TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 240-20668-1
Client Project/Site: Canton Drop Forge

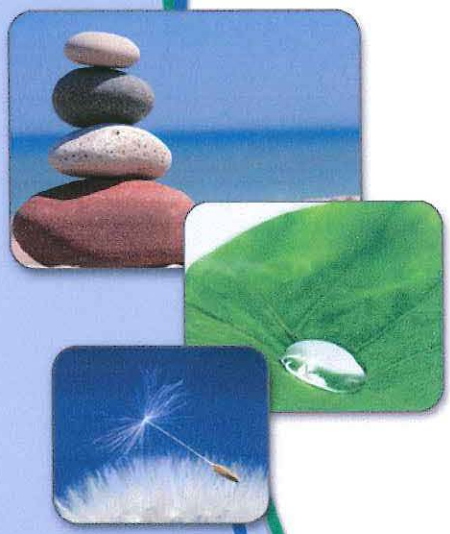
For:
TRC Environmental Corp-Payne Firm
1382 West Ninth Street
Cleveland, Ohio 44113

Attn: Kathleen Teuscher

Patrick O'Meara

Authorized for release by:
2/20/2013 11:50:04 PM

Patrick O'Meara
Project Manager II
patrick.omeara@testamericainc.com



LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Method Summary 7
Sample Summary 8
Detection Summary 9
Client Sample Results 15
Surrogate Summary 37
QC Sample Results 40
QC Association Summary 50
Lab Chronicle 54
Certification Summary 59
Chain of Custody 60

Definitions/Glossary

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

TestAmerica Job ID: 240-20668-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
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: 240-20668-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: TRC Environmental Corp-Payne Firm

Project: Canton Drop Forge

Report Number: 240-20668-1

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 temperature of the cooler at receipt was 3.7 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples RIN-03 (240-20668-19) and TB-05 (240-20668-20) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 02/08/2013.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples IA07-SS03/0.5-1.0 (240-20668-1), IA07-SS03/1.5-2.0 (240-20668-2), IA07-SS03/3.5-4.0 (240-20668-3), IA07-SS04/0.5-1.0 (240-20668-4), IA07-SS04/2.0-2.5 (240-20668-5), IA07-SS04/3.5-4.0 (240-20668-6), IA07-SS05/0.5-1.0 (240-20668-7), IA07-SS05/3.5-4.0 (240-20668-8), IA07-SS05/4.5-5.0 (240-20668-9), IA07-SS06/0.5-1.0 (240-20668-10), IA07-SS06/3.5-4.0 (240-20668-11), IA07-SS06/4.5-5.0 (240-20668-12), IA07-SS07/0.5-1.0 (240-20668-13), IA07-SS07/2.0-2.5 (240-20668-14), IA07-SS07/4.5-5 (240-20668-15), IA07-SS08/0.5-1.0 (240-20668-16), IA07-SS08/2.0-2.5 (240-20668-17) and IA07-SS08/4.5-5.0 (240-20668-18) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on

Job ID: 240-20668-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

02/07/2013 and 02/08/2013 and analyzed on 02/12/2013 and 02/19/2013.

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.

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 IA07-SS03/0.5-1.0 (240-20668-1). 2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria high for IA07-SS08/4.5-5.0 (240-20668-18). 2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria high for IA07-SS03/1.5-2.0 (240-20668-2). 2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria low for IA07-SS04/3.5-4.0 (240-20668-6). Terphenyl-d14 (Surr) failed the surrogate recovery criteria high.

The following sample(s) was diluted due to the nature of the sample matrix: IA07-SS03/0.5-1.0 (240-20668-1), IA07-SS03/1.5-2.0 (240-20668-2), IA07-SS03/3.5-4.0 (240-20668-3), IA07-SS04/2.0-2.5 (240-20668-5), IA07-SS04/3.5-4.0 (240-20668-6, IA07-SS06/4.5-5.0 (240-20668-12), IA07-SS07/2.0-2.5 (240-20668-14), IA07-SS07/4.5-5 (240-20668-15), IA07-SS08/0.5-1.0 (240-20668-16), and IA07-SS08/4.5-5.0 (240-20668-18). Elevated reporting limits (RLs) are provided.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 74451.

Due to the matrix, the following sample could not be concentrated to the final method required volume: IA07-SS03/0.5-1.0 (240-20668-1). The reporting limits (RLs) are elevated proportionately.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample RIN-03 (240-20668-19) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 02/06/2013 and analyzed on 02/11/2013.

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 240-74451/15-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.

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

DIESEL RANGE ORGANICS (DRO)

Samples IA07-SS03/0.5-1.0 (240-20668-1), IA07-SS03/1.5-2.0 (240-20668-2), IA07-SS03/3.5-4.0 (240-20668-3), IA07-SS04/0.5-1.0 (240-20668-4), IA07-SS04/2.0-2.5 (240-20668-5), IA07-SS04/3.5-4.0 (240-20668-6), IA07-SS05/0.5-1.0 (240-20668-7), IA07-SS05/3.5-4.0 (240-20668-8), IA07-SS05/4.5-5.0 (240-20668-9), IA07-SS06/0.5-1.0 (240-20668-10), IA07-SS06/3.5-4.0 (240-20668-11), IA07-SS06/4.5-5.0 (240-20668-12), IA07-SS07/0.5-1.0 (240-20668-13), IA07-SS07/2.0-2.5 (240-20668-14), IA07-SS07/4.5-5 (240-20668-15), IA07-SS08/0.5-1.0 (240-20668-16), IA07-SS08/2.0-2.5 (240-20668-17) and IA07-SS08/4.5-5.0 (240-20668-18) 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 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.

Samples IA07-SS03/0.5-1.0 (240-20668-1)[200X], IA07-SS03/1.5-2.0 (240-20668-2)[50X], IA07-SS03/3.5-4.0 (240-20668-3)[10X], IA07-SS04/2.0-2.5 (240-20668-5)[5X], IA07-SS04/3.5-4.0 (240-20668-6)[100X], IA07-SS05/4.5-5.0 (240-20668-9)[5X], IA07-SS06/4.5-5.0 (240-20668-12)[50X], IA07-SS07/2.0-2.5 (240-20668-14)[20X], IA07-SS07/4.5-5 (240-20668-15)[20X], IA07-SS08/0.5-1.0 (240-20668-16) [20X], IA07-SS08/2.0-2.5 (240-20668-17)[20X] and IA07-SS08/4.5-5.0 (240-20668-18)[20X] 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.

Job ID: 240-20668-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

POLYCHLORINATED BIPHENYLS (PCBS)

Sample RIN-03 (240-20668-19) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 02/06/2013 and analyzed on 02/07/2013.

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.

The opening and closing continuing calibration verification (CCV) associated with batch 74457 passed average. Since the sample was ND, no corrective action was required.RIN-03 (240-20668-19).

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 74457. 3520C 8082.

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

TOTAL RECOVERABLE METALS (ICP)

Sample RIN-03 (240-20668-19) was analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 02/06/2013 and analyzed on 02/07/2013.

Barium was detected in method blank MB 240-74425/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

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

TOTAL MERCURY

Sample RIN-03 (240-20668-19) was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 02/06/2013.

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

PERCENT SOLIDS

Samples IA07-SS03/0.5-1.0 (240-20668-1), IA07-SS03/1.5-2.0 (240-20668-2), IA07-SS03/3.5-4.0 (240-20668-3), IA07-SS04/0.5-1.0 (240-20668-4), IA07-SS04/2.0-2.5 (240-20668-5), IA07-SS04/3.5-4.0 (240-20668-6), IA07-SS05/0.5-1.0 (240-20668-7), IA07-SS05/3.5-4.0 (240-20668-8), IA07-SS05/4.5-5.0 (240-20668-9), IA07-SS06/0.5-1.0 (240-20668-10), IA07-SS06/3.5-4.0 (240-20668-11), IA07-SS06/4.5-5.0 (240-20668-12), IA07-SS07/0.5-1.0 (240-20668-13), IA07-SS07/2.0-2.5 (240-20668-14), IA07-SS07/4.5-5 (240-20668-15), IA07-SS08/0.5-1.0 (240-20668-16), IA07-SS08/2.0-2.5 (240-20668-17) and IA07-SS08/4.5-5.0 (240-20668-18) 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: 240-20668-1

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: 240-20668-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-20668-1	IA07-SS03/0.5-1.0	Solid	02/04/13 10:45	02/05/13 09:00
240-20668-2	IA07-SS03/1.5-2.0	Solid	02/04/13 10:50	02/05/13 09:00
240-20668-3	IA07-SS03/3.5-4.0	Solid	02/04/13 11:20	02/05/13 09:00
240-20668-4	IA07-SS04/0.5-1.0	Solid	02/04/13 14:05	02/05/13 09:00
240-20668-5	IA07-SS04/2.0-2.5	Solid	02/04/13 14:10	02/05/13 09:00
240-20668-6	IA07-SS04/3.5-4.0	Solid	02/04/13 14:00	02/05/13 09:00
240-20668-7	IA07-SS05/0.5-1.0	Solid	02/04/13 14:25	02/05/13 09:00
240-20668-8	IA07-SS05/3.5-4.0	Solid	02/04/13 14:30	02/05/13 09:00
240-20668-9	IA07-SS05/4.5-5.0	Solid	02/04/13 14:35	02/05/13 09:00
240-20668-10	IA07-SS06/0.5-1.0	Solid	02/04/13 14:55	02/05/13 09:00
240-20668-11	IA07-SS06/3.5-4.0	Solid	02/04/13 14:55	02/05/13 09:00
240-20668-12	IA07-SS06/4.5-5.0	Solid	02/04/13 15:00	02/05/13 09:00
240-20668-13	IA07-SS07/0.5-1.0	Solid	02/04/13 15:00	02/05/13 09:00
240-20668-14	IA07-SS07/2.0-2.5	Solid	02/04/13 15:05	02/05/13 09:00
240-20668-15	IA07-SS07/4.5-5	Solid	02/04/13 15:10	02/05/13 09:00
240-20668-16	IA07-SS08/0.5-1.0	Solid	02/04/13 15:55	02/05/13 09:00
240-20668-17	IA07-SS08/2.0-2.5	Solid	02/04/13 16:00	02/05/13 09:00
240-20668-18	IA07-SS08/4.5-5.0	Solid	02/04/13 16:05	02/05/13 09:00
240-20668-19	RIN-03	Water	02/04/13 09:05	02/05/13 09:00
240-20668-20	TB-05	Water	02/04/13 00:00	02/05/13 09:00

Detection Summary

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS03/0.5-1.0 — Lab Sample ID: 240-20668-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	8700		1300	630	ug/Kg	50	☼	8270C	Total/NA
Benzo[a]pyrene	5700		1300	630	ug/Kg	50	☼	8270C	Total/NA
Benzo[b]fluoranthene	3000		1300	630	ug/Kg	50	☼	8270C	Total/NA
Benzo[g,h,i]perylene	3200		1300	630	ug/Kg	50	☼	8270C	Total/NA
Benzo[k]fluoranthene	2000		1300	630	ug/Kg	50	☼	8270C	Total/NA
Chrysene	18000		1300	210	ug/Kg	50	☼	8270C	Total/NA
Fluoranthene	5400		1300	630	ug/Kg	50	☼	8270C	Total/NA
Fluorene	900	J	1300	630	ug/Kg	50	☼	8270C	Total/NA
Phenanthrene	7600		1300	630	ug/Kg	50	☼	8270C	Total/NA
Pyrene	27000		1300	630	ug/Kg	50	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	14000		5700	3200	mg/Kg	200	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	91000		5700	3200	mg/Kg	200	☼	8015B	Total/NA

Client Sample ID: IA07-SS03/1.5-2.0 — Lab Sample ID: 240-20668-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	4000		330	160	ug/Kg	40	☼	8270C	Total/NA
Benzo[a]pyrene	2600		330	160	ug/Kg	40	☼	8270C	Total/NA
Benzo[b]fluoranthene	1400		330	160	ug/Kg	40	☼	8270C	Total/NA
Benzo[g,h,i]perylene	980		330	160	ug/Kg	40	☼	8270C	Total/NA
Anthracene	650		330	160	ug/Kg	40	☼	8270C	Total/NA
Chrysene	6000		330	54	ug/Kg	40	☼	8270C	Total/NA
Fluoranthene	1900		330	160	ug/Kg	40	☼	8270C	Total/NA
Fluorene	660		330	160	ug/Kg	40	☼	8270C	Total/NA
Phenanthrene	7700		330	160	ug/Kg	40	☼	8270C	Total/NA
Pyrene	11000		330	160	ug/Kg	40	☼	8270C	Total/NA
Acenaphthene	340		330	160	ug/Kg	40	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	1800		1000	580	mg/Kg	50	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	12000		1000	580	mg/Kg	50	☼	8015B	Total/NA

Client Sample ID: IA07-SS03/3.5-4.0 — Lab Sample ID: 240-20668-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	850		79	39	ug/Kg	10	☼	8270C	Total/NA
Benzo[a]pyrene	620		79	39	ug/Kg	10	☼	8270C	Total/NA
Benzo[b]fluoranthene	250		79	39	ug/Kg	10	☼	8270C	Total/NA
Benzo[g,h,i]perylene	250		79	39	ug/Kg	10	☼	8270C	Total/NA
Benzo[k]fluoranthene	55	J	79	39	ug/Kg	10	☼	8270C	Total/NA
Anthracene	240		79	39	ug/Kg	10	☼	8270C	Total/NA
Chrysene	1300		79	13	ug/Kg	10	☼	8270C	Total/NA
Fluoranthene	440		79	39	ug/Kg	10	☼	8270C	Total/NA
Fluorene	260		79	39	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	2800		79	39	ug/Kg	10	☼	8270C	Total/NA
Pyrene	2400		79	39	ug/Kg	10	☼	8270C	Total/NA
Acenaphthene	160		79	39	ug/Kg	10	☼	8270C	Total/NA
Naphthalene	96		79	39	ug/Kg	10	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	310		200	110	mg/Kg	10	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	2000		200	110	mg/Kg	10	☼	8015B	Total/NA

Client Sample ID: IA07-SS04/0.5-1.0 — Lab Sample ID: 240-20668-4

This Detection Summary does not include radiochemical test results.

