TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Job ID: 600-107928-1
Client Project/Site: OT Roll Offs

For:
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Authorized for release by:
3/19/2015 3:06:23 PM

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Preliminary Data

LINKS

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

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

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Preliminary Data

Job ID: 600-107928-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-107928-1

Comments
No additional comments.

Receipt
The samples were received on 3/10/2015 4:47 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.8º C, 4.0º C and 4.1º C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 600-157996 recovered outside control limits for the following analyte: Carbon tetrachloride. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 600-157996 recovered outside control limits for the following analyte: 1,1,1-Trichloroethane. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 600-157996 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 600-157996/2).

Method(s) 8260B: The following sample was diluted due to the nature of the sample matrix: 2020T-Acid 14 (600-107928-4), 4046M-Acid 7 (600-107928-3), 4047M-Acid 6 (600-107928-2), 4048M-NL2 (600-107928-1), 5013T Base CN 19 (600-107928-7), PT6 Acid (600-107928-5), RO2 Acid (600-107928-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: 4047M-Acid 6 (600-107928-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Surrogate recovery for the following sample was outside control limits: 5013T Base CN 19 (600-107928-7). Re-analysis was performed with concurring results. The original analysis has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270C: The continuing calibration verification (CCV) associated with batch157980 recovered above the upper control limit for 2,2'-oxybis[1-chloropropane]. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: 2020T-Acid 14 (600-107928-11), 4046M-Acid 7 (600-107928-10), 4047M-Acid 6 (600-107928-9), 4048M-NL2 (600-107928-8), 5013T Base CN 19 (600-107928-14), PT6 Acid (600-107928-12), RO2 Acid (600-107928-13). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following sample(s) required a dilution due to the nature of the sample matrix: 4046M-Acid 7 (600-107928-10). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270C: Surrogate recovery for the following sample(s) was outside control limits: 4047M-Acid 6 (600-107928-9), 4048M-NL2 (600-107928-8), PT6 Acid (600-107928-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: 5013T Base CN 19 (600-107928-14). Elevated reporting limits (RLs) are provided.

Pre Liminary Data

Job ID: 600-107928-1 (Continued)

Laboratory: TestAmerica Houston (Continued)

Method(s) 8270C: The following sample(s) required a dilution due to the nature of the sample matrix: 5013T Base CN 19 (600-107928-14). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC

Method(s) 9056: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 250088 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) TX 1005: The following sample(s) was diluted due to the nature of the sample matrix: 4046M-Acid 7 (600-107928-3), 4047M-Acid 6 (600-107928-2). Elevated reporting limits (RLs) are provided.

Method(s) TX 1005: The following sample(s) required a dilution due to the nature of the sample matrix: 4046M-Acid 7 (600-107928-3). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) TX 1005: The following sample(s) was diluted due to the nature of the sample matrix: (600-107968-1 MS), (600-107968-1 MSD), N1 0.5-1 (600-107968-1). Elevated reporting limits (RLs) are provided.

Method(s) TX 1005: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 157834 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) TX 1005: The matrix spike / matrix spike duplicate (MS/MSD) precision 157795 was outside control limits. Sample non-homogeneity is suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

The TSS analysis is not appropriate for this sample matrix due to the samples being waste. Therefore, it was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3510C: <<EXPLANATION REQUIRED>>Samples were "spent acid". Had to use very limited sample due to matrix.

2020T-Acid 14 (600-107928-11), 4046M-Acid 7 (600-107928-10), 4047M-Acid 6 (600-107928-9), 4048M-NL2 (600-107928-8), 5013T Base CN 19 (600-107928-14), PT6 Acid (600-107928-12), RO2 Acid (600-107928-13)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Preliminary Data

Method Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL HOU
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	TAL HOU
6010B	Metals (ICP)	SW846	TAL NSH
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL HOU
9012	Cyanide, Reactive	SW846	TAL HOU
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL HOU
9040B	pH	SW846	TAL HOU
9056	Total Halogens(Bomb Calorimeter followed by IC)	SW846	TAL PEN
D1796	Water and Sediment in Fuel Oils	ASTM	TAL CC

Protocol References:

ASTM = ASTM International

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

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

TAL CC = TestAmerica Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Preliminary Data

Sample Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-107928-1	4048M-NL2	Waste	03/10/15 13:45	03/10/15 16:47
600-107928-2	4047M-Acid 6	Waste	03/10/15 13:55	03/10/15 16:47
600-107928-3	4046M-Acid 7	Waste	03/10/15 14:05	03/10/15 16:47
600-107928-4	2020T-Acid 14	Waste	03/10/15 14:15	03/10/15 16:47
600-107928-5	PT6 Acid	Waste	03/10/15 14:25	03/10/15 16:47
600-107928-6	RO2 Acid	Waste	03/10/15 14:35	03/10/15 16:47
600-107928-7	5013T Base CN 19	Waste	03/10/15 14:45	03/10/15 16:47
600-107928-8	4048M-NL2	Water	03/10/15 13:45	03/10/15 16:47
600-107928-9	4047M-Acid 6	Water	03/10/15 13:55	03/10/15 16:47
600-107928-10	4046M-Acid 7	Water	03/10/15 14:05	03/10/15 16:47
600-107928-11	2020T-Acid 14	Water	03/10/15 14:15	03/10/15 16:47
600-107928-12	PT6 Acid	Water	03/10/15 14:25	03/10/15 16:47
600-107928-13	RO2 Acid	Water	03/10/15 14:35	03/10/15 16:47
600-107928-14	5013T Base CN 19	Water	03/10/15 14:45	03/10/15 16:47

Preliminary Data

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4048M-NL2

Date Collected: 03/10/15 13:45
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-1

Matrix: Waste

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**44.6**		5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Benzene	0.315	U	2.50	0.315	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Bromoform	0.685	U	2.50	0.685	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Bromomethane	0.415	U	5.00	0.415	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
2-Butanone (MEK)	**8.38**		5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Carbon disulfide	0.275	U	5.00	0.275	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Chloroethane	0.700	U	5.00	0.700	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Chloroform	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Chloromethane	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Ethylbenzene	0.510	U	2.50	0.510	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
2-Hexanone	0.505	U	5.00	0.505	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
4-Methyl-2-pentanone (MIBK)	0.735	U	5.00	0.735	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Styrene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Toluene	0.690	U	2.50	0.690	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Trichloroethene	0.700	U	2.50	0.700	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
o-Xylene	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
m-Xylene & p-Xylene	0.760	U	2.50	0.760	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Xylenes, Total	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*50 - 130*	*03/16/15 10:00*	*03/16/15 14:48*	*1*
Dibromofluoromethane	*108*		*68 - 140*	*03/16/15 10:00*	*03/16/15 14:48*	*1*
4-Bromofluorobenzene	*102*		*57 - 140*	*03/16/15 10:00*	*03/16/15 14:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*61 - 130*	*03/16/15 10:00*	*03/16/15 14:48*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.80	U	10.0	3.80	mg/Kg		03/16/15 14:32	03/17/15 23:41	1
>C12-C28	**34.6**		10.0	4.06	mg/Kg		03/16/15 14:32	03/17/15 23:41	1

Preliminary Data

Client Sample ID: 4048M-NL2

Lab Sample ID: 600-107928-1

Date Collected: 03/10/15 13:45

Matrix: Waste

Date Received: 03/10/15 16:47

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C28-C35	4.06	U	10.0	4.06	mg/Kg		03/16/15 14:32	03/17/15 23:41	1
C6-C35	**34.6**		10.0	3.80	mg/Kg		03/16/15 14:32	03/17/15 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*124*		*70 - 130*	*03/16/15 14:32*	*03/17/15 23:41*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.900	U	2.00	0.900	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Barium	1.60	U	2.00	1.60	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Cadmium	0.100	U	1.00	0.100	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Chromium	**0.920**	**J**	1.00	0.600	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Lead	0.500	U	1.00	0.500	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Selenium	1.00	U	2.00	1.00	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Silver	0.500	U	1.00	0.500	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Sodium	100	U	200	100	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Sulfur	**149000**		50.0	20.0	mg/Kg		03/16/15 11:10	03/16/15 23:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>186**		1.00	1.00	Degrees F			03/16/15 07:50	1
Cyanide, Reactive	0.0858	U	0.251	0.0858	mg/Kg		03/16/15 07:30	03/17/15 16:35	1
Sulfide, Reactive	14.0	U	50.2	14.0	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	0.0100	U	0.0100	0.0100	SU			03/16/15 13:12	1
Total Halogens	**1220**	**F1**	105	105	mg/Kg		03/16/15 12:17	03/17/15 14:34	1
Chloride	**1220**		105	105	mg/Kg		03/16/15 12:17	03/17/15 14:34	1
Fluoride	21.1	U F1	21.1	21.1	mg/Kg		03/16/15 12:17	03/17/15 14:34	1
Bromide	105	U	105	105	mg/Kg		03/16/15 12:17	03/17/15 14:34	1
Percent Water	**96.0**				%			03/17/15 15:00	1

Client Sample ID: 4047M-Acid 6

Lab Sample ID: 600-107928-2

Date Collected: 03/10/15 13:55

Matrix: Waste

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Benzene	**1.39**	**J**	2.50	0.315	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Bromoform	0.685	U	2.50	0.685	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Bromomethane	0.415	U	5.00	0.415	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
2-Butanone (MEK)	**4.41**	**J**	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Carbon disulfide	0.275	U	5.00	0.275	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Chloroethane	0.700	U	5.00	0.700	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Chloroform	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Chloromethane	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 15:12	1

Preliminary Data

Client Sample ID: 4047M-Acid 6

Lab Sample ID: 600-107928-2

Date Collected: 03/10/15 13:55

Matrix: Waste

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Ethylbenzene	**21.3**		2.50	0.510	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
2-Hexanone	0.505	U	5.00	0.505	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
4-Methyl-2-pentanone (MIBK)	0.735	U	5.00	0.735	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Styrene	**21.0**		2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Trichloroethene	0.700	U	2.50	0.700	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
o-Xylene	**47.1**		2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
m-Xylene & p-Xylene	**57.8**		2.50	0.760	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Xylenes, Total	**105**		2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*50 - 130*	*03/16/15 10:00*	*03/16/15 15:12*	*1*
Dibromofluoromethane	*95*		*68 - 140*	*03/16/15 10:00*	*03/16/15 15:12*	*1*
4-Bromofluorobenzene	*98*		*57 - 140*	*03/16/15 10:00*	*03/16/15 15:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*61 - 130*	*03/16/15 10:00*	*03/16/15 15:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**140**		12.5	3.45	mg/Kg		03/16/15 10:00	03/16/15 17:38	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*50 - 130*	*03/16/15 10:00*	*03/16/15 17:38*	*5*
Dibromofluoromethane	*97*		*68 - 140*	*03/16/15 10:00*	*03/16/15 17:38*	*5*
4-Bromofluorobenzene	*88*		*57 - 140*	*03/16/15 10:00*	*03/16/15 17:38*	*5*
1,2-Dichloroethane-d4 (Surr)	*112*		*61 - 130*	*03/16/15 10:00*	*03/16/15 17:38*	*5*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**6360**		1000	380	mg/Kg		03/12/15 10:04	03/13/15 01:12	10
>C12-C28	**74700**		1000	406	mg/Kg		03/12/15 10:04	03/13/15 01:12	10
>C28-C35	**36100**		1000	406	mg/Kg		03/12/15 10:04	03/13/15 01:12	10
C6-C35	**117000**		1000	380	mg/Kg		03/12/15 10:04	03/13/15 01:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*123*		*70 - 130*	*03/12/15 10:04*	*03/13/15 01:12*	*10*

