TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
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Tel: (330)497-9396

TestAmerica Job ID: 240-20711-1
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:
2/12/2013 6:33:33 PM

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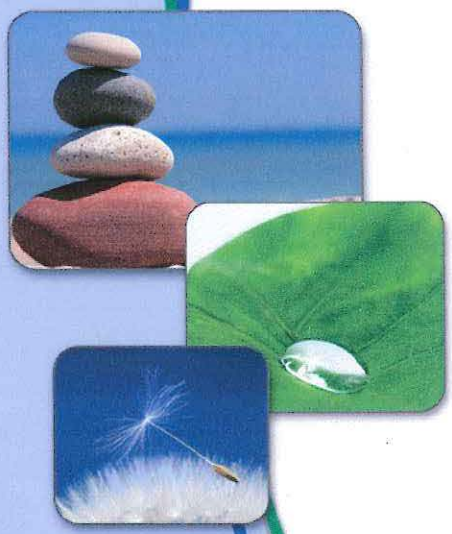

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

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.
B	Compound was found in the blank and sample.

General Chemistry

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.
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
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: 240-20711-1

Laboratory: TestAmerica Canton

Narrative

Job Narrative
240-20711-1

Comments
No additional comments.

Receipt
The samples were received on 2/5/2013 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3° C.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

CASE NARRATIVE

Client: TRC Environmental Corp-Payne Firm

Project: Canton Drop Forge

Report Number: 240-20711-1

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.

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 application 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.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Job ID: 240-20711-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

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.

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 coolers at receipt was 3.3 C.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples IA07-SS07/0.0-1.5 (240-20711-1), IA06-SS03/0.0-0.5 (240-20711-2) and IA06-SS07/0.0-1.0 (240-20711-3) were analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 1311/8260B. The samples were leached on 02/07/2013 and analyzed on 02/12/2013.

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

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples IA07-SS07/0.0-1.5 (240-20711-1), IA06-SS03/0.0-0.5 (240-20711-2) and IA06-SS07/0.0-1.0 (240-20711-3) were analyzed for TCLP semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 1311/8270C. The samples were leached on 02/07/2013, prepared on 02/08/2013 and analyzed on 02/12/2013.

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

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

TCLP METALS (ICP)

Samples IA07-SS07/0.0-1.5 (240-20711-1), IA06-SS03/0.0-0.5 (240-20711-2) and IA06-SS07/0.0-1.0 (240-20711-3) were analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 02/07/2013, prepared on 02/08/2013 and analyzed on 02/11/2013.

Barium and Lead were detected in method blank LB 240-74672/1-C at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Lead was detected in method blank LB 240-74673/1-B at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

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

TCLP MERCURY

Samples IA07-SS07/0.0-1.5 (240-20711-1), IA06-SS03/0.0-0.5 (240-20711-2) and IA06-SS07/0.0-1.0 (240-20711-3) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 02/07/2013, prepared on 02/08/2013 and analyzed on 02/11/2013.

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

FLASHPOINT

Samples IA07-SS07/0.0-1.5 (240-20711-1), IA06-SS03/0.0-0.5 (240-20711-2) and IA06-SS07/0.0-1.0 (240-20711-3) were analyzed for flashpoint in accordance with EPA SW-846 Method 1010. The samples were analyzed on 02/08/2013.

Job ID: 240-20711-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

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

TOTAL AND AMENABLE CYANIDE

Samples IA07-SS07/0.0-1.5 (240-20711-1), IA06-SS03/0.0-0.5 (240-20711-2) and IA06-SS07/0.0-1.0 (240-20711-3) were analyzed for total and amenable cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 02/12/2013.

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

SULFIDE

Samples IA07-SS07/0.0-1.5 (240-20711-1), IA06-SS03/0.0-0.5 (240-20711-2) and IA06-SS07/0.0-1.0 (240-20711-3) were analyzed for sulfide in accordance with EPA SW-846 Method 9034. The samples were prepared and analyzed on 02/07/2013.

Sulfide exceeded the rpd limit for the MSD of sample IA06-SS07/0.0-1.0 (240-20711-3) in batch 240-74651.

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

PH

Samples IA07-SS07/0.0-1.5 (240-20711-1), IA06-SS03/0.0-0.5 (240-20711-2) and IA06-SS07/0.0-1.0 (240-20711-3) were analyzed for pH in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 02/07/2013.

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

PAINT FILTER

Samples IA07-SS07/0.0-1.5 (240-20711-1), IA06-SS03/0.0-0.5 (240-20711-2) and IA06-SS07/0.0-1.0 (240-20711-3) were analyzed for paint filter in accordance with EPA SW-846 Method 9095A. The samples were analyzed on 02/11/2013.

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

PERCENT SOLIDS

Samples IA07-SS07/0.0-1.5 (240-20711-1), IA06-SS03/0.0-0.5 (240-20711-2) and IA06-SS07/0.0-1.0 (240-20711-3) 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: 240-20711-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NC
6010B	Metals (ICP)	SW846	TAL NC
7470A	Mercury (CVAA)	SW846	TAL NC
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL NC
9012A	Cyanide, Total and/or Amenable	SW846	TAL NC
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL NC
9045C	pH	SW846	TAL NC
9095A	Paint Filter	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: 240-20711-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-20711-1	IA07-SS07/0.0-1.5	Solid	02/04/13 15:00	02/05/13 17:30
240-20711-2	IA06-SS03/0.0-0.5	Solid	02/05/13 10:30	02/05/13 17:30
240-20711-3	IA06-SS07/0.0-1.0	Solid	02/05/13 12:30	02/05/13 17:30

Detection Summary

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

TestAmerica Job ID: 240-20711-1

Client Sample ID: IA07-SS07/0.0-1.5 — Lab Sample ID: 240-20711-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.13	J	0.50	0.0032	mg/L	1		6010B	TCLP
Barium	1.4	J	10	0.00067	mg/L	1		6010B	TCLP
Lead	0.0073	J B	0.50	0.0019	mg/L	1		6010B	TCLP
Flashpoint	>180		1.00	1.00	Degrees F	1		1010	Total/NA
Cyanide, Total	0.46	J	1.2	0.23	mg/Kg	1	☼	9012A	Total/NA
Sulfide	1800		68	50	mg/Kg	1	☼	9034	Total/NA
corrosivity by pH	8.34		0.100	0.100	SU	1		9045C	Total/NA
Free Liquid	POS		0.10	0.10	NONE	1		9095A	Total/NA

Client Sample ID: IA06-SS03/0.0-0.5 — Lab Sample ID: 240-20711-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.013	J	0.50	0.0032	mg/L	1		6010B	TCLP
Barium	1.4	J B	10	0.00067	mg/L	1		6010B	TCLP
Chromium	0.0028	J	0.50	0.0022	mg/L	1		6010B	TCLP
Lead	0.016	J B	0.50	0.0019	mg/L	1		6010B	TCLP
Flashpoint	>180		1.00	1.00	Degrees F	1		1010	Total/NA
Sulfide	95		42	31	mg/Kg	1	☼	9034	Total/NA
corrosivity by pH	7.40		0.100	0.100	SU	1		9045C	Total/NA
Free Liquid	POS		0.10	0.10	NONE	1		9095A	Total/NA

Client Sample ID: IA06-SS07/0.0-1.0 — Lab Sample ID: 240-20711-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.012	J	0.50	0.0032	mg/L	1		6010B	TCLP
Barium	1.8	J B	10	0.00067	mg/L	1		6010B	TCLP
Chromium	0.0066	J	0.50	0.0022	mg/L	1		6010B	TCLP
Lead	0.038	J B	0.50	0.0019	mg/L	1		6010B	TCLP
Flashpoint	>180		1.00	1.00	Degrees F	1		1010	Total/NA
corrosivity by pH	7.13		0.100	0.100	SU	1		9045C	Total/NA
Free Liquid	NEG		0.10	0.10	NONE	1		9095A	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: 240-20711-1

Client Sample ID: IA07-SS07/0.0-1.5
Date Collected: 02/04/13 15:00
Date Received: 02/05/13 17:30

