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: 240-17222-1
Client Project/Site: Canton Drop Forge

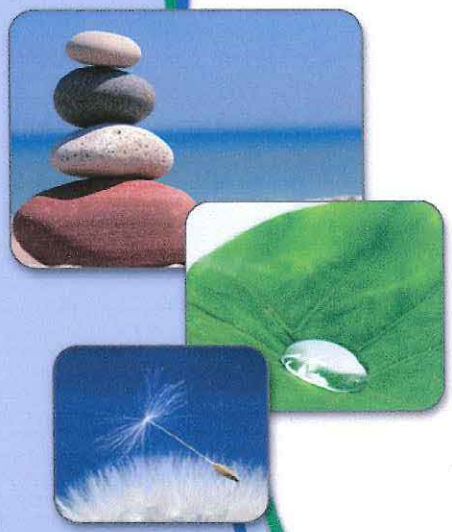
For:
TRC Environmental Corp-Payne Firm
1382 West Ninth Street
Cleveland, Ohio 44113

Attn: Kathleen Teuscher

Patrick O'Meara

Authorized for release by:
11/21/2012 4:41:35 PM

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



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

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Definitions/Glossary

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

TestAmerica Job ID: 240-17222-1

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.

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.

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)

CASE NARRATIVE

Client: TRC Environmental Corp-Payne Firm

Project: Canton Drop Forge

Report Number: 240-17222-1

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

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

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

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

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

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

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

RECEIPT

The samples were received on 11/07/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.1 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WT-01 (240-17222-1), PW-02 (240-17222-2) and TB-01 (240-17222-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/15/2012.

1,2-Dichloropropane and Trichloroethene failed the recovery criteria high for the MSD of sample 240-17213-4 in batch 240-65166.

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

TOTAL RECOVERABLE METALS (ICP)

Samples WT-01 (240-17222-1) and PW-02 (240-17222-2) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/08/2012 and analyzed on 11/09/2012.

Arsenic and Barium were detected in method blank MB 240-64209/1-A 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. Barium and Lead were detected in method blank MB 240-64215/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged

Job ID: 240-17222-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

"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.

TOTAL MERCURY

Samples WT-01 (240-17222-1) and PW-02 (240-17222-2) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 11/09/2012 and analyzed on 11/13/2012.

No difficulties were encountered during the mercury 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: 240-17222-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
6010B	Metals (ICP)	SW846	TAL NC
7470A	Mercury (CVAA)	SW846	TAL NC

Protocol References:

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: 240-17222-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-17222-1	WT-01	Water	11/07/12 15:30	11/07/12 16:35
240-17222-2	PW-02	Water	11/07/12 15:45	11/07/12 16:35
240-17222-3	TB-01	Water	11/07/12 00:00	11/07/12 16:35

Detection Summary

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

TestAmerica Job ID: 240-17222-1

Client Sample ID: WT-01 — Lab Sample ID: 240-17222-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromodichloromethane	1.5		1.0	0.15	ug/L	1		8260B	Total/NA
Chloroform	1.1		1.0	0.16	ug/L	1		8260B	Total/NA
Dibromochloromethane	1.5		1.0	0.18	ug/L	1		8260B	Total/NA
Barium	180	J B	200	0.67	ug/L	1		6010B	Total Recoverable
Arsenic	5.9	J	10	3.2	ug/L	1		6010B	Total Recoverable
Lead	3.6	B	3.0	1.9	ug/L	1		6010B	Total Recoverable

Client Sample ID: PW-02 — Lab Sample ID: 240-17222-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromodichloromethane	0.38	J	1.0	0.15	ug/L	1		8260B	Total/NA
Chloroform	0.41	J	1.0	0.16	ug/L	1		8260B	Total/NA
Dibromochloromethane	0.20	J	1.0	0.18	ug/L	1		8260B	Total/NA
Barium	160	J B	200	0.67	ug/L	1		6010B	Total Recoverable
Arsenic	6.0	J B	10	3.2	ug/L	1		6010B	Total Recoverable

Client Sample ID: TB-01 — Lab Sample ID: 240-17222-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.71	J	1.0	0.33	ug/L	1		8260B	Total/NA