Preliminary Data

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4047M-Acid 6

Lab Sample ID: 600-107928-2

Date Collected: 03/10/15 13:55
Matrix: Waste
Date Received: 03/10/15 16:47

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.882	U	1.96	0.882	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Barium	**15.1**		1.96	1.57	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Cadmium	0.0980	U	0.980	0.0980	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Chromium	0.588	U	0.980	0.588	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Lead	0.490	U	0.980	0.490	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Selenium	0.980	U	1.96	0.980	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Silver	0.490	U	0.980	0.490	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Sodium	**692**		196	98.0	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Sulfur	**141**		49.0	19.6	mg/Kg		03/16/15 11:10	03/16/15 23:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>186**		1.00	1.00	Degrees F			03/16/15 07:50	1
Cyanide, Reactive	0.0838	U	0.245	0.0838	mg/Kg		03/16/15 07:30	03/17/15 16:33	1
Sulfide, Reactive	13.7	U	49.0	13.7	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	**6.80**		0.0100	0.0100	SU			03/16/15 13:12	1
Total Halogens	**965**		138	138	mg/Kg		03/16/15 12:51	03/17/15 15:43	1
Chloride	**965**		138	138	mg/Kg		03/16/15 12:51	03/17/15 15:43	1
Fluoride	27.5	U	27.5	27.5	mg/Kg		03/16/15 12:51	03/17/15 15:43	1
Bromide	138	U	138	138	mg/Kg		03/16/15 12:51	03/17/15 15:43	1
Percent Water	**90.0**				%			03/17/15 15:00	1

Client Sample ID: 4046M-Acid 7

Lab Sample ID: 600-107928-3

Date Collected: 03/10/15 14:05
Matrix: Waste
Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**8.50**		5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Benzene	**0.629**	**J**	2.50	0.315	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Bromoform	0.685	U	2.50	0.685	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Bromomethane	0.415	U	5.00	0.415	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
2-Butanone (MEK)	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Carbon disulfide	**8.12**		5.00	0.275	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Chloroethane	0.700	U	5.00	0.700	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Chloroform	**15.5**		2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Chloromethane	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Ethylbenzene	**18.4**		2.50	0.510	mg/Kg		03/16/15 10:00	03/16/15 15:37	1

Preliminary Data

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4046M-Acid 7

Date Collected: 03/10/15 14:05
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-3

Matrix: Waste

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	0.505	U	5.00	0.505	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
4-Methyl-2-pentanone (MIBK)	**0.928**	**J**	5.00	0.735	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Styrene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Toluene	**7.55**		2.50	0.690	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Trichloroethene	0.700	U	2.50	0.700	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
o-Xylene	**24.0**		2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
m-Xylene & p-Xylene	**71.8**		2.50	0.760	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Xylenes, Total	**95.8**		2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*50 - 130*	*03/16/15 10:00*	*03/16/15 15:37*	*1*
Dibromofluoromethane	*100*		*68 - 140*	*03/16/15 10:00*	*03/16/15 15:37*	*1*
4-Bromofluorobenzene	*98*		*57 - 140*	*03/16/15 10:00*	*03/16/15 15:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*61 - 130*	*03/16/15 10:00*	*03/16/15 15:37*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C12-C28	**192000**		5000	2030	mg/Kg		03/12/15 10:04	03/12/15 14:26	50
C6-C35	**230000**		5000	1900	mg/Kg		03/12/15 10:04	03/12/15 14:26	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*X*	*70 - 130*	*03/12/15 10:04*	*03/12/15 14:26*	*50*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**3050**		1000	380	mg/Kg		03/12/15 10:04	03/13/15 01:45	10
>C28-C35	**27200**		1000	406	mg/Kg		03/12/15 10:04	03/13/15 01:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*107*		*70 - 130*	*03/12/15 10:04*	*03/13/15 01:45*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.881	U	1.96	0.881	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Barium	1.57	U	1.96	1.57	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Cadmium	0.0978	U	0.978	0.0978	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Chromium	**0.587**	**J**	0.978	0.587	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Lead	0.489	U	0.978	0.489	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Selenium	0.978	U	1.96	0.978	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Silver	0.489	U	0.978	0.489	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Sodium	**1060**		196	97.8	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Sulfur	**1130**		48.9	19.6	mg/Kg		03/16/15 11:10	03/16/15 23:22	1

Preliminary Data

Client Sample ID: 4046M-Acid 7

Lab Sample ID: 600-107928-3

Date Collected: 03/10/15 14:05

Matrix: Waste

Date Received: 03/10/15 16:47

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>186**		1.00	1.00	Degrees F			03/16/15 07:50	1
Cyanide, Reactive	0.0845	U	0.247	0.0845	mg/Kg		03/16/15 07:30	03/17/15 16:32	1
Sulfide, Reactive	13.8	U	49.4	13.8	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	**5.36**		0.0100	0.0100	SU			03/16/15 13:12	1
Total Halogens	**2140**		148	148	mg/Kg		03/16/15 13:12	03/17/15 16:06	1
Chloride	**898**		148	148	mg/Kg		03/16/15 13:12	03/17/15 16:06	1
Fluoride	**175**		29.6	29.6	mg/Kg		03/16/15 13:12	03/17/15 16:06	1
Bromide	**1070**		148	148	mg/Kg		03/16/15 13:12	03/17/15 16:06	1
Percent Water	**92.0**				%			03/17/15 15:00	1

Client Sample ID: 2020T-Acid 14

Lab Sample ID: 600-107928-4

Date Collected: 03/10/15 14:15

Matrix: Waste

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**9.60**		5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Benzene	0.315	U	2.50	0.315	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Bromoform	0.685	U	2.50	0.685	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Bromomethane	0.415	U	5.00	0.415	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
2-Butanone (MEK)	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Carbon disulfide	0.275	U	5.00	0.275	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Chloroethane	0.700	U	5.00	0.700	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Chloroform	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Chloromethane	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Ethylbenzene	0.510	U	2.50	0.510	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
2-Hexanone	0.505	U	5.00	0.505	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
4-Methyl-2-pentanone (MIBK)	0.735	U	5.00	0.735	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Styrene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Toluene	0.690	U	2.50	0.690	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Trichloroethene	0.700	U	2.50	0.700	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg		03/16/15 10:00	03/16/15 16:01	1

Preliminary Data

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 2020T-Acid 14

Lab Sample ID: 600-107928-4

Date Collected: 03/10/15 14:15
Matrix: Waste
Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
m-Xylene & p-Xylene	0.760	U	2.50	0.760	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Xylenes, Total	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*50 - 130*	*03/16/15 10:00*	*03/16/15 16:01*	*1*
Dibromofluoromethane	*104*		*68 - 140*	*03/16/15 10:00*	*03/16/15 16:01*	*1*
4-Bromofluorobenzene	*107*		*57 - 140*	*03/16/15 10:00*	*03/16/15 16:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*61 - 130*	*03/16/15 10:00*	*03/16/15 16:01*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.80	U	9.99	3.80	mg/Kg		03/16/15 14:32	03/17/15 00:13	1
>C12-C28	**23.7**		9.99	4.06	mg/Kg		03/16/15 14:32	03/17/15 00:13	1
>C28-C35	4.06	U	9.99	4.06	mg/Kg		03/16/15 14:32	03/17/15 00:13	1
C6-C35	**23.7**		9.99	3.80	mg/Kg		03/16/15 14:32	03/17/15 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*120*		*70 - 130*	*03/16/15 14:32*	*03/17/15 00:13*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.864	U	1.92	0.864	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Barium	1.54	U	1.92	1.54	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Cadmium	0.0960	U	0.960	0.0960	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Chromium	**0.787**	**J**	0.960	0.576	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Lead	0.480	U	0.960	0.480	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Selenium	0.960	U	1.92	0.960	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Silver	0.480	U	0.960	0.480	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Sodium	96.0	U	192	96.0	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Sulfur	**182000**		48.0	19.2	mg/Kg		03/16/15 11:10	03/16/15 23:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>186**		1.00	1.00	Degrees F			03/16/15 07:50	1
Cyanide, Reactive	0.0848	U	0.248	0.0848	mg/Kg		03/16/15 07:30	03/17/15 16:32	1
Sulfide, Reactive	13.9	U	49.6	13.9	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	0.0100	U	0.0100	0.0100	SU			03/16/15 13:12	1
Total Halogens	104	U	104	104	mg/Kg		03/16/15 13:22	03/17/15 16:28	1
Chloride	104	U	104	104	mg/Kg		03/16/15 13:22	03/17/15 16:28	1
Fluoride	20.8	U	20.8	20.8	mg/Kg		03/16/15 13:22	03/17/15 16:28	1
Bromide	104	U	104	104	mg/Kg		03/16/15 13:22	03/17/15 16:28	1
Percent Water	**100**				%			03/17/15 15:00	1

Preliminary Data

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: PT6 Acid

Date Collected: 03/10/15 14:25
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-5

Matrix: Waste

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.16**	**J**	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Benzene	0.315	U	2.50	0.315	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Bromoform	0.685	U	2.50	0.685	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Bromomethane	0.415	U	5.00	0.415	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
2-Butanone (MEK)	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Carbon disulfide	0.275	U	5.00	0.275	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Chloroethane	0.700	U	5.00	0.700	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Chloroform	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Chloromethane	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Ethylbenzene	0.510	U	2.50	0.510	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
2-Hexanone	0.505	U	5.00	0.505	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
4-Methyl-2-pentanone (MIBK)	0.735	U	5.00	0.735	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Styrene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Toluene	0.690	U	2.50	0.690	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Trichloroethene	0.700	U	2.50	0.700	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
o-Xylene	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
m-Xylene & p-Xylene	0.760	U	2.50	0.760	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Xylenes, Total	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*50 - 130*	*03/16/15 10:00*	*03/16/15 16:25*	*1*
Dibromofluoromethane	*92*		*68 - 140*	*03/16/15 10:00*	*03/16/15 16:25*	*1*
4-Bromofluorobenzene	*101*		*57 - 140*	*03/16/15 10:00*	*03/16/15 16:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*61 - 130*	*03/16/15 10:00*	*03/16/15 16:25*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.80	U	10.0	3.80	mg/Kg		03/16/15 14:32	03/17/15 01:17	1
>C12-C28	**51.9**		10.0	4.06	mg/Kg		03/16/15 14:32	03/17/15 01:17	1

Preliminary Data

Client Sample ID: PT6 Acid

Lab Sample ID: 600-107928-5

Date Collected: 03/10/15 14:25
Date Received: 03/10/15 16:47

Matrix: Waste

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C28-C35	4.06	U	10.0	4.06	mg/Kg		03/16/15 14:32	03/17/15 01:17	1
C6-C35	**51.9**		10.0	3.80	mg/Kg		03/16/15 14:32	03/17/15 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*114*		*70 - 130*	*03/16/15 14:32*	*03/17/15 01:17*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.907	U	2.02	0.907	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Barium	1.61	U	2.02	1.61	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Cadmium	0.101	U	1.01	0.101	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Chromium	**77.0**		1.01	0.605	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Lead	0.504	U	1.01	0.504	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Selenium	1.01	U	2.02	1.01	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Silver	0.504	U	1.01	0.504	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Sodium	101	U	202	101	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Sulfur	**126000**		50.4	20.2	mg/Kg		03/16/15 11:10	03/16/15 23:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>186**		1.00	1.00	Degrees F			03/16/15 07:50	1
Cyanide, Reactive	0.0847	U	0.248	0.0847	mg/Kg		03/16/15 07:30	03/17/15 16:29	1
Sulfide, Reactive	**19.8**	**J**	49.5	13.9	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	0.0100	U	0.0100	0.0100	SU			03/16/15 13:12	1
Total Halogens	**349**		105	105	mg/Kg		03/16/15 13:35	03/17/15 16:51	1
Chloride	**349**		105	105	mg/Kg		03/16/15 13:35	03/17/15 16:51	1
Fluoride	21.0	U	21.0	21.0	mg/Kg		03/16/15 13:35	03/17/15 16:51	1
Bromide	105	U	105	105	mg/Kg		03/16/15 13:35	03/17/15 16:51	1
Percent Water	**100**				%			03/17/15 15:00	1