Lab Sample ID: 240-20711-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.025	0.0095	mg/L			02/12/13 15:55	1
1,2-Dichloroethane	ND		0.025	0.011	mg/L			02/12/13 15:55	1
2-Butanone (MEK)	ND		0.25	0.029	mg/L			02/12/13 15:55	1
Benzene	ND		0.025	0.0065	mg/L			02/12/13 15:55	1
Carbon tetrachloride	ND		0.025	0.0065	mg/L			02/12/13 15:55	1
Chlorobenzene	ND		0.025	0.0075	mg/L			02/12/13 15:55	1
Chloroform	ND		0.025	0.0080	mg/L			02/12/13 15:55	1
Tetrachloroethene	ND		0.025	0.015	mg/L			02/12/13 15:55	1
Trichloroethene	ND		0.025	0.0085	mg/L			02/12/13 15:55	1
Vinyl chloride	ND		0.025	0.011	mg/L			02/12/13 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 121*		*02/12/13 15:55*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 124*		*02/12/13 15:55*	*1*
Toluene-d8 (Surr)	*100*		*90 - 115*		*02/12/13 15:55*	*1*
Dibromofluoromethane (Surr)	*98*		*84 - 128*		*02/12/13 15:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0040	0.00034	mg/L		02/08/13 10:34	02/12/13 13:40	1
2,4,5-Trichlorophenol	ND		0.020	0.00030	mg/L		02/08/13 10:34	02/12/13 13:40	1
2,4,6-Trichlorophenol	ND		0.020	0.00080	mg/L		02/08/13 10:34	02/12/13 13:40	1
2,4-Dinitrotoluene	ND		0.020	0.00027	mg/L		02/08/13 10:34	02/12/13 13:40	1
Hexachlorobenzene	ND		0.020	0.00010	mg/L		02/08/13 10:34	02/12/13 13:40	1
Hexachlorobutadiene	ND		0.020	0.00027	mg/L		02/08/13 10:34	02/12/13 13:40	1
Hexachloroethane	ND		0.020	0.00080	mg/L		02/08/13 10:34	02/12/13 13:40	1
3 & 4 Methylphenol	ND		0.040	0.00075	mg/L		02/08/13 10:34	02/12/13 13:40	1
2-Methylphenol	ND		0.0040	0.00080	mg/L		02/08/13 10:34	02/12/13 13:40	1
Nitrobenzene	ND		0.0040	0.000040	mg/L		02/08/13 10:34	02/12/13 13:40	1
Pentachlorophenol	ND		0.040	0.0024	mg/L		02/08/13 10:34	02/12/13 13:40	1
Pyridine	ND		0.020	0.00035	mg/L		02/08/13 10:34	02/12/13 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*54*		*27 - 110*	*02/08/13 10:34*	*02/12/13 13:40*	*1*
2-Fluorophenol (Surr)	*27*		*10 - 110*	*02/08/13 10:34*	*02/12/13 13:40*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*15 - 110*	*02/08/13 10:34*	*02/12/13 13:40*	*1*
Nitrobenzene-d5 (Surr)	*49*		*27 - 110*	*02/08/13 10:34*	*02/12/13 13:40*	*1*
Phenol-d5 (Surr)	*59*		*20 - 110*	*02/08/13 10:34*	*02/12/13 13:40*	*1*
Terphenyl-d14 (Surr)	*60*		*38 - 110*	*02/08/13 10:34*	*02/12/13 13:40*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.13**	J	0.50	0.0032	mg/L		02/08/13 12:03	02/11/13 21:12	1
Barium	**1.4**	J	10	0.00067	mg/L		02/08/13 12:03	02/11/13 21:12	1
Cadmium	ND		0.10	0.00066	mg/L		02/08/13 12:03	02/11/13 21:12	1
Chromium	ND		0.50	0.0022	mg/L		02/08/13 12:03	02/11/13 21:12	1
Lead	**0.0073**	J B	0.50	0.0019	mg/L		02/08/13 12:03	02/11/13 21:12	1
Selenium	ND		0.25	0.0041	mg/L		02/08/13 12:03	02/11/13 21:12	1
Silver	ND		0.50	0.0022	mg/L		02/08/13 12:03	02/11/13 21:12	1

Client Sample Results

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

TestAmerica Job ID: 240-20711-1

Client Sample ID: IA07-SS07/0.0-1.5

Lab Sample ID: 240-20711-1

Date Collected: 02/04/13 15:00
Matrix: Solid
Date Received: 02/05/13 17:30

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020	0.00012	mg/L		02/08/13 16:00	02/11/13 17:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			02/08/13 10:22	1
Cyanide, Total	0.46	J	1.2	0.23	mg/Kg	☼	02/12/13 11:08	02/12/13 17:02	1
Sulfide	1800		68	50	mg/Kg	☼	02/07/13 10:17	02/07/13 14:46	1
corrosivity by pH	8.34		0.100	0.100	SU			02/07/13 14:37	1
Free Liquid	POS		0.10	0.10	NONE			02/11/13 07:50	1

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Client Sample Results

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

TestAmerica Job ID: 240-20711-1

Client Sample ID: IA06-SS03/0.0-0.5

Lab Sample ID: 240-20711-2

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

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.025	0.0095	mg/L			02/12/13 16:21	1
1,2-Dichloroethane	ND		0.025	0.011	mg/L			02/12/13 16:21	1
2-Butanone (MEK)	ND		0.25	0.029	mg/L			02/12/13 16:21	1
Benzene	ND		0.025	0.0065	mg/L			02/12/13 16:21	1
Carbon tetrachloride	ND		0.025	0.0065	mg/L			02/12/13 16:21	1
Chlorobenzene	ND		0.025	0.0075	mg/L			02/12/13 16:21	1
Chloroform	ND		0.025	0.0080	mg/L			02/12/13 16:21	1
Tetrachloroethene	ND		0.025	0.015	mg/L			02/12/13 16:21	1
Trichloroethene	ND		0.025	0.0085	mg/L			02/12/13 16:21	1
Vinyl chloride	ND		0.025	0.011	mg/L			02/12/13 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 121*		*02/12/13 16:21*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 124*		*02/12/13 16:21*	*1*
Toluene-d8 (Surr)	*100*		*90 - 115*		*02/12/13 16:21*	*1*
Dibromofluoromethane (Surr)	*103*		*84 - 128*		*02/12/13 16:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0040	0.00034	mg/L		02/08/13 11:30	02/12/13 10:03	1
2,4,5-Trichlorophenol	ND		0.020	0.00030	mg/L		02/08/13 11:30	02/12/13 10:03	1
2,4,6-Trichlorophenol	ND		0.020	0.00080	mg/L		02/08/13 11:30	02/12/13 10:03	1
2,4-Dinitrotoluene	ND		0.020	0.00027	mg/L		02/08/13 11:30	02/12/13 10:03	1
Hexachlorobenzene	ND		0.020	0.00010	mg/L		02/08/13 11:30	02/12/13 10:03	1
Hexachlorobutadiene	ND		0.020	0.00027	mg/L		02/08/13 11:30	02/12/13 10:03	1
Hexachloroethane	ND		0.020	0.00080	mg/L		02/08/13 11:30	02/12/13 10:03	1
3 & 4 Methylphenol	ND		0.040	0.00075	mg/L		02/08/13 11:30	02/12/13 10:03	1
2-Methylphenol	ND		0.0040	0.00080	mg/L		02/08/13 11:30	02/12/13 10:03	1
Nitrobenzene	ND		0.0040	0.000040	mg/L		02/08/13 11:30	02/12/13 10:03	1
Pentachlorophenol	ND		0.040	0.0024	mg/L		02/08/13 11:30	02/12/13 10:03	1
Pyridine	ND		0.020	0.00035	mg/L		02/08/13 11:30	02/12/13 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*34*		*27 - 110*	*02/08/13 11:30*	*02/12/13 10:03*	*1*
2-Fluorophenol (Surr)	*11*		*10 - 110*	*02/08/13 11:30*	*02/12/13 10:03*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*15 - 110*	*02/08/13 11:30*	*02/12/13 10:03*	*1*
Nitrobenzene-d5 (Surr)	*39*		*27 - 110*	*02/08/13 11:30*	*02/12/13 10:03*	*1*
Phenol-d5 (Surr)	*37*		*20 - 110*	*02/08/13 11:30*	*02/12/13 10:03*	*1*
Terphenyl-d14 (Surr)	*54*		*38 - 110*	*02/08/13 11:30*	*02/12/13 10:03*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.013**	J	0.50	0.0032	mg/L		02/08/13 11:42	02/11/13 22:29	1
Barium	**1.4**	J B	10	0.00067	mg/L		02/08/13 11:42	02/11/13 22:29	1
Cadmium	ND		0.10	0.00066	mg/L		02/08/13 11:42	02/11/13 22:29	1
Chromium	**0.0028**	J	0.50	0.0022	mg/L		02/08/13 11:42	02/11/13 22:29	1
Lead	**0.016**	J B	0.50	0.0019	mg/L		02/08/13 11:42	02/11/13 22:29	1
Selenium	ND		0.25	0.0041	mg/L		02/08/13 11:42	02/11/13 22:29	1
Silver	ND		0.50	0.0022	mg/L		02/08/13 11:42	02/11/13 22:29	1