Client Sample Results

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

TestAmerica Job ID: 240-17222-1

Client Sample ID: WT-01

Lab Sample ID: 240-17222-1

Date Collected: 11/07/12 15:30
Date Received: 11/07/12 16:35

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			11/15/12 14:37	1
Benzene	ND		1.0	0.13	ug/L			11/15/12 14:37	1
Bromodichloromethane	**1.5**		1.0	0.15	ug/L			11/15/12 14:37	1
Bromoform	ND		1.0	0.64	ug/L			11/15/12 14:37	1
Bromomethane	ND		1.0	0.41	ug/L			11/15/12 14:37	1
2-Butanone (MEK)	ND		10	0.57	ug/L			11/15/12 14:37	1
Carbon disulfide	ND		1.0	0.13	ug/L			11/15/12 14:37	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			11/15/12 14:37	1
Chlorobenzene	ND		1.0	0.15	ug/L			11/15/12 14:37	1
Chloroethane	ND		1.0	0.29	ug/L			11/15/12 14:37	1
Chloroform	**1.1**		1.0	0.16	ug/L			11/15/12 14:37	1
Chloromethane	ND		1.0	0.30	ug/L			11/15/12 14:37	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			11/15/12 14:37	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			11/15/12 14:37	1
Dibromochloromethane	**1.5**		1.0	0.18	ug/L			11/15/12 14:37	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			11/15/12 14:37	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			11/15/12 14:37	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			11/15/12 14:37	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			11/15/12 14:37	1
Ethylbenzene	ND		1.0	0.17	ug/L			11/15/12 14:37	1
2-Hexanone	ND		10	0.41	ug/L			11/15/12 14:37	1
Methylene Chloride	ND		1.0	0.33	ug/L			11/15/12 14:37	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			11/15/12 14:37	1
Styrene	ND		1.0	0.11	ug/L			11/15/12 14:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			11/15/12 14:37	1
Tetrachloroethene	ND		1.0	0.29	ug/L			11/15/12 14:37	1
Toluene	ND		1.0	0.13	ug/L			11/15/12 14:37	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			11/15/12 14:37	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			11/15/12 14:37	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			11/15/12 14:37	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			11/15/12 14:37	1
Trichloroethene	ND		1.0	0.17	ug/L			11/15/12 14:37	1
Vinyl chloride	ND		1.0	0.22	ug/L			11/15/12 14:37	1
Xylenes, Total	ND		2.0	0.28	ug/L			11/15/12 14:37	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			11/15/12 14:37	1
n-Hexane	ND		1.0	0.26	ug/L			11/15/12 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*66 - 117*		*11/15/12 14:37*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 121*		*11/15/12 14:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 129*		*11/15/12 14:37*	*1*
Toluene-d8 (Surr)	*96*		*74 - 115*		*11/15/12 14:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**180**	**J B**	200	0.67	ug/L		11/08/12 07:20	11/09/12 16:52	1
Cadmium	ND		2.0	0.66	ug/L		11/08/12 07:20	11/09/12 16:52	1
Chromium	ND		5.0	2.2	ug/L		11/08/12 07:20	11/09/12 16:52	1
Silver	ND		5.0	2.2	ug/L		11/08/12 07:20	11/09/12 16:52	1
Arsenic	**5.9**	**J**	10	3.2	ug/L		11/08/12 07:20	11/09/12 16:52	1

Client Sample Results

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

TestAmerica Job ID: 240-17222-1

Client Sample ID: WT-01
Date Collected: 11/07/12 15:30
Date Received: 11/07/12 16:35

Lab Sample ID: 240-17222-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.6	B	3.0	1.9	ug/L		11/08/12 07:20	11/09/12 16:52	1
Selenium	ND		5.0	4.1	ug/L		11/08/12 07:20	11/09/12 16:52	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		11/09/12 15:25	11/13/12 17:23	1