Client Sample ID: IA07-SS04/0.5-1.0 (Continued) — Lab Sample ID: 240-20668-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	140		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	79		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	35		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	33		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	6.9	J	8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Anthracene	57		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Chrysene	220		8.4	1.4	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	82		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Fluorene	48		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	150		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Pyrene	440		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	22		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	59		21	11	mg/Kg	1	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	380		21	11	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: IA07-SS04/2.0-2.5 — Lab Sample ID: 240-20668-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	260		32	16	ug/Kg	4	☼	8270C	Total/NA
Benzo[a]pyrene	210		32	16	ug/Kg	4	☼	8270C	Total/NA
Benzo[b]fluoranthene	86		32	16	ug/Kg	4	☼	8270C	Total/NA
Benzo[g,h,i]perylene	93		32	16	ug/Kg	4	☼	8270C	Total/NA
Benzo[k]fluoranthene	17	J	32	16	ug/Kg	4	☼	8270C	Total/NA
Anthracene	48		32	16	ug/Kg	4	☼	8270C	Total/NA
Chrysene	420		32	5.2	ug/Kg	4	☼	8270C	Total/NA
Fluoranthene	150		32	16	ug/Kg	4	☼	8270C	Total/NA
Fluorene	74		32	16	ug/Kg	4	☼	8270C	Total/NA
Phenanthrene	150		32	16	ug/Kg	4	☼	8270C	Total/NA
Pyrene	900		32	16	ug/Kg	4	☼	8270C	Total/NA
Acenaphthene	26	J	32	16	ug/Kg	4	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	180		99	55	mg/Kg	5	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	1200		99	55	mg/Kg	5	☼	8015B	Total/NA

Client Sample ID: IA07-SS04/3.5-4.0 — Lab Sample ID: 240-20668-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	17000		740	360	ug/Kg	100	☼	8270C	Total/NA
Benzo[a]pyrene	10000		740	360	ug/Kg	100	☼	8270C	Total/NA
Benzo[b]fluoranthene	3800		740	360	ug/Kg	100	☼	8270C	Total/NA
Benzo[g,h,i]perylene	3800		740	360	ug/Kg	100	☼	8270C	Total/NA
Benzo[k]fluoranthene	640	J	740	360	ug/Kg	100	☼	8270C	Total/NA
Anthracene	4300		740	360	ug/Kg	100	☼	8270C	Total/NA
Chrysene	23000		740	120	ug/Kg	100	☼	8270C	Total/NA
Fluoranthene	7800		740	360	ug/Kg	100	☼	8270C	Total/NA
Fluorene	4000		740	360	ug/Kg	100	☼	8270C	Total/NA
Phenanthrene	43000		740	360	ug/Kg	100	☼	8270C	Total/NA
Pyrene	44000		740	360	ug/Kg	100	☼	8270C	Total/NA
Acenaphthene	2200		740	360	ug/Kg	100	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	5500		1800	1000	mg/Kg	100	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	32000		1800	1000	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: 240-20668-1

Client Sample ID: IA07-SS05/0.5-1.0 — Lab Sample ID: 240-20668-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	41		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	36		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	14		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Anthracene	31		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Chrysene	77		8.3	1.4	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	34		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Fluorene	48		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	290		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Pyrene	150		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	38		8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Acenaphthylene	6.6	J	8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	5.7	J	8.3	4.1	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	20	J	21	12	mg/Kg	1	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	220		21	12	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: IA07-SS05/3.5-4.0 — Lab Sample ID: 240-20668-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	9.3		7.8	3.9	ug/Kg	1	☼	8270C	Total/NA
Fluorene	7.3	J	7.8	3.9	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	19		7.8	3.9	ug/Kg	1	☼	8270C	Total/NA
Pyrene	19		7.8	3.9	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	8.5		7.8	3.9	ug/Kg	1	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	140		20	11	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: IA07-SS05/4.5-5.0 — Lab Sample ID: 240-20668-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	130		8.0	3.9	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	71		8.0	3.9	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	50		8.0	3.9	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	35		8.0	3.9	ug/Kg	1	☼	8270C	Total/NA
Anthracene	99		8.0	3.9	ug/Kg	1	☼	8270C	Total/NA
Chrysene	220		8.0	1.3	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	110		8.0	3.9	ug/Kg	1	☼	8270C	Total/NA
Fluorene	61		8.0	3.9	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	830		8.0	3.9	ug/Kg	1	☼	8270C	Total/NA
Pyrene	460		8.0	3.9	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	39		8.0	3.9	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	28		8.0	3.9	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	99	J	100	56	mg/Kg	5	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	840		100	56	mg/Kg	5	☼	8015B	Total/NA

Client Sample ID: IA07-SS06/0.5-1.0 — Lab Sample ID: 240-20668-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	18		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	9.1		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Anthracene	19		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Chrysene	33		8.4	1.4	ug/Kg	1	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IA07-SS06/0.5-1.0 (Continued) — Lab Sample ID: 240-20668-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	19		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Fluorene	100		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	280		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Pyrene	62		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	58		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	27		8.4	4.1	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	42		21	12	mg/Kg	1	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	180		21	12	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: IA07-SS06/3.5-4.0 — Lab Sample ID: 240-20668-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	18		8.7	4.3	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	17		8.7	4.3	ug/Kg	1	☼	8270C	Total/NA
Anthracene	60		8.7	4.3	ug/Kg	1	☼	8270C	Total/NA
Chrysene	13		8.7	1.4	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	22		8.7	4.3	ug/Kg	1	☼	8270C	Total/NA
Fluorene	68		8.7	4.3	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	600		8.7	4.3	ug/Kg	1	☼	8270C	Total/NA
Pyrene	75		8.7	4.3	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	53		8.7	4.3	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	210		8.7	4.3	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	29		22	12	mg/Kg	1	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	77		22	12	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: IA07-SS06/4.5-5.0 — Lab Sample ID: 240-20668-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	6700		540	270	ug/Kg	50	☼	8270C	Total/NA
Benzo[a]pyrene	3200		540	270	ug/Kg	50	☼	8270C	Total/NA
Benzo[b]fluoranthene	1500		540	270	ug/Kg	50	☼	8270C	Total/NA
Benzo[g,h,i]perylene	1600		540	270	ug/Kg	50	☼	8270C	Total/NA
Benzo[k]fluoranthene	540		540	270	ug/Kg	50	☼	8270C	Total/NA
Anthracene	2500		540	270	ug/Kg	50	☼	8270C	Total/NA
Chrysene	9300		540	89	ug/Kg	50	☼	8270C	Total/NA
Fluoranthene	4600		540	270	ug/Kg	50	☼	8270C	Total/NA
Fluorene	2700		540	270	ug/Kg	50	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	520	J	540	270	ug/Kg	50	☼	8270C	Total/NA
Phenanthrene	26000		540	270	ug/Kg	50	☼	8270C	Total/NA
Pyrene	19000		540	270	ug/Kg	50	☼	8270C	Total/NA
Acenaphthene	1600		540	270	ug/Kg	50	☼	8270C	Total/NA
Naphthalene	1100		540	270	ug/Kg	50	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	1500		1400	770	mg/Kg	50	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	10000		1400	770	mg/Kg	50	☼	8015B	Total/NA

Client Sample ID: IA07-SS07/0.5-1.0 — Lab Sample ID: 240-20668-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	4.6	J	8.5	4.2	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	18		8.5	4.2	ug/Kg	1	☼	8270C	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: 240-20668-1

Client Sample ID: IA07-SS07/0.5-1.0 (Continued) — Lab Sample ID: 240-20668-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	26		8.5	4.2	ug/Kg	1	☼	8270C	Total/NA
Pyrene	14		8.5	4.2	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	8.4	J	8.5	4.2	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	260		8.5	4.2	ug/Kg	1	☼	8270C	Total/NA
Oil Range Organics (C20-C34)	16	J	22	12	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: IA07-SS07/2.0-2.5 — Lab Sample ID: 240-20668-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	3600		170	83	ug/Kg	20	☼	8270C	Total/NA
Benzo[a]pyrene	1700		170	83	ug/Kg	20	☼	8270C	Total/NA
Benzo[b]fluoranthene	760		170	83	ug/Kg	20	☼	8270C	Total/NA
Benzo[g,h,i]perylene	480		170	83	ug/Kg	20	☼	8270C	Total/NA
Benzo[k]fluoranthene	160	J	170	83	ug/Kg	20	☼	8270C	Total/NA
Anthracene	2400		170	83	ug/Kg	20	☼	8270C	Total/NA
Chrysene	5200		170	28	ug/Kg	20	☼	8270C	Total/NA
Fluoranthene	2400		170	83	ug/Kg	20	☼	8270C	Total/NA
Fluorene	1800		170	83	ug/Kg	20	☼	8270C	Total/NA
Phenanthrene	19000		170	83	ug/Kg	20	☼	8270C	Total/NA
Pyrene	12000		170	83	ug/Kg	20	☼	8270C	Total/NA
Acenaphthene	1200		170	83	ug/Kg	20	☼	8270C	Total/NA
Acenaphthylene	210		170	83	ug/Kg	20	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	940		420	230	mg/Kg	20	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	4000		420	230	mg/Kg	20	☼	8015B	Total/NA

Client Sample ID: IA07-SS07/4.5-5 — Lab Sample ID: 240-20668-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	2500		160	79	ug/Kg	20	☼	8270C	Total/NA
Benzo[a]pyrene	1500		160	79	ug/Kg	20	☼	8270C	Total/NA
Benzo[b]fluoranthene	730		160	79	ug/Kg	20	☼	8270C	Total/NA
Benzo[g,h,i]perylene	460		160	79	ug/Kg	20	☼	8270C	Total/NA
Anthracene	1100		160	79	ug/Kg	20	☼	8270C	Total/NA
Chrysene	4800		160	26	ug/Kg	20	☼	8270C	Total/NA
Fluoranthene	1500		160	79	ug/Kg	20	☼	8270C	Total/NA
Fluorene	1100		160	79	ug/Kg	20	☼	8270C	Total/NA
Phenanthrene	11000		160	79	ug/Kg	20	☼	8270C	Total/NA
Pyrene	7600		160	79	ug/Kg	20	☼	8270C	Total/NA
Acenaphthene	750		160	79	ug/Kg	20	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	1000		390	220	mg/Kg	20	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	5300		390	220	mg/Kg	20	☼	8015B	Total/NA

Client Sample ID: IA07-SS08/0.5-1.0 — Lab Sample ID: 240-20668-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	140	J	180	89	ug/Kg	20	☼	8270C	Total/NA
Chrysene	700		180	30	ug/Kg	20	☼	8270C	Total/NA
Fluoranthene	200		180	89	ug/Kg	20	☼	8270C	Total/NA
Fluorene	120	J	180	89	ug/Kg	20	☼	8270C	Total/NA
Pyrene	880		180	89	ug/Kg	20	☼	8270C	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: 240-20668-1

Client Sample ID: IA07-SS08/0.5-1.0 (Continued) — Lab Sample ID: 240-20668-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (C10-C20)	870		450	250	mg/Kg	20	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	6000		450	250	mg/Kg	20	☼	8015B	Total/NA

Client Sample ID: IA07-SS08/2.0-2.5 — Lab Sample ID: 240-20668-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	160		8.8	1.4	ug/Kg	1	☼	8270C	Total/NA
Fluorene	23		8.8	4.3	ug/Kg	1	☼	8270C	Total/NA
Pyrene	82		8.8	4.3	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	10		8.8	4.3	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	280	J	440	240	mg/Kg	20	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	2500		440	240	mg/Kg	20	☼	8015B	Total/NA

Client Sample ID: IA07-SS08/4.5-5.0 — Lab Sample ID: 240-20668-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	200	J	390	190	ug/Kg	50	☼	8270C	Total/NA
Diesel Range Organics (C10-C20)	370	J	390	220	mg/Kg	20	☼	8015B	Total/NA
Oil Range Organics (C20-C34)	3500		390	220	mg/Kg	20	☼	8015B	Total/NA

Client Sample ID: RIN-03 — Lab Sample ID: 240-20668-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.13	J	1.0	0.13	ug/L	1		8260B	Total/NA
Chloroform	0.63	J	1.0	0.16	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.98	J B	2.0	0.78	ug/L	1		8270C	Total/NA

Client Sample ID: TB-05 — Lab Sample ID: 240-20668-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16		10	1.1	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	0.61	J	10	0.57	ug/L	1		8260B	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: 240-20668-1

Client Sample ID: IA07-SS03/0.5-1.0
Date Collected: 02/04/13 10:45
Date Received: 02/05/13 09:00

Lab Sample ID: 240-20668-1
Matrix: Solid
Percent Solids: 58.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	8700		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Benzo[a]pyrene	5700		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Benzo[b]fluoranthene	3000		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Benzo[g,h,i]perylene	3200		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Benzo[k]fluoranthene	2000		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Anthracene	ND		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Chrysene	18000		1300	210	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Dibenz(a,h)anthracene	ND		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Fluoranthene	5400		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Fluorene	900	J	1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Indeno[1,2,3-cd]pyrene	ND		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Phenanthrene	7600		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Pyrene	27000		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Acenaphthene	ND		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Acenaphthylene	ND		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50
Naphthalene	ND		1300	630	ug/Kg	☼	02/07/13 10:12	02/19/13 23:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*X*	*24 - 110*	*02/07/13 10:12*	*02/19/13 23:14*	*50*
2-Fluorophenol (Surr)	*0*	*X*	*24 - 110*	*02/07/13 10:12*	*02/19/13 23:14*	*50*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*10 - 110*	*02/07/13 10:12*	*02/19/13 23:14*	*50*
Nitrobenzene-d5 (Surr)	*0*	*X*	*20 - 110*	*02/07/13 10:12*	*02/19/13 23:14*	*50*
Phenol-d5 (Surr)	*0*	*X*	*26 - 110*	*02/07/13 10:12*	*02/19/13 23:14*	*50*
Terphenyl-d14 (Surr)	*0*	*X*	*36 - 110*	*02/07/13 10:12*	*02/19/13 23:14*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	14000		5700	3200	mg/Kg	☼	02/07/13 10:08	02/13/13 13:24	200
Oil Range Organics (C20-C34)	91000		5700	3200	mg/Kg	☼	02/07/13 10:08	02/13/13 13:24	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*103*		*10 - 110*	*02/07/13 10:08*	*02/13/13 13:24*	*200*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS03/1.5-2.0

Lab Sample ID: 240-20668-2

Date Collected: 02/04/13 10:50
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	4000		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Benzo[a]pyrene	2600		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Benzo[b]fluoranthene	1400		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Benzo[g,h,i]perylene	980		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Benzo[k]fluoranthene	ND		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Anthracene	650		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Chrysene	6000		330	54	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Dibenz(a,h)anthracene	ND		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Fluoranthene	1900		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Fluorene	660		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Indeno[1,2,3-cd]pyrene	ND		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Phenanthrene	7700		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Pyrene	11000		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Acenaphthene	340		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Acenaphthylene	ND		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40
Naphthalene	ND		330	160	ug/Kg	☼	02/07/13 10:12	02/12/13 19:10	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*24 - 110*	*02/07/13 10:12*	*02/12/13 19:10*	*40*
2-Fluorophenol (Surr)	*88*		*24 - 110*	*02/07/13 10:12*	*02/12/13 19:10*	*40*
2,4,6-Tribromophenol (Surr)	*135*	*X*	*10 - 110*	*02/07/13 10:12*	*02/12/13 19:10*	*40*
Nitrobenzene-d5 (Surr)	*77*		*20 - 110*	*02/07/13 10:12*	*02/12/13 19:10*	*40*
Phenol-d5 (Surr)	*78*		*26 - 110*	*02/07/13 10:12*	*02/12/13 19:10*	*40*
Terphenyl-d14 (Surr)	*76*		*36 - 110*	*02/07/13 10:12*	*02/12/13 19:10*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	1800		1000	580	mg/Kg	☼	02/07/13 10:08	02/12/13 15:14	50
Oil Range Organics (C20-C34)	12000		1000	580	mg/Kg	☼	02/07/13 10:08	02/12/13 15:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*56*		*10 - 110*	*02/07/13 10:08*	*02/12/13 15:14*	*50*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS03/3.5-4.0
Date Collected: 02/04/13 11:20
Date Received: 02/05/13 09:00