Client Sample Results

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

TestAmerica Job ID: 240-20711-1

Client Sample ID: IA06-SS03/0.0-0.5

Lab Sample ID: 240-20711-2

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

Matrix: Solid

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020	0.00012	mg/L		02/08/13 16:00	02/11/13 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			02/08/13 10:55	1
Cyanide, Total	ND		0.69	0.14	mg/Kg	☼	02/12/13 11:08	02/12/13 17:02	1
Sulfide	95		42	31	mg/Kg	☼	02/07/13 10:17	02/07/13 14:46	1
corrosivity by pH	7.40		0.100	0.100	SU			02/07/13 14:46	1
Free Liquid	POS		0.10	0.10	NONE			02/11/13 07:50	1

Client Sample Results

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

TestAmerica Job ID: 240-20711-1

Client Sample ID: IA06-SS07/0.0-1.0

Lab Sample ID: 240-20711-3

Date Collected: 02/05/13 12:30
Matrix: Solid
Date Received: 02/05/13 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.025	0.0095	mg/L			02/12/13 16:46	1
1,2-Dichloroethane	ND		0.025	0.011	mg/L			02/12/13 16:46	1
2-Butanone (MEK)	ND		0.25	0.029	mg/L			02/12/13 16:46	1
Benzene	ND		0.025	0.0065	mg/L			02/12/13 16:46	1
Carbon tetrachloride	ND		0.025	0.0065	mg/L			02/12/13 16:46	1
Chlorobenzene	ND		0.025	0.0075	mg/L			02/12/13 16:46	1
Chloroform	ND		0.025	0.0080	mg/L			02/12/13 16:46	1
Tetrachloroethene	ND		0.025	0.015	mg/L			02/12/13 16:46	1
Trichloroethene	ND		0.025	0.0085	mg/L			02/12/13 16:46	1
Vinyl chloride	ND		0.025	0.011	mg/L			02/12/13 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 121*		*02/12/13 16:46*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 124*		*02/12/13 16:46*	*1*
Toluene-d8 (Surr)	*99*		*90 - 115*		*02/12/13 16:46*	*1*
Dibromofluoromethane (Surr)	*99*		*84 - 128*		*02/12/13 16:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0040	0.00034	mg/L		02/08/13 11:30	02/12/13 10:47	1
2,4,5-Trichlorophenol	ND		0.020	0.00030	mg/L		02/08/13 11:30	02/12/13 10:47	1
2,4,6-Trichlorophenol	ND		0.020	0.00080	mg/L		02/08/13 11:30	02/12/13 10:47	1
2,4-Dinitrotoluene	ND		0.020	0.00027	mg/L		02/08/13 11:30	02/12/13 10:47	1
Hexachlorobenzene	ND		0.020	0.00010	mg/L		02/08/13 11:30	02/12/13 10:47	1
Hexachlorobutadiene	ND		0.020	0.00027	mg/L		02/08/13 11:30	02/12/13 10:47	1
Hexachloroethane	ND		0.020	0.00080	mg/L		02/08/13 11:30	02/12/13 10:47	1
3 & 4 Methylphenol	ND		0.040	0.00075	mg/L		02/08/13 11:30	02/12/13 10:47	1
2-Methylphenol	ND		0.0040	0.00080	mg/L		02/08/13 11:30	02/12/13 10:47	1
Nitrobenzene	ND		0.0040	0.000040	mg/L		02/08/13 11:30	02/12/13 10:47	1
Pentachlorophenol	ND		0.040	0.0024	mg/L		02/08/13 11:30	02/12/13 10:47	1
Pyridine	ND		0.020	0.00035	mg/L		02/08/13 11:30	02/12/13 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*41*		*27 - 110*	*02/08/13 11:30*	*02/12/13 10:47*	*1*
2-Fluorophenol (Surr)	*21*		*10 - 110*	*02/08/13 11:30*	*02/12/13 10:47*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*15 - 110*	*02/08/13 11:30*	*02/12/13 10:47*	*1*
Nitrobenzene-d5 (Surr)	*48*		*27 - 110*	*02/08/13 11:30*	*02/12/13 10:47*	*1*
Phenol-d5 (Surr)	*49*		*20 - 110*	*02/08/13 11:30*	*02/12/13 10:47*	*1*
Terphenyl-d14 (Surr)	*53*		*38 - 110*	*02/08/13 11:30*	*02/12/13 10:47*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.012**	J	0.50	0.0032	mg/L		02/08/13 11:42	02/11/13 22:35	1
Barium	**1.8**	J B	10	0.00067	mg/L		02/08/13 11:42	02/11/13 22:35	1
Cadmium	ND		0.10	0.00066	mg/L		02/08/13 11:42	02/11/13 22:35	1
Chromium	**0.0066**	J	0.50	0.0022	mg/L		02/08/13 11:42	02/11/13 22:35	1
Lead	**0.038**	J B	0.50	0.0019	mg/L		02/08/13 11:42	02/11/13 22:35	1
Selenium	ND		0.25	0.0041	mg/L		02/08/13 11:42	02/11/13 22:35	1
Silver	ND		0.50	0.0022	mg/L		02/08/13 11:42	02/11/13 22:35	1

Client Sample Results

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

TestAmerica Job ID: 240-20711-1

Client Sample ID: IA06-SS07/0.0-1.0

Lab Sample ID: 240-20711-3

Date Collected: 02/05/13 12:30
Matrix: Solid
Date Received: 02/05/13 17:30

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020	0.00012	mg/L		02/08/13 16:00	02/11/13 16:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			02/08/13 11:27	1
Cyanide, Total	ND		0.62	0.12	mg/Kg	☼	02/12/13 11:08	02/12/13 17:02	1
Sulfide	ND		38	28	mg/Kg	☼	02/07/13 10:17	02/07/13 14:46	1
corrosivity by pH	7.13		0.100	0.100	SU			02/07/13 14:56	1
Free Liquid	NEG		0.10	0.10	NONE			02/11/13 07:50	1

Surrogate Summary

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

TestAmerica Job ID: 240-20711-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(80-121)	(70-124)	(90-115)	(84-128)
LCS 240-75079/5	Lab Control Sample	98	100	104	102

Surrogate Legend

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

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

Matrix: Solid — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(80-121)	(70-124)	(90-115)	(84-128)
240-20711-1	IA07-SS07/0.0-1.5	94	93	100	98
240-20711-1 MS	IA07-SS07/0.0-1.5	98	100	102	101
240-20711-1 MSD	IA07-SS07/0.0-1.5	99	99	104	102
240-20711-2	IA06-SS03/0.0-0.5	96	91	100	103
240-20711-3	IA06-SS07/0.0-1.0	95	91	99	99
LB 240-74670/1-A MB	Method Blank	95	93	101	100

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (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	(27-110)	(10-110)	(15-110)	(27-110)	(20-110)	(38-110)
LCS 240-74742/4-A	Lab Control Sample	52	29	86	45	54	66
LCS 240-74756/11-A	Lab Control Sample	51	45	63	60	65	60
MB 240-74742/3-A	Method Blank	63	16	77	59	50	71
MB 240-74756/10-A	Method Blank	39	20	49	43	43	61

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: 240-20711-1

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	TBP	NBZ	PHL	TPH
Lab Sample ID	**Client Sample ID**	**(27-110)**	**(10-110)**	**(15-110)**	**(27-110)**	**(20-110)**	**(38-110)**
240-20711-1	IA07-SS07/0.0-1.5	54	27	73	49	59	60
240-20711-1 MS	IA07-SS07/0.0-1.5	57	21	79	54	59	63
240-20711-2	IA06-SS03/0.0-0.5	34	11	54	39	37	54
240-20711-2 MS	IA06-SS03/0.0-0.5	38	17	59	42	43	55
240-20711-3	IA06-SS07/0.0-1.0	41	21	55	48	49	53

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)

QC Sample Results

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

TestAmerica Job ID: 240-20711-1

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

Lab Sample ID: LCS 240-75079/5
Matrix: Solid
Analysis Batch: 75079

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	1.00	0.980		mg/L		98	71 - 133
1,2-Dichloroethane	1.00	1.01		mg/L		101	81 - 114
Benzene	1.00	1.00		mg/L		100	84 - 120
Carbon tetrachloride	1.00	0.899		mg/L		90	54 - 122
Chlorobenzene	1.00	1.02		mg/L		102	86 - 111
Chloroform	1.00	0.964		mg/L		96	87 - 123
Tetrachloroethene	1.00	1.05		mg/L		105	79 - 134
Trichloroethene	1.00	1.04		mg/L		104	78 - 130
Vinyl chloride	1.00	0.797		mg/L		80	56 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 121*
4-Bromofluorobenzene (Surr)	*100*		*70 - 124*
Toluene-d8 (Surr)	*104*		*90 - 115*
Dibromofluoromethane (Surr)	*102*		*84 - 128*

