)	*68*		*21 - 110*	*02/07/13 09:30*	*02/11/13 12:26*	*1*
Phenol-d5 (Surr)	*81*		*21 - 110*	*02/07/13 09:30*	*02/11/13 12:26*	*1*
Terphenyl-d14 (Surr)	*75*		*24 - 110*	*02/07/13 09:30*	*02/11/13 12:26*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*21 - 110*	*02/07/13 09:30*	*02/11/13 12:26*	*1*

Lab Sample ID: LCS 240-74585/18-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 74879 — **Prep Batch: 74585**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	20.0	16.7		ug/L		83	52 - 110
Benzo[a]pyrene	20.0	13.1		ug/L		66	44 - 110
Benzo[b]fluoranthene	20.0	16.4		ug/L		82	48 - 110
Benzo[g,h,i]perylene	20.0	16.7		ug/L		83	50 - 110
Benzo[k]fluoranthene	20.0	16.4		ug/L		82	49 - 110
Bis(2-chloroethoxy)methane	20.0	14.0		ug/L		70	43 - 110
Bis(2-chloroethyl)ether	20.0	14.0		ug/L		70	40 - 110
Anthracene	20.0	17.5		ug/L		88	52 - 110
Bis(2-ethylhexyl) phthalate	20.0	15.9		ug/L		80	39 - 116
4-Bromophenyl phenyl ether	20.0	14.8		ug/L		74	45 - 110
Butyl benzyl phthalate	20.0	16.7		ug/L		83	55 - 110
4-Chloroaniline	20.0	16.5		ug/L		82	44 - 110
4-Chloro-3-methylphenol	20.0	19.1		ug/L		96	52 - 110
2-Chloronaphthalene	20.0	14.3		ug/L		72	43 - 110
2-Chlorophenol	20.0	17.7		ug/L		89	29 - 110
4-Chlorophenyl phenyl ether	20.0	15.3		ug/L		76	47 - 110
Chrysene	20.0	17.4		ug/L		87	55 - 110
Acenaphthene	20.0	17.6		ug/L		88	47 - 110
Dibenz(a,h)anthracene	20.0	15.8		ug/L		79	49 - 110

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

Lab Sample ID: LCS 240-74585/18-A
Matrix: Water
Analysis Batch: 74879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74585

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	20.0	18.6		ug/L		93	49 - 110
Dibenzofuran	20.0	18.8		ug/L		94	51 - 110
1,2-Dichlorobenzene	20.0	12.9		ug/L		65	38 - 110
1,3-Dichlorobenzene	20.0	12.6		ug/L		63	35 - 110
1,4-Dichlorobenzene	20.0	15.1		ug/L		76	39 - 110
3,3'-Dichlorobenzidine	20.0	9.22		ug/L		46	22 - 110
2,4-Dichlorophenol	20.0	19.4		ug/L		97	41 - 110
Diethyl phthalate	20.0	18.9		ug/L		95	58 - 110
2,4-Dimethylphenol	20.0	12.1		ug/L		61	32 - 110
Dimethyl phthalate	20.0	19.1		ug/L		95	57 - 110
Di-n-butyl phthalate	20.0	18.8		ug/L		94	57 - 110
4,6-Dinitro-2-methylphenol	20.0	16.6		ug/L		83	31 - 110
2,4-Dinitrophenol	20.0	16.0		ug/L		80	10 - 110
2,4-Dinitrotoluene	20.0	15.6		ug/L		78	53 - 110
2,6-Dinitrotoluene	20.0	16.1		ug/L		80	54 - 110
Di-n-octyl phthalate	20.0	15.0		ug/L		75	40 - 110
Fluoranthene	20.0	18.7		ug/L		93	54 - 110
Fluorene	20.0	18.9		ug/L		94	52 - 110
Hexachlorobenzene	20.0	14.7		ug/L		73	50 - 110
Hexachlorobutadiene	20.0	12.7		ug/L		64	33 - 110
Hexachlorocyclopentadiene	20.0	1.76	J *	ug/L		9	10 - 110
Hexachloroethane	20.0	12.1		ug/L		60	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	14.8		ug/L		74	50 - 110
Isophorone	20.0	17.1		ug/L		85	49 - 110
2-Methylnaphthalene	20.0	18.2		ug/L		91	45 - 110
2-Methylphenol	20.0	17.3		ug/L		86	42 - 110
3 & 4 Methylphenol	40.0	34.8		ug/L		87	44 - 110
Naphthalene	20.0	17.3		ug/L		86	44 - 110
2-Nitroaniline	20.0	17.9		ug/L		90	54 - 110
3-Nitroaniline	20.0	17.8		ug/L		89	53 - 110
4-Nitroaniline	20.0	20.0		ug/L		100	54 - 110
Nitrobenzene	20.0	14.3		ug/L		71	42 - 110
2-Nitrophenol	20.0	17.7		ug/L		88	40 - 110
4-Nitrophenol	20.0	18.7		ug/L		94	33 - 112
N-Nitrosodi-n-propylamine	20.0	16.7		ug/L		83	47 - 110
N-Nitrosodiphenylamine	20.0	17.2		ug/L		86	50 - 110
2,2'-oxybis[1-chloropropane]	20.0	13.4		ug/L		67	37 - 110
Pentachlorophenol	20.0	15.1		ug/L		76	18 - 110
Phenanthrene	20.0	17.4		ug/L		87	53 - 110
Phenol	20.0	17.6		ug/L		88	33 - 110
Pyrene	20.0	17.0		ug/L		85	52 - 110
1,2,4-Trichlorobenzene	20.0	13.1		ug/L		65	35 - 110
2,4,5-Trichlorophenol	20.0	20.2		ug/L		101	48 - 110
2,4,6-Trichlorophenol	20.0	21.0		ug/L		105	45 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*74*		*20 - 110*
2-Fluorophenol (Surr)	*84*		*10 - 110*

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

Lab Sample ID: LCS 240-74585/18-A
Matrix: Water
Analysis Batch: 74879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74585

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*72*		*21 - 110*
Phenol-d5 (Surr)	*88*		*21 - 110*
Terphenyl-d14 (Surr)	*75*		*24 - 110*
2,4,6-Tribromophenol (Surr)	*89*		*21 - 110*

Lab Sample ID: MB 240-75218/14-A
Matrix: Solid
Analysis Batch: 75449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 75218