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Client Sample Results

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

TestAmerica Job ID: 240-17222-1

Client Sample ID: PW-02

Lab Sample ID: 240-17222-2

Date Collected: 11/07/12 15:45
Date Received: 11/07/12 16:35

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			11/15/12 14:59	1
Benzene	ND		1.0	0.13	ug/L			11/15/12 14:59	1
Bromodichloromethane	**0.38**	J	1.0	0.15	ug/L			11/15/12 14:59	1
Bromoform	ND		1.0	0.64	ug/L			11/15/12 14:59	1
Bromomethane	ND		1.0	0.41	ug/L			11/15/12 14:59	1
2-Butanone (MEK)	ND		10	0.57	ug/L			11/15/12 14:59	1
Carbon disulfide	ND		1.0	0.13	ug/L			11/15/12 14:59	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			11/15/12 14:59	1
Chlorobenzene	ND		1.0	0.15	ug/L			11/15/12 14:59	1
Chloroethane	ND		1.0	0.29	ug/L			11/15/12 14:59	1
Chloroform	**0.41**	J	1.0	0.16	ug/L			11/15/12 14:59	1
Chloromethane	ND		1.0	0.30	ug/L			11/15/12 14:59	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			11/15/12 14:59	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			11/15/12 14:59	1
Dibromochloromethane	**0.20**	J	1.0	0.18	ug/L			11/15/12 14:59	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			11/15/12 14:59	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			11/15/12 14:59	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			11/15/12 14:59	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			11/15/12 14:59	1
Ethylbenzene	ND		1.0	0.17	ug/L			11/15/12 14:59	1
2-Hexanone	ND		10	0.41	ug/L			11/15/12 14:59	1
Methylene Chloride	ND		1.0	0.33	ug/L			11/15/12 14:59	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			11/15/12 14:59	1
Styrene	ND		1.0	0.11	ug/L			11/15/12 14:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			11/15/12 14:59	1
Tetrachloroethene	ND		1.0	0.29	ug/L			11/15/12 14:59	1
Toluene	ND		1.0	0.13	ug/L			11/15/12 14:59	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			11/15/12 14:59	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			11/15/12 14:59	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			11/15/12 14:59	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			11/15/12 14:59	1
Trichloroethene	ND		1.0	0.17	ug/L			11/15/12 14:59	1
Vinyl chloride	ND		1.0	0.22	ug/L			11/15/12 14:59	1
Xylenes, Total	ND		2.0	0.28	ug/L			11/15/12 14:59	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			11/15/12 14:59	1
n-Hexane	ND		1.0	0.26	ug/L			11/15/12 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*66 - 117*		*11/15/12 14:59*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 121*		*11/15/12 14:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 129*		*11/15/12 14:59*	*1*
Toluene-d8 (Surr)	*93*		*74 - 115*		*11/15/12 14:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**160**	J B	200	0.67	ug/L		11/08/12 06:25	11/09/12 19:02	1
Cadmium	ND		2.0	0.66	ug/L		11/08/12 06:25	11/09/12 19:02	1
Chromium	ND		5.0	2.2	ug/L		11/08/12 06:25	11/09/12 19:02	1
Silver	ND		5.0	2.2	ug/L		11/08/12 06:25	11/09/12 19:02	1
Arsenic	**6.0**	J B	10	3.2	ug/L		11/08/12 06:25	11/09/12 19:02	1

Client Sample Results

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

TestAmerica Job ID: 240-17222-1

Client Sample ID: PW-02

Lab Sample ID: 240-17222-2

Date Collected: 11/07/12 15:45
Date Received: 11/07/12 16:35

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		3.0	1.9	ug/L		11/08/12 06:25	11/09/12 19:02	1
Selenium	ND		5.0	4.1	ug/L		11/08/12 06:25	11/09/12 19:02	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		11/09/12 15:25	11/13/12 17:25	1

8

Client Sample Results

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

TestAmerica Job ID: 240-17222-1

Client Sample ID: TB-01
Date Collected: 11/07/12 00:00
Date Received: 11/07/12 16:35