Lab Sample ID: LB 240-74670/1-A MB
Matrix: Solid
Analysis Batch: 75079

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.025	0.0095	mg/L			02/12/13 15:02	1
1,2-Dichloroethane	ND		0.025	0.011	mg/L			02/12/13 15:02	1
2-Butanone (MEK)	ND		0.25	0.029	mg/L			02/12/13 15:02	1
Benzene	ND		0.025	0.0065	mg/L			02/12/13 15:02	1
Carbon tetrachloride	ND		0.025	0.0065	mg/L			02/12/13 15:02	1
Chlorobenzene	ND		0.025	0.0075	mg/L			02/12/13 15:02	1
Chloroform	ND		0.025	0.0080	mg/L			02/12/13 15:02	1
Tetrachloroethene	ND		0.025	0.015	mg/L			02/12/13 15:02	1
Trichloroethene	ND		0.025	0.0085	mg/L			02/12/13 15:02	1
Vinyl chloride	ND		0.025	0.011	mg/L			02/12/13 15:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 121*		*02/12/13 15:02*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 124*		*02/12/13 15:02*	*1*
Toluene-d8 (Surr)	*101*		*90 - 115*		*02/12/13 15:02*	*1*
Dibromofluoromethane (Surr)	*100*		*84 - 128*		*02/12/13 15:02*	*1*

Lab Sample ID: 240-20711-1 MS
Matrix: Solid
Analysis Batch: 75079

Client Sample ID: IA07-SS07/0.0-1.5
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		1.00	1.00		mg/L		100	67 - 139
1,2-Dichloroethane	ND		1.00	1.00		mg/L		100	80 - 115
Benzene	ND		1.00	0.971		mg/L		97	85 - 119
Carbon tetrachloride	ND		1.00	0.885		mg/L		89	60 - 110

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

Lab Sample ID: 240-20711-1 MS — **Client Sample ID: IA07-SS07/0.0-1.5**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 75079

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	ND		1.00	0.989		mg/L		99	85 - 113
Chloroform	ND		1.00	0.936		mg/L		94	86 - 124
Tetrachloroethene	ND		1.00	1.06		mg/L		106	74 - 138
Trichloroethene	ND		1.00	1.02		mg/L		102	75 - 134
Vinyl chloride	ND		1.00	0.828		mg/L		83	51 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 121*
4-Bromofluorobenzene (Surr)	*100*		*70 - 124*
Toluene-d8 (Surr)	*102*		*90 - 115*
Dibromofluoromethane (Surr)	*101*		*84 - 128*

Lab Sample ID: 240-20711-1 MSD — **Client Sample ID: IA07-SS07/0.0-1.5**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 75079

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		1.00	1.03		mg/L		103	67 - 139	2	30
1,2-Dichloroethane	ND		1.00	1.01		mg/L		101	80 - 115	0	30
Benzene	ND		1.00	1.00		mg/L		100	85 - 119	3	30
Carbon tetrachloride	ND		1.00	0.933		mg/L		93	60 - 110	5	30
Chlorobenzene	ND		1.00	1.01		mg/L		101	85 - 113	2	30
Chloroform	ND		1.00	0.946		mg/L		95	86 - 124	1	30
Tetrachloroethene	ND		1.00	1.05		mg/L		105	74 - 138	0	30
Trichloroethene	ND		1.00	1.04		mg/L		104	75 - 134	2	30
Vinyl chloride	ND		1.00	0.867		mg/L		87	51 - 118	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 121*
4-Bromofluorobenzene (Surr)	*99*		*70 - 124*
Toluene-d8 (Surr)	*104*		*90 - 115*
Dibromofluoromethane (Surr)	*102*		*84 - 128*

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

Lab Sample ID: MB 240-74742/3-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74982 — **Prep Batch: 74742**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0040	0.00034	mg/L		02/08/13 10:34	02/12/13 09:10	1
2,4,5-Trichlorophenol	ND		0.020	0.00030	mg/L		02/08/13 10:34	02/12/13 09:10	1
2,4,6-Trichlorophenol	ND		0.020	0.00080	mg/L		02/08/13 10:34	02/12/13 09:10	1
2,4-Dinitrotoluene	ND		0.020	0.00027	mg/L		02/08/13 10:34	02/12/13 09:10	1
Hexachlorobenzene	ND		0.020	0.00010	mg/L		02/08/13 10:34	02/12/13 09:10	1
Hexachlorobutadiene	ND		0.020	0.00027	mg/L		02/08/13 10:34	02/12/13 09:10	1
Hexachloroethane	ND		0.020	0.00080	mg/L		02/08/13 10:34	02/12/13 09:10	1

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

Lab Sample ID: MB 240-74742/3-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74982 — **Prep Batch: 74742**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		0.040	0.00075	mg/L		02/08/13 10:34	02/12/13 09:10	1
2-Methylphenol	ND		0.0040	0.00080	mg/L		02/08/13 10:34	02/12/13 09:10	1
Nitrobenzene	ND		0.0040	0.000040	mg/L		02/08/13 10:34	02/12/13 09:10	1
Pentachlorophenol	ND		0.040	0.0024	mg/L		02/08/13 10:34	02/12/13 09:10	1
Pyridine	ND		0.020	0.00035	mg/L		02/08/13 10:34	02/12/13 09:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*27 - 110*	*02/08/13 10:34*	*02/12/13 09:10*	*1*
2-Fluorophenol (Surr)	*16*		*10 - 110*	*02/08/13 10:34*	*02/12/13 09:10*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*15 - 110*	*02/08/13 10:34*	*02/12/13 09:10*	*1*
Nitrobenzene-d5 (Surr)	*59*		*27 - 110*	*02/08/13 10:34*	*02/12/13 09:10*	*1*
Phenol-d5 (Surr)	*50*		*20 - 110*	*02/08/13 10:34*	*02/12/13 09:10*	*1*
Terphenyl-d14 (Surr)	*71*		*38 - 110*	*02/08/13 10:34*	*02/12/13 09:10*	*1*

Lab Sample ID: LCS 240-74742/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74982 — **Prep Batch: 74742**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0474		mg/L		59	16 - 110
2,4,5-Trichlorophenol	0.0800	0.0583		mg/L		73	35 - 110
2,4,6-Trichlorophenol	0.0800	0.0583		mg/L		73	36 - 110
2,4-Dinitrotoluene	0.0800	0.0582		mg/L		73	49 - 110
Hexachlorobenzene	0.0800	0.0470		mg/L		59	44 - 110
Hexachlorobutadiene	0.0800	0.0349		mg/L		44	35 - 110
Hexachloroethane	0.0800	0.0347		mg/L		43	34 - 110
3 & 4 Methylphenol	0.160	0.104		mg/L		65	38 - 110
2-Methylphenol	0.0800	0.0472		mg/L		59	36 - 114
Nitrobenzene	0.0800	0.0350		mg/L		44	43 - 110
Pentachlorophenol	0.0800	0.0535		mg/L		67	10 - 122
Pyridine	0.0800	0.0424		mg/L		53	34 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*52*		*27 - 110*
2-Fluorophenol (Surr)	*29*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*86*		*15 - 110*
Nitrobenzene-d5 (Surr)	*45*		*27 - 110*
Phenol-d5 (Surr)	*54*		*20 - 110*
Terphenyl-d14 (Surr)	*66*		*38 - 110*

Lab Sample ID: MB 240-74756/10-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74975 — **Prep Batch: 74756**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0040	0.00034	mg/L		02/08/13 11:30	02/12/13 07:52	1
2,4,5-Trichlorophenol	ND		0.020	0.00030	mg/L		02/08/13 11:30	02/12/13 07:52	1
2,4,6-Trichlorophenol	ND		0.020	0.00080	mg/L		02/08/13 11:30	02/12/13 07:52	1