Client Sample ID: RO2 Acid

Lab Sample ID: 600-107928-6

Date Collected: 03/10/15 14:35
Date Received: 03/10/15 16:47

Matrix: Waste

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Benzene	0.315	U	2.50	0.315	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Bromoform	0.685	U	2.50	0.685	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Bromomethane	0.415	U	5.00	0.415	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
2-Butanone (MEK)	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Carbon disulfide	0.275	U	5.00	0.275	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Chloroethane	0.700	U	5.00	0.700	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Chloroform	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Chloromethane	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 16:49	1

Preliminary Data

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: RO2 Acid

Date Collected: 03/10/15 14:35
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-6

Matrix: Waste

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Ethylbenzene	0.510	U	2.50	0.510	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
2-Hexanone	0.505	U	5.00	0.505	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
4-Methyl-2-pentanone (MIBK)	0.735	U	5.00	0.735	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Styrene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Toluene	0.690	U	2.50	0.690	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Trichloroethene	0.700	U	2.50	0.700	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
o-Xylene	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
m-Xylene & p-Xylene	0.760	U	2.50	0.760	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Xylenes, Total	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 16:49	1
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*50 - 130*	*03/16/15 10:00*	*03/16/15 16:49*	*1*
Dibromofluoromethane	*96*		*68 - 140*	*03/16/15 10:00*	*03/16/15 16:49*	*1*
4-Bromofluorobenzene	*94*		*57 - 140*	*03/16/15 10:00*	*03/16/15 16:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*61 - 130*	*03/16/15 10:00*	*03/16/15 16:49*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.80	U	10.0	3.80	mg/Kg		03/16/15 14:32	03/17/15 01:48	1
>C12-C28	**25.7**		10.0	4.06	mg/Kg		03/16/15 14:32	03/17/15 01:48	1
>C28-C35	4.06	U	10.0	4.06	mg/Kg		03/16/15 14:32	03/17/15 01:48	1
C6-C35	**25.7**		10.0	3.80	mg/Kg		03/16/15 14:32	03/17/15 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*118*		*70 - 130*	*03/16/15 14:32*	*03/17/15 01:48*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.857	U	1.90	0.857	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Barium	1.52	U	1.90	1.52	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Cadmium	0.0952	U	0.952	0.0952	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Chromium	0.571	U	0.952	0.571	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Lead	0.476	U	0.952	0.476	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Selenium	0.952	U	1.90	0.952	mg/Kg		03/16/15 11:10	03/16/15 15:27	1

Preliminary Data

Client Sample ID: RO2 Acid

Lab Sample ID: 600-107928-6

Date Collected: 03/10/15 14:35
Matrix: Waste
Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.476	U	0.952	0.476	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Sodium	**1090**		190	95.2	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Sulfur	**458**		47.6	19.0	mg/Kg		03/16/15 11:10	03/16/15 23:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>186**		1.00	1.00	Degrees F			03/16/15 07:50	1
Cyanide, Reactive	0.0851	U	0.249	0.0851	mg/Kg		03/16/15 07:30	03/17/15 16:31	1
Sulfide, Reactive	13.9	U	49.8	13.9	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	**8.93**		0.0100	0.0100	SU			03/16/15 13:12	1
Total Halogens	**220**		134	134	mg/Kg		03/16/15 13:45	03/17/15 17:14	1
Chloride	**220**		134	134	mg/Kg		03/16/15 13:45	03/17/15 17:14	1
Fluoride	26.8	U	26.8	26.8	mg/Kg		03/16/15 13:45	03/17/15 17:14	1
Bromide	134	U	134	134	mg/Kg		03/16/15 13:45	03/17/15 17:14	1
Percent Water	**100**				%			03/17/15 15:00	1

Client Sample ID: 5013T Base CN 19

Lab Sample ID: 600-107928-7

Date Collected: 03/10/15 14:45
Matrix: Waste
Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Benzene	0.315	U	2.50	0.315	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Bromoform	0.685	U	2.50	0.685	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Bromomethane	0.415	U	5.00	0.415	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
2-Butanone (MEK)	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Carbon disulfide	0.275	U	5.00	0.275	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Chloroethane	0.700	U	5.00	0.700	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Chloroform	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Chloromethane	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Ethylbenzene	0.510	U	2.50	0.510	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
2-Hexanone	0.505	U	5.00	0.505	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
4-Methyl-2-pentanone (MIBK)	0.735	U	5.00	0.735	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Styrene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 17:13	1

Preliminary Data

Client Sample ID: 5013T Base CN 19

Lab Sample ID: 600-107928-7

Date Collected: 03/10/15 14:45

Matrix: Waste

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.690	U	2.50	0.690	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Trichloroethene	0.700	U	2.50	0.700	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
o-Xylene	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
m-Xylene & p-Xylene	0.760	U	2.50	0.760	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Xylenes, Total	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*50 - 130*	*03/16/15 10:00*	*03/16/15 17:13*	*1*
Dibromofluoromethane	*0*	*X*	*68 - 140*	*03/16/15 10:00*	*03/16/15 17:13*	*1*
4-Bromofluorobenzene	*100*		*57 - 140*	*03/16/15 10:00*	*03/16/15 17:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*61 - 130*	*03/16/15 10:00*	*03/16/15 17:13*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**50.1**		9.98	3.79	mg/Kg		03/16/15 14:32	03/17/15 02:20	1
>C12-C28	**24.9**		9.98	4.05	mg/Kg		03/16/15 14:32	03/17/15 02:20	1
>C28-C35	4.05	U	9.98	4.05	mg/Kg		03/16/15 14:32	03/17/15 02:20	1
C6-C35	**75.0**		9.98	3.79	mg/Kg		03/16/15 14:32	03/17/15 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*117*		*70 - 130*	*03/16/15 14:32*	*03/17/15 02:20*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.882	U	1.96	0.882	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Barium	1.57	U	1.96	1.57	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Cadmium	0.0980	U	0.980	0.0980	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Chromium	**0.765**	**J**	0.980	0.588	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Lead	0.490	U	0.980	0.490	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Selenium	0.980	U	1.96	0.980	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Silver	0.490	U	0.980	0.490	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Sodium	**36000**		196	98.0	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Sulfur	**28400**		49.0	19.6	mg/Kg		03/16/15 11:10	03/16/15 23:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>186**		1.00	1.00	Degrees F			03/16/15 07:50	1
Cyanide, Reactive	0.0844	U	0.247	0.0844	mg/Kg		03/16/15 07:30	03/17/15 16:33	1
Sulfide, Reactive	**19.7**	**J**	49.4	13.8	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	**13.9**		0.0100	0.0100	SU			03/16/15 13:12	1
Total Halogens	**1470**		139	139	mg/Kg		03/16/15 13:54	03/17/15 18:23	1
Chloride	**1430**		139	139	mg/Kg		03/16/15 13:54	03/17/15 18:23	1
Fluoride	**36.4**		27.8	27.8	mg/Kg		03/16/15 13:54	03/17/15 18:23	1
Bromide	139	U	139	139	mg/Kg		03/16/15 13:54	03/17/15 18:23	1
Percent Water	**100**				%			03/17/15 15:00	1

Preliminary Data

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4048M-NL2
Date Collected: 03/10/15 13:45
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	2.32	U	10.0	2.32	mg/L		03/13/15 12:58	03/16/15 12:39	10
Acenaphthylene	2.40	U	10.0	2.40	mg/L		03/13/15 12:58	03/16/15 12:39	10
Anthracene	2.53	U	10.0	2.53	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzidine	55.4	U	100	55.4	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzo[a]anthracene	2.49	U	10.0	2.49	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzo[a]pyrene	2.69	U	10.0	2.69	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzo[b]fluoranthene	2.76	U	10.0	2.76	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzo[g,h,i]perylene	2.86	U	10.0	2.86	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzo[k]fluoranthene	2.93	U	10.0	2.93	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzyl alcohol	1.50	U	10.0	1.50	mg/L		03/13/15 12:58	03/16/15 12:39	10
Bis(2-chloroethoxy)methane	2.52	U	10.0	2.52	mg/L		03/13/15 12:58	03/16/15 12:39	10
Bis(2-chloroethyl)ether	2.31	U	10.0	2.31	mg/L		03/13/15 12:58	03/16/15 12:39	10
bis (2-Chloroisopropyl) ether	2.56	U	10.0	2.56	mg/L		03/13/15 12:58	03/16/15 12:39	10
Bis(2-ethylhexyl) phthalate	2.51	U	10.0	2.51	mg/L		03/13/15 12:58	03/16/15 12:39	10
4-Bromophenyl phenyl ether	2.74	U	10.0	2.74	mg/L		03/13/15 12:58	03/16/15 12:39	10
Butyl benzyl phthalate	2.57	U	10.0	2.57	mg/L		03/13/15 12:58	03/16/15 12:39	10
Carbazole	2.77	U	10.0	2.77	mg/L		03/13/15 12:58	03/16/15 12:39	10
4-Chloroaniline	2.80	U	10.0	2.80	mg/L		03/13/15 12:58	03/16/15 12:39	10
4-Chloro-3-methylphenol	2.52	U	10.0	2.52	mg/L		03/13/15 12:58	03/16/15 12:39	10
2-Chloronaphthalene	2.23	U	10.0	2.23	mg/L		03/13/15 12:58	03/16/15 12:39	10
2-Chlorophenol	2.24	U	10.0	2.24	mg/L		03/13/15 12:58	03/16/15 12:39	10
4-Chlorophenyl phenyl ether	2.51	U	10.0	2.51	mg/L		03/13/15 12:58	03/16/15 12:39	10
Chrysene	2.54	U	10.0	2.54	mg/L		03/13/15 12:58	03/16/15 12:39	10
Dibenz(a,h)anthracene	2.85	U	10.0	2.85	mg/L		03/13/15 12:58	03/16/15 12:39	10
Dibenzofuran	2.31	U	10.0	2.31	mg/L		03/13/15 12:58	03/16/15 12:39	10
1,2-Dichlorobenzene	1.86	U	10.0	1.86	mg/L		03/13/15 12:58	03/16/15 12:39	10
1,3-Dichlorobenzene	1.92	U	10.0	1.92	mg/L		03/13/15 12:58	03/16/15 12:39	10
1,4-Dichlorobenzene	1.78	U	10.0	1.78	mg/L		03/13/15 12:58	03/16/15 12:39	10
3,3'-Dichlorobenzidine	3.87	U	20.0	3.87	mg/L		03/13/15 12:58	03/16/15 12:39	10
2,4-Dichlorophenol	2.60	U	10.0	2.60	mg/L		03/13/15 12:58	03/16/15 12:39	10
Diethyl phthalate	2.58	U	10.0	2.58	mg/L		03/13/15 12:58	03/16/15 12:39	10
2,4-Dimethylphenol	2.32	U	10.0	2.32	mg/L		03/13/15 12:58	03/16/15 12:39	10
Dimethyl phthalate	2.54	U	10.0	2.54	mg/L		03/13/15 12:58	03/16/15 12:39	10
Di-n-butyl phthalate	2.55	U	10.0	2.55	mg/L		03/13/15 12:58	03/16/15 12:39	10
4,6-Dinitro-2-methylphenol	4.75	U	50.0	4.75	mg/L		03/13/15 12:58	03/16/15 12:39	10
2,4-Dinitrophenol	3.55	U	50.0	3.55	mg/L		03/13/15 12:58	03/16/15 12:39	10
2,4-Dinitrotoluene	2.63	U	10.0	2.63	mg/L		03/13/15 12:58	03/16/15 12:39	10
2,6-Dinitrotoluene	2.50	U	10.0	2.50	mg/L		03/13/15 12:58	03/16/15 12:39	10
Di-n-octyl phthalate	2.50	U	10.0	2.50	mg/L		03/13/15 12:58	03/16/15 12:39	10
Fluoranthene	2.62	U	10.0	2.62	mg/L		03/13/15 12:58	03/16/15 12:39	10
Fluorene	2.29	U	10.0	2.29	mg/L		03/13/15 12:58	03/16/15 12:39	10
Hexachlorobenzene	2.59	U	10.0	2.59	mg/L		03/13/15 12:58	03/16/15 12:39	10
Hexachlorobutadiene	2.12	U	10.0	2.12	mg/L		03/13/15 12:58	03/16/15 12:39	10
Hexachlorocyclopentadiene	1.04	U	10.0	1.04	mg/L		03/13/15 12:58	03/16/15 12:39	10
Hexachloroethane	2.20	U	10.0	2.20	mg/L		03/13/15 12:58	03/16/15 12:39	10
Indeno[1,2,3-cd]pyrene	2.57	U	10.0	2.57	mg/L		03/13/15 12:58	03/16/15 12:39	10
Isophorone	2.65	U	10.0	2.65	mg/L		03/13/15 12:58	03/16/15 12:39	10
2-Methylnaphthalene	3.02	U	10.0	3.02	mg/L		03/13/15 12:58	03/16/15 12:39	10
2-Methylphenol	1.81	U	10.0	1.81	mg/L		03/13/15 12:58	03/16/15 12:39	10