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Benzo[a]pyrene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Benzo[b]fluoranthene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Benzo[g,h,i]perylene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Benzo[k]fluoranthene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Anthracene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Chrysene	ND		6.7	1.1	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Acenaphthene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Dibenz(a,h)anthracene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Acenaphthylene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Fluoranthene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Fluorene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Indeno[1,2,3-cd]pyrene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Naphthalene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Phenanthrene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1
Pyrene	ND		6.7	3.3	ug/Kg		02/13/13 12:15	02/15/13 12:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*24 - 110*	*02/13/13 12:15*	*02/15/13 12:56*	*1*
2-Fluorophenol (Surr)	*82*		*24 - 110*	*02/13/13 12:15*	*02/15/13 12:56*	*1*
Nitrobenzene-d5 (Surr)	*65*		*20 - 110*	*02/13/13 12:15*	*02/15/13 12:56*	*1*
Phenol-d5 (Surr)	*83*		*26 - 110*	*02/13/13 12:15*	*02/15/13 12:56*	*1*
Terphenyl-d14 (Surr)	*83*		*36 - 110*	*02/13/13 12:15*	*02/15/13 12:56*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*10 - 110*	*02/13/13 12:15*	*02/15/13 12:56*	*1*

Lab Sample ID: LCS 240-75218/15-A
Matrix: Solid
Analysis Batch: 75449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75218

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	667	583		ug/Kg		87	50 - 110
Benzo[a]pyrene	667	530		ug/Kg		80	44 - 110
Benzo[b]fluoranthene	667	619		ug/Kg		93	43 - 110
Benzo[g,h,i]perylene	667	605		ug/Kg		91	51 - 110
Benzo[k]fluoranthene	667	586		ug/Kg		88	38 - 105
Anthracene	667	564		ug/Kg		85	48 - 110
Chrysene	667	599		ug/Kg		90	50 - 110
Acenaphthene	667	513		ug/Kg		77	38 - 110

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

Lab Sample ID: LCS 240-75218/15-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75449 — **Prep Batch: 75218**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	667	571		ug/Kg		86	51 - 110
Acenaphthylene	667	561		ug/Kg		84	40 - 110
Fluoranthene	667	596		ug/Kg		89	51 - 110
Fluorene	667	542		ug/Kg		81	46 - 110
Indeno[1,2,3-cd]pyrene	667	564		ug/Kg		85	50 - 110
Naphthalene	667	523		ug/Kg		78	36 - 110
Phenanthrene	667	540		ug/Kg		81	49 - 110
Pyrene	667	599		ug/Kg		90	49 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*64*		*24 - 110*
2-Fluorophenol (Surr)	*81*		*24 - 110*
Nitrobenzene-d5 (Surr)	*64*		*20 - 110*
Phenol-d5 (Surr)	*81*		*26 - 110*
Terphenyl-d14 (Surr)	*78*		*36 - 110*
2,4,6-Tribromophenol (Surr)	*75*		*10 - 110*

Lab Sample ID: MB 240-75369/21-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75449 — **Prep Batch: 75369**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Benzo[a]pyrene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Benzo[b]fluoranthene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Benzo[g,h,i]perylene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Benzo[k]fluoranthene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Anthracene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Chrysene	ND		6.7	1.1	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Acenaphthene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Dibenz(a,h)anthracene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Acenaphthylene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Fluoranthene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Fluorene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Indeno[1,2,3-cd]pyrene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Naphthalene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Phenanthrene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1
Pyrene	ND		6.7	3.3	ug/Kg		02/14/13 13:50	02/15/13 12:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*		*24 - 110*	*02/14/13 13:50*	*02/15/13 12:10*	*1*
2-Fluorophenol (Surr)	*66*		*24 - 110*	*02/14/13 13:50*	*02/15/13 12:10*	*1*
Nitrobenzene-d5 (Surr)	*53*		*20 - 110*	*02/14/13 13:50*	*02/15/13 12:10*	*1*
Phenol-d5 (Surr)	*68*		*26 - 110*	*02/14/13 13:50*	*02/15/13 12:10*	*1*
Terphenyl-d14 (Surr)	*68*		*36 - 110*	*02/14/13 13:50*	*02/15/13 12:10*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*10 - 110*	*02/14/13 13:50*	*02/15/13 12:10*	*1*

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

Lab Sample ID: LCS 240-75369/22-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75449 — **Prep Batch: 75369**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	667	572		ug/Kg		86	50 - 110
Benzo[a]pyrene	667	525		ug/Kg		79	44 - 110
Benzo[b]fluoranthene	667	611		ug/Kg		92	43 - 110
Benzo[g,h,i]perylene	667	601		ug/Kg		90	51 - 110
Benzo[k]fluoranthene	667	581		ug/Kg		87	38 - 105
Anthracene	667	564		ug/Kg		85	48 - 110
Chrysene	667	574		ug/Kg		86	50 - 110
Acenaphthene	667	513		ug/Kg		77	38 - 110
Dibenz(a,h)anthracene	667	570		ug/Kg		86	51 - 110
Acenaphthylene	667	556		ug/Kg		83	40 - 110
Fluoranthene	667	581		ug/Kg		87	51 - 110
Fluorene	667	540		ug/Kg		81	46 - 110
Indeno[1,2,3-cd]pyrene	667	558		ug/Kg		84	50 - 110
Naphthalene	667	493		ug/Kg		74	36 - 110
Phenanthrene	667	541		ug/Kg		81	49 - 110
Pyrene	667	583		ug/Kg		87	49 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*62*		*24 - 110*
2-Fluorophenol (Surr)	*77*		*24 - 110*
Nitrobenzene-d5 (Surr)	*61*		*20 - 110*
Phenol-d5 (Surr)	*78*		*26 - 110*
Terphenyl-d14 (Surr)	*75*		*36 - 110*
2,4,6-Tribromophenol (Surr)	*74*		*10 - 110*