Lab Sample ID: 240-17222-3
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			11/15/12 15:21	1
Benzene	ND		1.0	0.13	ug/L			11/15/12 15:21	1
Bromodichloromethane	ND		1.0	0.15	ug/L			11/15/12 15:21	1
Bromoform	ND		1.0	0.64	ug/L			11/15/12 15:21	1
Bromomethane	ND		1.0	0.41	ug/L			11/15/12 15:21	1
2-Butanone (MEK)	ND		10	0.57	ug/L			11/15/12 15:21	1
Carbon disulfide	ND		1.0	0.13	ug/L			11/15/12 15:21	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			11/15/12 15:21	1
Chlorobenzene	ND		1.0	0.15	ug/L			11/15/12 15:21	1
Chloroethane	ND		1.0	0.29	ug/L			11/15/12 15:21	1
Chloroform	ND		1.0	0.16	ug/L			11/15/12 15:21	1
Chloromethane	ND		1.0	0.30	ug/L			11/15/12 15:21	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			11/15/12 15:21	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			11/15/12 15:21	1
Dibromochloromethane	ND		1.0	0.18	ug/L			11/15/12 15:21	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			11/15/12 15:21	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			11/15/12 15:21	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			11/15/12 15:21	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			11/15/12 15:21	1
Ethylbenzene	ND		1.0	0.17	ug/L			11/15/12 15:21	1
2-Hexanone	ND		10	0.41	ug/L			11/15/12 15:21	1
Methylene Chloride	0.71	J	1.0	0.33	ug/L			11/15/12 15:21	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			11/15/12 15:21	1
Styrene	ND		1.0	0.11	ug/L			11/15/12 15:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			11/15/12 15:21	1
Tetrachloroethene	ND		1.0	0.29	ug/L			11/15/12 15:21	1
Toluene	ND		1.0	0.13	ug/L			11/15/12 15:21	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			11/15/12 15:21	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			11/15/12 15:21	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			11/15/12 15:21	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			11/15/12 15:21	1
Trichloroethene	ND		1.0	0.17	ug/L			11/15/12 15:21	1
Vinyl chloride	ND		1.0	0.22	ug/L			11/15/12 15:21	1
Xylenes, Total	ND		2.0	0.28	ug/L			11/15/12 15:21	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			11/15/12 15:21	1
n-Hexane	ND		1.0	0.26	ug/L			11/15/12 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*66 - 117*		*11/15/12 15:21*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 121*		*11/15/12 15:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*63 - 129*		*11/15/12 15:21*	*1*
Toluene-d8 (Surr)	*104*		*74 - 115*		*11/15/12 15:21*	*1*

Surrogate Summary

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

TestAmerica Job ID: 240-17222-1

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)
240-17222-1	WT-01	90	96	99	96
240-17222-2	PW-02	87	94	94	93
240-17222-3	TB-01	94	102	105	104
LCS 240-65166/4	Lab Control Sample	101	97	92	102
MB 240-65166/5	Method Blank	90	94	96	99

Surrogate Legend

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

QC Sample Results

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

TestAmerica Job ID: 240-17222-1

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

Lab Sample ID: MB 240-65166/5
Matrix: Water
Analysis Batch: 65166

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			11/15/12 12:45	1
Benzene	ND		1.0	0.13	ug/L			11/15/12 12:45	1
Bromodichloromethane	ND		1.0	0.15	ug/L			11/15/12 12:45	1
Bromoform	ND		1.0	0.64	ug/L			11/15/12 12:45	1
Bromomethane	ND		1.0	0.41	ug/L			11/15/12 12:45	1
2-Butanone (MEK)	ND		10	0.57	ug/L			11/15/12 12:45	1
Carbon disulfide	ND		1.0	0.13	ug/L			11/15/12 12:45	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			11/15/12 12:45	1
Chlorobenzene	ND		1.0	0.15	ug/L			11/15/12 12:45	1
Chloroethane	ND		1.0	0.29	ug/L			11/15/12 12:45	1
Chloroform	ND		1.0	0.16	ug/L			11/15/12 12:45	1
Chloromethane	ND		1.0	0.30	ug/L			11/15/12 12:45	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			11/15/12 12:45	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			11/15/12 12:45	1
Dibromochloromethane	ND		1.0	0.18	ug/L			11/15/12 12:45	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			11/15/12 12:45	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			11/15/12 12:45	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			11/15/12 12:45	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			11/15/12 12:45	1
Ethylbenzene	ND		1.0	0.17	ug/L			11/15/12 12:45	1
2-Hexanone	ND		10	0.41	ug/L			11/15/12 12:45	1
Methylene Chloride	ND		1.0	0.33	ug/L			11/15/12 12:45	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			11/15/12 12:45	1
Styrene	ND		1.0	0.11	ug/L			11/15/12 12:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			11/15/12 12:45	1
Tetrachloroethene	ND		1.0	0.29	ug/L			11/15/12 12:45	1
Toluene	ND		1.0	0.13	ug/L			11/15/12 12:45	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			11/15/12 12:45	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			11/15/12 12:45	1
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			11/15/12 12:45	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			11/15/12 12:45	1
Trichloroethene	ND		1.0	0.17	ug/L			11/15/12 12:45	1
Vinyl chloride	ND		1.0	0.22	ug/L			11/15/12 12:45	1
Xylenes, Total	ND		2.0	0.28	ug/L			11/15/12 12:45	1
Methyl tert-butyl ether	ND		5.0	0.17	ug/L			11/15/12 12:45	1
n-Hexane	ND		1.0	0.26	ug/L			11/15/12 12:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*66 - 117*		*11/15/12 12:45*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 121*		*11/15/12 12:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*		*11/15/12 12:45*	*1*
Toluene-d8 (Surr)	*99*		*74 - 115*		*11/15/12 12:45*	*1*