Lab Sample ID: 240-20668-3
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	850		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Benzo[a]pyrene	620		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Benzo[b]fluoranthene	250		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Benzo[g,h,i]perylene	250		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Benzo[k]fluoranthene	55	J	79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Anthracene	240		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Chrysene	1300		79	13	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Dibenz(a,h)anthracene	ND		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Fluoranthene	440		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Fluorene	260		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Phenanthrene	2800		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Pyrene	2400		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Acenaphthene	160		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Acenaphthylene	ND		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10
Naphthalene	96		79	39	ug/Kg	☼	02/07/13 10:12	02/12/13 17:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*24 - 110*	*02/07/13 10:12*	*02/12/13 17:43*	*10*
2-Fluorophenol (Surr)	*79*		*24 - 110*	*02/07/13 10:12*	*02/12/13 17:43*	*10*
2,4,6-Tribromophenol (Surr)	*59*		*10 - 110*	*02/07/13 10:12*	*02/12/13 17:43*	*10*
Nitrobenzene-d5 (Surr)	*63*		*20 - 110*	*02/07/13 10:12*	*02/12/13 17:43*	*10*
Phenol-d5 (Surr)	*79*		*26 - 110*	*02/07/13 10:12*	*02/12/13 17:43*	*10*
Terphenyl-d14 (Surr)	*72*		*36 - 110*	*02/07/13 10:12*	*02/12/13 17:43*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	310		200	110	mg/Kg	☼	02/07/13 10:08	02/12/13 15:44	10
Oil Range Organics (C20-C34)	2000		200	110	mg/Kg	☼	02/07/13 10:08	02/12/13 15:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*48*		*10 - 110*	*02/07/13 10:08*	*02/12/13 15:44*	*10*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS04/0.5-1.0

Lab Sample ID: 240-20668-4

Date Collected: 02/04/13 14:05
Date Received: 02/05/13 09:00

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	140		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Benzo[a]pyrene	79		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Benzo[b]fluoranthene	35		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Benzo[g,h,i]perylene	33		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Benzo[k]fluoranthene	6.9	J	8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Anthracene	57		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Chrysene	220		8.4	1.4	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Dibenz(a,h)anthracene	ND		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Fluoranthene	82		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Fluorene	48		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Indeno[1,2,3-cd]pyrene	ND		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Phenanthrene	150		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Pyrene	440		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Acenaphthene	22		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Acenaphthylene	ND		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1
Naphthalene	ND		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*47*		*24 - 110*	*02/07/13 10:12*	*02/12/13 13:20*	*1*
2-Fluorophenol (Surr)	*60*		*24 - 110*	*02/07/13 10:12*	*02/12/13 13:20*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*10 - 110*	*02/07/13 10:12*	*02/12/13 13:20*	*1*
Nitrobenzene-d5 (Surr)	*47*		*20 - 110*	*02/07/13 10:12*	*02/12/13 13:20*	*1*
Phenol-d5 (Surr)	*60*		*26 - 110*	*02/07/13 10:12*	*02/12/13 13:20*	*1*
Terphenyl-d14 (Surr)	*59*		*36 - 110*	*02/07/13 10:12*	*02/12/13 13:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	59		21	11	mg/Kg	☼	02/07/13 10:08	02/12/13 16:14	1
Oil Range Organics (C20-C34)	380		21	11	mg/Kg	☼	02/07/13 10:08	02/12/13 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*37*		*10 - 110*	*02/07/13 10:08*	*02/12/13 16:14*	*1*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS04/2.0-2.5

Lab Sample ID: 240-20668-5

Date Collected: 02/04/13 14:10
Matrix: Solid
Date Received: 02/05/13 09:00
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	260		32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Benzo[a]pyrene	210		32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Benzo[b]fluoranthene	86		32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Benzo[g,h,i]perylene	93		32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Benzo[k]fluoranthene	17	J	32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Anthracene	48		32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Chrysene	420		32	5.2	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Dibenz(a,h)anthracene	ND		32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Fluoranthene	150		32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Fluorene	74		32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Indeno[1,2,3-cd]pyrene	ND		32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Phenanthrene	150		32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Pyrene	900		32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Acenaphthene	26	J	32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Acenaphthylene	ND		32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4
Naphthalene	ND		32	16	ug/Kg	☼	02/07/13 10:12	02/12/13 17:21	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*48*		*24 - 110*	*02/07/13 10:12*	*02/12/13 17:21*	*4*
2-Fluorophenol (Surr)	*64*		*24 - 110*	*02/07/13 10:12*	*02/12/13 17:21*	*4*
2,4,6-Tribromophenol (Surr)	*53*		*10 - 110*	*02/07/13 10:12*	*02/12/13 17:21*	*4*
Nitrobenzene-d5 (Surr)	*52*		*20 - 110*	*02/07/13 10:12*	*02/12/13 17:21*	*4*
Phenol-d5 (Surr)	*62*		*26 - 110*	*02/07/13 10:12*	*02/12/13 17:21*	*4*
Terphenyl-d14 (Surr)	*59*		*36 - 110*	*02/07/13 10:12*	*02/12/13 17:21*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	180		99	55	mg/Kg	☼	02/07/13 10:08	02/13/13 13:54	5
Oil Range Organics (C20-C34)	1200		99	55	mg/Kg	☼	02/07/13 10:08	02/13/13 13:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*53*		*10 - 110*	*02/07/13 10:08*	*02/13/13 13:54*	*5*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS04/3.5-4.0

Lab Sample ID: 240-20668-6

Date Collected: 02/04/13 14:00
Matrix: Solid
Date Received: 02/05/13 09:00
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	17000		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Benzo[a]pyrene	10000		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Benzo[b]fluoranthene	3800		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Benzo[g,h,i]perylene	3800		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Benzo[k]fluoranthene	640	J	740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Anthracene	4300		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Chrysene	23000		740	120	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Dibenz(a,h)anthracene	ND		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Fluoranthene	7800		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Fluorene	4000		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Indeno[1,2,3-cd]pyrene	ND		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Phenanthrene	43000		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Pyrene	44000		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Acenaphthene	2200		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Acenaphthylene	ND		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100
Naphthalene	ND		740	360	ug/Kg	☼	02/07/13 10:12	02/19/13 23:38	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*24 - 110*	*02/07/13 10:12*	*02/19/13 23:38*	*100*
2-Fluorophenol (Surr)	*91*		*24 - 110*	*02/07/13 10:12*	*02/19/13 23:38*	*100*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*10 - 110*	*02/07/13 10:12*	*02/19/13 23:38*	*100*
Nitrobenzene-d5 (Surr)	*75*		*20 - 110*	*02/07/13 10:12*	*02/19/13 23:38*	*100*
Phenol-d5 (Surr)	*88*		*26 - 110*	*02/07/13 10:12*	*02/19/13 23:38*	*100*
Terphenyl-d14 (Surr)	*115*	*X*	*36 - 110*	*02/07/13 10:12*	*02/19/13 23:38*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	5500		1800	1000	mg/Kg	☼	02/07/13 10:08	02/12/13 17:14	100
Oil Range Organics (C20-C34)	32000		1800	1000	mg/Kg	☼	02/07/13 10:08	02/12/13 17:14	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*51*		*10 - 110*	*02/07/13 10:08*	*02/12/13 17:14*	*100*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS05/0.5-1.0

Lab Sample ID: 240-20668-7

Date Collected: 02/04/13 14:25
Matrix: Solid
Date Received: 02/05/13 09:00
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	41		8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Benzo[a]pyrene	36		8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Benzo[b]fluoranthene	14		8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Benzo[g,h,i]perylene	ND		8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Benzo[k]fluoranthene	ND		8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Anthracene	31		8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Chrysene	77		8.3	1.4	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Dibenz(a,h)anthracene	ND		8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Fluoranthene	34		8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Fluorene	48		8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Indeno[1,2,3-cd]pyrene	ND		8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Phenanthrene	290		8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Pyrene	150		8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Acenaphthene	38		8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Acenaphthylene	6.6	J	8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1
Naphthalene	5.7	J	8.3	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*43*		*24 - 110*	*02/07/13 10:12*	*02/12/13 13:42*	*1*
2-Fluorophenol (Surr)	*60*		*24 - 110*	*02/07/13 10:12*	*02/12/13 13:42*	*1*
2,4,6-Tribromophenol (Surr)	*49*		*10 - 110*	*02/07/13 10:12*	*02/12/13 13:42*	*1*
Nitrobenzene-d5 (Surr)	*50*		*20 - 110*	*02/07/13 10:12*	*02/12/13 13:42*	*1*
Phenol-d5 (Surr)	*59*		*26 - 110*	*02/07/13 10:12*	*02/12/13 13:42*	*1*
Terphenyl-d14 (Surr)	*52*		*36 - 110*	*02/07/13 10:12*	*02/12/13 13:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	20	J	21	12	mg/Kg	☼	02/07/13 10:08	02/12/13 17:44	1
Oil Range Organics (C20-C34)	220		21	12	mg/Kg	☼	02/07/13 10:08	02/12/13 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*45*		*10 - 110*	*02/07/13 10:08*	*02/12/13 17:44*	*1*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS05/3.5-4.0
Date Collected: 02/04/13 14:30
Date Received: 02/05/13 09:00

Lab Sample ID: 240-20668-8
Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Benzo[a]pyrene	ND		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Benzo[b]fluoranthene	**9.3**		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Benzo[g,h,i]perylene	ND		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Benzo[k]fluoranthene	ND		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Anthracene	ND		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Chrysene	ND		7.8	1.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Dibenz(a,h)anthracene	ND		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Fluoranthene	ND		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Fluorene	**7.3**	J	7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Indeno[1,2,3-cd]pyrene	ND		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Phenanthrene	**19**		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Pyrene	**19**		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Acenaphthene	**8.5**		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Acenaphthylene	ND		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1
Naphthalene	ND		7.8	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*45*		*24 - 110*	*02/07/13 10:12*	*02/12/13 14:04*	*1*
2-Fluorophenol (Surr)	*64*		*24 - 110*	*02/07/13 10:12*	*02/12/13 14:04*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*10 - 110*	*02/07/13 10:12*	*02/12/13 14:04*	*1*
Nitrobenzene-d5 (Surr)	*52*		*20 - 110*	*02/07/13 10:12*	*02/12/13 14:04*	*1*
Phenol-d5 (Surr)	*63*		*26 - 110*	*02/07/13 10:12*	*02/12/13 14:04*	*1*
Terphenyl-d14 (Surr)	*56*		*36 - 110*	*02/07/13 10:12*	*02/12/13 14:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		20	11	mg/Kg	☼	02/07/13 10:08	02/12/13 18:15	1
Oil Range Organics (C20-C34)	**140**		20	11	mg/Kg	☼	02/07/13 10:08	02/12/13 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*49*		*10 - 110*	*02/07/13 10:08*	*02/12/13 18:15*	*1*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS05/4.5-5.0
Date Collected: 02/04/13 14:35
Date Received: 02/05/13 09:00

Lab Sample ID: 240-20668-9
Matrix: Solid
Percent Solids: 82.8

8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	130		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Benzo[a]pyrene	71		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Benzo[b]fluoranthene	50		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Benzo[g,h,i]perylene	35		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Benzo[k]fluoranthene	ND		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Anthracene	99		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Chrysene	220		8.0	1.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Dibenz(a,h)anthracene	ND		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Fluoranthene	110		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Fluorene	61		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Indeno[1,2,3-cd]pyrene	ND		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Phenanthrene	830		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Pyrene	460		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Acenaphthene	39		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Acenaphthylene	ND		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1
Naphthalene	28		8.0	3.9	ug/Kg	☼	02/07/13 10:12	02/12/13 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*50*		*24 - 110*	*02/07/13 10:12*	*02/12/13 14:48*	*1*
2-Fluorophenol (Surr)	*67*		*24 - 110*	*02/07/13 10:12*	*02/12/13 14:48*	*1*
2,4,6-Tribromophenol (Surr)	*43*		*10 - 110*	*02/07/13 10:12*	*02/12/13 14:48*	*1*
Nitrobenzene-d5 (Surr)	*55*		*20 - 110*	*02/07/13 10:12*	*02/12/13 14:48*	*1*
Phenol-d5 (Surr)	*66*		*26 - 110*	*02/07/13 10:12*	*02/12/13 14:48*	*1*
Terphenyl-d14 (Surr)	*61*		*36 - 110*	*02/07/13 10:12*	*02/12/13 14:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	99	J	100	56	mg/Kg	☼	02/07/13 10:08	02/13/13 14:24	5
Oil Range Organics (C20-C34)	840		100	56	mg/Kg	☼	02/07/13 10:08	02/13/13 14:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*47*		*10 - 110*	*02/07/13 10:08*	*02/13/13 14:24*	*5*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS06/0.5-1.0

Lab Sample ID: 240-20668-10

Date Collected: 02/04/13 14:55
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**18**		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Benzo[a]pyrene	ND		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Benzo[b]fluoranthene	**9.1**		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Benzo[g,h,i]perylene	ND		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Benzo[k]fluoranthene	ND		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Anthracene	**19**		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Chrysene	**33**		8.4	1.4	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Dibenz(a,h)anthracene	ND		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Fluoranthene	**19**		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Fluorene	**100**		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Indeno[1,2,3-cd]pyrene	ND		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Phenanthrene	**280**		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Pyrene	**62**		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Acenaphthene	**58**		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Acenaphthylene	ND		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1
Naphthalene	**27**		8.4	4.1	ug/Kg	☼	02/07/13 10:12	02/12/13 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*48*		*24 - 110*	*02/07/13 10:12*	*02/12/13 15:09*	*1*
2-Fluorophenol (Surr)	*63*		*24 - 110*	*02/07/13 10:12*	*02/12/13 15:09*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*10 - 110*	*02/07/13 10:12*	*02/12/13 15:09*	*1*
Nitrobenzene-d5 (Surr)	*50*		*20 - 110*	*02/07/13 10:12*	*02/12/13 15:09*	*1*
Phenol-d5 (Surr)	*62*		*26 - 110*	*02/07/13 10:12*	*02/12/13 15:09*	*1*
Terphenyl-d14 (Surr)	*61*		*36 - 110*	*02/07/13 10:12*	*02/12/13 15:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	**42**		21	12	mg/Kg	☼	02/07/13 10:08	02/12/13 19:44	1
Oil Range Organics (C20-C34)	**180**		21	12	mg/Kg	☼	02/07/13 10:08	02/12/13 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*48*		*10 - 110*	*02/07/13 10:08*	*02/12/13 19:44*	*1*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS06/3.5-4.0

Lab Sample ID: 240-20668-11

Date Collected: 02/04/13 14:55
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 76.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Benzo[a]pyrene	**18**		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Benzo[b]fluoranthene	ND		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Benzo[g,h,i]perylene	**17**		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Benzo[k]fluoranthene	ND		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Anthracene	**60**		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Chrysene	**13**		8.7	1.4	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Dibenz(a,h)anthracene	ND		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Fluoranthene	**22**		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Fluorene	**68**		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Indeno[1,2,3-cd]pyrene	ND		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Phenanthrene	**600**		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Pyrene	**75**		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Acenaphthene	**53**		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Acenaphthylene	ND		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1
Naphthalene	**210**		8.7	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*44*		*24 - 110*	*02/07/13 10:12*	*02/12/13 14:26*	*1*
2-Fluorophenol (Surr)	*62*		*24 - 110*	*02/07/13 10:12*	*02/12/13 14:26*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*10 - 110*	*02/07/13 10:12*	*02/12/13 14:26*	*1*
Nitrobenzene-d5 (Surr)	*50*		*20 - 110*	*02/07/13 10:12*	*02/12/13 14:26*	*1*
Phenol-d5 (Surr)	*62*		*26 - 110*	*02/07/13 10:12*	*02/12/13 14:26*	*1*
Terphenyl-d14 (Surr)	*61*		*36 - 110*	*02/07/13 10:12*	*02/12/13 14:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	**29**		22	12	mg/Kg	☼	02/07/13 10:08	02/12/13 20:14	1
Oil Range Organics (C20-C34)	**77**		22	12	mg/Kg	☼	02/07/13 10:08	02/12/13 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*47*		*10 - 110*	*02/07/13 10:08*	*02/12/13 20:14*	*1*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS06/4.5-5.0