Lab Sample ID: 240-20715-4 MS — **Client Sample ID: IA06-SS02/0.0-2.0**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75449 — **Prep Batch: 75369**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	ND		947	ND		ug/Kg	☼	NC	10 - 122
Benzo[a]pyrene	ND		947	ND		ug/Kg	☼	NC	10 - 110
Benzo[b]fluoranthene	ND		947	ND		ug/Kg	☼	NC	12 - 118
Benzo[g,h,i]perylene	ND		947	ND		ug/Kg	☼	NC	10 - 117
Benzo[k]fluoranthene	ND		947	ND		ug/Kg	☼	NC	10 - 121
Anthracene	ND		947	ND		ug/Kg	☼	NC	20 - 110
Chrysene	ND		947	ND	F	ug/Kg	☼	0	10 - 125
Dibenz(a,h)anthracene	ND		947	ND		ug/Kg	☼	NC	14 - 113
Fluoranthene	ND		947	ND		ug/Kg	☼	NC	10 - 110
Fluorene	ND		947	ND		ug/Kg	☼	NC	23 - 110
Indeno[1,2,3-cd]pyrene	ND		947	ND		ug/Kg	☼	NC	10 - 114
Phenanthrene	ND		947	1440	J	ug/Kg	☼	NC	10 - 166
Pyrene	1600	J	947	1490	J F	ug/Kg	☼	-14	10 - 147
Acenaphthene	ND		947	ND		ug/Kg	☼	NC	22 - 110
Acenaphthylene	ND		947	ND		ug/Kg	☼	NC	24 - 110
Naphthalene	ND		947	ND		ug/Kg	☼	NC	10 - 111

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

Lab Sample ID: 240-20715-4 MS
Matrix: Solid
Analysis Batch: 75449

Client Sample ID: IA06-SS02/0.0-2.0
Prep Type: Total/NA
Prep Batch: 75369

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	0	X	24 - 110
2-Fluorophenol (Surr)	0	X	24 - 110
2,4,6-Tribromophenol (Surr)	0	X	10 - 110
Nitrobenzene-d5 (Surr)	0	X	20 - 110
Phenol-d5 (Surr)	0	X	26 - 110
Terphenyl-d14 (Surr)	0	X	36 - 110

Lab Sample ID: 240-20715-4 MSD
Matrix: Solid
Analysis Batch: 75449

Client Sample ID: IA06-SS02/0.0-2.0
Prep Type: Total/NA
Prep Batch: 75369

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	ND		944	1110	J	ug/Kg	☼	118	10 - 122	NC	99
Benzo[a]pyrene	ND		944	ND	F	ug/Kg	☼	0	10 - 110	NC	99
Benzo[b]fluoranthene	ND		944	ND	F	ug/Kg	☼	0	12 - 118	NC	99
Benzo[g,h,i]perylene	ND		944	ND	F	ug/Kg	☼	0	10 - 117	NC	99
Benzo[k]fluoranthene	ND		944	ND	F	ug/Kg	☼	0	10 - 121	NC	99
Anthracene	ND		944	ND	F	ug/Kg	☼	0	20 - 110	NC	99
Chrysene	ND		944	1590	J F	ug/Kg	☼	169	10 - 125	NC	99
Dibenz(a,h)anthracene	ND		944	ND	F	ug/Kg	☼	0	14 - 113	NC	99
Fluoranthene	ND		944	1130	J F	ug/Kg	☼	119	10 - 110	NC	99
Fluorene	ND		944	880	J	ug/Kg	☼	93	23 - 110	NC	99
Indeno[1,2,3-cd]pyrene	ND		944	ND	F	ug/Kg	☼	0	10 - 114	NC	99
Phenanthrene	ND		944	1350	J	ug/Kg	☼	143	10 - 166	7	99
Pyrene	1600	J	944	1700	F	ug/Kg	☼	8	10 - 147	13	99
Acenaphthene	ND		944	ND	F	ug/Kg	☼	0	22 - 110	NC	99
Acenaphthylene	ND		944	ND	F	ug/Kg	☼	0	24 - 110	NC	99
Naphthalene	ND		944	ND	F	ug/Kg	☼	0	10 - 111	NC	99

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	0	X	24 - 110
2-Fluorophenol (Surr)	0	X	24 - 110
2,4,6-Tribromophenol (Surr)	0	X	10 - 110
Nitrobenzene-d5 (Surr)	0	X	20 - 110
Phenol-d5 (Surr)	0	X	26 - 110
Terphenyl-d14 (Surr)	0	X	36 - 110

Lab Sample ID: 240-20715-15 MS
Matrix: Solid
Analysis Batch: 75449

Client Sample ID: IA06-SS07/0.0-1.8
Prep Type: Total/NA
Prep Batch: 75369

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	ND		842	688		ug/Kg	☼	82	10 - 122
Benzo[a]pyrene	ND		842	1610	F	ug/Kg	☼	192	10 - 110
Benzo[b]fluoranthene	ND		842	1140	F	ug/Kg	☼	135	12 - 118
Benzo[g,h,i]perylene	ND		842	703		ug/Kg	☼	83	10 - 117
Benzo[k]fluoranthene	ND		842	664		ug/Kg	☼	79	10 - 121
Anthracene	ND		842	568		ug/Kg	☼	67	20 - 110

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

Lab Sample ID: 240-20715-15 MS — **Client Sample ID: IA06-SS07/0.0-1.8**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75449 — **Prep Batch: 75369**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	ND		842	664		ug/Kg	☼	79	10 - 125
Dibenz(a,h)anthracene	ND		842	1730	F	ug/Kg	☼	206	14 - 113
Fluoranthene	ND		842	600		ug/Kg	☼	71	10 - 110
Fluorene	ND		842	600		ug/Kg	☼	71	23 - 110
Indeno[1,2,3-cd]pyrene	ND		842	1580	F	ug/Kg	☼	188	10 - 114
Phenanthrene	240	J	842	652		ug/Kg	☼	49	10 - 166
Pyrene	220	J	842	708		ug/Kg	☼	58	10 - 147
Acenaphthene	ND		842	549		ug/Kg	☼	65	22 - 110
Acenaphthylene	ND		842	575		ug/Kg	☼	68	24 - 110
Naphthalene	ND		842	557		ug/Kg	☼	66	10 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*56*		*24 - 110*
2-Fluorophenol (Surr)	*68*		*24 - 110*
2,4,6-Tribromophenol (Surr)	*162*	*X*	*10 - 110*
Nitrobenzene-d5 (Surr)	*51*		*20 - 110*
Phenol-d5 (Surr)	*73*		*26 - 110*
Terphenyl-d14 (Surr)	*65*		*36 - 110*