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

Lab Sample ID: LCS 240-65166/4
Matrix: Water
Analysis Batch: 65166

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	22.7		ug/L		114	43 - 136
Benzene	10.0	10.0		ug/L		100	83 - 112
Bromodichloromethane	10.0	9.30		ug/L		93	72 - 121
Bromoform	10.0	7.99		ug/L		80	40 - 131
Bromomethane	10.0	3.72		ug/L		37	11 - 185
2-Butanone (MEK)	20.0	22.4		ug/L		112	60 - 126
Carbon disulfide	10.0	9.11		ug/L		91	62 - 142
Carbon tetrachloride	10.0	9.32		ug/L		93	66 - 128
Chlorobenzene	10.0	9.62		ug/L		96	85 - 110
Chloroethane	10.0	3.17		ug/L		32	25 - 153
Chloroform	10.0	9.46		ug/L		95	79 - 117
Chloromethane	10.0	7.43		ug/L		74	44 - 126
cis-1,2-Dichloroethene	10.0	9.72		ug/L		97	80 - 113
cis-1,3-Dichloropropene	10.0	9.27		ug/L		93	61 - 115
Dibromochloromethane	10.0	8.84		ug/L		88	64 - 119
1,1-Dichloroethane	10.0	10.1		ug/L		101	82 - 115
1,2-Dichloroethane	10.0	9.21		ug/L		92	71 - 127
1,1-Dichloroethene	10.0	9.96		ug/L		100	78 - 131
1,2-Dichloropropane	10.0	10.7		ug/L		107	81 - 115
Ethylbenzene	10.0	9.97		ug/L		100	83 - 112
2-Hexanone	20.0	23.1		ug/L		116	55 - 133
Methylene Chloride	10.0	9.65		ug/L		96	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	22.5		ug/L		112	63 - 128
Styrene	10.0	9.46		ug/L		95	79 - 114
1,1,2,2-Tetrachloroethane	10.0	10.6		ug/L		106	68 - 118
Tetrachloroethene	10.0	9.29		ug/L		93	79 - 114
Toluene	10.0	9.89		ug/L		99	84 - 111
trans-1,2-Dichloroethene	10.0	9.65		ug/L		97	83 - 117
trans-1,3-Dichloropropene	10.0	7.96		ug/L		80	58 - 117
1,1,1-Trichloroethane	10.0	8.74		ug/L		87	74 - 118
1,1,2-Trichloroethane	10.0	10.1		ug/L		101	80 - 112
Trichloroethene	10.0	9.67		ug/L		97	76 - 117
Vinyl chloride	10.0	7.43		ug/L		74	53 - 127
Xylenes, Total	30.0	30.2		ug/L		101	83 - 112
Methyl tert-butyl ether	10.0	9.64		ug/L		96	52 - 144
n-Hexane	10.0	10.8		ug/L		108	66 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*66 - 117*
Dibromofluoromethane (Surr)	*97*		*75 - 121*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 129*
Toluene-d8 (Surr)	*102*		*74 - 115*