Lab Sample ID: 240-20668-12

Date Collected: 02/04/13 15:00
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 60.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	6700		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Benzo[a]pyrene	3200		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Benzo[b]fluoranthene	1500		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Benzo[g,h,i]perylene	1600		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Benzo[k]fluoranthene	540		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Anthracene	2500		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Chrysene	9300		540	89	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Dibenz(a,h)anthracene	ND		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Fluoranthene	4600		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Fluorene	2700		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Indeno[1,2,3-cd]pyrene	520	J	540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Phenanthrene	26000		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Pyrene	19000		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Acenaphthene	1600		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Acenaphthylene	ND		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50
Naphthalene	1100		540	270	ug/Kg	☼	02/07/13 10:12	02/19/13 22:49	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*81*		*24 - 110*	*02/07/13 10:12*	*02/19/13 22:49*	*50*
2-Fluorophenol (Surr)	*87*		*24 - 110*	*02/07/13 10:12*	*02/19/13 22:49*	*50*
2,4,6-Tribromophenol (Surr)	*106*		*10 - 110*	*02/07/13 10:12*	*02/19/13 22:49*	*50*
Nitrobenzene-d5 (Surr)	*82*		*20 - 110*	*02/07/13 10:12*	*02/19/13 22:49*	*50*
Phenol-d5 (Surr)	*89*		*26 - 110*	*02/07/13 10:12*	*02/19/13 22:49*	*50*
Terphenyl-d14 (Surr)	*89*		*36 - 110*	*02/07/13 10:12*	*02/19/13 22:49*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	1500		1400	770	mg/Kg	☼	02/07/13 10:08	02/12/13 20:44	50
Oil Range Organics (C20-C34)	10000		1400	770	mg/Kg	☼	02/07/13 10:08	02/12/13 20:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*52*		*10 - 110*	*02/07/13 10:08*	*02/12/13 20:44*	*50*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS07/0.5-1.0

Lab Sample ID: 240-20668-13

Date Collected: 02/04/13 15:00
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Benzo[a]pyrene	ND		8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Benzo[b]fluoranthene	**4.6**	J	8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Benzo[g,h,i]perylene	**18**		8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Benzo[k]fluoranthene	ND		8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Anthracene	ND		8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Chrysene	ND		8.5	1.4	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Dibenz(a,h)anthracene	ND		8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Fluoranthene	ND		8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Fluorene	ND		8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Indeno[1,2,3-cd]pyrene	**26**		8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Phenanthrene	ND		8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Pyrene	**14**		8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Acenaphthene	**8.4**	J	8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Acenaphthylene	ND		8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1
Naphthalene	**260**		8.5	4.2	ug/Kg	☼	02/07/13 10:12	02/12/13 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*49*		*24 - 110*	*02/07/13 10:12*	*02/12/13 15:31*	*1*
2-Fluorophenol (Surr)	*69*		*24 - 110*	*02/07/13 10:12*	*02/12/13 15:31*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*10 - 110*	*02/07/13 10:12*	*02/12/13 15:31*	*1*
Nitrobenzene-d5 (Surr)	*57*		*20 - 110*	*02/07/13 10:12*	*02/12/13 15:31*	*1*
Phenol-d5 (Surr)	*68*		*26 - 110*	*02/07/13 10:12*	*02/12/13 15:31*	*1*
Terphenyl-d14 (Surr)	*61*		*36 - 110*	*02/07/13 10:12*	*02/12/13 15:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		22	12	mg/Kg	☼	02/07/13 10:08	02/12/13 21:14	1
Oil Range Organics (C20-C34)	**16**	J	22	12	mg/Kg	☼	02/07/13 10:08	02/12/13 21:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*46*		*10 - 110*	*02/07/13 10:08*	*02/12/13 21:14*	*1*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS07/2.0-2.5

Lab Sample ID: 240-20668-14

Date Collected: 02/04/13 15:05
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	3600		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Benzo[a]pyrene	1700		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Benzo[b]fluoranthene	760		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Benzo[g,h,i]perylene	480		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Benzo[k]fluoranthene	160	J	170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Anthracene	2400		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Chrysene	5200		170	28	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Dibenz(a,h)anthracene	ND		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Fluoranthene	2400		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Fluorene	1800		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Indeno[1,2,3-cd]pyrene	ND		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Phenanthrene	19000		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Pyrene	12000		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Acenaphthene	1200		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Acenaphthylene	210		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20
Naphthalene	ND		170	83	ug/Kg	☼	02/07/13 10:12	02/12/13 18:26	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*24 - 110*	*02/07/13 10:12*	*02/12/13 18:26*	*20*
2-Fluorophenol (Surr)	*85*		*24 - 110*	*02/07/13 10:12*	*02/12/13 18:26*	*20*
2,4,6-Tribromophenol (Surr)	*87*		*10 - 110*	*02/07/13 10:12*	*02/12/13 18:26*	*20*
Nitrobenzene-d5 (Surr)	*66*		*20 - 110*	*02/07/13 10:12*	*02/12/13 18:26*	*20*
Phenol-d5 (Surr)	*82*		*26 - 110*	*02/07/13 10:12*	*02/12/13 18:26*	*20*
Terphenyl-d14 (Surr)	*73*		*36 - 110*	*02/07/13 10:12*	*02/12/13 18:26*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	940		420	230	mg/Kg	☼	02/07/13 10:08	02/13/13 14:54	20
Oil Range Organics (C20-C34)	4000		420	230	mg/Kg	☼	02/07/13 10:08	02/13/13 14:54	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*58*		*10 - 110*	*02/07/13 10:08*	*02/13/13 14:54*	*20*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS07/4.5-5

Lab Sample ID: 240-20668-15

Date Collected: 02/04/13 15:10
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	2500		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Benzo[a]pyrene	1500		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Benzo[b]fluoranthene	730		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Benzo[g,h,i]perylene	460		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Benzo[k]fluoranthene	ND		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Anthracene	1100		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Chrysene	4800		160	26	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Dibenz(a,h)anthracene	ND		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Fluoranthene	1500		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Fluorene	1100		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Indeno[1,2,3-cd]pyrene	ND		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Phenanthrene	11000		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Pyrene	7600		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Acenaphthene	750		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Acenaphthylene	ND		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20
Naphthalene	ND		160	79	ug/Kg	☼	02/07/13 10:12	02/12/13 18:48	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*		*24 - 110*	*02/07/13 10:12*	*02/12/13 18:48*	*20*
2-Fluorophenol (Surr)	*68*		*24 - 110*	*02/07/13 10:12*	*02/12/13 18:48*	*20*
2,4,6-Tribromophenol (Surr)	*75*		*10 - 110*	*02/07/13 10:12*	*02/12/13 18:48*	*20*
Nitrobenzene-d5 (Surr)	*58*		*20 - 110*	*02/07/13 10:12*	*02/12/13 18:48*	*20*
Phenol-d5 (Surr)	*67*		*26 - 110*	*02/07/13 10:12*	*02/12/13 18:48*	*20*
Terphenyl-d14 (Surr)	*71*		*36 - 110*	*02/07/13 10:12*	*02/12/13 18:48*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	1000		390	220	mg/Kg	☼	02/07/13 10:08	02/13/13 22:25	20
Oil Range Organics (C20-C34)	5300		390	220	mg/Kg	☼	02/07/13 10:08	02/13/13 22:25	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*58*		*10 - 110*	*02/07/13 10:08*	*02/13/13 22:25*	*20*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS08/0.5-1.0

Lab Sample ID: 240-20668-16

Date Collected: 02/04/13 15:55
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 73.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Benzo[a]pyrene	ND		180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Benzo[b]fluoranthene	**140**	J	180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Benzo[g,h,i]perylene	ND		180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Benzo[k]fluoranthene	ND		180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Anthracene	ND		180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Chrysene	**700**		180	30	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Dibenz(a,h)anthracene	ND		180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Fluoranthene	**200**		180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Fluorene	**120**	J	180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Indeno[1,2,3-cd]pyrene	ND		180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Phenanthrene	ND		180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Pyrene	**880**		180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Acenaphthene	ND		180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Acenaphthylene	ND		180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20
Naphthalene	ND		180	89	ug/Kg	☼	02/07/13 10:12	02/12/13 18:05	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*24 - 110*	*02/07/13 10:12*	*02/12/13 18:05*	*20*
2-Fluorophenol (Surr)	*88*		*24 - 110*	*02/07/13 10:12*	*02/12/13 18:05*	*20*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 110*	*02/07/13 10:12*	*02/12/13 18:05*	*20*
Nitrobenzene-d5 (Surr)	*72*		*20 - 110*	*02/07/13 10:12*	*02/12/13 18:05*	*20*
Phenol-d5 (Surr)	*86*		*26 - 110*	*02/07/13 10:12*	*02/12/13 18:05*	*20*
Terphenyl-d14 (Surr)	*82*		*36 - 110*	*02/07/13 10:12*	*02/12/13 18:05*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	**870**		450	250	mg/Kg	☼	02/07/13 10:08	02/13/13 22:55	20
Oil Range Organics (C20-C34)	**6000**		450	250	mg/Kg	☼	02/07/13 10:08	02/13/13 22:55	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*64*		*10 - 110*	*02/07/13 10:08*	*02/13/13 22:55*	*20*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS08/2.0-2.5

Lab Sample ID: 240-20668-17

Date Collected: 02/04/13 16:00
Matrix: Solid
Date Received: 02/05/13 09:00
Percent Solids: 77.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Benzo[a]pyrene	ND		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Benzo[b]fluoranthene	ND		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Benzo[g,h,i]perylene	ND		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Benzo[k]fluoranthene	ND		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Anthracene	ND		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Chrysene	**160**		8.8	1.4	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Dibenz(a,h)anthracene	ND		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Fluoranthene	ND		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Fluorene	**23**		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Indeno[1,2,3-cd]pyrene	ND		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Phenanthrene	ND		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Pyrene	**82**		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Acenaphthene	**10**		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Acenaphthylene	ND		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1
Naphthalene	ND		8.8	4.3	ug/Kg	☼	02/07/13 10:12	02/12/13 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*47*		*24 - 110*	*02/07/13 10:12*	*02/12/13 15:53*	*1*
2-Fluorophenol (Surr)	*59*		*24 - 110*	*02/07/13 10:12*	*02/12/13 15:53*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*10 - 110*	*02/07/13 10:12*	*02/12/13 15:53*	*1*
Nitrobenzene-d5 (Surr)	*49*		*20 - 110*	*02/07/13 10:12*	*02/12/13 15:53*	*1*
Phenol-d5 (Surr)	*60*		*26 - 110*	*02/07/13 10:12*	*02/12/13 15:53*	*1*
Terphenyl-d14 (Surr)	*54*		*36 - 110*	*02/07/13 10:12*	*02/12/13 15:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	**280**	J	440	240	mg/Kg	☼	02/07/13 10:08	02/13/13 23:25	20
Oil Range Organics (C20-C34)	**2500**		440	240	mg/Kg	☼	02/07/13 10:08	02/13/13 23:25	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*40*		*10 - 110*	*02/07/13 10:08*	*02/13/13 23:25*	*20*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS08/4.5-5.0 | **Lab Sample ID: 240-20668-18**

Date Collected: 02/04/13 16:05 | **Matrix: Solid**

Date Received: 02/05/13 09:00 | **Percent Solids: 86.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Benzo[a]pyrene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Benzo[b]fluoranthene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Benzo[g,h,i]perylene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Benzo[k]fluoranthene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Anthracene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Chrysene	ND		390	64	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Dibenz(a,h)anthracene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Fluoranthene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Fluorene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Indeno[1,2,3-cd]pyrene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Phenanthrene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Pyrene	200	J	390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Acenaphthene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Acenaphthylene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50
Naphthalene	ND		390	190	ug/Kg	☼	02/08/13 10:53	02/12/13 19:33	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*24 - 110*	*02/08/13 10:53*	*02/12/13 19:33*	*50*
2-Fluorophenol (Surr)	*99*		*24 - 110*	*02/08/13 10:53*	*02/12/13 19:33*	*50*
2,4,6-Tribromophenol (Surr)	*164*	*X*	*10 - 110*	*02/08/13 10:53*	*02/12/13 19:33*	*50*
Nitrobenzene-d5 (Surr)	*67*		*20 - 110*	*02/08/13 10:53*	*02/12/13 19:33*	*50*
Phenol-d5 (Surr)	*92*		*26 - 110*	*02/08/13 10:53*	*02/12/13 19:33*	*50*
Terphenyl-d14 (Surr)	*93*		*36 - 110*	*02/08/13 10:53*	*02/12/13 19:33*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	370	J	390	220	mg/Kg	☼	02/07/13 10:08	02/13/13 23:54	20
Oil Range Organics (C20-C34)	3500		390	220	mg/Kg	☼	02/07/13 10:08	02/13/13 23:54	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*48*		*10 - 110*	*02/07/13 10:08*	*02/13/13 23:54*	*20*

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: RIN-03

Lab Sample ID: 240-20668-19

Date Collected: 02/04/13 09:05
Date Received: 02/05/13 09:00

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.1	ug/L			02/08/13 14:34	1
Benzene	ND		1.0	0.13	ug/L			02/08/13 14:34	1
Bromodichloromethane	ND		1.0	0.15	ug/L			02/08/13 14:34	1
Bromoform	ND		1.0	0.64	ug/L			02/08/13 14:34	1
Bromomethane	ND		1.0	0.41	ug/L			02/08/13 14:34	1
2-Butanone (MEK)	ND		10	0.57	ug/L			02/08/13 14:34	1
Carbon disulfide	**0.13**	**J**	1.0	0.13	ug/L			02/08/13 14:34	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			02/08/13 14:34	1
Chlorobenzene	ND		1.0	0.15	ug/L			02/08/13 14:34	1
Chloroethane	ND		1.0	0.29	ug/L			02/08/13 14:34	1
Chloroform	**0.63**	**J**	1.0	0.16	ug/L			02/08/13 14:34	1
Chloromethane	ND		1.0	0.30	ug/L			02/08/13 14:34	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			02/08/13 14:34	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			02/08/13 14:34	1
Dibromochloromethane	ND		1.0	0.18	ug/L			02/08/13 14:34	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			02/08/13 14:34	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			02/08/13 14:34	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			02/08/13 14:34	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			02/08/13 14:34	1
Ethylbenzene	ND		1.0	0.17	ug/L			02/08/13 14:34	1
2-Hexanone	ND		10	0.41	ug/L			02/08/13 14:34	1
Methylene Chloride	ND		1.0	0.33	ug/L			02/08/13 14:34	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			02/08/13 14:34	1
Styrene	ND		1.0	0.11	ug/L			02/08/13 14:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			02/08/13 14:34	1
Tetrachloroethene	ND		1.0	0.29	ug/L			02/08/13 14:34	1
Toluene	ND		1.0	0.13	ug/L			02/08/13 14:34	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			02/08/13 14:34	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			02/08/13 14:34	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			02/08/13 14:34	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			02/08/13 14:34	1
Trichloroethene	ND		1.0	0.17	ug/L			02/08/13 14:34	1
Vinyl chloride	ND		1.0	0.22	ug/L			02/08/13 14:34	1
Xylenes, Total	ND		2.0	0.28	ug/L			02/08/13 14:34	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			02/08/13 14:34	1
n-Hexane	ND		1.0	0.26	ug/L			02/08/13 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*02/08/13 14:34*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 121*		*02/08/13 14:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*		*02/08/13 14:34*	*1*
Toluene-d8 (Surr)	*87*		*74 - 115*		*02/08/13 14:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Acenaphthylene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Anthracene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Benzo[a]anthracene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Benzo[a]pyrene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1