Lab Sample ID: 240-20715-15 MSD — **Client Sample ID: IA06-SS07/0.0-1.8**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75449 — **Prep Batch: 75369**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	ND		857	738		ug/Kg	☼	86	10 - 122	7	99
Benzo[a]pyrene	ND		857	1650	F	ug/Kg	☼	192	10 - 110	2	99
Benzo[b]fluoranthene	ND		857	1180	F	ug/Kg	☼	138	12 - 118	4	99
Benzo[g,h,i]perylene	ND		857	705		ug/Kg	☼	82	10 - 117	0	99
Benzo[k]fluoranthene	ND		857	562		ug/Kg	☼	66	10 - 121	17	99
Anthracene	ND		857	577		ug/Kg	☼	67	20 - 110	2	99
Chrysene	ND		857	684		ug/Kg	☼	80	10 - 125	3	99
Dibenz(a,h)anthracene	ND		857	1670	F	ug/Kg	☼	194	14 - 113	4	99
Fluoranthene	ND		857	635		ug/Kg	☼	74	10 - 110	6	99
Fluorene	ND		857	579		ug/Kg	☼	68	23 - 110	4	99
Indeno[1,2,3-cd]pyrene	ND		857	1540	F	ug/Kg	☼	180	10 - 114	3	99
Phenanthrene	240	J	857	639		ug/Kg	☼	47	10 - 166	2	99
Pyrene	220	J	857	769		ug/Kg	☼	64	10 - 147	8	99
Acenaphthene	ND		857	593		ug/Kg	☼	69	22 - 110	8	99
Acenaphthylene	ND		857	585		ug/Kg	☼	68	24 - 110	2	99
Naphthalene	ND		857	601		ug/Kg	☼	70	10 - 111	8	99

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*53*		*24 - 110*
2-Fluorophenol (Surr)	*50*		*24 - 110*
2,4,6-Tribromophenol (Surr)	*171*	*X*	*10 - 110*
Nitrobenzene-d5 (Surr)	*54*		*20 - 110*
Phenol-d5 (Surr)	*67*		*26 - 110*

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

Lab Sample ID: 240-20715-15 MSD — **Client Sample ID: IA06-SS07/0.0-1.8**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75449 — **Prep Batch: 75369**

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14 (Surr)	*69*		*36 - 110*

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

Lab Sample ID: MB 240-74594/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74907 — **Prep Batch: 74594**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		17	9.3	mg/Kg		02/07/13 10:08	02/12/13 13:44	1
Oil Range Organics (C20-C34)	ND		17	9.3	mg/Kg		02/07/13 10:08	02/12/13 13:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*49*		*10 - 110*	*02/07/13 10:08*	*02/12/13 13:44*	*1*

Lab Sample ID: LCS 240-74594/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74907 — **Prep Batch: 74594**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel	83.3	63.2		mg/Kg		76	47 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Nonane	*49*		*10 - 110*

Lab Sample ID: 240-20715-4 MS — **Client Sample ID: IA06-SS02/0.0-2.0**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74907 — **Prep Batch: 74594**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel	46000		3580	55700	4	mg/Kg	☼	259	10 - 199

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Nonane	*50*		*10 - 110*

Lab Sample ID: 240-20715-4 MSD — **Client Sample ID: IA06-SS02/0.0-2.0**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74907 — **Prep Batch: 74594**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel	46000		3510	47800	4	mg/Kg	☼	39	10 - 199	15	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Nonane	*53*		*10 - 110*

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

Lab Sample ID: MB 240-74749/23-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75184 — **Prep Batch: 74749**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		17	9.3	mg/Kg		02/08/13 11:11	02/13/13 13:24	1
Oil Range Organics (C20-C34)	ND		17	9.3	mg/Kg		02/08/13 11:11	02/13/13 13:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*42*		*10 - 110*	*02/08/13 11:11*	*02/13/13 13:24*	*1*

Lab Sample ID: LCS 240-74749/22-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75184 — **Prep Batch: 74749**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel	83.3	63.0		mg/Kg		76	47 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Nonane	*53*		*10 - 110*

Lab Sample ID: 240-20715-15 MS — **Client Sample ID: IA06-SS07/0.0-1.8**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74943 — **Prep Batch: 74749**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel	5800		104	3700	4	mg/Kg	☼	-2054	10 - 199

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Nonane	*62*		*10 - 110*

Lab Sample ID: 240-20715-15 MSD — **Client Sample ID: IA06-SS07/0.0-1.8**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74943 — **Prep Batch: 74749**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel	5800		105	7550	4 F	mg/Kg	☼	1627	10 - 199	68	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Nonane	*61*		*10 - 110*

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

Lab Sample ID: MB 240-74588/13-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 74774 — **Prep Batch: 74588**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		0.50	0.17	ug/L		02/07/13 09:40	02/08/13 17:36	1
Aroclor 1221	ND		0.50	0.13	ug/L		02/07/13 09:40	02/08/13 17:36	1
Aroclor 1232	ND		0.50	0.16	ug/L		02/07/13 09:40	02/08/13 17:36	1
Aroclor 1242	ND		0.50	0.22	ug/L		02/07/13 09:40	02/08/13 17:36	1

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

Lab Sample ID: MB 240-74588/13-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 74774 — **Prep Batch: 74588**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1248	ND		0.50	0.10	ug/L		02/07/13 09:40	02/08/13 17:36	1
Aroclor 1254	ND		0.50	0.16	ug/L		02/07/13 09:40	02/08/13 17:36	1
Aroclor 1260	ND		0.50	0.17	ug/L		02/07/13 09:40	02/08/13 17:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*23 - 136*	*02/07/13 09:40*	*02/08/13 17:36*	*1*
DCB Decachlorobiphenyl	*76*		*10 - 130*	*02/07/13 09:40*	*02/08/13 17:36*	*1*

Lab Sample ID: LCS 240-74588/14-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 74774 — **Prep Batch: 74588**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	5.00	4.01		ug/L		80	66 - 120
Aroclor 1260	5.00	4.32		ug/L		86	55 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*79*		*23 - 136*
DCB Decachlorobiphenyl	*76*		*10 - 130*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-74547/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 74833 — **Prep Batch: 74547**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		200	0.67	ug/L		02/07/13 07:05	02/08/13 18:36	1
Cadmium	ND		2.0	0.66	ug/L		02/07/13 07:05	02/08/13 18:36	1
Chromium	ND		5.0	2.2	ug/L		02/07/13 07:05	02/08/13 18:36	1
Silver	ND		5.0	2.2	ug/L		02/07/13 07:05	02/08/13 18:36	1
Arsenic	ND		10	3.2	ug/L		02/07/13 07:05	02/08/13 18:36	1
Lead	ND		3.0	1.9	ug/L		02/07/13 07:05	02/08/13 18:36	1
Selenium	ND		5.0	4.1	ug/L		02/07/13 07:05	02/08/13 18:36	1