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

Lab Sample ID: MB 240-74756/10-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74975 — **Prep Batch: 74756**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		0.020	0.00027	mg/L		02/08/13 11:30	02/12/13 07:52	1
Hexachlorobenzene	ND		0.020	0.00010	mg/L		02/08/13 11:30	02/12/13 07:52	1
Hexachlorobutadiene	ND		0.020	0.00027	mg/L		02/08/13 11:30	02/12/13 07:52	1
Hexachloroethane	ND		0.020	0.00080	mg/L		02/08/13 11:30	02/12/13 07:52	1
3 & 4 Methylphenol	ND		0.040	0.00075	mg/L		02/08/13 11:30	02/12/13 07:52	1
2-Methylphenol	ND		0.0040	0.00080	mg/L		02/08/13 11:30	02/12/13 07:52	1
Nitrobenzene	ND		0.0040	0.000040	mg/L		02/08/13 11:30	02/12/13 07:52	1
Pentachlorophenol	ND		0.040	0.0024	mg/L		02/08/13 11:30	02/12/13 07:52	1
Pyridine	ND		0.020	0.00035	mg/L		02/08/13 11:30	02/12/13 07:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*39*		*27 - 110*	*02/08/13 11:30*	*02/12/13 07:52*	*1*
2-Fluorophenol (Surr)	*20*		*10 - 110*	*02/08/13 11:30*	*02/12/13 07:52*	*1*
2,4,6-Tribromophenol (Surr)	*49*		*15 - 110*	*02/08/13 11:30*	*02/12/13 07:52*	*1*
Nitrobenzene-d5 (Surr)	*43*		*27 - 110*	*02/08/13 11:30*	*02/12/13 07:52*	*1*
Phenol-d5 (Surr)	*43*		*20 - 110*	*02/08/13 11:30*	*02/12/13 07:52*	*1*
Terphenyl-d14 (Surr)	*61*		*38 - 110*	*02/08/13 11:30*	*02/12/13 07:52*	*1*

Lab Sample ID: LCS 240-74756/11-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74975 — **Prep Batch: 74756**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0497		mg/L		62	16 - 110
2,4,5-Trichlorophenol	0.0800	0.0540		mg/L		68	35 - 110
2,4,6-Trichlorophenol	0.0800	0.0549		mg/L		69	36 - 110
2,4-Dinitrotoluene	0.0800	0.0496		mg/L		62	49 - 110
Hexachlorobenzene	0.0800	0.0438		mg/L		55	44 - 110
Hexachlorobutadiene	0.0800	0.0382		mg/L		48	35 - 110
Hexachloroethane	0.0800	0.0424		mg/L		53	34 - 110
3 & 4 Methylphenol	0.160	0.109		mg/L		68	38 - 110
2-Methylphenol	0.0800	0.0539		mg/L		67	36 - 114
Nitrobenzene	0.0800	0.0460		mg/L		57	43 - 110
Pentachlorophenol	0.0800	0.0476		mg/L		59	10 - 122
Pyridine	0.0800	0.0515		mg/L		64	34 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*51*		*27 - 110*
2-Fluorophenol (Surr)	*45*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*63*		*15 - 110*
Nitrobenzene-d5 (Surr)	*60*		*27 - 110*
Phenol-d5 (Surr)	*65*		*20 - 110*
Terphenyl-d14 (Surr)	*60*		*38 - 110*

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

Lab Sample ID: 240-20711-1 MS — **Client Sample ID: IA07-SS07/0.0-1.5**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 74982 — **Prep Batch: 74742**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	ND		0.0800	0.0542		mg/L		68	18 - 110
2,4,5-Trichlorophenol	ND		0.0800	0.0598		mg/L		75	26 - 110
2,4,6-Trichlorophenol	ND		0.0800	0.0609		mg/L		76	16 - 110
2,4-Dinitrotoluene	ND		0.0800	0.0567		mg/L		71	26 - 110
Hexachlorobenzene	ND		0.0800	0.0477		mg/L		60	34 - 110
Hexachlorobutadiene	ND		0.0800	0.0430		mg/L		54	26 - 110
Hexachloroethane	ND		0.0800	0.0401		mg/L		50	20 - 110
3 & 4 Methylphenol	ND		0.160	0.115		mg/L		72	27 - 110
2-Methylphenol	ND		0.0800	0.0572		mg/L		71	29 - 110
Nitrobenzene	ND		0.0800	0.0416		mg/L		52	33 - 110
Pentachlorophenol	ND		0.0800	0.0551		mg/L		69	10 - 131
Pyridine	ND		0.0800	0.0455		mg/L		57	15 - 110

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*57*		*27 - 110*
2-Fluorophenol (Surr)	*21*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*79*		*15 - 110*
Nitrobenzene-d5 (Surr)	*54*		*27 - 110*
Phenol-d5 (Surr)	*59*		*20 - 110*
Terphenyl-d14 (Surr)	*63*		*38 - 110*

Lab Sample ID: 240-20711-2 MS — **Client Sample ID: IA06-SS03/0.0-0.5**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 74975 — **Prep Batch: 74756**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	ND		0.0800	0.0347		mg/L		43	18 - 110
2,4,5-Trichlorophenol	ND		0.0800	0.0461		mg/L		58	26 - 110
2,4,6-Trichlorophenol	ND		0.0800	0.0454		mg/L		57	16 - 110
2,4-Dinitrotoluene	ND		0.0800	0.0460		mg/L		58	26 - 110
Hexachlorobenzene	ND		0.0800	0.0376		mg/L		47	34 - 110
Hexachlorobutadiene	ND		0.0800	0.0266		mg/L		33	26 - 110
Hexachloroethane	ND		0.0800	0.0294		mg/L		37	20 - 110
3 & 4 Methylphenol	ND		0.160	0.0813		mg/L		51	27 - 110
2-Methylphenol	ND		0.0800	0.0389		mg/L		49	29 - 110
Nitrobenzene	ND		0.0800	0.0332		mg/L		42	33 - 110
Pentachlorophenol	ND		0.0800	0.0491		mg/L		61	10 - 131
Pyridine	ND		0.0800	0.0373		mg/L		47	15 - 110

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*38*		*27 - 110*
2-Fluorophenol (Surr)	*17*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*59*		*15 - 110*
Nitrobenzene-d5 (Surr)	*42*		*27 - 110*
Phenol-d5 (Surr)	*43*		*20 - 110*
Terphenyl-d14 (Surr)	*55*		*38 - 110*

QC Sample Results

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

TestAmerica Job ID: 240-20711-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-74761/2-A
Matrix: Solid
Analysis Batch: 74877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74761

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.0032	mg/L		02/08/13 11:42	02/11/13 21:41	1
Barium	ND		10	0.00067	mg/L		02/08/13 11:42	02/11/13 21:41	1
Cadmium	ND		0.10	0.00066	mg/L		02/08/13 11:42	02/11/13 21:41	1
Chromium	ND		0.50	0.0022	mg/L		02/08/13 11:42	02/11/13 21:41	1
Lead	ND		0.50	0.0019	mg/L		02/08/13 11:42	02/11/13 21:41	1
Selenium	ND		0.25	0.0041	mg/L		02/08/13 11:42	02/11/13 21:41	1
Silver	ND		0.50	0.0022	mg/L		02/08/13 11:42	02/11/13 21:41	1

Lab Sample ID: LCS 240-74761/3-A
Matrix: Solid
Analysis Batch: 74877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74761

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.00	2.10		mg/L		105	50 - 150
Barium	2.00	2.04	J	mg/L		102	50 - 150
Cadmium	0.0500	0.0512	J	mg/L		102	50 - 150
Chromium	0.200	0.201	J	mg/L		100	50 - 150
Lead	0.500	0.524		mg/L		105	50 - 150
Selenium	2.00	2.06		mg/L		103	50 - 150
Silver	0.0500	0.0531	J	mg/L		106	50 - 150

Lab Sample ID: MB 240-74763/2-A
Matrix: Solid
Analysis Batch: 74877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74763

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.0032	mg/L		02/08/13 12:03	02/11/13 21:00	1
Barium	ND		10	0.00067	mg/L		02/08/13 12:03	02/11/13 21:00	1
Cadmium	ND		0.10	0.00066	mg/L		02/08/13 12:03	02/11/13 21:00	1
Chromium	ND		0.50	0.0022	mg/L		02/08/13 12:03	02/11/13 21:00	1
Lead	ND		0.50	0.0019	mg/L		02/08/13 12:03	02/11/13 21:00	1
Selenium	ND		0.25	0.0041	mg/L		02/08/13 12:03	02/11/13 21:00	1
Silver	ND		0.50	0.0022	mg/L		02/08/13 12:03	02/11/13 21:00	1

Lab Sample ID: LCS 240-74763/3-A
Matrix: Solid
Analysis Batch: 74877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.00	2.11		mg/L		105	50 - 150
Barium	2.00	2.17	J	mg/L		108	50 - 150
Cadmium	0.0500	0.0534	J	mg/L		107	50 - 150
Chromium	0.200	0.209	J	mg/L		105	50 - 150
Lead	0.500	0.540		mg/L		108	50 - 150
Selenium	2.00	2.08		mg/L		104	50 - 150
Silver	0.0500	0.0537	J	mg/L		107	50 - 150