Preliminary Data

Client Sample ID: 4048M-NL2

Lab Sample ID: 600-107928-8

Date Collected: 03/10/15 13:45

Matrix: Water

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	1.88	U	20.0	1.88	mg/L		03/13/15 12:58	03/16/15 12:39	10
Naphthalene	2.85	U	10.0	2.85	mg/L		03/13/15 12:58	03/16/15 12:39	10
2-Nitroaniline	2.45	U	50.0	2.45	mg/L		03/13/15 12:58	03/16/15 12:39	10
3-Nitroaniline	0.947	U	50.0	0.947	mg/L		03/13/15 12:58	03/16/15 12:39	10
4-Nitroaniline	2.30	U	50.0	2.30	mg/L		03/13/15 12:58	03/16/15 12:39	10
Nitrobenzene	2.48	U	10.0	2.48	mg/L		03/13/15 12:58	03/16/15 12:39	10
2-Nitrophenol	2.65	U	10.0	2.65	mg/L		03/13/15 12:58	03/16/15 12:39	10
4-Nitrophenol	1.51	U	50.0	1.51	mg/L		03/13/15 12:58	03/16/15 12:39	10
N-Nitrosodimethylamine	1.93	U	10.0	1.93	mg/L		03/13/15 12:58	03/16/15 12:39	10
N-Nitrosodi-n-propylamine	2.88	U	10.0	2.88	mg/L		03/13/15 12:58	03/16/15 12:39	10
N-Nitrosodiphenylamine	2.73	U	10.0	2.73	mg/L		03/13/15 12:58	03/16/15 12:39	10
Pentachlorophenol	4.62	U	50.0	4.62	mg/L		03/13/15 12:58	03/16/15 12:39	10
Phenanthrene	0.790	U	10.0	0.790	mg/L		03/13/15 12:58	03/16/15 12:39	10
Phenol	0.991	U	10.0	0.991	mg/L		03/13/15 12:58	03/16/15 12:39	10
Pyrene	2.40	U	10.0	2.40	mg/L		03/13/15 12:58	03/16/15 12:39	10
1,2,4-Trichlorobenzene	2.26	U	10.0	2.26	mg/L		03/13/15 12:58	03/16/15 12:39	10
2,4,5-Trichlorophenol	2.71	U	10.0	2.71	mg/L		03/13/15 12:58	03/16/15 12:39	10
2,4,6-Trichlorophenol	2.59	U	10.0	2.59	mg/L		03/13/15 12:58	03/16/15 12:39	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*41 - 130*	*03/13/15 12:58*	*03/16/15 12:39*	*10*
2-Fluorophenol	*20*		*10 - 130*	*03/13/15 12:58*	*03/16/15 12:39*	*10*
Nitrobenzene-d5	*114*		*35 - 130*	*03/13/15 12:58*	*03/16/15 12:39*	*10*
Phenol-d5 (Surr)	*15*		*10 - 130*	*03/13/15 12:58*	*03/16/15 12:39*	*10*
Terphenyl-d14	*57*		*43 - 130*	*03/13/15 12:58*	*03/16/15 12:39*	*10*
2,4,6-Tribromophenol	*0*	*X*	*12 - 138*	*03/13/15 12:58*	*03/16/15 12:39*	*10*

Client Sample ID: 4047M-Acid 6

Lab Sample ID: 600-107928-9

Date Collected: 03/10/15 13:55

Matrix: Water

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.926	U	4.00	0.926	mg/L		03/13/15 12:58	03/16/15 13:12	10
Acenaphthylene	0.959	U	4.00	0.959	mg/L		03/13/15 12:58	03/16/15 13:12	10
Anthracene	1.01	U	4.00	1.01	mg/L		03/13/15 12:58	03/16/15 13:12	10
Benzidine	22.2	U	40.0	22.2	mg/L		03/13/15 12:58	03/16/15 13:12	10
Benzo[a]anthracene	0.996	U	4.00	0.996	mg/L		03/13/15 12:58	03/16/15 13:12	10
Benzo[a]pyrene	1.08	U	4.00	1.08	mg/L		03/13/15 12:58	03/16/15 13:12	10
Benzo[b]fluoranthene	1.10	U	4.00	1.10	mg/L		03/13/15 12:58	03/16/15 13:12	10
Benzo[g,h,i]perylene	1.15	U	4.00	1.15	mg/L		03/13/15 12:58	03/16/15 13:12	10
Benzo[k]fluoranthene	1.17	U	4.00	1.17	mg/L		03/13/15 12:58	03/16/15 13:12	10
Benzyl alcohol	0.599	U	4.00	0.599	mg/L		03/13/15 12:58	03/16/15 13:12	10
Bis(2-chloroethoxy)methane	1.01	U	4.00	1.01	mg/L		03/13/15 12:58	03/16/15 13:12	10
Bis(2-chloroethyl)ether	0.922	U	4.00	0.922	mg/L		03/13/15 12:58	03/16/15 13:12	10
bis (2-Chloroisopropyl) ether	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 13:12	10
Bis(2-ethylhexyl) phthalate	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 13:12	10
4-Bromophenyl phenyl ether	1.10	U	4.00	1.10	mg/L		03/13/15 12:58	03/16/15 13:12	10
Butyl benzyl phthalate	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 13:12	10
Carbazole	1.11	U	4.00	1.11	mg/L		03/13/15 12:58	03/16/15 13:12	10

Preliminary Data

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4047M-Acid 6
Date Collected: 03/10/15 13:55
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	1.12	U	4.00	1.12	mg/L		03/13/15 12:58	03/16/15 13:12	10
4-Chloro-3-methylphenol	1.01	U	4.00	1.01	mg/L		03/13/15 12:58	03/16/15 13:12	10
2-Chloronaphthalene	0.892	U	4.00	0.892	mg/L		03/13/15 12:58	03/16/15 13:12	10
2-Chlorophenol	0.897	U	4.00	0.897	mg/L		03/13/15 12:58	03/16/15 13:12	10
4-Chlorophenyl phenyl ether	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 13:12	10
Chrysene	1.02	U	4.00	1.02	mg/L		03/13/15 12:58	03/16/15 13:12	10
Dibenz(a,h)anthracene	1.14	U	4.00	1.14	mg/L		03/13/15 12:58	03/16/15 13:12	10
Dibenzofuran	0.922	U	4.00	0.922	mg/L		03/13/15 12:58	03/16/15 13:12	10
1,2-Dichlorobenzene	0.743	U	4.00	0.743	mg/L		03/13/15 12:58	03/16/15 13:12	10
1,3-Dichlorobenzene	0.766	U	4.00	0.766	mg/L		03/13/15 12:58	03/16/15 13:12	10
1,4-Dichlorobenzene	0.712	U	4.00	0.712	mg/L		03/13/15 12:58	03/16/15 13:12	10
3,3'-Dichlorobenzidine	1.55	U	8.00	1.55	mg/L		03/13/15 12:58	03/16/15 13:12	10
2,4-Dichlorophenol	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 13:12	10
Diethyl phthalate	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 13:12	10
2,4-Dimethylphenol	0.927	U	4.00	0.927	mg/L		03/13/15 12:58	03/16/15 13:12	10
Dimethyl phthalate	1.02	U	4.00	1.02	mg/L		03/13/15 12:58	03/16/15 13:12	10
Di-n-butyl phthalate	1.02	U	4.00	1.02	mg/L		03/13/15 12:58	03/16/15 13:12	10
4,6-Dinitro-2-methylphenol	1.90	U	20.0	1.90	mg/L		03/13/15 12:58	03/16/15 13:12	10
2,4-Dinitrophenol	1.42	U	20.0	1.42	mg/L		03/13/15 12:58	03/16/15 13:12	10
2,4-Dinitrotoluene	1.05	U	4.00	1.05	mg/L		03/13/15 12:58	03/16/15 13:12	10
2,6-Dinitrotoluene	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 13:12	10
Di-n-octyl phthalate	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 13:12	10
Fluoranthene	1.05	U	4.00	1.05	mg/L		03/13/15 12:58	03/16/15 13:12	10
Fluorene	0.915	U	4.00	0.915	mg/L		03/13/15 12:58	03/16/15 13:12	10
Hexachlorobenzene	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 13:12	10
Hexachlorobutadiene	0.846	U	4.00	0.846	mg/L		03/13/15 12:58	03/16/15 13:12	10
Hexachlorocyclopentadiene	0.417	U	4.00	0.417	mg/L		03/13/15 12:58	03/16/15 13:12	10
Hexachloroethane	0.878	U	4.00	0.878	mg/L		03/13/15 12:58	03/16/15 13:12	10
Indeno[1,2,3-cd]pyrene	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 13:12	10
Isophorone	1.06	U	4.00	1.06	mg/L		03/13/15 12:58	03/16/15 13:12	10
2-Methylnaphthalene	**2.20**	**J**	4.00	1.21	mg/L		03/13/15 12:58	03/16/15 13:12	10
2-Methylphenol	**1.35**	**J**	4.00	0.724	mg/L		03/13/15 12:58	03/16/15 13:12	10
3 & 4 Methylphenol	**3.73**	**J**	8.00	0.752	mg/L		03/13/15 12:58	03/16/15 13:12	10
Naphthalene	**3.68**	**J**	4.00	1.14	mg/L		03/13/15 12:58	03/16/15 13:12	10
2-Nitroaniline	0.980	U	20.0	0.980	mg/L		03/13/15 12:58	03/16/15 13:12	10
3-Nitroaniline	0.379	U	20.0	0.379	mg/L		03/13/15 12:58	03/16/15 13:12	10
4-Nitroaniline	0.918	U	20.0	0.918	mg/L		03/13/15 12:58	03/16/15 13:12	10
Nitrobenzene	0.993	U	4.00	0.993	mg/L		03/13/15 12:58	03/16/15 13:12	10
2-Nitrophenol	1.06	U	4.00	1.06	mg/L		03/13/15 12:58	03/16/15 13:12	10
4-Nitrophenol	0.604	U	20.0	0.604	mg/L		03/13/15 12:58	03/16/15 13:12	10
N-Nitrosodimethylamine	0.772	U	4.00	0.772	mg/L		03/13/15 12:58	03/16/15 13:12	10
N-Nitrosodi-n-propylamine	1.15	U	4.00	1.15	mg/L		03/13/15 12:58	03/16/15 13:12	10
N-Nitrosodiphenylamine	1.09	U	4.00	1.09	mg/L		03/13/15 12:58	03/16/15 13:12	10
Pentachlorophenol	1.85	U	20.0	1.85	mg/L		03/13/15 12:58	03/16/15 13:12	10
Phenanthrene	**0.776**	**J**	4.00	0.316	mg/L		03/13/15 12:58	03/16/15 13:12	10
Phenol	0.396	U	4.00	0.396	mg/L		03/13/15 12:58	03/16/15 13:12	10
Pyrene	0.960	U	4.00	0.960	mg/L		03/13/15 12:58	03/16/15 13:12	10
1,2,4-Trichlorobenzene	0.903	U	4.00	0.903	mg/L		03/13/15 12:58	03/16/15 13:12	10
2,4,5-Trichlorophenol	1.09	U	4.00	1.09	mg/L		03/13/15 12:58	03/16/15 13:12	10