Lab Sample ID: LCS 240-74547/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 74833 — **Prep Batch: 74547**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	2000	1970		ug/L		98	80 - 120
Cadmium	50.0	48.7		ug/L		97	80 - 120
Chromium	200	190		ug/L		95	80 - 120
Silver	50.0	46.1		ug/L		92	80 - 120
Arsenic	2000	2000		ug/L		100	80 - 120
Lead	500	490		ug/L		98	80 - 120
Selenium	2000	1960		ug/L		98	80 - 120

QC Sample Results

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

TestAmerica Job ID: 240-20715-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-74567/1-A
Matrix: Water
Analysis Batch: 74887

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74567

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		02/07/13 14:40	02/08/13 15:31	1

Lab Sample ID: LCS 240-74567/2-A
Matrix: Water
Analysis Batch: 74887

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74567

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.24		ug/L		105	81 - 123

QC Association Summary

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

TestAmerica Job ID: 240-20715-1

GC/MS VOA

Analysis Batch: 74893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-1	MW-09	Total/NA	Water	8260B	
240-20715-2	MW-10	Total/NA	Water	8260B	
240-20715-3	TB-06	Total/NA	Water	8260B	
LCS 240-74893/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-74893/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 74585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-1	MW-09	Total/NA	Water	3520C	
240-20715-2	MW-10	Total/NA	Water	3520C	
LCS 240-74585/18-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-74585/17-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 74879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-74585/18-A	Lab Control Sample	Total/NA	Water	8270C	74585
MB 240-74585/17-A	Method Blank	Total/NA	Water	8270C	74585

Analysis Batch: 74990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-1	MW-09	Total/NA	Water	8270C	74585
240-20715-2	MW-10	Total/NA	Water	8270C	74585

Prep Batch: 75218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-11	IA06-SS05/0.0-1.8	Total/NA	Solid	3540C	
LCS 240-75218/15-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-75218/14-A	Method Blank	Total/NA	Solid	3540C	

Prep Batch: 75369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-4	IA06-SS02/0.0-2.0	Total/NA	Solid	3540C	
240-20715-4 MS	IA06-SS02/0.0-2.0	Total/NA	Solid	3540C	
240-20715-4 MSD	IA06-SS02/0.0-2.0	Total/NA	Solid	3540C	
240-20715-5	IA06-SS02/2.0-2.1	Total/NA	Solid	3540C	
240-20715-6	IA06-SS03/0.0-1.0	Total/NA	Solid	3540C	
240-20715-7	DUP-04	Total/NA	Solid	3540C	
240-20715-8	IA06-SS03/1.5-2.0	Total/NA	Solid	3540C	
240-20715-9	IA06-SS04/0.0-1.8	Total/NA	Solid	3540C	
240-20715-10	IA06-SS04/1.8-2.0	Total/NA	Solid	3540C	
240-20715-12	IA06-SS05/1.8-2.0	Total/NA	Solid	3540C	
240-20715-13	IA06-SS06/0.0-1.8	Total/NA	Solid	3540C	
240-20715-14	IA06-SS06/1.8-2.0	Total/NA	Solid	3540C	
240-20715-15	IA06-SS07/0.0-1.8	Total/NA	Solid	3540C	
240-20715-15 MS	IA06-SS07/0.0-1.8	Total/NA	Solid	3540C	
240-20715-15 MSD	IA06-SS07/0.0-1.8	Total/NA	Solid	3540C	
240-20715-16	IA06-SS07/1.8-2.0	Total/NA	Solid	3540C	
240-20715-17	DUP-05	Total/NA	Solid	3540C	

GC/MS Semi VOA (Continued)

Prep Batch: 75369 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-75369/22-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-75369/21-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 75449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-4	IA06-SS02/0.0-2.0	Total/NA	Solid	8270C	75369
240-20715-4 MS	IA06-SS02/0.0-2.0	Total/NA	Solid	8270C	75369
240-20715-4 MSD	IA06-SS02/0.0-2.0	Total/NA	Solid	8270C	75369
240-20715-5	IA06-SS02/2.0-2.1	Total/NA	Solid	8270C	75369
240-20715-6	IA06-SS03/0.0-1.0	Total/NA	Solid	8270C	75369
240-20715-7	DUP-04	Total/NA	Solid	8270C	75369
240-20715-8	IA06-SS03/1.5-2.0	Total/NA	Solid	8270C	75369
240-20715-9	IA06-SS04/0.0-1.8	Total/NA	Solid	8270C	75369
240-20715-10	IA06-SS04/1.8-2.0	Total/NA	Solid	8270C	75369
240-20715-11	IA06-SS05/0.0-1.8	Total/NA	Solid	8270C	75218
240-20715-12	IA06-SS05/1.8-2.0	Total/NA	Solid	8270C	75369
240-20715-14	IA06-SS06/1.8-2.0	Total/NA	Solid	8270C	75369
240-20715-15	IA06-SS07/0.0-1.8	Total/NA	Solid	8270C	75369
240-20715-15 MS	IA06-SS07/0.0-1.8	Total/NA	Solid	8270C	75369
240-20715-15 MSD	IA06-SS07/0.0-1.8	Total/NA	Solid	8270C	75369
240-20715-16	IA06-SS07/1.8-2.0	Total/NA	Solid	8270C	75369
240-20715-17	DUP-05	Total/NA	Solid	8270C	75369
LCS 240-75218/15-A	Lab Control Sample	Total/NA	Solid	8270C	75218
LCS 240-75369/22-A	Lab Control Sample	Total/NA	Solid	8270C	75369
MB 240-75218/14-A	Method Blank	Total/NA	Solid	8270C	75218
MB 240-75369/21-A	Method Blank	Total/NA	Solid	8270C	75369

Analysis Batch: 75601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-13	IA06-SS06/0.0-1.8	Total/NA	Solid	8270C	75369

GC Semi VOA

Prep Batch: 74588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-1	MW-09	Total/NA	Water	3520C	
240-20715-2	MW-10	Total/NA	Water	3520C	
LCS 240-74588/14-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-74588/13-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 74594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-4	IA06-SS02/0.0-2.0	Total/NA	Solid	3540C	
240-20715-4 MS	IA06-SS02/0.0-2.0	Total/NA	Solid	3540C	
240-20715-4 MSD	IA06-SS02/0.0-2.0	Total/NA	Solid	3540C	
LCS 240-74594/23-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-74594/22-A	Method Blank	Total/NA	Solid	3540C	

GC Semi VOA (Continued)