QC Sample Results

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

TestAmerica Job ID: 240-17222-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-64209/1-A
Matrix: Water
Analysis Batch: 64578

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 64209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.820	J	200	0.67	ug/L		11/08/12 06:25	11/09/12 17:00	1
Cadmium	ND		2.0	0.66	ug/L		11/08/12 06:25	11/09/12 17:00	1
Chromium	ND		5.0	2.2	ug/L		11/08/12 06:25	11/09/12 17:00	1
Silver	ND		5.0	2.2	ug/L		11/08/12 06:25	11/09/12 17:00	1
Arsenic	3.38	J	10	3.2	ug/L		11/08/12 06:25	11/09/12 17:00	1
Lead	ND		3.0	1.9	ug/L		11/08/12 06:25	11/09/12 17:00	1
Selenium	ND		5.0	4.1	ug/L		11/08/12 06:25	11/09/12 17:00	1

Lab Sample ID: LCS 240-64209/2-A
Matrix: Water
Analysis Batch: 64578

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 64209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	2000	1920		ug/L		96	80 - 120
Cadmium	50.0	49.1		ug/L		98	80 - 120
Chromium	200	197		ug/L		99	80 - 120
Silver	50.0	51.7		ug/L		103	80 - 120
Arsenic	2000	2020		ug/L		101	80 - 120
Lead	500	489		ug/L		98	80 - 120
Selenium	2000	2040		ug/L		102	80 - 120

Lab Sample ID: MB 240-64215/1-A
Matrix: Water
Analysis Batch: 64578

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 64215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.906	J	200	0.67	ug/L		11/08/12 07:20	11/09/12 15:04	1
Cadmium	ND		2.0	0.66	ug/L		11/08/12 07:20	11/09/12 15:04	1
Chromium	ND		5.0	2.2	ug/L		11/08/12 07:20	11/09/12 15:04	1
Silver	ND		5.0	2.2	ug/L		11/08/12 07:20	11/09/12 15:04	1
Arsenic	ND		10	3.2	ug/L		11/08/12 07:20	11/09/12 15:04	1
Lead	2.84	J	3.0	1.9	ug/L		11/08/12 07:20	11/09/12 15:04	1
Selenium	ND		5.0	4.1	ug/L		11/08/12 07:20	11/09/12 15:04	1

Lab Sample ID: LCS 240-64215/2-A
Matrix: Water
Analysis Batch: 64578

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 64215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	2000	1870		ug/L		93	80 - 120
Cadmium	50.0	48.3		ug/L		97	80 - 120
Chromium	200	191		ug/L		96	80 - 120
Silver	50.0	51.0		ug/L		102	80 - 120
Arsenic	2000	1990		ug/L		99	80 - 120
Lead	500	481		ug/L		96	80 - 120
Selenium	2000	2010		ug/L		101	80 - 120

QC Sample Results

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

TestAmerica Job ID: 240-17222-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-64449/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65019 — **Prep Batch: 64449**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		11/09/12 15:25	11/13/12 17:13	1

Lab Sample ID: LCS 240-64449/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65019 — **Prep Batch: 64449**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.19		ug/L		84	81 - 123

QC Association Summary

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

TestAmerica Job ID: 240-17222-1

GC/MS VOA

Analysis Batch: 65166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-17222-1	WT-01	Total/NA	Water	8260B	
240-17222-2	PW-02	Total/NA	Water	8260B	
240-17222-3	TB-01	Total/NA	Water	8260B	
LCS 240-65166/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-65166/5	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 64209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-17222-2	PW-02	Total Recoverable	Water	3005A	
LCS 240-64209/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-64209/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 64215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-17222-1	WT-01	Total Recoverable	Water	3005A	
LCS 240-64215/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-64215/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 64449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-17222-1	WT-01	Total/NA	Water	7470A	
240-17222-2	PW-02	Total/NA	Water	7470A	
LCS 240-64449/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-64449/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 64578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-17222-1	WT-01	Total Recoverable	Water	6010B	64215
240-17222-2	PW-02	Total Recoverable	Water	6010B	64209
LCS 240-64209/2-A	Lab Control Sample	Total Recoverable	Water	6010B	64209
LCS 240-64215/2-A	Lab Control Sample	Total Recoverable	Water	6010B	64215
MB 240-64209/1-A	Method Blank	Total Recoverable	Water	6010B	64209
MB 240-64215/1-A	Method Blank	Total Recoverable	Water	6010B	64215