Preliminary Data

Client Sample ID: 4047M-Acid 6

Lab Sample ID: 600-107928-9

Date Collected: 03/10/15 13:55

Matrix: Water

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 13:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*98*		*41 - 130*	*03/13/15 12:58*	*03/16/15 13:12*	*10*
2-Fluorophenol	*28*		*10 - 130*	*03/13/15 12:58*	*03/16/15 13:12*	*10*
Nitrobenzene-d5	*118*		*35 - 130*	*03/13/15 12:58*	*03/16/15 13:12*	*10*
Phenol-d5 (Surr)	*23*		*10 - 130*	*03/13/15 12:58*	*03/16/15 13:12*	*10*
Terphenyl-d14	*94*		*43 - 130*	*03/13/15 12:58*	*03/16/15 13:12*	*10*
2,4,6-Tribromophenol	*0*	*X*	*12 - 138*	*03/13/15 12:58*	*03/16/15 13:12*	*10*

Client Sample ID: 4046M-Acid 7

Lab Sample ID: 600-107928-10

Date Collected: 03/10/15 14:05

Matrix: Water

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	4.63	U	20.0	4.63	mg/L		03/13/15 12:58	03/16/15 13:45	20
Acenaphthylene	4.79	U	20.0	4.79	mg/L		03/13/15 12:58	03/16/15 13:45	20
Anthracene	5.07	U	20.0	5.07	mg/L		03/13/15 12:58	03/16/15 13:45	20
Benzidine	111	U	200	111	mg/L		03/13/15 12:58	03/16/15 13:45	20
Benzo[a]anthracene	4.98	U	20.0	4.98	mg/L		03/13/15 12:58	03/16/15 13:45	20
Benzo[a]pyrene	5.38	U	20.0	5.38	mg/L		03/13/15 12:58	03/16/15 13:45	20
Benzo[b]fluoranthene	5.51	U	20.0	5.51	mg/L		03/13/15 12:58	03/16/15 13:45	20
Benzo[g,h,i]perylene	5.73	U	20.0	5.73	mg/L		03/13/15 12:58	03/16/15 13:45	20
Benzo[k]fluoranthene	5.86	U	20.0	5.86	mg/L		03/13/15 12:58	03/16/15 13:45	20
Benzyl alcohol	3.00	U	20.0	3.00	mg/L		03/13/15 12:58	03/16/15 13:45	20
Bis(2-chloroethoxy)methane	5.04	U	20.0	5.04	mg/L		03/13/15 12:58	03/16/15 13:45	20
Bis(2-chloroethyl)ether	4.61	U	20.0	4.61	mg/L		03/13/15 12:58	03/16/15 13:45	20
bis (2-Chloroisopropyl) ether	5.13	U	20.0	5.13	mg/L		03/13/15 12:58	03/16/15 13:45	20
Bis(2-ethylhexyl) phthalate	5.01	U	20.0	5.01	mg/L		03/13/15 12:58	03/16/15 13:45	20
4-Bromophenyl phenyl ether	5.48	U	20.0	5.48	mg/L		03/13/15 12:58	03/16/15 13:45	20
Butyl benzyl phthalate	5.14	U	20.0	5.14	mg/L		03/13/15 12:58	03/16/15 13:45	20
Carbazole	5.55	U	20.0	5.55	mg/L		03/13/15 12:58	03/16/15 13:45	20
4-Chloroaniline	5.60	U	20.0	5.60	mg/L		03/13/15 12:58	03/16/15 13:45	20
4-Chloro-3-methylphenol	5.03	U	20.0	5.03	mg/L		03/13/15 12:58	03/16/15 13:45	20
2-Chloronaphthalene	4.46	U	20.0	4.46	mg/L		03/13/15 12:58	03/16/15 13:45	20
2-Chlorophenol	4.49	U	20.0	4.49	mg/L		03/13/15 12:58	03/16/15 13:45	20
4-Chlorophenyl phenyl ether	5.02	U	20.0	5.02	mg/L		03/13/15 12:58	03/16/15 13:45	20
Chrysene	5.08	U	20.0	5.08	mg/L		03/13/15 12:58	03/16/15 13:45	20
Dibenz(a,h)anthracene	5.71	U	20.0	5.71	mg/L		03/13/15 12:58	03/16/15 13:45	20
Dibenzofuran	4.61	U	20.0	4.61	mg/L		03/13/15 12:58	03/16/15 13:45	20
1,2-Dichlorobenzene	3.72	U	20.0	3.72	mg/L		03/13/15 12:58	03/16/15 13:45	20
1,3-Dichlorobenzene	3.83	U	20.0	3.83	mg/L		03/13/15 12:58	03/16/15 13:45	20
1,4-Dichlorobenzene	3.56	U	20.0	3.56	mg/L		03/13/15 12:58	03/16/15 13:45	20
3,3'-Dichlorobenzidine	7.74	U	40.0	7.74	mg/L		03/13/15 12:58	03/16/15 13:45	20
2,4-Dichlorophenol	5.19	U	20.0	5.19	mg/L		03/13/15 12:58	03/16/15 13:45	20
Diethyl phthalate	5.16	U	20.0	5.16	mg/L		03/13/15 12:58	03/16/15 13:45	20
2,4-Dimethylphenol	**5.55**	**J**	20.0	4.64	mg/L		03/13/15 12:58	03/16/15 13:45	20
Dimethyl phthalate	5.08	U	20.0	5.08	mg/L		03/13/15 12:58	03/16/15 13:45	20
Di-n-butyl phthalate	5.10	U	20.0	5.10	mg/L		03/13/15 12:58	03/16/15 13:45	20

Preliminary Data

Client Sample ID: 4046M-Acid 7

Lab Sample ID: 600-107928-10

Date Collected: 03/10/15 14:05

Matrix: Water

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	9.50	U	100	9.50	mg/L		03/13/15 12:58	03/16/15 13:45	20
2,4-Dinitrophenol	7.09	U	100	7.09	mg/L		03/13/15 12:58	03/16/15 13:45	20
2,4-Dinitrotoluene	5.26	U	20.0	5.26	mg/L		03/13/15 12:58	03/16/15 13:45	20
2,6-Dinitrotoluene	5.01	U	20.0	5.01	mg/L		03/13/15 12:58	03/16/15 13:45	20
Di-n-octyl phthalate	5.01	U	20.0	5.01	mg/L		03/13/15 12:58	03/16/15 13:45	20
Fluoranthene	5.25	U	20.0	5.25	mg/L		03/13/15 12:58	03/16/15 13:45	20
Fluorene	4.58	U	20.0	4.58	mg/L		03/13/15 12:58	03/16/15 13:45	20
Hexachlorobenzene	5.18	U	20.0	5.18	mg/L		03/13/15 12:58	03/16/15 13:45	20
Hexachlorobutadiene	4.23	U	20.0	4.23	mg/L		03/13/15 12:58	03/16/15 13:45	20
Hexachlorocyclopentadiene	2.09	U	20.0	2.09	mg/L		03/13/15 12:58	03/16/15 13:45	20
Hexachloroethane	4.39	U	20.0	4.39	mg/L		03/13/15 12:58	03/16/15 13:45	20
Indeno[1,2,3-cd]pyrene	5.14	U	20.0	5.14	mg/L		03/13/15 12:58	03/16/15 13:45	20
Isophorone	5.30	U	20.0	5.30	mg/L		03/13/15 12:58	03/16/15 13:45	20
2-Methylnaphthalene	6.05	U	20.0	6.05	mg/L		03/13/15 12:58	03/16/15 13:45	20
2-Methylphenol	**6.07**	**J**	20.0	3.62	mg/L		03/13/15 12:58	03/16/15 13:45	20
3 & 4 Methylphenol	**5.02**	**J**	40.0	3.76	mg/L		03/13/15 12:58	03/16/15 13:45	20
Naphthalene	5.70	U	20.0	5.70	mg/L		03/13/15 12:58	03/16/15 13:45	20
2-Nitroaniline	4.90	U	100	4.90	mg/L		03/13/15 12:58	03/16/15 13:45	20
3-Nitroaniline	1.89	U	100	1.89	mg/L		03/13/15 12:58	03/16/15 13:45	20
4-Nitroaniline	4.59	U	100	4.59	mg/L		03/13/15 12:58	03/16/15 13:45	20
Nitrobenzene	4.97	U	20.0	4.97	mg/L		03/13/15 12:58	03/16/15 13:45	20
2-Nitrophenol	5.29	U	20.0	5.29	mg/L		03/13/15 12:58	03/16/15 13:45	20
4-Nitrophenol	3.02	U	100	3.02	mg/L		03/13/15 12:58	03/16/15 13:45	20
N-Nitrosodimethylamine	3.86	U	20.0	3.86	mg/L		03/13/15 12:58	03/16/15 13:45	20
N-Nitrosodi-n-propylamine	5.76	U	20.0	5.76	mg/L		03/13/15 12:58	03/16/15 13:45	20
N-Nitrosodiphenylamine	5.46	U	20.0	5.46	mg/L		03/13/15 12:58	03/16/15 13:45	20
Pentachlorophenol	9.24	U	100	9.24	mg/L		03/13/15 12:58	03/16/15 13:45	20
Phenanthrene	**14.4**	**J**	20.0	1.58	mg/L		03/13/15 12:58	03/16/15 13:45	20
Phenol	**2.68**	**J**	20.0	1.98	mg/L		03/13/15 12:58	03/16/15 13:45	20
Pyrene	4.80	U	20.0	4.80	mg/L		03/13/15 12:58	03/16/15 13:45	20
1,2,4-Trichlorobenzene	4.52	U	20.0	4.52	mg/L		03/13/15 12:58	03/16/15 13:45	20
2,4,5-Trichlorophenol	5.43	U	20.0	5.43	mg/L		03/13/15 12:58	03/16/15 13:45	20
2,4,6-Trichlorophenol	5.18	U	20.0	5.18	mg/L		03/13/15 12:58	03/16/15 13:45	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*X*	*41 - 130*	*03/13/15 12:58*	*03/16/15 13:45*	*20*
2-Fluorophenol	*0*	*X*	*10 - 130*	*03/13/15 12:58*	*03/16/15 13:45*	*20*
Nitrobenzene-d5	*0*	*X*	*35 - 130*	*03/13/15 12:58*	*03/16/15 13:45*	*20*
Phenol-d5 (Surr)	*0*	*X*	*10 - 130*	*03/13/15 12:58*	*03/16/15 13:45*	*20*
Terphenyl-d14	*0*	*X*	*43 - 130*	*03/13/15 12:58*	*03/16/15 13:45*	*20*
2,4,6-Tribromophenol	*0*	*X*	*12 - 138*	*03/13/15 12:58*	*03/16/15 13:45*	*20*