Prep Batch: 74749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-5	IA06-SS02/2.0-2.1	Total/NA	Solid	3540C	
240-20715-6	IA06-SS03/0.0-1.0	Total/NA	Solid	3540C	
240-20715-7	DUP-04	Total/NA	Solid	3540C	
240-20715-8	IA06-SS03/1.5-2.0	Total/NA	Solid	3540C	
240-20715-9	IA06-SS04/0.0-1.8	Total/NA	Solid	3540C	
240-20715-10	IA06-SS04/1.8-2.0	Total/NA	Solid	3540C	
240-20715-11	IA06-SS05/0.0-1.8	Total/NA	Solid	3540C	
240-20715-12	IA06-SS05/1.8-2.0	Total/NA	Solid	3540C	
240-20715-13	IA06-SS06/0.0-1.8	Total/NA	Solid	3540C	
240-20715-14	IA06-SS06/1.8-2.0	Total/NA	Solid	3540C	
240-20715-15	IA06-SS07/0.0-1.8	Total/NA	Solid	3540C	
240-20715-15 MS	IA06-SS07/0.0-1.8	Total/NA	Solid	3540C	
240-20715-15 MSD	IA06-SS07/0.0-1.8	Total/NA	Solid	3540C	
240-20715-16	IA06-SS07/1.8-2.0	Total/NA	Solid	3540C	
240-20715-17	DUP-05	Total/NA	Solid	3540C	
LCS 240-74749/22-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-74749/23-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 74774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-1	MW-09	Total/NA	Water	8082	74588
240-20715-2	MW-10	Total/NA	Water	8082	74588
LCS 240-74588/14-A	Lab Control Sample	Total/NA	Water	8082	74588
MB 240-74588/13-A	Method Blank	Total/NA	Water	8082	74588

Analysis Batch: 74907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-4	IA06-SS02/0.0-2.0	Total/NA	Solid	8015B	74594
240-20715-4 MS	IA06-SS02/0.0-2.0	Total/NA	Solid	8015B	74594
240-20715-4 MSD	IA06-SS02/0.0-2.0	Total/NA	Solid	8015B	74594
LCS 240-74594/23-A	Lab Control Sample	Total/NA	Solid	8015B	74594
MB 240-74594/22-A	Method Blank	Total/NA	Solid	8015B	74594

Analysis Batch: 74943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-13	IA06-SS06/0.0-1.8	Total/NA	Solid	8015B	74749
240-20715-15	IA06-SS07/0.0-1.8	Total/NA	Solid	8015B	74749
240-20715-15 MS	IA06-SS07/0.0-1.8	Total/NA	Solid	8015B	74749
240-20715-15 MSD	IA06-SS07/0.0-1.8	Total/NA	Solid	8015B	74749
240-20715-16	IA06-SS07/1.8-2.0	Total/NA	Solid	8015B	74749
240-20715-17	DUP-05	Total/NA	Solid	8015B	74749

Analysis Batch: 75184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-5	IA06-SS02/2.0-2.1	Total/NA	Solid	8015B	74749
240-20715-6	IA06-SS03/0.0-1.0	Total/NA	Solid	8015B	74749
240-20715-7	DUP-04	Total/NA	Solid	8015B	74749
240-20715-8	IA06-SS03/1.5-2.0	Total/NA	Solid	8015B	74749
240-20715-9	IA06-SS04/0.0-1.8	Total/NA	Solid	8015B	74749
240-20715-10	IA06-SS04/1.8-2.0	Total/NA	Solid	8015B	74749
240-20715-11	IA06-SS05/0.0-1.8	Total/NA	Solid	8015B	74749

GC Semi VOA (Continued)

Analysis Batch: 75184 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-12	IA06-SS05/1.8-2.0	Total/NA	Solid	8015B	74749
240-20715-14	IA06-SS06/1.8-2.0	Total/NA	Solid	8015B	74749
LCS 240-74749/22-A	Lab Control Sample	Total/NA	Solid	8015B	74749
MB 240-74749/23-A	Method Blank	Total/NA	Solid	8015B	74749

Metals

Prep Batch: 74547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-1	MW-09	Total Recoverable	Water	3005A	
240-20715-2	MW-10	Total Recoverable	Water	3005A	
LCS 240-74547/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-74547/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 74567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-1	MW-09	Total/NA	Water	7470A	
240-20715-2	MW-10	Total/NA	Water	7470A	
LCS 240-74567/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-74567/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 74833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-1	MW-09	Total Recoverable	Water	6010B	74547
240-20715-2	MW-10	Total Recoverable	Water	6010B	74547
LCS 240-74547/2-A	Lab Control Sample	Total Recoverable	Water	6010B	74547
MB 240-74547/1-A	Method Blank	Total Recoverable	Water	6010B	74547

Analysis Batch: 74887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-1	MW-09	Total/NA	Water	7470A	74567
240-20715-2	MW-10	Total/NA	Water	7470A	74567
LCS 240-74567/2-A	Lab Control Sample	Total/NA	Water	7470A	74567
MB 240-74567/1-A	Method Blank	Total/NA	Water	7470A	74567

General Chemistry

Analysis Batch: 74526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-4	IA06-SS02/0.0-2.0	Total/NA	Solid	Moisture	
240-20715-4 DU	IA06-SS02/0.0-2.0	Total/NA	Solid	Moisture	
240-20715-5	IA06-SS02/2.0-2.1	Total/NA	Solid	Moisture	
240-20715-6	IA06-SS03/0.0-1.0	Total/NA	Solid	Moisture	
240-20715-7	DUP-04	Total/NA	Solid	Moisture	
240-20715-8	IA06-SS03/1.5-2.0	Total/NA	Solid	Moisture	
240-20715-9	IA06-SS04/0.0-1.8	Total/NA	Solid	Moisture	
240-20715-10	IA06-SS04/1.8-2.0	Total/NA	Solid	Moisture	
240-20715-11	IA06-SS05/0.0-1.8	Total/NA	Solid	Moisture	
240-20715-12	IA06-SS05/1.8-2.0	Total/NA	Solid	Moisture	
240-20715-13	IA06-SS06/0.0-1.8	Total/NA	Solid	Moisture	

QC Association Summary

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

TestAmerica Job ID: 240-20715-1

General Chemistry (Continued)

Analysis Batch: 74526 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20715-14	IA06-SS06/1.8-2.0	Total/NA	Solid	Moisture	
240-20715-15	IA06-SS07/0.0-1.8	Total/NA	Solid	Moisture	
240-20715-15 DU	IA06-SS07/0.0-1.8	Total/NA	Solid	Moisture	
240-20715-16	IA06-SS07/1.8-2.0	Total/NA	Solid	Moisture	
240-20715-17	DUP-05	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: MW-09