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

Lab Sample ID: LB 240-74672/1-C LB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 74877 — **Prep Batch: 74761**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.0032	mg/L		02/08/13 11:42	02/11/13 21:35	1
Barium	0.00232	J	10	0.00067	mg/L		02/08/13 11:42	02/11/13 21:35	1
Cadmium	ND		0.10	0.00066	mg/L		02/08/13 11:42	02/11/13 21:35	1
Chromium	ND		0.50	0.0022	mg/L		02/08/13 11:42	02/11/13 21:35	1
Lead	0.0129	J	0.50	0.0019	mg/L		02/08/13 11:42	02/11/13 21:35	1
Selenium	ND		0.25	0.0041	mg/L		02/08/13 11:42	02/11/13 21:35	1
Silver	ND		0.50	0.0022	mg/L		02/08/13 11:42	02/11/13 21:35	1

Lab Sample ID: LB 240-74673/1-B LB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 74877 — **Prep Batch: 74763**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.0032	mg/L		02/08/13 12:03	02/11/13 20:42	1
Barium	ND		10	0.00067	mg/L		02/08/13 12:03	02/11/13 20:42	1
Cadmium	ND		0.10	0.00066	mg/L		02/08/13 12:03	02/11/13 20:42	1
Chromium	ND		0.50	0.0022	mg/L		02/08/13 12:03	02/11/13 20:42	1
Lead	0.00442	J	0.50	0.0019	mg/L		02/08/13 12:03	02/11/13 20:42	1
Selenium	ND		0.25	0.0041	mg/L		02/08/13 12:03	02/11/13 20:42	1
Silver	ND		0.50	0.0022	mg/L		02/08/13 12:03	02/11/13 20:42	1

Lab Sample ID: 240-20711-1 MS — **Client Sample ID: IA07-SS07/0.0-1.5**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 74877 — **Prep Batch: 74763**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.13	J	5.00	5.64		mg/L		110	50 - 150
Barium	1.4	J	50.0	55.2		mg/L		108	50 - 150
Cadmium	ND		1.00	1.08		mg/L		108	50 - 150
Chromium	ND		5.00	5.31		mg/L		106	50 - 150
Lead	0.0073	J B	5.00	5.44		mg/L		109	50 - 150
Selenium	ND		1.00	1.08	J	mg/L		108	50 - 150
Silver	ND		1.00	1.10	J	mg/L		110	50 - 150

Lab Sample ID: 240-20711-1 MSD — **Client Sample ID: IA07-SS07/0.0-1.5**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 74877 — **Prep Batch: 74763**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.13	J	5.00	5.26		mg/L		103	50 - 150	7	20
Barium	1.4	J	50.0	51.4		mg/L		100	50 - 150	7	20
Cadmium	ND		1.00	1.01		mg/L		101	50 - 150	7	20
Chromium	ND		5.00	4.97		mg/L		99	50 - 150	7	20
Lead	0.0073	J B	5.00	5.08		mg/L		101	50 - 150	7	20
Selenium	ND		1.00	1.00	J	mg/L		100	50 - 150	7	20
Silver	ND		1.00	1.02	J	mg/L		102	50 - 150	7	20

QC Sample Results

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

TestAmerica Job ID: 240-20711-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-74762/2-A
Matrix: Solid
Analysis Batch: 75008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74762

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020	0.00012	mg/L		02/08/13 16:00	02/11/13 15:44	1

Lab Sample ID: LCS 240-74762/3-A
Matrix: Solid
Analysis Batch: 75008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74762

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00530		mg/L		106	50 - 150

Lab Sample ID: MB 240-74764/2-A
Matrix: Solid
Analysis Batch: 75008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74764

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020	0.00012	mg/L		02/08/13 16:00	02/11/13 17:00	1

Lab Sample ID: LCS 240-74764/3-A
Matrix: Solid
Analysis Batch: 75008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74764

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00537		mg/L		107	50 - 150

Lab Sample ID: LB 240-74672/1-D LB
Matrix: Solid
Analysis Batch: 75008

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 74762

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020	0.00012	mg/L		02/08/13 16:00	02/11/13 15:43	1

Lab Sample ID: LB 240-74673/1-C LB
Matrix: Solid
Analysis Batch: 75008

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 74764

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020	0.00012	mg/L		02/08/13 16:00	02/11/13 16:59	1

Lab Sample ID: 240-20711-1 MS
Matrix: Solid
Analysis Batch: 75008

Client Sample ID: IA07-SS07/0.0-1.5
Prep Type: TCLP
Prep Batch: 74764

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00500	0.00520		mg/L		104	50 - 150

Lab Sample ID: 240-20711-1 MSD
Matrix: Solid
Analysis Batch: 75008

Client Sample ID: IA07-SS07/0.0-1.5
Prep Type: TCLP
Prep Batch: 74764

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00500	0.00521		mg/L		104	50 - 150	0	20

QC Sample Results

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

TestAmerica Job ID: 240-20711-1

Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 240-74757/1
Matrix: Solid
Analysis Batch: 74757

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	79.00		Degrees F		98	97 - 103

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-75032/1-A
Matrix: Solid
Analysis Batch: 75119

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 75032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.49	0.097	mg/Kg		02/12/13 11:08	02/12/13 17:02	1

Lab Sample ID: LCS 240-75032/2-A
Matrix: Solid
Analysis Batch: 75119

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	2.54	2.37		mg/Kg		93	68 - 123

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 240-74598/11-A
Matrix: Solid
Analysis Batch: 74651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74598

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		30	22	mg/Kg		02/07/13 10:17	02/07/13 14:46	1

Lab Sample ID: LCS 240-74598/12-A
Matrix: Solid
Analysis Batch: 74651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74598

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	95.0	77.4		mg/Kg		81	70 - 130

Lab Sample ID: 240-20711-3 MS
Matrix: Solid
Analysis Batch: 74651

Client Sample ID: IA06-SS07/0.0-1.0
Prep Type: Total/NA
Prep Batch: 74598

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	ND		117	60.0		mg/Kg	☼	51	10 - 154

Lab Sample ID: 240-20711-3 MSD
Matrix: Solid
Analysis Batch: 74651

Client Sample ID: IA06-SS07/0.0-1.0
Prep Type: Total/NA
Prep Batch: 74598

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	ND		118	90.7	F	mg/Kg	☼	77	10 - 154	41	20

QC Sample Results

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

TestAmerica Job ID: 240-20711-1

Method: 9045C - pH

Lab Sample ID: LCS 240-74644/2
Matrix: Solid
Analysis Batch: 74644

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
corrosivity by pH			5.52	5.550		SU		101	97 - 103		

Method: 9095A - Paint Filter

Lab Sample ID: 240-20711-1 DU
Matrix: Solid
Analysis Batch: 74841

Client Sample ID: IA07-SS07/0.0-1.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Free Liquid	POS			POS		NONE				NC	20

QC Association Summary

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

TestAmerica Job ID: 240-20711-1

GC/MS VOA

Leach Batch: 74670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	TCLP	Solid	1311	
240-20711-1 MS	IA07-SS07/0.0-1.5	TCLP	Solid	1311	
240-20711-1 MSD	IA07-SS07/0.0-1.5	TCLP	Solid	1311	
240-20711-2	IA06-SS03/0.0-0.5	TCLP	Solid	1311	
240-20711-3	IA06-SS07/0.0-1.0	TCLP	Solid	1311	
LB 240-74670/1-A MB	Method Blank	TCLP	Solid	1311	

Analysis Batch: 75079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	TCLP	Solid	8260B	74670
240-20711-1 MS	IA07-SS07/0.0-1.5	TCLP	Solid	8260B	74670
240-20711-1 MSD	IA07-SS07/0.0-1.5	TCLP	Solid	8260B	74670
240-20711-2	IA06-SS03/0.0-0.5	TCLP	Solid	8260B	74670
240-20711-3	IA06-SS07/0.0-1.0	TCLP	Solid	8260B	74670
LB 240-74670/1-A MB	Method Blank	TCLP	Solid	8260B	74670
LCS 240-75079/5	Lab Control Sample	Total/NA	Solid	8260B	

GC/MS Semi VOA

Leach Batch: 74672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-2	IA06-SS03/0.0-0.5	TCLP	Solid	1311	
240-20711-2 MS	IA06-SS03/0.0-0.5	TCLP	Solid	1311	
240-20711-3	IA06-SS07/0.0-1.0	TCLP	Solid	1311	

Leach Batch: 74673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	TCLP	Solid	1311	
240-20711-1 MS	IA07-SS07/0.0-1.5	TCLP	Solid	1311	