Client Sample ID: RIN-03

Lab Sample ID: 240-20668-19

Date Collected: 02/04/13 09:05

Matrix: Water

Date Received: 02/05/13 09:00

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	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Benzo[g,h,i]perylene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Benzo[k]fluoranthene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Bis(2-chloroethoxy)methane	ND		0.98	0.31	ug/L		02/06/13 10:10	02/11/13 13:58	1
Bis(2-chloroethyl)ether	ND		0.98	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Bis(2-ethylhexyl) phthalate	**0.98**	**J B**	2.0	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
4-Bromophenyl phenyl ether	ND		2.0	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
Butyl benzyl phthalate	ND		0.98	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
4-Chloroaniline	ND		2.0	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
4-Chloro-3-methylphenol	ND		2.0	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
2-Chloronaphthalene	ND		0.98	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
2-Chlorophenol	ND		0.98	0.28	ug/L		02/06/13 10:10	02/11/13 13:58	1
4-Chlorophenyl phenyl ether	ND		2.0	0.29	ug/L		02/06/13 10:10	02/11/13 13:58	1
Chrysene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Dibenz(a,h)anthracene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Dibenzofuran	ND		0.98	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
1,2-Dichlorobenzene	ND		0.98	0.28	ug/L		02/06/13 10:10	02/11/13 13:58	1
1,3-Dichlorobenzene	ND		0.98	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
1,4-Dichlorobenzene	ND		0.98	0.33	ug/L		02/06/13 10:10	02/11/13 13:58	1
3,3'-Dichlorobenzidine	ND		4.9	0.36	ug/L		02/06/13 10:10	02/11/13 13:58	1
2,4-Dichlorophenol	ND		2.0	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
Diethyl phthalate	ND		0.98	0.59	ug/L		02/06/13 10:10	02/11/13 13:58	1
2,4-Dimethylphenol	ND		2.0	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
Dimethyl phthalate	ND		0.98	0.28	ug/L		02/06/13 10:10	02/11/13 13:58	1
Di-n-butyl phthalate	ND		0.98	0.66	ug/L		02/06/13 10:10	02/11/13 13:58	1
4,6-Dinitro-2-methylphenol	ND		4.9	2.4	ug/L		02/06/13 10:10	02/11/13 13:58	1
2,4-Dinitrophenol	ND		4.9	2.4	ug/L		02/06/13 10:10	02/11/13 13:58	1
2,4-Dinitrotoluene	ND		4.9	0.26	ug/L		02/06/13 10:10	02/11/13 13:58	1
2,6-Dinitrotoluene	ND		4.9	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
Di-n-octyl phthalate	ND		0.98	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
Fluoranthene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Fluorene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Hexachlorobenzene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Hexachlorobutadiene	ND		0.98	0.26	ug/L		02/06/13 10:10	02/11/13 13:58	1
Hexachlorocyclopentadiene	ND		9.8	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
Hexachloroethane	ND		0.98	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Isophorone	ND		0.98	0.26	ug/L		02/06/13 10:10	02/11/13 13:58	1
2-Methylnaphthalene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
2-Methylphenol	ND		0.98	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
3 & 4 Methylphenol	ND		2.0	0.74	ug/L		02/06/13 10:10	02/11/13 13:58	1
Naphthalene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
2-Nitroaniline	ND		2.0	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
3-Nitroaniline	ND		2.0	0.27	ug/L		02/06/13 10:10	02/11/13 13:58	1
4-Nitroaniline	ND		2.0	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1
Nitrobenzene	ND		0.98	0.039	ug/L		02/06/13 10:10	02/11/13 13:58	1
2-Nitrophenol	ND		2.0	0.27	ug/L		02/06/13 10:10	02/11/13 13:58	1
4-Nitrophenol	ND		4.9	2.4	ug/L		02/06/13 10:10	02/11/13 13:58	1
N-Nitrosodi-n-propylamine	ND		0.98	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1

Client Sample ID: RIN-03

Date Collected: 02/04/13 09:05
Date Received: 02/05/13 09:00

Lab Sample ID: 240-20668-19

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		0.98	0.30	ug/L		02/06/13 10:10	02/11/13 13:58	1
2,2'-oxybis[1-chloropropane]	ND		0.98	0.39	ug/L		02/06/13 10:10	02/11/13 13:58	1
Pentachlorophenol	ND		4.9	2.4	ug/L		02/06/13 10:10	02/11/13 13:58	1
Phenanthrene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
Phenol	ND		0.98	0.59	ug/L		02/06/13 10:10	02/11/13 13:58	1
Pyrene	ND		0.20	0.098	ug/L		02/06/13 10:10	02/11/13 13:58	1
1,2,4-Trichlorobenzene	ND		0.98	0.27	ug/L		02/06/13 10:10	02/11/13 13:58	1
2,4,5-Trichlorophenol	ND		4.9	0.29	ug/L		02/06/13 10:10	02/11/13 13:58	1
2,4,6-Trichlorophenol	ND		4.9	0.78	ug/L		02/06/13 10:10	02/11/13 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*20 - 110*	*02/06/13 10:10*	*02/11/13 13:58*	*1*
2-Fluorophenol (Surr)	*69*		*10 - 110*	*02/06/13 10:10*	*02/11/13 13:58*	*1*
Nitrobenzene-d5 (Surr)	*59*		*21 - 110*	*02/06/13 10:10*	*02/11/13 13:58*	*1*
Phenol-d5 (Surr)	*71*		*21 - 110*	*02/06/13 10:10*	*02/11/13 13:58*	*1*
Terphenyl-d14 (Surr)	*85*		*24 - 110*	*02/06/13 10:10*	*02/11/13 13:58*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*21 - 110*	*02/06/13 10:10*	*02/11/13 13:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		0.56	0.19	ug/L		02/06/13 10:27	02/07/13 14:03	1
Aroclor 1221	ND		0.56	0.14	ug/L		02/06/13 10:27	02/07/13 14:03	1
Aroclor 1232	ND		0.56	0.18	ug/L		02/06/13 10:27	02/07/13 14:03	1
Aroclor 1242	ND		0.56	0.24	ug/L		02/06/13 10:27	02/07/13 14:03	1
Aroclor 1248	ND		0.56	0.11	ug/L		02/06/13 10:27	02/07/13 14:03	1
Aroclor 1254	ND		0.56	0.18	ug/L		02/06/13 10:27	02/07/13 14:03	1
Aroclor 1260	ND		0.56	0.19	ug/L		02/06/13 10:27	02/07/13 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*23 - 136*	*02/06/13 10:27*	*02/07/13 14:03*	*1*
DCB Decachlorobiphenyl	*45*		*10 - 130*	*02/06/13 10:27*	*02/07/13 14:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		200	0.67	ug/L		02/06/13 08:05	02/07/13 13:17	1
Cadmium	ND		2.0	0.66	ug/L		02/06/13 08:05	02/07/13 13:17	1
Chromium	ND		5.0	2.2	ug/L		02/06/13 08:05	02/07/13 13:17	1
Silver	ND		5.0	2.2	ug/L		02/06/13 08:05	02/07/13 13:17	1
Arsenic	ND		10	3.2	ug/L		02/06/13 08:05	02/07/13 13:17	1
Lead	ND		3.0	1.9	ug/L		02/06/13 08:05	02/07/13 13:17	1
Selenium	ND		5.0	4.1	ug/L		02/06/13 08:05	02/07/13 13:17	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		02/06/13 14:55	02/06/13 18:09	1

Client Sample Results

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: TB-05

Lab Sample ID: 240-20668-20

Date Collected: 02/04/13 00:00
Date Received: 02/05/13 09:00

Matrix: Water

8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**16**		10	1.1	ug/L			02/08/13 14:56	1
Benzene	ND		1.0	0.13	ug/L			02/08/13 14:56	1
Bromodichloromethane	ND		1.0	0.15	ug/L			02/08/13 14:56	1
Bromoform	ND		1.0	0.64	ug/L			02/08/13 14:56	1
Bromomethane	ND		1.0	0.41	ug/L			02/08/13 14:56	1
2-Butanone (MEK)	**0.61**	J	10	0.57	ug/L			02/08/13 14:56	1
Carbon disulfide	ND		1.0	0.13	ug/L			02/08/13 14:56	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			02/08/13 14:56	1
Chlorobenzene	ND		1.0	0.15	ug/L			02/08/13 14:56	1
Chloroethane	ND		1.0	0.29	ug/L			02/08/13 14:56	1
Chloroform	ND		1.0	0.16	ug/L			02/08/13 14:56	1
Chloromethane	ND		1.0	0.30	ug/L			02/08/13 14:56	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			02/08/13 14:56	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			02/08/13 14:56	1
Dibromochloromethane	ND		1.0	0.18	ug/L			02/08/13 14:56	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			02/08/13 14:56	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			02/08/13 14:56	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			02/08/13 14:56	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			02/08/13 14:56	1
Ethylbenzene	ND		1.0	0.17	ug/L			02/08/13 14:56	1
2-Hexanone	ND		10	0.41	ug/L			02/08/13 14:56	1
Methylene Chloride	ND		1.0	0.33	ug/L			02/08/13 14:56	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			02/08/13 14:56	1
Styrene	ND		1.0	0.11	ug/L			02/08/13 14:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			02/08/13 14:56	1
Tetrachloroethene	ND		1.0	0.29	ug/L			02/08/13 14:56	1
Toluene	ND		1.0	0.13	ug/L			02/08/13 14:56	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			02/08/13 14:56	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			02/08/13 14:56	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			02/08/13 14:56	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			02/08/13 14:56	1
Trichloroethene	ND		1.0	0.17	ug/L			02/08/13 14:56	1
Vinyl chloride	ND		1.0	0.22	ug/L			02/08/13 14:56	1
Xylenes, Total	ND		2.0	0.28	ug/L			02/08/13 14:56	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			02/08/13 14:56	1
n-Hexane	ND		1.0	0.26	ug/L			02/08/13 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*02/08/13 14:56*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 121*		*02/08/13 14:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 129*		*02/08/13 14:56*	*1*
Toluene-d8 (Surr)	*88*		*74 - 115*		*02/08/13 14:56*	*1*

Surrogate Summary

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

TestAmerica Job ID: 240-20668-1

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)
240-20668-19	RIN-03	79	96	96	87
240-20668-20	TB-05	79	99	100	88
LCS 240-74746/4	Lab Control Sample	96	94	89	93
MB 240-74746/5	Method Blank	80	91	92	87

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)
240-20668-1	IA07-SS03/0.5-1.0	0 X	0 X	0 X	0 X	0 X	0 X
240-20668-2	IA07-SS03/1.5-2.0	63	88	135 X	77	78	76
240-20668-3	IA07-SS03/3.5-4.0	59	79	59	63	79	72
240-20668-4	IA07-SS04/0.5-1.0	47	60	50	47	60	59
240-20668-5	IA07-SS04/2.0-2.5	48	64	53	52	62	59
240-20668-6	IA07-SS04/3.5-4.0	73	91	0 X	75	88	115 X
240-20668-7	IA07-SS05/0.5-1.0	43	60	49	50	59	52
240-20668-8	IA07-SS05/3.5-4.0	45	64	47	52	63	56
240-20668-9	IA07-SS05/4.5-5.0	50	67	43	55	66	61
240-20668-10	IA07-SS06/0.5-1.0	48	63	55	50	62	61
240-20668-11	IA07-SS06/3.5-4.0	44	62	58	50	62	61
240-20668-12	IA07-SS06/4.5-5.0	81	87	106	82	89	89
240-20668-13	IA07-SS07/0.5-1.0	49	69	59	57	68	61
240-20668-14	IA07-SS07/2.0-2.5	62	85	87	66	82	73
240-20668-15	IA07-SS07/4.5-5	57	68	75	58	67	71
240-20668-16	IA07-SS08/0.5-1.0	66	88	98	72	86	82
240-20668-17	IA07-SS08/2.0-2.5	47	59	52	49	60	54
240-20668-18	IA07-SS08/4.5-5.0	73	99	164 X	67	92	93
LCS 240-74596/24-A	Lab Control Sample	46	63	55	52	63	57
LCS 240-74743/23-A	Lab Control Sample	66	78	80	62	78	83
MB 240-74596/23-A	Method Blank	46	58	39	50	60	59
MB 240-74743/24-A	Method Blank	56	67	49	55	69	85

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: 240-20668-1

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)
240-20668-19	RIN-03	61	69	59	71	85	74
LCS 240-74451/16-A	Lab Control Sample	73	91	77	94	81	96
MB 240-74451/15-A	Method Blank	78	98	81	100	92	91

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)
240-20668-1	IA07-SS03/0.5-1.0	103
240-20668-2	IA07-SS03/1.5-2.0	56
240-20668-3	IA07-SS03/3.5-4.0	48
240-20668-4	IA07-SS04/0.5-1.0	37
240-20668-5	IA07-SS04/2.0-2.5	53
240-20668-6	IA07-SS04/3.5-4.0	51
240-20668-7	IA07-SS05/0.5-1.0	45
240-20668-8	IA07-SS05/3.5-4.0	49
240-20668-9	IA07-SS05/4.5-5.0	47
240-20668-10	IA07-SS06/0.5-1.0	48
240-20668-11	IA07-SS06/3.5-4.0	47
240-20668-12	IA07-SS06/4.5-5.0	52
240-20668-13	IA07-SS07/0.5-1.0	46
240-20668-14	IA07-SS07/2.0-2.5	58
240-20668-15	IA07-SS07/4.5-5	58
240-20668-16	IA07-SS08/0.5-1.0	64
240-20668-17	IA07-SS08/2.0-2.5	40
240-20668-18	IA07-SS08/4.5-5.0	48
LCS 240-74594/23-A	Lab Control Sample	49
MB 240-74594/22-A	Method Blank	49

Surrogate Legend

C9 = n-Nonane

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)
240-20668-19	RIN-03	83	45
LCS 240-74457/3-A	Lab Control Sample	91	78

Surrogate Summary

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

TestAmerica Job ID: 240-20668-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCX2 (23-136)	DCB2 (10-130)						
MB 240-74457/2-A	Method Blank	90	84						