Lab Sample ID: 240-20715-1

Date Collected: 02/05/13 11:55
Date Received: 02/05/13 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	74893	02/11/13 13:43	LW	TAL NC
Total/NA	Prep	3520C			74585	02/07/13 09:30	BM	TAL NC
Total/NA	Analysis	8270C		1	74990	02/12/13 14:11	JG	TAL NC
Total/NA	Prep	3520C			74588	02/07/13 09:40	BM	TAL NC
Total/NA	Analysis	8082		1	74774	02/08/13 19:11	LH	TAL NC
Total Recoverable	Prep	3005A			74547	02/07/13 07:05	LM	TAL NC
Total Recoverable	Analysis	6010B		1	74833	02/08/13 21:12	KC	TAL NC
Total/NA	Prep	7470A			74567	02/07/13 14:40	LM	TAL NC
Total/NA	Analysis	7470A		1	74887	02/08/13 15:57	DH	TAL NC

Client Sample ID: MW-10

Lab Sample ID: 240-20715-2

Date Collected: 02/05/13 13:00
Date Received: 02/05/13 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	74893	02/11/13 14:06	LW	TAL NC
Total/NA	Prep	3520C			74585	02/07/13 09:30	BM	TAL NC
Total/NA	Analysis	8270C		1	74990	02/12/13 14:33	JG	TAL NC
Total/NA	Prep	3520C			74588	02/07/13 09:40	BM	TAL NC
Total/NA	Analysis	8082		1	74774	02/08/13 19:26	LH	TAL NC
Total Recoverable	Prep	3005A			74547	02/07/13 07:05	LM	TAL NC
Total Recoverable	Analysis	6010B		1	74833	02/08/13 21:18	KC	TAL NC
Total/NA	Prep	7470A			74567	02/07/13 14:40	LM	TAL NC
Total/NA	Analysis	7470A		1	74887	02/08/13 15:56	DH	TAL NC

Client Sample ID: TB-06

Lab Sample ID: 240-20715-3

Date Collected: 02/05/13 00:00
Date Received: 02/05/13 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	74893	02/11/13 14:28	LW	TAL NC

Client Sample ID: IA06-SS02/0.0-2.0

Lab Sample ID: 240-20715-4

Date Collected: 02/05/13 10:00
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 71.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75369	02/14/13 13:50	SE	TAL NC
Total/NA	Analysis	8270C		50	75449	02/15/13 17:53	JG	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		50	74907	02/13/13 00:44	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Lab Chronicle

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS02/2.0-2.1

Lab Sample ID: 240-20715-5

Date Collected: 02/05/13 10:05
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75369	02/14/13 13:50	SE	TAL NC
Total/NA	Analysis	8270C		10	75449	02/15/13 19:01	JG	TAL NC
Total/NA	Prep	3540C			74749	02/08/13 11:11	CC	TAL NC
Total/NA	Analysis	8015B		20	75184	02/13/13 20:25	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA06-SS03/0.0-1.0

Lab Sample ID: 240-20715-6

Date Collected: 02/05/13 10:30
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 76.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75369	02/14/13 13:50	SE	TAL NC
Total/NA	Analysis	8270C		100	75449	02/15/13 21:17	JG	TAL NC
Total/NA	Prep	3540C			74749	02/08/13 11:11	CC	TAL NC
Total/NA	Analysis	8015B		50	75184	02/13/13 20:55	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: DUP-04

Lab Sample ID: 240-20715-7

Date Collected: 02/05/13 00:00
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 66.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75369	02/14/13 13:50	SE	TAL NC
Total/NA	Analysis	8270C		50	75449	02/15/13 20:32	JG	TAL NC
Total/NA	Prep	3540C			74749	02/08/13 11:11	CC	TAL NC
Total/NA	Analysis	8015B		50	75184	02/13/13 21:25	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA06-SS03/1.5-2.0

Lab Sample ID: 240-20715-8

Date Collected: 02/05/13 10:35
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75369	02/14/13 13:50	SE	TAL NC
Total/NA	Analysis	8270C		10	75449	02/15/13 19:46	JG	TAL NC
Total/NA	Prep	3540C			74749	02/08/13 11:11	CC	TAL NC
Total/NA	Analysis	8015B		10	75184	02/13/13 15:54	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Lab Chronicle

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS04/0.0-1.8

Lab Sample ID: 240-20715-9

Date Collected: 02/05/13 10:40
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75369	02/14/13 13:50	SE	TAL NC
Total/NA	Analysis	8270C		50	75449	02/15/13 20:09	JG	TAL NC
Total/NA	Prep	3540C			74749	02/08/13 11:11	CC	TAL NC
Total/NA	Analysis	8015B		50	75184	02/13/13 21:55	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA06-SS04/1.8-2.0

Lab Sample ID: 240-20715-10

Date Collected: 02/05/13 10:45
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75369	02/14/13 13:50	SE	TAL NC
Total/NA	Analysis	8270C		5	75449	02/15/13 16:21	JG	TAL NC
Total/NA	Prep	3540C			74749	02/08/13 11:11	CC	TAL NC
Total/NA	Analysis	8015B		5	75184	02/13/13 16:55	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA06-SS05/0.0-1.8

Lab Sample ID: 240-20715-11

Date Collected: 02/05/13 11:20
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 70.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75218	02/13/13 12:15	BM	TAL NC
Total/NA	Analysis	8270C		10	75449	02/15/13 15:36	JG	TAL NC
Total/NA	Prep	3540C			74749	02/08/13 11:11	CC	TAL NC
Total/NA	Analysis	8015B		100	75184	02/13/13 17:25	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA06-SS05/1.8-2.0

Lab Sample ID: 240-20715-12

Date Collected: 02/05/13 11:25
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75369	02/14/13 13:50	SE	TAL NC
Total/NA	Analysis	8270C		10	75449	02/15/13 19:24	JG	TAL NC
Total/NA	Prep	3540C			74749	02/08/13 11:11	CC	TAL NC
Total/NA	Analysis	8015B		10	75184	02/13/13 17:55	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Lab Chronicle

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: IA06-SS06/0.0-1.8

Lab Sample ID: 240-20715-13

Date Collected: 02/05/13 11:55
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 70.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75369	02/14/13 13:50	SE	TAL NC
Total/NA	Analysis	8270C		20	75601	02/18/13 19:53	JG	TAL NC
Total/NA	Prep	3540C			74749	02/08/13 11:11	CC	TAL NC
Total/NA	Analysis	8015B		100	74943	02/12/13 19:14	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA06-SS06/1.8-2.0