Prep Batch: 74742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	TCLP	Solid	3520C	74673
240-20711-1 MS	IA07-SS07/0.0-1.5	TCLP	Solid	3520C	74673
LCS 240-74742/4-A	Lab Control Sample	Total/NA	Solid	3520C	
MB 240-74742/3-A	Method Blank	Total/NA	Solid	3520C	

Prep Batch: 74756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-2	IA06-SS03/0.0-0.5	TCLP	Solid	3520C	74672
240-20711-2 MS	IA06-SS03/0.0-0.5	TCLP	Solid	3520C	74672
240-20711-3	IA06-SS07/0.0-1.0	TCLP	Solid	3520C	74672
LCS 240-74756/11-A	Lab Control Sample	Total/NA	Solid	3520C	
MB 240-74756/10-A	Method Blank	Total/NA	Solid	3520C	

Analysis Batch: 74975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-2	IA06-SS03/0.0-0.5	TCLP	Solid	8270C	74756
240-20711-2 MS	IA06-SS03/0.0-0.5	TCLP	Solid	8270C	74756
240-20711-3	IA06-SS07/0.0-1.0	TCLP	Solid	8270C	74756

GC/MS Semi VOA (Continued)

Analysis Batch: 74975 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-74756/11-A	Lab Control Sample	Total/NA	Solid	8270C	74756
MB 240-74756/10-A	Method Blank	Total/NA	Solid	8270C	74756

Analysis Batch: 74982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	TCLP	Solid	8270C	74742
240-20711-1 MS	IA07-SS07/0.0-1.5	TCLP	Solid	8270C	74742
LCS 240-74742/4-A	Lab Control Sample	Total/NA	Solid	8270C	74742
MB 240-74742/3-A	Method Blank	Total/NA	Solid	8270C	74742

Metals

Leach Batch: 74672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-2	IA06-SS03/0.0-0.5	TCLP	Solid	1311	
240-20711-3	IA06-SS07/0.0-1.0	TCLP	Solid	1311	
LB 240-74672/1-C LB	Method Blank	TCLP	Solid	1311	
LB 240-74672/1-D LB	Method Blank	TCLP	Solid	1311	

Leach Batch: 74673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	TCLP	Solid	1311	
240-20711-1 MS	IA07-SS07/0.0-1.5	TCLP	Solid	1311	
240-20711-1 MSD	IA07-SS07/0.0-1.5	TCLP	Solid	1311	
LB 240-74673/1-B LB	Method Blank	TCLP	Solid	1311	
LB 240-74673/1-C LB	Method Blank	TCLP	Solid	1311	

Prep Batch: 74761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-2	IA06-SS03/0.0-0.5	TCLP	Solid	3010A	74672
240-20711-3	IA06-SS07/0.0-1.0	TCLP	Solid	3010A	74672
LB 240-74672/1-C LB	Method Blank	TCLP	Solid	3010A	74672
LCS 240-74761/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 240-74761/2-A	Method Blank	Total/NA	Solid	3010A	

Prep Batch: 74762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-2	IA06-SS03/0.0-0.5	TCLP	Solid	7470A	74672
240-20711-3	IA06-SS07/0.0-1.0	TCLP	Solid	7470A	74672
LB 240-74672/1-D LB	Method Blank	TCLP	Solid	7470A	74672
LCS 240-74762/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 240-74762/2-A	Method Blank	Total/NA	Solid	7470A	

Prep Batch: 74763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	TCLP	Solid	3010A	74673
240-20711-1 MS	IA07-SS07/0.0-1.5	TCLP	Solid	3010A	74673
240-20711-1 MSD	IA07-SS07/0.0-1.5	TCLP	Solid	3010A	74673
LB 240-74673/1-B LB	Method Blank	TCLP	Solid	3010A	74673
LCS 240-74763/3-A	Lab Control Sample	Total/NA	Solid	3010A	

Metals (Continued)

Prep Batch: 74763 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-74763/2-A	Method Blank	Total/NA	Solid	3010A	

Prep Batch: 74764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	TCLP	Solid	7470A	74673
240-20711-1 MS	IA07-SS07/0.0-1.5	TCLP	Solid	7470A	74673
240-20711-1 MSD	IA07-SS07/0.0-1.5	TCLP	Solid	7470A	74673
LB 240-74673/1-C LB	Method Blank	TCLP	Solid	7470A	74673
LCS 240-74764/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 240-74764/2-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 74877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	TCLP	Solid	6010B	74763
240-20711-1 MS	IA07-SS07/0.0-1.5	TCLP	Solid	6010B	74763
240-20711-1 MSD	IA07-SS07/0.0-1.5	TCLP	Solid	6010B	74763
240-20711-2	IA06-SS03/0.0-0.5	TCLP	Solid	6010B	74761
240-20711-3	IA06-SS07/0.0-1.0	TCLP	Solid	6010B	74761
LB 240-74672/1-C LB	Method Blank	TCLP	Solid	6010B	74761
LB 240-74673/1-B LB	Method Blank	TCLP	Solid	6010B	74763
LCS 240-74761/3-A	Lab Control Sample	Total/NA	Solid	6010B	74761
LCS 240-74763/3-A	Lab Control Sample	Total/NA	Solid	6010B	74763
MB 240-74761/2-A	Method Blank	Total/NA	Solid	6010B	74761
MB 240-74763/2-A	Method Blank	Total/NA	Solid	6010B	74763

Analysis Batch: 75008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	TCLP	Solid	7470A	74764
240-20711-1 MS	IA07-SS07/0.0-1.5	TCLP	Solid	7470A	74764
240-20711-1 MSD	IA07-SS07/0.0-1.5	TCLP	Solid	7470A	74764
240-20711-2	IA06-SS03/0.0-0.5	TCLP	Solid	7470A	74762
240-20711-3	IA06-SS07/0.0-1.0	TCLP	Solid	7470A	74762
LB 240-74672/1-D LB	Method Blank	TCLP	Solid	7470A	74762
LB 240-74673/1-C LB	Method Blank	TCLP	Solid	7470A	74764
LCS 240-74762/3-A	Lab Control Sample	Total/NA	Solid	7470A	74762
LCS 240-74764/3-A	Lab Control Sample	Total/NA	Solid	7470A	74764
MB 240-74762/2-A	Method Blank	Total/NA	Solid	7470A	74762
MB 240-74764/2-A	Method Blank	Total/NA	Solid	7470A	74764

General Chemistry

Analysis Batch: 74526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	Total/NA	Solid	Moisture	
240-20711-2	IA06-SS03/0.0-0.5	Total/NA	Solid	Moisture	
240-20711-3	IA06-SS07/0.0-1.0	Total/NA	Solid	Moisture	
240-20711-3 DU	IA06-SS07/0.0-1.0	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Prep Batch: 74598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	Total/NA	Solid	9030B	
240-20711-2	IA06-SS03/0.0-0.5	Total/NA	Solid	9030B	
240-20711-3	IA06-SS07/0.0-1.0	Total/NA	Solid	9030B	
240-20711-3 MS	IA06-SS07/0.0-1.0	Total/NA	Solid	9030B	
240-20711-3 MSD	IA06-SS07/0.0-1.0	Total/NA	Solid	9030B	
LCS 240-74598/12-A	Lab Control Sample	Total/NA	Solid	9030B	
MB 240-74598/11-A	Method Blank	Total/NA	Solid	9030B	

Analysis Batch: 74644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	Total/NA	Solid	9045C	
240-20711-2	IA06-SS03/0.0-0.5	Total/NA	Solid	9045C	
240-20711-3	IA06-SS07/0.0-1.0	Total/NA	Solid	9045C	
LCS 240-74644/2	Lab Control Sample	Total/NA	Solid	9045C	

Analysis Batch: 74651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	Total/NA	Solid	9034	74598
240-20711-2	IA06-SS03/0.0-0.5	Total/NA	Solid	9034	74598
240-20711-3	IA06-SS07/0.0-1.0	Total/NA	Solid	9034	74598
240-20711-3 MS	IA06-SS07/0.0-1.0	Total/NA	Solid	9034	74598
240-20711-3 MSD	IA06-SS07/0.0-1.0	Total/NA	Solid	9034	74598
LCS 240-74598/12-A	Lab Control Sample	Total/NA	Solid	9034	74598
MB 240-74598/11-A	Method Blank	Total/NA	Solid	9034	74598

Analysis Batch: 74757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	Total/NA	Solid	1010	
240-20711-2	IA06-SS03/0.0-0.5	Total/NA	Solid	1010	
240-20711-3	IA06-SS07/0.0-1.0	Total/NA	Solid	1010	
LCS 240-74757/1	Lab Control Sample	Total/NA	Solid	1010	