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

9

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

Lab Sample ID: MB 240-74746/5
Matrix: Water
Analysis Batch: 74746

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			02/08/13 13:28	1
Benzene	ND		1.0	0.13	ug/L			02/08/13 13:28	1
Bromodichloromethane	ND		1.0	0.15	ug/L			02/08/13 13:28	1
Bromoform	ND		1.0	0.64	ug/L			02/08/13 13:28	1
Bromomethane	ND		1.0	0.41	ug/L			02/08/13 13:28	1
2-Butanone (MEK)	ND		10	0.57	ug/L			02/08/13 13:28	1
Carbon disulfide	ND		1.0	0.13	ug/L			02/08/13 13:28	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			02/08/13 13:28	1
Chlorobenzene	ND		1.0	0.15	ug/L			02/08/13 13:28	1
Chloroethane	ND		1.0	0.29	ug/L			02/08/13 13:28	1
Chloroform	ND		1.0	0.16	ug/L			02/08/13 13:28	1
Chloromethane	ND		1.0	0.30	ug/L			02/08/13 13:28	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			02/08/13 13:28	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			02/08/13 13:28	1
Dibromochloromethane	ND		1.0	0.18	ug/L			02/08/13 13:28	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			02/08/13 13:28	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			02/08/13 13:28	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			02/08/13 13:28	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			02/08/13 13:28	1
Ethylbenzene	ND		1.0	0.17	ug/L			02/08/13 13:28	1
2-Hexanone	ND		10	0.41	ug/L			02/08/13 13:28	1
Methylene Chloride	ND		1.0	0.33	ug/L			02/08/13 13:28	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			02/08/13 13:28	1
Styrene	ND		1.0	0.11	ug/L			02/08/13 13:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			02/08/13 13:28	1
Tetrachloroethene	ND		1.0	0.29	ug/L			02/08/13 13:28	1
Toluene	ND		1.0	0.13	ug/L			02/08/13 13:28	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			02/08/13 13:28	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			02/08/13 13:28	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			02/08/13 13:28	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			02/08/13 13:28	1
Trichloroethene	ND		1.0	0.17	ug/L			02/08/13 13:28	1
Vinyl chloride	ND		1.0	0.22	ug/L			02/08/13 13:28	1
Xylenes, Total	ND		2.0	0.28	ug/L			02/08/13 13:28	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			02/08/13 13:28	1
n-Hexane	ND		1.0	0.26	ug/L			02/08/13 13:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*66 - 117*		*02/08/13 13:28*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 121*		*02/08/13 13:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 129*		*02/08/13 13:28*	*1*
Toluene-d8 (Surr)	*87*		*74 - 115*		*02/08/13 13:28*	*1*

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

Lab Sample ID: LCS 240-74746/4
Matrix: Water
Analysis Batch: 74746

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	16.7		ug/L		84	43 - 136
Benzene	10.0	9.73		ug/L		97	83 - 112
Bromodichloromethane	10.0	9.63		ug/L		96	72 - 121
Bromoform	10.0	9.10		ug/L		91	40 - 131
Bromomethane	10.0	10.1		ug/L		101	11 - 185
2-Butanone (MEK)	20.0	16.2		ug/L		81	60 - 126
Carbon disulfide	10.0	9.97		ug/L		100	62 - 142
Carbon tetrachloride	10.0	10.5		ug/L		105	66 - 128
Chlorobenzene	10.0	9.44		ug/L		94	85 - 110
Chloroethane	10.0	10.4		ug/L		104	25 - 153
Chloroform	10.0	9.40		ug/L		94	79 - 117
Chloromethane	10.0	10.4		ug/L		104	44 - 126
cis-1,2-Dichloroethene	10.0	9.76		ug/L		98	80 - 113
cis-1,3-Dichloropropene	10.0	8.88		ug/L		89	61 - 115
Dibromochloromethane	10.0	9.35		ug/L		93	64 - 119
1,1-Dichloroethane	10.0	9.71		ug/L		97	82 - 115
1,2-Dichloroethane	10.0	9.37		ug/L		94	71 - 127
1,1-Dichloroethene	10.0	10.6		ug/L		106	78 - 131
1,2-Dichloropropane	10.0	9.55		ug/L		96	81 - 115
Ethylbenzene	10.0	9.65		ug/L		96	83 - 112
2-Hexanone	20.0	16.7		ug/L		83	55 - 133
Methylene Chloride	10.0	9.70		ug/L		97	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	16.9		ug/L		85	63 - 128
Styrene	10.0	9.99		ug/L		100	79 - 114
1,1,2,2-Tetrachloroethane	10.0	8.78		ug/L		88	68 - 118
Tetrachloroethene	10.0	9.40		ug/L		94	79 - 114
Toluene	10.0	9.29		ug/L		93	84 - 111
trans-1,2-Dichloroethene	10.0	10.3		ug/L		103	83 - 117
trans-1,3-Dichloropropene	10.0	8.80		ug/L		88	58 - 117
1,1,1-Trichloroethane	10.0	9.47		ug/L		95	74 - 118
1,1,2-Trichloroethane	10.0	9.34		ug/L		93	80 - 112
Trichloroethene	10.0	9.85		ug/L		99	76 - 117
Vinyl chloride	10.0	10.6		ug/L		106	53 - 127
Xylenes, Total	30.0	29.3		ug/L		98	83 - 112
Methyl tert-butyl ether	10.0	8.65		ug/L		87	52 - 144
n-Hexane	10.0	10.9		ug/L		109	66 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*66 - 117*
Dibromofluoromethane (Surr)	*94*		*75 - 121*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*
Toluene-d8 (Surr)	*93*		*74 - 115*

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

Lab Sample ID: MB 240-74451/15-A
Matrix: Water
Analysis Batch: 74879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74451

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Benzo[a]pyrene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		02/06/13 10:10	02/11/13 11:40	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Anthracene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Bis(2-ethylhexyl) phthalate	1.39	J	2.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
4-Bromophenyl phenyl ether	ND		2.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
Butyl benzyl phthalate	ND		1.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
4-Chloroaniline	ND		2.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
4-Chloro-3-methylphenol	ND		2.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
2-Chlorophenol	ND		1.0	0.29	ug/L		02/06/13 10:10	02/11/13 11:40	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		02/06/13 10:10	02/11/13 11:40	1
Chrysene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Acenaphthene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Dibenz(a,h)anthracene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Acenaphthylene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Dibenzofuran	ND		1.0	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
1,2-Dichlorobenzene	ND		1.0	0.29	ug/L		02/06/13 10:10	02/11/13 11:40	1
1,3-Dichlorobenzene	ND		1.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
1,4-Dichlorobenzene	ND		1.0	0.34	ug/L		02/06/13 10:10	02/11/13 11:40	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		02/06/13 10:10	02/11/13 11:40	1
2,4-Dichlorophenol	ND		2.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
Diethyl phthalate	ND		1.0	0.60	ug/L		02/06/13 10:10	02/11/13 11:40	1
2,4-Dimethylphenol	ND		2.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
Dimethyl phthalate	ND		1.0	0.29	ug/L		02/06/13 10:10	02/11/13 11:40	1
Di-n-butyl phthalate	ND		1.0	0.67	ug/L		02/06/13 10:10	02/11/13 11:40	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		02/06/13 10:10	02/11/13 11:40	1
2,4-Dinitrophenol	ND		5.0	2.4	ug/L		02/06/13 10:10	02/11/13 11:40	1
2,4-Dinitrotoluene	ND		5.0	0.27	ug/L		02/06/13 10:10	02/11/13 11:40	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
Di-n-octyl phthalate	ND		1.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
Fluoranthene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Fluorene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Hexachlorobenzene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		02/06/13 10:10	02/11/13 11:40	1
Hexachlorocyclopentadiene	ND		10	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
Hexachloroethane	ND		1.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Isophorone	ND		1.0	0.27	ug/L		02/06/13 10:10	02/11/13 11:40	1
2-Methylnaphthalene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
2-Methylphenol	ND		1.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
3 & 4 Methylphenol	ND		2.0	0.75	ug/L		02/06/13 10:10	02/11/13 11:40	1
Naphthalene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
2-Nitroaniline	ND		2.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1

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

Lab Sample ID: MB 240-74451/15-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 74879 — **Prep Batch: 74451**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		2.0	0.28	ug/L		02/06/13 10:10	02/11/13 11:40	1
4-Nitroaniline	ND		2.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
Nitrobenzene	ND		1.0	0.040	ug/L		02/06/13 10:10	02/11/13 11:40	1
2-Nitrophenol	ND		2.0	0.28	ug/L		02/06/13 10:10	02/11/13 11:40	1
4-Nitrophenol	ND		5.0	2.4	ug/L		02/06/13 10:10	02/11/13 11:40	1
N-Nitrosodi-n-propylamine	ND		1.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		02/06/13 10:10	02/11/13 11:40	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		02/06/13 10:10	02/11/13 11:40	1
Pentachlorophenol	ND		5.0	2.4	ug/L		02/06/13 10:10	02/11/13 11:40	1
Phenanthrene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
Phenol	ND		1.0	0.60	ug/L		02/06/13 10:10	02/11/13 11:40	1
Pyrene	ND		0.20	0.10	ug/L		02/06/13 10:10	02/11/13 11:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.28	ug/L		02/06/13 10:10	02/11/13 11:40	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		02/06/13 10:10	02/11/13 11:40	1
2,4,6-Trichlorophenol	ND		5.0	0.80	ug/L		02/06/13 10:10	02/11/13 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*20 - 110*	*02/06/13 10:10*	*02/11/13 11:40*	*1*
2-Fluorophenol (Surr)	*98*		*10 - 110*	*02/06/13 10:10*	*02/11/13 11:40*	*1*
Nitrobenzene-d5 (Surr)	*81*		*21 - 110*	*02/06/13 10:10*	*02/11/13 11:40*	*1*
Phenol-d5 (Surr)	*100*		*21 - 110*	*02/06/13 10:10*	*02/11/13 11:40*	*1*
Terphenyl-d14 (Surr)	*92*		*24 - 110*	*02/06/13 10:10*	*02/11/13 11:40*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*21 - 110*	*02/06/13 10:10*	*02/11/13 11:40*	*1*

Lab Sample ID: LCS 240-74451/16-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 74879 — **Prep Batch: 74451**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	20.0	17.7		ug/L		89	52 - 110
Benzo[a]pyrene	20.0	13.8		ug/L		69	44 - 110
Benzo[b]fluoranthene	20.0	17.8		ug/L		89	48 - 110
Benzo[g,h,i]perylene	20.0	17.1		ug/L		86	50 - 110
Benzo[k]fluoranthene	20.0	16.7		ug/L		83	49 - 110
Bis(2-chloroethoxy)methane	20.0	14.7		ug/L		74	43 - 110
Bis(2-chloroethyl)ether	20.0	14.2		ug/L		71	40 - 110
Anthracene	20.0	18.5		ug/L		92	52 - 110
Bis(2-ethylhexyl) phthalate	20.0	16.7		ug/L		83	39 - 116
4-Bromophenyl phenyl ether	20.0	15.3		ug/L		77	45 - 110
Butyl benzyl phthalate	20.0	17.7		ug/L		88	55 - 110
4-Chloroaniline	20.0	17.1		ug/L		86	44 - 110
4-Chloro-3-methylphenol	20.0	19.6		ug/L		98	52 - 110
2-Chloronaphthalene	20.0	14.4		ug/L		72	43 - 110
2-Chlorophenol	20.0	18.6		ug/L		93	29 - 110
4-Chlorophenyl phenyl ether	20.0	15.7		ug/L		78	47 - 110
Chrysene	20.0	18.4		ug/L		92	55 - 110
Acenaphthene	20.0	18.1		ug/L		90	47 - 110
Dibenz(a,h)anthracene	20.0	16.0		ug/L		80	49 - 110

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

Lab Sample ID: LCS 240-74451/16-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 74879 — **Prep Batch: 74451**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	20.0	19.1		ug/L		96	49 - 110
Dibenzofuran	20.0	19.3		ug/L		96	51 - 110
1,2-Dichlorobenzene	20.0	13.7		ug/L		68	38 - 110
1,3-Dichlorobenzene	20.0	12.9		ug/L		64	35 - 110
1,4-Dichlorobenzene	20.0	15.3		ug/L		76	39 - 110
3,3'-Dichlorobenzidine	20.0	9.90		ug/L		50	22 - 110
2,4-Dichlorophenol	20.0	19.9		ug/L		99	41 - 110
Diethyl phthalate	20.0	19.6		ug/L		98	58 - 110
2,4-Dimethylphenol	20.0	12.9		ug/L		64	32 - 110
Dimethyl phthalate	20.0	20.0		ug/L		100	57 - 110
Di-n-butyl phthalate	20.0	20.2		ug/L		101	57 - 110
4,6-Dinitro-2-methylphenol	20.0	18.8		ug/L		94	31 - 110
2,4-Dinitrophenol	20.0	18.8		ug/L		94	10 - 110
2,4-Dinitrotoluene	20.0	16.9		ug/L		85	53 - 110
2,6-Dinitrotoluene	20.0	17.0		ug/L		85	54 - 110
Di-n-octyl phthalate	20.0	15.2		ug/L		76	40 - 110
Fluoranthene	20.0	19.9		ug/L		99	54 - 110
Fluorene	20.0	19.3		ug/L		96	52 - 110
Hexachlorobenzene	20.0	15.7		ug/L		78	50 - 110
Hexachlorobutadiene	20.0	12.9		ug/L		65	33 - 110
Hexachlorocyclopentadiene	20.0	2.09	J	ug/L		10	10 - 110
Hexachloroethane	20.0	12.3		ug/L		61	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	15.6		ug/L		78	50 - 110
Isophorone	20.0	18.1		ug/L		90	49 - 110
2-Methylnaphthalene	20.0	18.6		ug/L		93	45 - 110
2-Methylphenol	20.0	17.9		ug/L		89	42 - 110
3 & 4 Methylphenol	40.0	36.8		ug/L		92	44 - 110
Naphthalene	20.0	17.8		ug/L		89	44 - 110
2-Nitroaniline	20.0	18.7		ug/L		93	54 - 110
3-Nitroaniline	20.0	19.2		ug/L		96	53 - 110
4-Nitroaniline	20.0	21.0		ug/L		105	54 - 110
Nitrobenzene	20.0	15.0		ug/L		75	42 - 110
2-Nitrophenol	20.0	18.5		ug/L		92	40 - 110
4-Nitrophenol	20.0	19.7		ug/L		99	33 - 112
N-Nitrosodi-n-propylamine	20.0	17.5		ug/L		88	47 - 110
N-Nitrosodiphenylamine	20.0	18.1		ug/L		90	50 - 110
2,2'-oxybis[1-chloropropane]	20.0	13.4		ug/L		67	37 - 110
Pentachlorophenol	20.0	16.6		ug/L		83	18 - 110
Phenanthrene	20.0	18.3		ug/L		92	53 - 110
Phenol	20.0	18.6		ug/L		93	33 - 110
Pyrene	20.0	18.2		ug/L		91	52 - 110
1,2,4-Trichlorobenzene	20.0	13.1		ug/L		65	35 - 110
2,4,5-Trichlorophenol	20.0	20.6		ug/L		103	48 - 110
2,4,6-Trichlorophenol	20.0	20.9		ug/L		105	45 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*73*		*20 - 110*
2-Fluorophenol (Surr)	*91*		*10 - 110*