Client Sample ID: 2020T-Acid 14

Lab Sample ID: 600-107928-11

Date Collected: 03/10/15 14:15

Matrix: Water

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	2.32	U	10.0	2.32	mg/L		03/13/15 12:58	03/16/15 14:18	10
Acenaphthylene	2.40	U	10.0	2.40	mg/L		03/13/15 12:58	03/16/15 14:18	10

Preliminary Data

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 2020T-Acid 14
Date Collected: 03/10/15 14:15
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	2.53	U	10.0	2.53	mg/L		03/13/15 12:58	03/16/15 14:18	10
Benzidine	55.4	U	100	55.4	mg/L		03/13/15 12:58	03/16/15 14:18	10
Benzo[a]anthracene	2.49	U	10.0	2.49	mg/L		03/13/15 12:58	03/16/15 14:18	10
Benzo[a]pyrene	2.69	U	10.0	2.69	mg/L		03/13/15 12:58	03/16/15 14:18	10
Benzo[b]fluoranthene	2.76	U	10.0	2.76	mg/L		03/13/15 12:58	03/16/15 14:18	10
Benzo[g,h,i]perylene	2.86	U	10.0	2.86	mg/L		03/13/15 12:58	03/16/15 14:18	10
Benzo[k]fluoranthene	2.93	U	10.0	2.93	mg/L		03/13/15 12:58	03/16/15 14:18	10
Benzyl alcohol	1.50	U	10.0	1.50	mg/L		03/13/15 12:58	03/16/15 14:18	10
Bis(2-chloroethoxy)methane	2.52	U	10.0	2.52	mg/L		03/13/15 12:58	03/16/15 14:18	10
Bis(2-chloroethyl)ether	2.31	U	10.0	2.31	mg/L		03/13/15 12:58	03/16/15 14:18	10
bis (2-Chloroisopropyl) ether	2.56	U	10.0	2.56	mg/L		03/13/15 12:58	03/16/15 14:18	10
Bis(2-ethylhexyl) phthalate	2.51	U	10.0	2.51	mg/L		03/13/15 12:58	03/16/15 14:18	10
4-Bromophenyl phenyl ether	2.74	U	10.0	2.74	mg/L		03/13/15 12:58	03/16/15 14:18	10
Butyl benzyl phthalate	2.57	U	10.0	2.57	mg/L		03/13/15 12:58	03/16/15 14:18	10
Carbazole	2.77	U	10.0	2.77	mg/L		03/13/15 12:58	03/16/15 14:18	10
4-Chloroaniline	2.80	U	10.0	2.80	mg/L		03/13/15 12:58	03/16/15 14:18	10
4-Chloro-3-methylphenol	2.52	U	10.0	2.52	mg/L		03/13/15 12:58	03/16/15 14:18	10
2-Chloronaphthalene	2.23	U	10.0	2.23	mg/L		03/13/15 12:58	03/16/15 14:18	10
2-Chlorophenol	2.24	U	10.0	2.24	mg/L		03/13/15 12:58	03/16/15 14:18	10
4-Chlorophenyl phenyl ether	2.51	U	10.0	2.51	mg/L		03/13/15 12:58	03/16/15 14:18	10
Chrysene	2.54	U	10.0	2.54	mg/L		03/13/15 12:58	03/16/15 14:18	10
Dibenz(a,h)anthracene	2.85	U	10.0	2.85	mg/L		03/13/15 12:58	03/16/15 14:18	10
Dibenzofuran	2.31	U	10.0	2.31	mg/L		03/13/15 12:58	03/16/15 14:18	10
1,2-Dichlorobenzene	1.86	U	10.0	1.86	mg/L		03/13/15 12:58	03/16/15 14:18	10
1,3-Dichlorobenzene	1.92	U	10.0	1.92	mg/L		03/13/15 12:58	03/16/15 14:18	10
1,4-Dichlorobenzene	1.78	U	10.0	1.78	mg/L		03/13/15 12:58	03/16/15 14:18	10
3,3'-Dichlorobenzidine	3.87	U	20.0	3.87	mg/L		03/13/15 12:58	03/16/15 14:18	10
2,4-Dichlorophenol	2.60	U	10.0	2.60	mg/L		03/13/15 12:58	03/16/15 14:18	10
Diethyl phthalate	2.58	U	10.0	2.58	mg/L		03/13/15 12:58	03/16/15 14:18	10
2,4-Dimethylphenol	2.32	U	10.0	2.32	mg/L		03/13/15 12:58	03/16/15 14:18	10
Dimethyl phthalate	2.54	U	10.0	2.54	mg/L		03/13/15 12:58	03/16/15 14:18	10
Di-n-butyl phthalate	2.55	U	10.0	2.55	mg/L		03/13/15 12:58	03/16/15 14:18	10
4,6-Dinitro-2-methylphenol	4.75	U	50.0	4.75	mg/L		03/13/15 12:58	03/16/15 14:18	10
2,4-Dinitrophenol	3.55	U	50.0	3.55	mg/L		03/13/15 12:58	03/16/15 14:18	10
2,4-Dinitrotoluene	2.63	U	10.0	2.63	mg/L		03/13/15 12:58	03/16/15 14:18	10
2,6-Dinitrotoluene	2.50	U	10.0	2.50	mg/L		03/13/15 12:58	03/16/15 14:18	10
Di-n-octyl phthalate	2.50	U	10.0	2.50	mg/L		03/13/15 12:58	03/16/15 14:18	10
Fluoranthene	2.62	U	10.0	2.62	mg/L		03/13/15 12:58	03/16/15 14:18	10
Fluorene	2.29	U	10.0	2.29	mg/L		03/13/15 12:58	03/16/15 14:18	10
Hexachlorobenzene	2.59	U	10.0	2.59	mg/L		03/13/15 12:58	03/16/15 14:18	10
Hexachlorobutadiene	2.12	U	10.0	2.12	mg/L		03/13/15 12:58	03/16/15 14:18	10
Hexachlorocyclopentadiene	1.04	U	10.0	1.04	mg/L		03/13/15 12:58	03/16/15 14:18	10
Hexachloroethane	2.20	U	10.0	2.20	mg/L		03/13/15 12:58	03/16/15 14:18	10
Indeno[1,2,3-cd]pyrene	2.57	U	10.0	2.57	mg/L		03/13/15 12:58	03/16/15 14:18	10
Isophorone	2.65	U	10.0	2.65	mg/L		03/13/15 12:58	03/16/15 14:18	10
2-Methylnaphthalene	3.02	U	10.0	3.02	mg/L		03/13/15 12:58	03/16/15 14:18	10
2-Methylphenol	1.81	U	10.0	1.81	mg/L		03/13/15 12:58	03/16/15 14:18	10
3 & 4 Methylphenol	1.88	U	20.0	1.88	mg/L		03/13/15 12:58	03/16/15 14:18	10
Naphthalene	2.85	U	10.0	2.85	mg/L		03/13/15 12:58	03/16/15 14:18	10

Preliminary Data

Client Sample ID: 2020T-Acid 14

Lab Sample ID: 600-107928-11

Date Collected: 03/10/15 14:15
Date Received: 03/10/15 16:47
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	2.45	U	50.0	2.45	mg/L		03/13/15 12:58	03/16/15 14:18	10
3-Nitroaniline	0.947	U	50.0	0.947	mg/L		03/13/15 12:58	03/16/15 14:18	10
4-Nitroaniline	2.30	U	50.0	2.30	mg/L		03/13/15 12:58	03/16/15 14:18	10
Nitrobenzene	2.48	U	10.0	2.48	mg/L		03/13/15 12:58	03/16/15 14:18	10
2-Nitrophenol	2.65	U	10.0	2.65	mg/L		03/13/15 12:58	03/16/15 14:18	10
4-Nitrophenol	1.51	U	50.0	1.51	mg/L		03/13/15 12:58	03/16/15 14:18	10
N-Nitrosodimethylamine	1.93	U	10.0	1.93	mg/L		03/13/15 12:58	03/16/15 14:18	10
N-Nitrosodi-n-propylamine	2.88	U	10.0	2.88	mg/L		03/13/15 12:58	03/16/15 14:18	10
N-Nitrosodiphenylamine	2.73	U	10.0	2.73	mg/L		03/13/15 12:58	03/16/15 14:18	10
Pentachlorophenol	4.62	U	50.0	4.62	mg/L		03/13/15 12:58	03/16/15 14:18	10
Phenanthrene	0.790	U	10.0	0.790	mg/L		03/13/15 12:58	03/16/15 14:18	10
Phenol	0.991	U	10.0	0.991	mg/L		03/13/15 12:58	03/16/15 14:18	10
Pyrene	2.40	U	10.0	2.40	mg/L		03/13/15 12:58	03/16/15 14:18	10
1,2,4-Trichlorobenzene	2.26	U	10.0	2.26	mg/L		03/13/15 12:58	03/16/15 14:18	10
2,4,5-Trichlorophenol	2.71	U	10.0	2.71	mg/L		03/13/15 12:58	03/16/15 14:18	10
2,4,6-Trichlorophenol	2.59	U	10.0	2.59	mg/L		03/13/15 12:58	03/16/15 14:18	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*41 - 130*	*03/13/15 12:58*	*03/16/15 14:18*	*10*
2-Fluorophenol	*49*		*10 - 130*	*03/13/15 12:58*	*03/16/15 14:18*	*10*
Nitrobenzene-d5	*113*		*35 - 130*	*03/13/15 12:58*	*03/16/15 14:18*	*10*
Phenol-d5 (Surr)	*32*		*10 - 130*	*03/13/15 12:58*	*03/16/15 14:18*	*10*
Terphenyl-d14	*80*		*43 - 130*	*03/13/15 12:58*	*03/16/15 14:18*	*10*
2,4,6-Tribromophenol	*18*		*12 - 138*	*03/13/15 12:58*	*03/16/15 14:18*	*10*