Analysis Batch: 65019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-17222-1	WT-01	Total/NA	Water	7470A	64449
240-17222-2	PW-02	Total/NA	Water	7470A	64449
LCS 240-64449/2-A	Lab Control Sample	Total/NA	Water	7470A	64449
MB 240-64449/1-A	Method Blank	Total/NA	Water	7470A	64449

Lab Chronicle

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

TestAmerica Job ID: 240-17222-1

Client Sample ID: WT-01

Lab Sample ID: 240-17222-1

Date Collected: 11/07/12 15:30
Date Received: 11/07/12 16:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	65166	11/15/12 14:37	LW	TAL NC
Total Recoverable	Prep	3005A			64215	11/08/12 07:20	LM	TAL NC
Total Recoverable	Analysis	6010B		1	64578	11/09/12 16:52	RT	TAL NC
Total/NA	Prep	7470A			64449	11/09/12 15:25	LM	TAL NC
Total/NA	Analysis	7470A		1	65019	11/13/12 17:23	DH	TAL NC

Client Sample ID: PW-02

Lab Sample ID: 240-17222-2

Date Collected: 11/07/12 15:45
Date Received: 11/07/12 16:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	65166	11/15/12 14:59	LW	TAL NC
Total Recoverable	Prep	3005A			64209	11/08/12 06:25	LM	TAL NC
Total Recoverable	Analysis	6010B		1	64578	11/09/12 19:02	RT	TAL NC
Total/NA	Prep	7470A			64449	11/09/12 15:25	LM	TAL NC
Total/NA	Analysis	7470A		1	65019	11/13/12 17:25	DH	TAL NC

Client Sample ID: TB-01

Lab Sample ID: 240-17222-3

Date Collected: 11/07/12 00:00
Date Received: 11/07/12 16:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	65166	11/15/12 15:21	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: 240-17222-1

Laboratory: TestAmerica Canton

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

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

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: TRC ENVIRONMENTAL CORP	Client Project Manager: KATHIE TEUSCHER	Site Contact: MIKE BITTO	Lab Contact: JEFF SMITH
Address: 1382 W. 9th St., 200	Telephone: 216.344.3072	Telephone: 216.344.3072	Telephone: 330.966.7290
City/State/Zip: CLEVELAND, OH 44113	Email: KTEUSCHER@TRCSOLUTIONS.COM	Analysis Turnaround Time (CALENDAR DAYS)	
Phone: 216.344.3072		TAT if different from below ____ ☐ 3 weeks ☒ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	
Project Name: CANTON DEEP FORGE	Method of Shipment/Carrier: DIRECT DELIVER		
Project Number: 196663	Shipping/Tracking No:		
PO#			

COC No: 048690
1 of 1 COCs

For lab use only: Walk-in client ☐ Lab pickup ☐ Lab sampling ☐ Job/SDG No.:

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 (Y/N)	VOC	TOTAL RCRA METALS								Sample Specific Notes / Special Instructions:
WT-01	11/7/12	1530		X					1	3					N	G	X	X								
PW-02	11/7/12	1545		X					1	3					N	G	X	X								
TB-01	—	—		X						1					N	G	X									

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

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

Special Instructions/QC Requirements & Comments:

OHIO VAP REQUIREMENTS

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC ENV. CORP	11/7/12 4:35		TA	11-7-12 4:35p
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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TAL 0018-1 (04/10)

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 17222

Client TRC Site Name _____ By: [signature]

Cooler Received on 11-7-12 Opened on 11-7-12 (Signature)

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF –2 °C) Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	
IR GUN# 4G	(CF 0 °C) Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	☐ Multiple on Back
IR GUN# 5G	(CF 0 °C) Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	
IR GUN# 8	(CF 0 °C) Observed Sample Temp. 2.1 °C	Corrected Sample Temp. 2.1 °C	

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

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

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

Client ID	pH	Date	Initials
1	<2	11-7-12	[illegible]
2	<2	↓	↓

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