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

Lab Sample ID: LCS 240-74451/16-A
Matrix: Water
Analysis Batch: 74879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74451

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*77*		*21 - 110*
Phenol-d5 (Surr)	*94*		*21 - 110*
Terphenyl-d14 (Surr)	*81*		*24 - 110*
2,4,6-Tribromophenol (Surr)	*96*		*21 - 110*

Lab Sample ID: MB 240-74596/23-A
Matrix: Solid
Analysis Batch: 74975

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74596

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Benzo[a]pyrene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Benzo[b]fluoranthene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Benzo[g,h,i]perylene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Benzo[k]fluoranthene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Anthracene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Chrysene	ND		6.7	1.1	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Acenaphthene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Dibenz(a,h)anthracene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Acenaphthylene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Fluoranthene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Fluorene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Indeno[1,2,3-cd]pyrene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Naphthalene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Phenanthrene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1
Pyrene	ND		6.7	3.3	ug/Kg		02/07/13 10:12	02/12/13 08:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*46*		*24 - 110*	*02/07/13 10:12*	*02/12/13 08:36*	*1*
2-Fluorophenol (Surr)	*58*		*24 - 110*	*02/07/13 10:12*	*02/12/13 08:36*	*1*
Nitrobenzene-d5 (Surr)	*50*		*20 - 110*	*02/07/13 10:12*	*02/12/13 08:36*	*1*
Phenol-d5 (Surr)	*60*		*26 - 110*	*02/07/13 10:12*	*02/12/13 08:36*	*1*
Terphenyl-d14 (Surr)	*59*		*36 - 110*	*02/07/13 10:12*	*02/12/13 08:36*	*1*
2,4,6-Tribromophenol (Surr)	*39*		*10 - 110*	*02/07/13 10:12*	*02/12/13 08:36*	*1*

Lab Sample ID: LCS 240-74596/24-A
Matrix: Solid
Analysis Batch: 74975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	667	427		ug/Kg		64	50 - 110
Benzo[a]pyrene	667	416		ug/Kg		62	44 - 110
Benzo[b]fluoranthene	667	456		ug/Kg		68	43 - 110
Benzo[g,h,i]perylene	667	452		ug/Kg		68	51 - 110
Benzo[k]fluoranthene	667	431		ug/Kg		65	38 - 105
Anthracene	667	434		ug/Kg		65	48 - 110
Chrysene	667	445		ug/Kg		67	50 - 110
Acenaphthene	667	394		ug/Kg		59	38 - 110

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

Lab Sample ID: LCS 240-74596/24-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74975 — **Prep Batch: 74596**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	667	459		ug/Kg		69	51 - 110
Acenaphthylene	667	408		ug/Kg		61	40 - 110
Fluoranthene	667	446		ug/Kg		67	51 - 110
Fluorene	667	418		ug/Kg		63	46 - 110
Indeno[1,2,3-cd]pyrene	667	436		ug/Kg		65	50 - 110
Naphthalene	667	390		ug/Kg		59	36 - 110
Phenanthrene	667	420		ug/Kg		63	49 - 110
Pyrene	667	436		ug/Kg		65	49 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*46*		*24 - 110*
2-Fluorophenol (Surr)	*63*		*24 - 110*
Nitrobenzene-d5 (Surr)	*52*		*20 - 110*
Phenol-d5 (Surr)	*63*		*26 - 110*
Terphenyl-d14 (Surr)	*57*		*36 - 110*
2,4,6-Tribromophenol (Surr)	*55*		*10 - 110*

Lab Sample ID: MB 240-74743/24-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74990 — **Prep Batch: 74743**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Benzo[a]pyrene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Benzo[b]fluoranthene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Benzo[g,h,i]perylene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Benzo[k]fluoranthene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Anthracene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Chrysene	ND		6.7	1.1	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Acenaphthene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Dibenz(a,h)anthracene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Acenaphthylene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Fluoranthene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Fluorene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Indeno[1,2,3-cd]pyrene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Naphthalene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Phenanthrene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1
Pyrene	ND		6.7	3.3	ug/Kg		02/08/13 10:53	02/12/13 12:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*		*24 - 110*	*02/08/13 10:53*	*02/12/13 12:16*	*1*
2-Fluorophenol (Surr)	*67*		*24 - 110*	*02/08/13 10:53*	*02/12/13 12:16*	*1*
Nitrobenzene-d5 (Surr)	*55*		*20 - 110*	*02/08/13 10:53*	*02/12/13 12:16*	*1*
Phenol-d5 (Surr)	*69*		*26 - 110*	*02/08/13 10:53*	*02/12/13 12:16*	*1*
Terphenyl-d14 (Surr)	*85*		*36 - 110*	*02/08/13 10:53*	*02/12/13 12:16*	*1*
2,4,6-Tribromophenol (Surr)	*49*		*10 - 110*	*02/08/13 10:53*	*02/12/13 12:16*	*1*

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

Lab Sample ID: LCS 240-74743/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74990 — **Prep Batch: 74743**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	667	607		ug/Kg		91	50 - 110
Benzo[a]pyrene	667	547		ug/Kg		82	44 - 110
Benzo[b]fluoranthene	667	647		ug/Kg		97	43 - 110
Benzo[g,h,i]perylene	667	637		ug/Kg		95	51 - 110
Benzo[k]fluoranthene	667	647		ug/Kg		97	38 - 105
Anthracene	667	589		ug/Kg		88	48 - 110
Chrysene	667	617		ug/Kg		93	50 - 110
Acenaphthene	667	560		ug/Kg		84	38 - 110
Dibenz(a,h)anthracene	667	598		ug/Kg		90	51 - 110
Acenaphthylene	667	574		ug/Kg		86	40 - 110
Fluoranthene	667	627		ug/Kg		94	51 - 110
Fluorene	667	594		ug/Kg		89	46 - 110
Indeno[1,2,3-cd]pyrene	667	573		ug/Kg		86	50 - 110
Naphthalene	667	519		ug/Kg		78	36 - 110
Phenanthrene	667	572		ug/Kg		86	49 - 110
Pyrene	667	635		ug/Kg		95	49 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*66*		*24 - 110*
2-Fluorophenol (Surr)	*78*		*24 - 110*
Nitrobenzene-d5 (Surr)	*62*		*20 - 110*
Phenol-d5 (Surr)	*78*		*26 - 110*
Terphenyl-d14 (Surr)	*83*		*36 - 110*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 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*

QC Sample Results

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

TestAmerica Job ID: 240-20668-1

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

Lab Sample ID: MB 240-74457/2-A
Matrix: Water
Analysis Batch: 74640

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		0.50	0.17	ug/L		02/06/13 10:27	02/07/13 14:17	1
Aroclor 1221	ND		0.50	0.13	ug/L		02/06/13 10:27	02/07/13 14:17	1
Aroclor 1232	ND		0.50	0.16	ug/L		02/06/13 10:27	02/07/13 14:17	1
Aroclor 1242	ND		0.50	0.22	ug/L		02/06/13 10:27	02/07/13 14:17	1
Aroclor 1248	ND		0.50	0.10	ug/L		02/06/13 10:27	02/07/13 14:17	1
Aroclor 1254	ND		0.50	0.16	ug/L		02/06/13 10:27	02/07/13 14:17	1
Aroclor 1260	ND		0.50	0.17	ug/L		02/06/13 10:27	02/07/13 14:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*23 - 136*	*02/06/13 10:27*	*02/07/13 14:17*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 130*	*02/06/13 10:27*	*02/07/13 14:17*	*1*

Lab Sample ID: LCS 240-74457/3-A
Matrix: Water
Analysis Batch: 74640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	5.00	4.72		ug/L		94	66 - 120
Aroclor 1260	5.00	4.51		ug/L		90	55 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*91*		*23 - 136*
DCB Decachlorobiphenyl	*78*		*10 - 130*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-74425/1-A
Matrix: Water
Analysis Batch: 74569

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 74425

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.808	J	200	0.67	ug/L		02/06/13 08:05	02/07/13 11:44	1
Cadmium	ND		2.0	0.66	ug/L		02/06/13 08:05	02/07/13 11:44	1
Chromium	ND		5.0	2.2	ug/L		02/06/13 08:05	02/07/13 11:44	1
Silver	ND		5.0	2.2	ug/L		02/06/13 08:05	02/07/13 11:44	1
Arsenic	ND		10	3.2	ug/L		02/06/13 08:05	02/07/13 11:44	1
Lead	ND		3.0	1.9	ug/L		02/06/13 08:05	02/07/13 11:44	1
Selenium	ND		5.0	4.1	ug/L		02/06/13 08:05	02/07/13 11:44	1

Lab Sample ID: LCS 240-74425/2-A
Matrix: Water
Analysis Batch: 74569

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 74425

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	2000	1800		ug/L		90	80 - 120
Cadmium	50.0	48.0		ug/L		96	80 - 120
Chromium	200	186		ug/L		93	80 - 120

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

Lab Sample ID: LCS 240-74425/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 74569 — **Prep Batch: 74425**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	50.0	48.3		ug/L		97	80 - 120
Arsenic	2000	1940		ug/L		97	80 - 120
Lead	500	469		ug/L		94	80 - 120
Selenium	2000	1960		ug/L		98	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-74424/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 74561 — **Prep Batch: 74424**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		02/06/13 14:55	02/06/13 17:50	1

Lab Sample ID: LCS 240-74424/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 74561 — **Prep Batch: 74424**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.82		ug/L		96	81 - 123

QC Association Summary

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

TestAmerica Job ID: 240-20668-1

GC/MS VOA

Analysis Batch: 74746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-19	RIN-03	Total/NA	Water	8260B	
240-20668-20	TB-05	Total/NA	Water	8260B	
LCS 240-74746/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-74746/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 74451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-19	RIN-03	Total/NA	Water	3520C	
LCS 240-74451/16-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-74451/15-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 74596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-1	IA07-SS03/0.5-1.0	Total/NA	Solid	3540C	
240-20668-2	IA07-SS03/1.5-2.0	Total/NA	Solid	3540C	
240-20668-3	IA07-SS03/3.5-4.0	Total/NA	Solid	3540C	
240-20668-4	IA07-SS04/0.5-1.0	Total/NA	Solid	3540C	
240-20668-5	IA07-SS04/2.0-2.5	Total/NA	Solid	3540C	
240-20668-6	IA07-SS04/3.5-4.0	Total/NA	Solid	3540C	
240-20668-7	IA07-SS05/0.5-1.0	Total/NA	Solid	3540C	
240-20668-8	IA07-SS05/3.5-4.0	Total/NA	Solid	3540C	
240-20668-9	IA07-SS05/4.5-5.0	Total/NA	Solid	3540C	
240-20668-10	IA07-SS06/0.5-1.0	Total/NA	Solid	3540C	
240-20668-11	IA07-SS06/3.5-4.0	Total/NA	Solid	3540C	
240-20668-12	IA07-SS06/4.5-5.0	Total/NA	Solid	3540C	
240-20668-13	IA07-SS07/0.5-1.0	Total/NA	Solid	3540C	
240-20668-14	IA07-SS07/2.0-2.5	Total/NA	Solid	3540C	
240-20668-15	IA07-SS07/4.5-5	Total/NA	Solid	3540C	
240-20668-16	IA07-SS08/0.5-1.0	Total/NA	Solid	3540C	
240-20668-17	IA07-SS08/2.0-2.5	Total/NA	Solid	3540C	
LCS 240-74596/24-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-74596/23-A	Method Blank	Total/NA	Solid	3540C	

Prep Batch: 74743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-18	IA07-SS08/4.5-5.0	Total/NA	Solid	3540C	
LCS 240-74743/23-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-74743/24-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 74879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-19	RIN-03	Total/NA	Water	8270C	74451
LCS 240-74451/16-A	Lab Control Sample	Total/NA	Water	8270C	74451
MB 240-74451/15-A	Method Blank	Total/NA	Water	8270C	74451

Analysis Batch: 74975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-2	IA07-SS03/1.5-2.0	Total/NA	Solid	8270C	74596

GC/MS Semi VOA (Continued)

Analysis Batch: 74975 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-3	IA07-SS03/3.5-4.0	Total/NA	Solid	8270C	74596
240-20668-4	IA07-SS04/0.5-1.0	Total/NA	Solid	8270C	74596
240-20668-5	IA07-SS04/2.0-2.5	Total/NA	Solid	8270C	74596
240-20668-7	IA07-SS05/0.5-1.0	Total/NA	Solid	8270C	74596
240-20668-8	IA07-SS05/3.5-4.0	Total/NA	Solid	8270C	74596
240-20668-9	IA07-SS05/4.5-5.0	Total/NA	Solid	8270C	74596
240-20668-10	IA07-SS06/0.5-1.0	Total/NA	Solid	8270C	74596
240-20668-11	IA07-SS06/3.5-4.0	Total/NA	Solid	8270C	74596
240-20668-13	IA07-SS07/0.5-1.0	Total/NA	Solid	8270C	74596
240-20668-14	IA07-SS07/2.0-2.5	Total/NA	Solid	8270C	74596
240-20668-15	IA07-SS07/4.5-5	Total/NA	Solid	8270C	74596
240-20668-16	IA07-SS08/0.5-1.0	Total/NA	Solid	8270C	74596
240-20668-17	IA07-SS08/2.0-2.5	Total/NA	Solid	8270C	74596
LCS 240-74596/24-A	Lab Control Sample	Total/NA	Solid	8270C	74596
MB 240-74596/23-A	Method Blank	Total/NA	Solid	8270C	74596

Analysis Batch: 74990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-18	IA07-SS08/4.5-5.0	Total/NA	Solid	8270C	74743
LCS 240-74743/23-A	Lab Control Sample	Total/NA	Solid	8270C	74743
MB 240-74743/24-A	Method Blank	Total/NA	Solid	8270C	74743

Analysis Batch: 75789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-1	IA07-SS03/0.5-1.0	Total/NA	Solid	8270C	74596
240-20668-6	IA07-SS04/3.5-4.0	Total/NA	Solid	8270C	74596
240-20668-12	IA07-SS06/4.5-5.0	Total/NA	Solid	8270C	74596

GC Semi VOA

Prep Batch: 74457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-19	RIN-03	Total/NA	Water	3520C	
LCS 240-74457/3-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-74457/2-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 74594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-1	IA07-SS03/0.5-1.0	Total/NA	Solid	3540C	
240-20668-2	IA07-SS03/1.5-2.0	Total/NA	Solid	3540C	
240-20668-3	IA07-SS03/3.5-4.0	Total/NA	Solid	3540C	
240-20668-4	IA07-SS04/0.5-1.0	Total/NA	Solid	3540C	
240-20668-5	IA07-SS04/2.0-2.5	Total/NA	Solid	3540C	
240-20668-6	IA07-SS04/3.5-4.0	Total/NA	Solid	3540C	
240-20668-7	IA07-SS05/0.5-1.0	Total/NA	Solid	3540C	
240-20668-8	IA07-SS05/3.5-4.0	Total/NA	Solid	3540C	
240-20668-9	IA07-SS05/4.5-5.0	Total/NA	Solid	3540C	
240-20668-10	IA07-SS06/0.5-1.0	Total/NA	Solid	3540C	
240-20668-11	IA07-SS06/3.5-4.0	Total/NA	Solid	3540C	
240-20668-12	IA07-SS06/4.5-5.0	Total/NA	Solid	3540C	