Client Sample ID: PT6 Acid

Lab Sample ID: 600-107928-12

Date Collected: 03/10/15 14:25
Date Received: 03/10/15 16:47
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.926	U	4.00	0.926	mg/L		03/13/15 12:58	03/16/15 14:51	10
Acenaphthylene	0.959	U	4.00	0.959	mg/L		03/13/15 12:58	03/16/15 14:51	10
Anthracene	1.01	U	4.00	1.01	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzidine	22.2	U	40.0	22.2	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzo[a]anthracene	0.996	U	4.00	0.996	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzo[a]pyrene	1.08	U	4.00	1.08	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzo[b]fluoranthene	1.10	U	4.00	1.10	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzo[g,h,i]perylene	1.15	U	4.00	1.15	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzo[k]fluoranthene	1.17	U	4.00	1.17	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzyl alcohol	0.599	U	4.00	0.599	mg/L		03/13/15 12:58	03/16/15 14:51	10
Bis(2-chloroethoxy)methane	1.01	U	4.00	1.01	mg/L		03/13/15 12:58	03/16/15 14:51	10
Bis(2-chloroethyl)ether	0.922	U	4.00	0.922	mg/L		03/13/15 12:58	03/16/15 14:51	10
bis (2-Chloroisopropyl) ether	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 14:51	10
Bis(2-ethylhexyl) phthalate	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 14:51	10
4-Bromophenyl phenyl ether	1.10	U	4.00	1.10	mg/L		03/13/15 12:58	03/16/15 14:51	10
Butyl benzyl phthalate	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 14:51	10
Carbazole	1.11	U	4.00	1.11	mg/L		03/13/15 12:58	03/16/15 14:51	10
4-Chloroaniline	1.12	U	4.00	1.12	mg/L		03/13/15 12:58	03/16/15 14:51	10
4-Chloro-3-methylphenol	1.01	U	4.00	1.01	mg/L		03/13/15 12:58	03/16/15 14:51	10

Preliminary Data

Client Sample ID: PT6 Acid

Date Collected: 03/10/15 14:25
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	0.892	U	4.00	0.892	mg/L		03/13/15 12:58	03/16/15 14:51	10
2-Chlorophenol	0.897	U	4.00	0.897	mg/L		03/13/15 12:58	03/16/15 14:51	10
4-Chlorophenyl phenyl ether	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 14:51	10
Chrysene	1.02	U	4.00	1.02	mg/L		03/13/15 12:58	03/16/15 14:51	10
Dibenz(a,h)anthracene	1.14	U	4.00	1.14	mg/L		03/13/15 12:58	03/16/15 14:51	10
Dibenzofuran	0.922	U	4.00	0.922	mg/L		03/13/15 12:58	03/16/15 14:51	10
1,2-Dichlorobenzene	0.743	U	4.00	0.743	mg/L		03/13/15 12:58	03/16/15 14:51	10
1,3-Dichlorobenzene	0.766	U	4.00	0.766	mg/L		03/13/15 12:58	03/16/15 14:51	10
1,4-Dichlorobenzene	0.712	U	4.00	0.712	mg/L		03/13/15 12:58	03/16/15 14:51	10
3,3'-Dichlorobenzidine	1.55	U	8.00	1.55	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,4-Dichlorophenol	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 14:51	10
Diethyl phthalate	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,4-Dimethylphenol	0.927	U	4.00	0.927	mg/L		03/13/15 12:58	03/16/15 14:51	10
Dimethyl phthalate	1.02	U	4.00	1.02	mg/L		03/13/15 12:58	03/16/15 14:51	10
Di-n-butyl phthalate	1.02	U	4.00	1.02	mg/L		03/13/15 12:58	03/16/15 14:51	10
4,6-Dinitro-2-methylphenol	1.90	U	20.0	1.90	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,4-Dinitrophenol	1.42	U	20.0	1.42	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,4-Dinitrotoluene	1.05	U	4.00	1.05	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,6-Dinitrotoluene	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 14:51	10
Di-n-octyl phthalate	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 14:51	10
Fluoranthene	1.05	U	4.00	1.05	mg/L		03/13/15 12:58	03/16/15 14:51	10
Fluorene	0.915	U	4.00	0.915	mg/L		03/13/15 12:58	03/16/15 14:51	10
Hexachlorobenzene	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 14:51	10
Hexachlorobutadiene	0.846	U	4.00	0.846	mg/L		03/13/15 12:58	03/16/15 14:51	10
Hexachlorocyclopentadiene	0.417	U	4.00	0.417	mg/L		03/13/15 12:58	03/16/15 14:51	10
Hexachloroethane	0.878	U	4.00	0.878	mg/L		03/13/15 12:58	03/16/15 14:51	10
Indeno[1,2,3-cd]pyrene	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 14:51	10
Isophorone	1.06	U	4.00	1.06	mg/L		03/13/15 12:58	03/16/15 14:51	10
2-Methylnaphthalene	1.21	U	4.00	1.21	mg/L		03/13/15 12:58	03/16/15 14:51	10
2-Methylphenol	0.724	U	4.00	0.724	mg/L		03/13/15 12:58	03/16/15 14:51	10
3 & 4 Methylphenol	0.752	U	8.00	0.752	mg/L		03/13/15 12:58	03/16/15 14:51	10
Naphthalene	1.14	U	4.00	1.14	mg/L		03/13/15 12:58	03/16/15 14:51	10
2-Nitroaniline	0.980	U	20.0	0.980	mg/L		03/13/15 12:58	03/16/15 14:51	10
3-Nitroaniline	0.379	U	20.0	0.379	mg/L		03/13/15 12:58	03/16/15 14:51	10
4-Nitroaniline	0.918	U	20.0	0.918	mg/L		03/13/15 12:58	03/16/15 14:51	10
Nitrobenzene	0.993	U	4.00	0.993	mg/L		03/13/15 12:58	03/16/15 14:51	10
2-Nitrophenol	1.06	U	4.00	1.06	mg/L		03/13/15 12:58	03/16/15 14:51	10
4-Nitrophenol	0.604	U	20.0	0.604	mg/L		03/13/15 12:58	03/16/15 14:51	10
N-Nitrosodimethylamine	0.772	U	4.00	0.772	mg/L		03/13/15 12:58	03/16/15 14:51	10
N-Nitrosodi-n-propylamine	1.15	U	4.00	1.15	mg/L		03/13/15 12:58	03/16/15 14:51	10
N-Nitrosodiphenylamine	1.09	U	4.00	1.09	mg/L		03/13/15 12:58	03/16/15 14:51	10
Pentachlorophenol	1.85	U	20.0	1.85	mg/L		03/13/15 12:58	03/16/15 14:51	10
Phenanthrene	0.316	U	4.00	0.316	mg/L		03/13/15 12:58	03/16/15 14:51	10
Phenol	0.396	U	4.00	0.396	mg/L		03/13/15 12:58	03/16/15 14:51	10
Pyrene	0.960	U	4.00	0.960	mg/L		03/13/15 12:58	03/16/15 14:51	10
1,2,4-Trichlorobenzene	0.903	U	4.00	0.903	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,4,5-Trichlorophenol	1.09	U	4.00	1.09	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,4,6-Trichlorophenol	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 14:51	10

Preliminary Data

Client Sample ID: PT6 Acid

Lab Sample ID: 600-107928-12

Date Collected: 03/10/15 14:25

Matrix: Water

Date Received: 03/10/15 16:47

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		41 - 130	03/13/15 12:58	03/16/15 14:51	10
2-Fluorophenol	42		10 - 130	03/13/15 12:58	03/16/15 14:51	10
Nitrobenzene-d5	108		35 - 130	03/13/15 12:58	03/16/15 14:51	10
Phenol-d5 (Surr)	25		10 - 130	03/13/15 12:58	03/16/15 14:51	10
Terphenyl-d14	108		43 - 130	03/13/15 12:58	03/16/15 14:51	10
2,4,6-Tribromophenol	0	X	12 - 138	03/13/15 12:58	03/16/15 14:51	10

Client Sample ID: RO2 Acid

Lab Sample ID: 600-107928-13

Date Collected: 03/10/15 14:35

Matrix: Water

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.926	U	4.00	0.926	mg/L		03/13/15 12:58	03/16/15 15:24	10
Acenaphthylene	0.959	U	4.00	0.959	mg/L		03/13/15 12:58	03/16/15 15:24	10
Anthracene	1.01	U	4.00	1.01	mg/L		03/13/15 12:58	03/16/15 15:24	10
Benzidine	22.2	U	40.0	22.2	mg/L		03/13/15 12:58	03/16/15 15:24	10
Benzo[a]anthracene	0.996	U	4.00	0.996	mg/L		03/13/15 12:58	03/16/15 15:24	10
Benzo[a]pyrene	1.08	U	4.00	1.08	mg/L		03/13/15 12:58	03/16/15 15:24	10
Benzo[b]fluoranthene	1.10	U	4.00	1.10	mg/L		03/13/15 12:58	03/16/15 15:24	10
Benzo[g,h,i]perylene	1.15	U	4.00	1.15	mg/L		03/13/15 12:58	03/16/15 15:24	10
Benzo[k]fluoranthene	1.17	U	4.00	1.17	mg/L		03/13/15 12:58	03/16/15 15:24	10
Benzyl alcohol	0.599	U	4.00	0.599	mg/L		03/13/15 12:58	03/16/15 15:24	10
Bis(2-chloroethoxy)methane	1.01	U	4.00	1.01	mg/L		03/13/15 12:58	03/16/15 15:24	10
Bis(2-chloroethyl)ether	0.922	U	4.00	0.922	mg/L		03/13/15 12:58	03/16/15 15:24	10
bis (2-Chloroisopropyl) ether	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 15:24	10
Bis(2-ethylhexyl) phthalate	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 15:24	10
4-Bromophenyl phenyl ether	1.10	U	4.00	1.10	mg/L		03/13/15 12:58	03/16/15 15:24	10
Butyl benzyl phthalate	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 15:24	10
Carbazole	1.11	U	4.00	1.11	mg/L		03/13/15 12:58	03/16/15 15:24	10
4-Chloroaniline	1.12	U	4.00	1.12	mg/L		03/13/15 12:58	03/16/15 15:24	10
4-Chloro-3-methylphenol	1.01	U	4.00	1.01	mg/L		03/13/15 12:58	03/16/15 15:24	10
2-Chloronaphthalene	0.892	U	4.00	0.892	mg/L		03/13/15 12:58	03/16/15 15:24	10
2-Chlorophenol	0.897	U	4.00	0.897	mg/L		03/13/15 12:58	03/16/15 15:24	10
4-Chlorophenyl phenyl ether	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 15:24	10
Chrysene	1.02	U	4.00	1.02	mg/L		03/13/15 12:58	03/16/15 15:24	10
Dibenz(a,h)anthracene	1.14	U	4.00	1.14	mg/L		03/13/15 12:58	03/16/15 15:24	10
Dibenzofuran	0.922	U	4.00	0.922	mg/L		03/13/15 12:58	03/16/15 15:24	10
1,2-Dichlorobenzene	0.743	U	4.00	0.743	mg/L		03/13/15 12:58	03/16/15 15:24	10
1,3-Dichlorobenzene	0.766	U	4.00	0.766	mg/L		03/13/15 12:58	03/16/15 15:24	10
1,4-Dichlorobenzene	0.712	U	4.00	0.712	mg/L		03/13/15 12:58	03/16/15 15:24	10
3,3'-Dichlorobenzidine	1.55	U	8.00	1.55	mg/L		03/13/15 12:58	03/16/15 15:24	10
2,4-Dichlorophenol	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 15:24	10
Diethyl phthalate	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 15:24	10
2,4-Dimethylphenol	0.927	U	4.00	0.927	mg/L		03/13/15 12:58	03/16/15 15:24	10
Dimethyl phthalate	1.02	U	4.00	1.02	mg/L		03/13/15 12:58	03/16/15 15:24	10
Di-n-butyl phthalate	1.02	U	4.00	1.02	mg/L		03/13/15 12:58	03/16/15 15:24	10
4,6-Dinitro-2-methylphenol	1.90	U	20.0	1.90	mg/L		03/13/15 12:58	03/16/15 15:24	10
2,4-Dinitrophenol	1.42	U	20.0	1.42	mg/L		03/13/15 12:58	03/16/15 15:24	10
2,4-Dinitrotoluene	1.05	U	4.00	1.05	mg/L		03/13/15 12:58	03/16/15 15:24	10