Analysis Batch: 74841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	Total/NA	Solid	9095A	
240-20711-1 DU	IA07-SS07/0.0-1.5	Total/NA	Solid	9095A	
240-20711-2	IA06-SS03/0.0-0.5	Total/NA	Solid	9095A	
240-20711-3	IA06-SS07/0.0-1.0	Total/NA	Solid	9095A	

Prep Batch: 75032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	Total/NA	Solid	9012A	
240-20711-2	IA06-SS03/0.0-0.5	Total/NA	Solid	9012A	
240-20711-3	IA06-SS07/0.0-1.0	Total/NA	Solid	9012A	
LCS 240-75032/2-A	Lab Control Sample	Total/NA	Solid	9012A	
MB 240-75032/1-A	Method Blank	Total/NA	Solid	9012A	

Analysis Batch: 75119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-1	IA07-SS07/0.0-1.5	Total/NA	Solid	9012A	75032
240-20711-2	IA06-SS03/0.0-0.5	Total/NA	Solid	9012A	75032

General Chemistry (Continued)

Analysis Batch: 75119 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20711-3	IA06-SS07/0.0-1.0	Total/NA	Solid	9012A	75032
LCS 240-75032/2-A	Lab Control Sample	Total/NA	Solid	9012A	75032
MB 240-75032/1-A	Method Blank	Total/NA	Solid	9012A	75032

Client Sample ID: IA07-SS07/0.0-1.5

Lab Sample ID: 240-20711-1

Date Collected: 02/04/13 15:00

Matrix: Solid

Date Received: 02/05/13 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			74670	02/07/13 17:40	DJ	TAL NC
TCLP	Analysis	8260B		1	75079	02/12/13 15:55	TL	TAL NC
TCLP	Leach	1311			74673	02/07/13 17:40	DJ	TAL NC
TCLP	Prep	3520C			74742	02/08/13 10:34	BM	TAL NC
TCLP	Analysis	8270C		1	74982	02/12/13 13:40	MU	TAL NC
TCLP	Leach	1311			74673	02/07/13 17:40	DJ	TAL NC
TCLP	Prep	3010A			74763	02/08/13 12:03	LM	TAL NC
TCLP	Analysis	6010B		1	74877	02/11/13 21:12	KC	TAL NC
TCLP	Prep	7470A			74764	02/08/13 16:00	LM	TAL NC
TCLP	Analysis	7470A		1	75008	02/11/13 17:03	DH	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:57	AM	TAL NC
Total/NA	Analysis	9045C		1	74644	02/07/13 14:37	AM	TAL NC
Total/NA	Prep	9030B			74598	02/07/13 10:17	JB	TAL NC
Total/NA	Analysis	9034		1	74651	02/07/13 14:46	JB	TAL NC
Total/NA	Analysis	1010		1	74757	02/08/13 10:22	BW	TAL NC
Total/NA	Analysis	9095A		1	74841	02/11/13 07:50	JK	TAL NC
Total/NA	Prep	9012A			75032	02/12/13 11:08	AM	TAL NC
Total/NA	Analysis	9012A		1	75119	02/12/13 17:02	AM	TAL NC

Client Sample ID: IA06-SS03/0.0-0.5

Lab Sample ID: 240-20711-2

Date Collected: 02/05/13 10:30

Matrix: Solid

Date Received: 02/05/13 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			74670	02/07/13 17:40	DJ	TAL NC
TCLP	Analysis	8260B		1	75079	02/12/13 16:21	TL	TAL NC
TCLP	Leach	1311			74672	02/07/13 17:40	DJ	TAL NC
TCLP	Prep	3520C			74756	02/08/13 11:30	BM	TAL NC
TCLP	Analysis	8270C		1	74975	02/12/13 10:03	TH	TAL NC
TCLP	Leach	1311			74672	02/07/13 17:40	DJ	TAL NC
TCLP	Prep	3010A			74761	02/08/13 11:42	LM	TAL NC
TCLP	Analysis	6010B		1	74877	02/11/13 22:29	KC	TAL NC
TCLP	Prep	7470A			74762	02/08/13 16:00	LM	TAL NC
TCLP	Analysis	7470A		1	75008	02/11/13 16:13	DH	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:57	AM	TAL NC
Total/NA	Analysis	9045C		1	74644	02/07/13 14:46	AM	TAL NC
Total/NA	Prep	9030B			74598	02/07/13 10:17	JB	TAL NC
Total/NA	Analysis	9034		1	74651	02/07/13 14:46	JB	TAL NC
Total/NA	Analysis	1010		1	74757	02/08/13 10:55	BW	TAL NC
Total/NA	Analysis	9095A		1	74841	02/11/13 07:50	JK	TAL NC
Total/NA	Prep	9012A			75032	02/12/13 11:08	AM	TAL NC
Total/NA	Analysis	9012A		1	75119	02/12/13 17:02	AM	TAL NC

Lab Chronicle

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

TestAmerica Job ID: 240-20711-1

Client Sample ID: IA06-SS07/0.0-1.0
Date Collected: 02/05/13 12:30
Date Received: 02/05/13 17:30

Lab Sample ID: 240-20711-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			74670	02/07/13 17:40	DJ	TAL NC
TCLP	Analysis	8260B		1	75079	02/12/13 16:46	TL	TAL NC
TCLP	Leach	1311			74672	02/07/13 17:40	DJ	TAL NC
TCLP	Prep	3520C			74756	02/08/13 11:30	BM	TAL NC
TCLP	Analysis	8270C		1	74975	02/12/13 10:47	TH	TAL NC
TCLP	Leach	1311			74672	02/07/13 17:40	DJ	TAL NC
TCLP	Prep	3010A			74761	02/08/13 11:42	LM	TAL NC
TCLP	Analysis	6010B		1	74877	02/11/13 22:35	KC	TAL NC
TCLP	Prep	7470A			74762	02/08/13 16:00	LM	TAL NC
TCLP	Analysis	7470A		1	75008	02/11/13 16:04	DH	TAL NC
Total/NA	Analysis	Moisture		1	74526	02/06/13 17:57	AM	TAL NC
Total/NA	Analysis	9045C		1	74644	02/07/13 14:56	AM	TAL NC
Total/NA	Prep	9030B			74598	02/07/13 10:17	JB	TAL NC
Total/NA	Analysis	9034		1	74651	02/07/13 14:46	JB	TAL NC
Total/NA	Analysis	1010		1	74757	02/08/13 11:27	BW	TAL NC
Total/NA	Analysis	9095A		1	74841	02/11/13 07:50	JK	TAL NC
Total/NA	Prep	9012A			75032	02/12/13 11:08	AM	TAL NC
Total/NA	Analysis	9012A		1	75119	02/12/13 17:02	AM	TAL NC

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 240-20711-1

Laboratory: TestAmerica Canton

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

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

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
TRC Environmental Corp	Ktenscher@trcsolutions.com	2/5/13	001847
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 **of** 1
1382 W. 9th St., Suite 200	216.344.3072 / 216.344.3073	N. Canton	
City / **State** / **Zip Code**	**Site Contact** / **Lab Contact**		
Cleveland, OH 44113	M. Bitho / P. Omerca		
Project Name and Location (State)	**Carrier/Waybill Number**		
CDF, Canton, OH	Drop Off		
Contract/Purchase Order/Quote No.			
196663.00			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): TCLP VOC	TCLP SVOC	TCLP Metals	Reactive Cyanide	Reactive Sulfide	Corrosivity	Ignitability	Rainfilter	Special Instructions/ Conditions of Receipt
IA07-SS07/0.0-1.5	2/4/13	1500			X		2						X	X	X	X	X	X	X	X	
IA06-SS03/0.0-0.5	2/5/13	1030			X		4						X	X	X	X	X	X	X	X	
IA06-SS07/W/0.0-1.0	2/5/13	1230			X		2						X	X	X	X	X	X	X	X	

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 3 Days to 5 Days

QC Requirements (Specify): Waste Chara

	Date	Time		Date	Time
1. Relinquished By: [signature]	2/5/13	1730	1. Received By: [signature]	2/5/13	1730
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Canton Sample Receipt Form/Narrative Login # : 20711

Client TRC Site Name _____ By: _____ (Signature)

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

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

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

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

1. Cooler temperature upon receipt
   - IR GUN# 1 (CF -2 °C) Observed Sample Temp. ____ °C Corrected Sample Temp. ____ °C
   - IR GUN# 4G (CF 0 °C) Observed Sample Temp. ____ °C Corrected Sample Temp. ____ °C
   - 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 2 Yes No
   - -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   - -Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA
11. Were VOAs on the COC? CSL 2/6/13 Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
9	<2 NA TO this Lot	2/6/13	CSL
10	<2	↓	↓

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
A56	2.8	2.8	8	ice
A618	3.3 Only this cooler	3.3	↓	↓

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