GC Semi VOA (Continued)

Prep Batch: 74594 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-13	IA07-SS07/0.5-1.0	Total/NA	Solid	3540C	
240-20668-14	IA07-SS07/2.0-2.5	Total/NA	Solid	3540C	
240-20668-15	IA07-SS07/4.5-5	Total/NA	Solid	3540C	
240-20668-16	IA07-SS08/0.5-1.0	Total/NA	Solid	3540C	
240-20668-17	IA07-SS08/2.0-2.5	Total/NA	Solid	3540C	
240-20668-18	IA07-SS08/4.5-5.0	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	

Analysis Batch: 74640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-19	RIN-03	Total/NA	Water	8082	74457
LCS 240-74457/3-A	Lab Control Sample	Total/NA	Water	8082	74457
MB 240-74457/2-A	Method Blank	Total/NA	Water	8082	74457

Analysis Batch: 74907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-2	IA07-SS03/1.5-2.0	Total/NA	Solid	8015B	74594
240-20668-3	IA07-SS03/3.5-4.0	Total/NA	Solid	8015B	74594
240-20668-4	IA07-SS04/0.5-1.0	Total/NA	Solid	8015B	74594
240-20668-6	IA07-SS04/3.5-4.0	Total/NA	Solid	8015B	74594
240-20668-7	IA07-SS05/0.5-1.0	Total/NA	Solid	8015B	74594
240-20668-8	IA07-SS05/3.5-4.0	Total/NA	Solid	8015B	74594
240-20668-10	IA07-SS06/0.5-1.0	Total/NA	Solid	8015B	74594
240-20668-11	IA07-SS06/3.5-4.0	Total/NA	Solid	8015B	74594
240-20668-12	IA07-SS06/4.5-5.0	Total/NA	Solid	8015B	74594
240-20668-13	IA07-SS07/0.5-1.0	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: 75189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-1	IA07-SS03/0.5-1.0	Total/NA	Solid	8015B	74594
240-20668-5	IA07-SS04/2.0-2.5	Total/NA	Solid	8015B	74594
240-20668-9	IA07-SS05/4.5-5.0	Total/NA	Solid	8015B	74594
240-20668-14	IA07-SS07/2.0-2.5	Total/NA	Solid	8015B	74594
240-20668-15	IA07-SS07/4.5-5	Total/NA	Solid	8015B	74594
240-20668-16	IA07-SS08/0.5-1.0	Total/NA	Solid	8015B	74594
240-20668-17	IA07-SS08/2.0-2.5	Total/NA	Solid	8015B	74594
240-20668-18	IA07-SS08/4.5-5.0	Total/NA	Solid	8015B	74594

Metals

Prep Batch: 74424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-19	RIN-03	Total/NA	Water	7470A	
LCS 240-74424/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-74424/1-A	Method Blank	Total/NA	Water	7470A	

QC Association Summary

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

TestAmerica Job ID: 240-20668-1

Metals (Continued)

Prep Batch: 74425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-19	RIN-03	Total Recoverable	Water	3005A	
LCS 240-74425/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-74425/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 74561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-19	RIN-03	Total/NA	Water	7470A	74424
LCS 240-74424/2-A	Lab Control Sample	Total/NA	Water	7470A	74424
MB 240-74424/1-A	Method Blank	Total/NA	Water	7470A	74424

Analysis Batch: 74569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-19	RIN-03	Total Recoverable	Water	6010B	74425
LCS 240-74425/2-A	Lab Control Sample	Total Recoverable	Water	6010B	74425
MB 240-74425/1-A	Method Blank	Total Recoverable	Water	6010B	74425

General Chemistry

Analysis Batch: 74526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20668-1	IA07-SS03/0.5-1.0	Total/NA	Solid	Moisture	
240-20668-1 DU	IA07-SS03/0.5-1.0	Total/NA	Solid	Moisture	
240-20668-2	IA07-SS03/1.5-2.0	Total/NA	Solid	Moisture	
240-20668-3	IA07-SS03/3.5-4.0	Total/NA	Solid	Moisture	
240-20668-4	IA07-SS04/0.5-1.0	Total/NA	Solid	Moisture	
240-20668-5	IA07-SS04/2.0-2.5	Total/NA	Solid	Moisture	
240-20668-6	IA07-SS04/3.5-4.0	Total/NA	Solid	Moisture	
240-20668-7	IA07-SS05/0.5-1.0	Total/NA	Solid	Moisture	
240-20668-8	IA07-SS05/3.5-4.0	Total/NA	Solid	Moisture	
240-20668-9	IA07-SS05/4.5-5.0	Total/NA	Solid	Moisture	
240-20668-10	IA07-SS06/0.5-1.0	Total/NA	Solid	Moisture	
240-20668-10 DU	IA07-SS06/0.5-1.0	Total/NA	Solid	Moisture	
240-20668-11	IA07-SS06/3.5-4.0	Total/NA	Solid	Moisture	
240-20668-12	IA07-SS06/4.5-5.0	Total/NA	Solid	Moisture	
240-20668-13	IA07-SS07/0.5-1.0	Total/NA	Solid	Moisture	
240-20668-14	IA07-SS07/2.0-2.5	Total/NA	Solid	Moisture	
240-20668-15	IA07-SS07/4.5-5	Total/NA	Solid	Moisture	
240-20668-16	IA07-SS08/0.5-1.0	Total/NA	Solid	Moisture	
240-20668-17	IA07-SS08/2.0-2.5	Total/NA	Solid	Moisture	
240-20668-18	IA07-SS08/4.5-5.0	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 240-20668-1

Client Sample ID: IA07-SS03/0.5-1.0

Lab Sample ID: 240-20668-1

Date Collected: 02/04/13 10:45
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 58.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		50	75789	02/19/13 23:14	MU	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		200	75189	02/13/13 13:24	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA07-SS03/1.5-2.0

Lab Sample ID: 240-20668-2

Date Collected: 02/04/13 10:50
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		40	74975	02/12/13 19:10	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		50	74907	02/12/13 15:14	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA07-SS03/3.5-4.0

Lab Sample ID: 240-20668-3

Date Collected: 02/04/13 11:20
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		10	74975	02/12/13 17:43	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		10	74907	02/12/13 15:44	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA07-SS04/0.5-1.0

Lab Sample ID: 240-20668-4

Date Collected: 02/04/13 14:05
Date Received: 02/05/13 09:00

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			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		1	74975	02/12/13 13:20	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		1	74907	02/12/13 16:14	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: 240-20668-1

Client Sample ID: IA07-SS04/2.0-2.5

Lab Sample ID: 240-20668-5

Date Collected: 02/04/13 14:10
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		4	74975	02/12/13 17:21	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		5	75189	02/13/13 13:54	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA07-SS04/3.5-4.0

Lab Sample ID: 240-20668-6

Date Collected: 02/04/13 14:00
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		100	75789	02/19/13 23:38	MU	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		100	74907	02/12/13 17:14	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA07-SS05/0.5-1.0

Lab Sample ID: 240-20668-7

Date Collected: 02/04/13 14:25
Date Received: 02/05/13 09:00

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			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		1	74975	02/12/13 13:42	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		1	74907	02/12/13 17:44	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA07-SS05/3.5-4.0

Lab Sample ID: 240-20668-8

Date Collected: 02/04/13 14:30
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		1	74975	02/12/13 14:04	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		1	74907	02/12/13 18:15	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: 240-20668-1

Client Sample ID: IA07-SS05/4.5-5.0

Lab Sample ID: 240-20668-9

Date Collected: 02/04/13 14:35
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		1	74975	02/12/13 14:48	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		5	75189	02/13/13 14:24	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA07-SS06/0.5-1.0

Lab Sample ID: 240-20668-10

Date Collected: 02/04/13 14:55
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		1	74975	02/12/13 15:09	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		1	74907	02/12/13 19:44	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA07-SS06/3.5-4.0

Lab Sample ID: 240-20668-11

Date Collected: 02/04/13 14:55
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 76.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		1	74975	02/12/13 14:26	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		1	74907	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: IA07-SS06/4.5-5.0

Lab Sample ID: 240-20668-12

Date Collected: 02/04/13 15:00
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 60.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		50	75789	02/19/13 22:49	MU	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		50	74907	02/12/13 20:44	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: 240-20668-1

Client Sample ID: IA07-SS07/0.5-1.0

Lab Sample ID: 240-20668-13

Date Collected: 02/04/13 15:00
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 77.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		1	74975	02/12/13 15:31	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		1	74907	02/12/13 21:14	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA07-SS07/2.0-2.5

Lab Sample ID: 240-20668-14

Date Collected: 02/04/13 15:05
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		20	74975	02/12/13 18:26	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		20	75189	02/13/13 14:54	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA07-SS07/4.5-5

Lab Sample ID: 240-20668-15

Date Collected: 02/04/13 15:10
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		20	74975	02/12/13 18:48	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		20	75189	02/13/13 22:25	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA07-SS08/0.5-1.0

Lab Sample ID: 240-20668-16

Date Collected: 02/04/13 15:55
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 73.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		20	74975	02/12/13 18:05	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		20	75189	02/13/13 22:55	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: 240-20668-1

Client Sample ID: IA07-SS08/2.0-2.5

Lab Sample ID: 240-20668-17

Date Collected: 02/04/13 16:00
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 77.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74596	02/07/13 10:12	AC	TAL NC
Total/NA	Analysis	8270C		1	74975	02/12/13 15:53	TH	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		20	75189	02/13/13 23:25	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: IA07-SS08/4.5-5.0

Lab Sample ID: 240-20668-18

Date Collected: 02/04/13 16:05
Date Received: 02/05/13 09:00

Matrix: Solid
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			74743	02/08/13 10:53	CC	TAL NC
Total/NA	Analysis	8270C		50	74990	02/12/13 19:33	JG	TAL NC
Total/NA	Prep	3540C			74594	02/07/13 10:08	AC	TAL NC
Total/NA	Analysis	8015B		20	75189	02/13/13 23:54	DB	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:46	AM	TAL NC

Client Sample ID: RIN-03

Lab Sample ID: 240-20668-19

Date Collected: 02/04/13 09:05
Date Received: 02/05/13 09:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	74746	02/08/13 14:34	LW	TAL NC
Total/NA	Prep	3520C			74451	02/06/13 10:10	BM	TAL NC
Total/NA	Analysis	8270C		1	74879	02/11/13 13:58	MU	TAL NC
Total/NA	Prep	3520C			74457	02/06/13 10:27	BM	TAL NC
Total/NA	Analysis	8082		1	74640	02/07/13 14:03	LH	TAL NC
Total/NA	Prep	7470A			74424	02/06/13 14:55	LM	TAL NC
Total/NA	Analysis	7470A		1	74561	02/06/13 18:09	DH	TAL NC
Total Recoverable	Prep	3005A			74425	02/06/13 08:05	LM	TAL NC
Total Recoverable	Analysis	6010B		1	74569	02/07/13 13:17	KC	TAL NC

Client Sample ID: TB-05

Lab Sample ID: 240-20668-20

Date Collected: 02/04/13 00:00
Date Received: 02/05/13 09:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	74746	02/08/13 14:56	LW	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: 240-20668-1

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

13

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: TRC Environmental	Client Project Manager: Kathie Teuscher	Site Contact: Michael Bitb	Lab Contact: Pat O'Meara	COC No: 043848
Address: 1382 W. 9th St. 200	Telephone: 216.344.3072	Telephone: 330.416.4809	Telephone:	1 of ___ COCs
City/State/Zip: Cleveland, OH 44113	Email: kteuscher@trcsolutions.com	Analysis Turnaround Time (in BUS days)		For lab use only
Phone: 216.344.3072		TAT if different from below ___		Walk-in client ☐
Project Name: CDF	Method of Shipment/Carrier: Drop off	☐ 3 weeks ☒ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Lab pickup ☐
Project Number: 196663.00	Shipping/Tracking No:			Lab sampling ☐
PO#				Job/SDG No:

Analyses

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite C/Grab G	PAH	TPH-ORO	Sample Specific Notes / Special Instructions:
IA07-SS03/0.5-1.0	2/4/13	1045			X								1		N	G	X	X	
IA07-SS03/1.5-2.0		1050			X								1				X	X	
IA07-SS03/3.5-4.0		1120			X								1				X	X	
IA07-SS04/0.5-1.0		1405			X								1				X	X	
IA07-SS04/2.0-2.5		1410			X								1				X	X	
IA07-SS04/3.5-4.0		1400			X								1				X	X	
IA07-SS05/0.5-1.0		1425			X								1				X	X	
IA07-SS05/3.5-4.0		1430			X								1				X	X	
IA07-SS05/4.5-5.0		1435			X								1				X	X	
IA07-SS06/0.5-1.0		1455			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: OVAP

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TRC	6:30 / 2/4/13	Beau Woodward		2/4/13 6:30 pm
Relinquished by:	Company:	Date/Time:	Received by: [signature]	Company: TAC	Date/Time: 2/5/13 - 900
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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

TAL 0018-1 (04/10)

2/20/2013

CDF011745

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: N. CANTON
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other OVAP

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: TRC ENVIRONMENTAL	Client Project Manager: KATHIE TEUSCHER	Site Contact: MICHAEL BITO	Lab Contact: PAT O MEARA	COC No: 043849
Address: 1382 W 9th St. 200	Telephone: 216.344.3072	Telephone: 330.416.4809	Telephone:	___ of ___ COCs
City/State/Zip: CLEVELAND, OH 44113	Email: kteuscher@trcsolutions.com	Analysis Turnaround Time (in BUS days)		For lab use only
Phone: 216.344.3072		TAT if different from below ___ ☐ 3 weeks ☒ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name: 196663.00	Method of Shipment/Carrier: DROP OFF			
Project Number: QDF	Shipping/Tracking No:			Job/SDG No:
PO #				

Analyses

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite C/Grab G	PAH	TPH-DRO	VOC	SVOC	Total RCRA Metals	PCBs					Sample Specific Notes / Special Instructions:
IA07-SS06/3.5-4.0	2/4/13	1455			X								1		N	G	X	X									
IA07-SS06/4.5-5.0		1500			X								1				X	X									
IA07-SS07/0.5-1.0		1500			X								1				X	X									
IA07-SS07/2.0-2.5		1505			X								1				X	X									
IA07-SS07/4.5-5		1510			X								1				X	X									
IA07-SS08/0.5-1.0		1555			X								1				X	X									
IA07-SS08/2.0-2.5		1600			X								1				X	X									
IA07-SS08/4.5-5.0		1605			X								1				X	X									
RIN-03		0905		X					1	3			4						X	X	X	X					
TB-05		—		X						2									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: OVAP

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TRC	2/4/13 // 6:30pm	Bruce Woodward		2/4/13 630pm
			[signature]	TAC	2/5/13 900
			Received in Laboratory by:		

TAL 0018-1 (04/10)

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

2/20/2013

CDF011746

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 20668

Client TRC ENV Site Name _____ By: Terrell [signature] (Signature)

Cooler Received on 2-5-13 Opened on 2-5-13

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

TestAmerica Cooler # L138 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. 5.7 °C Corrected Sample Temp. 3.7 °C
   - IR GUN# 4G (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C
   - 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

☐ Multiple on Back

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

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 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
RIN-03	<2	2-5-17	TCS

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