Lab Sample ID: 240-20715-14

Date Collected: 02/05/13 12:00
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75369	02/14/13 13:50	SE	TAL NC
Total/NA	Analysis	8270C		2	75449	02/15/13 22:03	JG	TAL NC
Total/NA	Prep	3540C			74749	02/08/13 11:11	CC	TAL NC
Total/NA	Analysis	8015B		1	75184	02/13/13 18:55	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA06-SS07/0.0-1.8

Lab Sample ID: 240-20715-15

Date Collected: 02/05/13 12:20
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75369	02/14/13 13:50	SE	TAL NC
Total/NA	Analysis	8270C		50	75449	02/15/13 16:44	JG	TAL NC
Total/NA	Prep	3540C			74749	02/08/13 11:11	CC	TAL NC
Total/NA	Analysis	8015B		100	74943	02/12/13 20:14	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA06-SS07/1.8-2.0

Lab Sample ID: 240-20715-16

Date Collected: 02/05/13 12:25
Date Received: 02/05/13 17:30

Matrix: Solid
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75369	02/14/13 13:50	SE	TAL NC
Total/NA	Analysis	8270C		5	75449	02/15/13 15:59	JG	TAL NC
Total/NA	Prep	3540C			74749	02/08/13 11:11	CC	TAL NC
Total/NA	Analysis	8015B		10	74943	02/12/13 21:44	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Lab Chronicle

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

TestAmerica Job ID: 240-20715-1

Client Sample ID: DUP-05
Date Collected: 02/05/13 00:00
Date Received: 02/05/13 17:30

Lab Sample ID: 240-20715-17
Matrix: Solid
Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			75369	02/14/13 13:50	SE	TAL NC
Total/NA	Analysis	8270C		50	75449	02/15/13 21:40	JG	TAL NC
Total/NA	Prep	3540C			74749	02/08/13 11:11	CC	TAL NC
Total/NA	Analysis	8015B		50	74943	02/12/13 22:14	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	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: 240-20715-1

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	NELAP	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAP	5	200004	07-31-13
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-13
L-A-B	DoD ELAP		L2315	07-28-13
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAP	2	OH001	06-30-13
New York	NELAP	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Wisconsin	State Program	5	999518190	08-31-13

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: North Canton, OH

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other OH VAP

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: TRC Environmental Corp	Client Project Manager: Kathleen Teuscher	Site Contact: Michael Bitto	Lab Contact: Patrick O'Meara
Address: 1382 W. 9th St. Suite 200	Telephone: 216-344-3072	Telephone: 330-416-4809	Telephone: 330-497-9396
City/State/Zip: Cleveland, OH 44113	Email: kteuscher@trcsolutions.com		
Phone: 216-344-3072		TAT if different from below	
Project Name: CDF	Method of Shipment/Carrier: Drop off	☐ 3 weeks ☒ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	
Project Number: 196663	Shipping/Tracking No:		
PO# 49929			

COC No: 1 of 2 COCs

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered (Y/N)	MS/MSD (Y/N)	VOC	SVOC	PCB	Total RCRA Metals	PAH	TPH-DRO					Sample Specific Notes / Special Instructions:
MW-09	2/5/13	1155		X					1	3			4		N	G	X	X	X	X							
MW-10	2/5/13	1300		X					1	3			4		N	G	X	X	X	X							
TB-06	2/5/13	—		X						2					N	G	X										
IA06-SS02/0.0-2.0	2/5/13	1000			X								3								X	X					MS/MSD
IA06-SS02/2.0-2.1	2/5/13	1005			X								1								X	X					
IA06-SS03/0.0-1.0	2/5/13	1030			X								1								X	X					
DUP-04	2/5/13	—			X								1								X	X					
IA06-SS03/1.5-2.0	2/5/13	1035			X								1								X	X					
IA06-SS04/0.0-1.8	2/5/13	1040			X								1								X	X					
IA06-SS04/1.8-2.0	2/5/13	1045			X								1								X	X					

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	2/5/13 1730	[signature]	TAC	2/5/13 1730
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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TAL-0018 (1008)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: N. Canton
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: TRC Environmental Corp	Client Project Manager: Kathie Teuscher	Site Contact: Michael Bitto	Lab Contact: Patricia O'Meara	COC No:
Address: 1382 W. 9th St, 200	Telephone: 216.344.3072	Telephone: 330.416.4809	Telephone:	2 of 2 COCs
City/State/Zip: Cleveland, OH 44017	Email: kteuscher@trcsolutions.com			
Phone: 216.344.3072				
Project Name: CDF	Method of Shipment/Carrier: Drop off			
Project Number: 196663.00	Shipping/Tracking No:			
PO#				

Analysis Turnaround Time (min 3 days)
TAT if different from below:
☐ 3 weeks
☒ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

For lab use only
W.R. in client ☐
Lab present ☐
Lab sampling ☐
Job/SDG No.

Sample Identification	Sample Date	Sample Time	Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite C/Grab G	PAH	TPH-DRO	Sample Specific Notes / Special Instructions:
IA06-SS05/0.0-1.8	2/5/13	1120			X								1		N	G	X	X	
IA06-SS05/1.8-2.0	2/5/13	1125			X								1		N	G	X	X	
IA06-SS06/0.0-1.8	2/5/13	1155			X								1		N	G	X	X	
IA06-SS06/1.8-2.0	2/5/13	1200			X								1		N	G	X	X	
IA06-SS07/0.0-1.8	2/5/13	1220			X								3		N	G	X	X	MS/MSD
IA06-SS07/1.8-2.0	2/5/13	1225			X								1		N	G	X	X	
DUP-05	2/5/13	—			X								1		N	G	X	X	

Matrix: Air, Aqueous, Sediment, Solid, Other:
Containers & Preservatives: H2SO4, HNO3, HCl, NaOH, ZnAc/NaOH, Unpres, Other:

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	2/5/13 1730	[signature]	TAC	2/5/13 1730
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TAL-0018 (1008)

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TestAmerica Canton Sample Receipt Form/Narrative Login # : 20715

Client TRC Site Name _____ By: _____ (Signature)

Cooler Received on 2/5/13 Opened on 2/6/13

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 –2 °C) Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C	
IR GUN# 4G	(CF 0 °C) Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C	☐ Multiple on Back
IR GUN# 5G	(CF 0 °C) Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C	
IR GUN# 8	(CF 0 °C) Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2 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# 051012-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
9	<2	2/10/13	CSL
10	<2	1	1

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
A56	2.8	2.8	8	ice
A018	3.3	3.3	1	1