Preliminary Data

Client Sample ID: RO2 Acid

Lab Sample ID: 600-107928-13

Date Collected: 03/10/15 14:35

Matrix: Water

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 15:24	10
Di-n-octyl phthalate	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 15:24	10
Fluoranthene	1.05	U	4.00	1.05	mg/L		03/13/15 12:58	03/16/15 15:24	10
Fluorene	0.915	U	4.00	0.915	mg/L		03/13/15 12:58	03/16/15 15:24	10
Hexachlorobenzene	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 15:24	10
Hexachlorobutadiene	0.846	U	4.00	0.846	mg/L		03/13/15 12:58	03/16/15 15:24	10
Hexachlorocyclopentadiene	0.417	U	4.00	0.417	mg/L		03/13/15 12:58	03/16/15 15:24	10
Hexachloroethane	0.878	U	4.00	0.878	mg/L		03/13/15 12:58	03/16/15 15:24	10
Indeno[1,2,3-cd]pyrene	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 15:24	10
Isophorone	1.06	U	4.00	1.06	mg/L		03/13/15 12:58	03/16/15 15:24	10
2-Methylnaphthalene	1.21	U	4.00	1.21	mg/L		03/13/15 12:58	03/16/15 15:24	10
2-Methylphenol	0.724	U	4.00	0.724	mg/L		03/13/15 12:58	03/16/15 15:24	10
3 & 4 Methylphenol	0.752	U	8.00	0.752	mg/L		03/13/15 12:58	03/16/15 15:24	10
Naphthalene	1.14	U	4.00	1.14	mg/L		03/13/15 12:58	03/16/15 15:24	10
2-Nitroaniline	0.980	U	20.0	0.980	mg/L		03/13/15 12:58	03/16/15 15:24	10
3-Nitroaniline	0.379	U	20.0	0.379	mg/L		03/13/15 12:58	03/16/15 15:24	10
4-Nitroaniline	0.918	U	20.0	0.918	mg/L		03/13/15 12:58	03/16/15 15:24	10
Nitrobenzene	0.993	U	4.00	0.993	mg/L		03/13/15 12:58	03/16/15 15:24	10
2-Nitrophenol	1.06	U	4.00	1.06	mg/L		03/13/15 12:58	03/16/15 15:24	10
4-Nitrophenol	0.604	U	20.0	0.604	mg/L		03/13/15 12:58	03/16/15 15:24	10
N-Nitrosodimethylamine	0.772	U	4.00	0.772	mg/L		03/13/15 12:58	03/16/15 15:24	10
N-Nitrosodi-n-propylamine	1.15	U	4.00	1.15	mg/L		03/13/15 12:58	03/16/15 15:24	10
N-Nitrosodiphenylamine	1.09	U	4.00	1.09	mg/L		03/13/15 12:58	03/16/15 15:24	10
Pentachlorophenol	1.85	U	20.0	1.85	mg/L		03/13/15 12:58	03/16/15 15:24	10
Phenanthrene	0.316	U	4.00	0.316	mg/L		03/13/15 12:58	03/16/15 15:24	10
Phenol	0.396	U	4.00	0.396	mg/L		03/13/15 12:58	03/16/15 15:24	10
Pyrene	0.960	U	4.00	0.960	mg/L		03/13/15 12:58	03/16/15 15:24	10
1,2,4-Trichlorobenzene	0.903	U	4.00	0.903	mg/L		03/13/15 12:58	03/16/15 15:24	10
2,4,5-Trichlorophenol	1.09	U	4.00	1.09	mg/L		03/13/15 12:58	03/16/15 15:24	10
2,4,6-Trichlorophenol	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 15:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*41 - 130*	*03/13/15 12:58*	*03/16/15 15:24*	*10*
2-Fluorophenol	*37*		*10 - 130*	*03/13/15 12:58*	*03/16/15 15:24*	*10*
Nitrobenzene-d5	*90*		*35 - 130*	*03/13/15 12:58*	*03/16/15 15:24*	*10*
Phenol-d5 (Surr)	*21*		*10 - 130*	*03/13/15 12:58*	*03/16/15 15:24*	*10*
Terphenyl-d14	*112*		*43 - 130*	*03/13/15 12:58*	*03/16/15 15:24*	*10*
2,4,6-Tribromophenol	*27*		*12 - 138*	*03/13/15 12:58*	*03/16/15 15:24*	*10*

Client Sample ID: 5013T Base CN 19

Lab Sample ID: 600-107928-14

Date Collected: 03/10/15 14:45

Matrix: Water

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	2.32	U	10.0	2.32	mg/L		03/13/15 12:58	03/16/15 15:57	10
Acenaphthylene	2.40	U	10.0	2.40	mg/L		03/13/15 12:58	03/16/15 15:57	10
Anthracene	2.53	U	10.0	2.53	mg/L		03/13/15 12:58	03/16/15 15:57	10
Benzidine	55.4	U	100	55.4	mg/L		03/13/15 12:58	03/16/15 15:57	10
Benzo[a]anthracene	2.49	U	10.0	2.49	mg/L		03/13/15 12:58	03/16/15 15:57	10

Preliminary Data

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 5013T Base CN 19
Date Collected: 03/10/15 14:45
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	2.69	U	10.0	2.69	mg/L		03/13/15 12:58	03/16/15 15:57	10
Benzo[b]fluoranthene	2.76	U	10.0	2.76	mg/L		03/13/15 12:58	03/16/15 15:57	10
Benzo[g,h,i]perylene	2.86	U	10.0	2.86	mg/L		03/13/15 12:58	03/16/15 15:57	10
Benzo[k]fluoranthene	2.93	U	10.0	2.93	mg/L		03/13/15 12:58	03/16/15 15:57	10
Benzyl alcohol	1.50	U	10.0	1.50	mg/L		03/13/15 12:58	03/16/15 15:57	10
Bis(2-chloroethoxy)methane	2.52	U	10.0	2.52	mg/L		03/13/15 12:58	03/16/15 15:57	10
Bis(2-chloroethyl)ether	2.31	U	10.0	2.31	mg/L		03/13/15 12:58	03/16/15 15:57	10
bis (2-Chloroisopropyl) ether	2.56	U	10.0	2.56	mg/L		03/13/15 12:58	03/16/15 15:57	10
Bis(2-ethylhexyl) phthalate	2.51	U	10.0	2.51	mg/L		03/13/15 12:58	03/16/15 15:57	10
4-Bromophenyl phenyl ether	2.74	U	10.0	2.74	mg/L		03/13/15 12:58	03/16/15 15:57	10
Butyl benzyl phthalate	2.57	U	10.0	2.57	mg/L		03/13/15 12:58	03/16/15 15:57	10
Carbazole	2.77	U	10.0	2.77	mg/L		03/13/15 12:58	03/16/15 15:57	10
4-Chloroaniline	2.80	U	10.0	2.80	mg/L		03/13/15 12:58	03/16/15 15:57	10
4-Chloro-3-methylphenol	2.52	U	10.0	2.52	mg/L		03/13/15 12:58	03/16/15 15:57	10
2-Chloronaphthalene	2.23	U	10.0	2.23	mg/L		03/13/15 12:58	03/16/15 15:57	10
2-Chlorophenol	2.24	U	10.0	2.24	mg/L		03/13/15 12:58	03/16/15 15:57	10
4-Chlorophenyl phenyl ether	2.51	U	10.0	2.51	mg/L		03/13/15 12:58	03/16/15 15:57	10
Chrysene	2.54	U	10.0	2.54	mg/L		03/13/15 12:58	03/16/15 15:57	10
Dibenz(a,h)anthracene	2.85	U	10.0	2.85	mg/L		03/13/15 12:58	03/16/15 15:57	10
Dibenzofuran	2.31	U	10.0	2.31	mg/L		03/13/15 12:58	03/16/15 15:57	10
1,2-Dichlorobenzene	1.86	U	10.0	1.86	mg/L		03/13/15 12:58	03/16/15 15:57	10
1,3-Dichlorobenzene	1.92	U	10.0	1.92	mg/L		03/13/15 12:58	03/16/15 15:57	10
1,4-Dichlorobenzene	1.78	U	10.0	1.78	mg/L		03/13/15 12:58	03/16/15 15:57	10
3,3'-Dichlorobenzidine	3.87	U	20.0	3.87	mg/L		03/13/15 12:58	03/16/15 15:57	10
2,4-Dichlorophenol	2.60	U	10.0	2.60	mg/L		03/13/15 12:58	03/16/15 15:57	10
Diethyl phthalate	2.58	U	10.0	2.58	mg/L		03/13/15 12:58	03/16/15 15:57	10
Dimethyl phthalate	2.54	U	10.0	2.54	mg/L		03/13/15 12:58	03/16/15 15:57	10
Di-n-butyl phthalate	2.55	U	10.0	2.55	mg/L		03/13/15 12:58	03/16/15 15:57	10
4,6-Dinitro-2-methylphenol	4.75	U	50.0	4.75	mg/L		03/13/15 12:58	03/16/15 15:57	10
2,4-Dinitrophenol	3.55	U	50.0	3.55	mg/L		03/13/15 12:58	03/16/15 15:57	10
2,4-Dinitrotoluene	2.63	U	10.0	2.63	mg/L		03/13/15 12:58	03/16/15 15:57	10
2,6-Dinitrotoluene	2.50	U	10.0	2.50	mg/L		03/13/15 12:58	03/16/15 15:57	10
Di-n-octyl phthalate	2.50	U	10.0	2.50	mg/L		03/13/15 12:58	03/16/15 15:57	10
Fluoranthene	2.62	U	10.0	2.62	mg/L		03/13/15 12:58	03/16/15 15:57	10
Fluorene	2.29	U	10.0	2.29	mg/L		03/13/15 12:58	03/16/15 15:57	10
Hexachlorobenzene	2.59	U	10.0	2.59	mg/L		03/13/15 12:58	03/16/15 15:57	10
Hexachlorobutadiene	2.12	U	10.0	2.12	mg/L		03/13/15 12:58	03/16/15 15:57	10
Hexachlorocyclopentadiene	1.04	U	10.0	1.04	mg/L		03/13/15 12:58	03/16/15 15:57	10
Hexachloroethane	2.20	U	10.0	2.20	mg/L		03/13/15 12:58	03/16/15 15:57	10
Indeno[1,2,3-cd]pyrene	2.57	U	10.0	2.57	mg/L		03/13/15 12:58	03/16/15 15:57	10
Isophorone	2.65	U	10.0	2.65	mg/L		03/13/15 12:58	03/16/15 15:57	10
2-Methylnaphthalene	3.02	U	10.0	3.02	mg/L		03/13/15 12:58	03/16/15 15:57	10
Naphthalene	2.85	U	10.0	2.85	mg/L		03/13/15 12:58	03/16/15 15:57	10
2-Nitroaniline	2.45	U	50.0	2.45	mg/L		03/13/15 12:58	03/16/15 15:57	10
3-Nitroaniline	0.947	U	50.0	0.947	mg/L		03/13/15 12:58	03/16/15 15:57	10
4-Nitroaniline	2.30	U	50.0	2.30	mg/L		03/13/15 12:58	03/16/15 15:57	10
Nitrobenzene	2.48	U	10.0	2.48	mg/L		03/13/15 12:58	03/16/15 15:57	10
2-Nitrophenol	2.65	U	10.0	2.65	mg/L		03/13/15 12:58	03/16/15 15:57	10
4-Nitrophenol	1.51	U	50.0	1.51	mg/L		03/13/15 12:58	03/16/15 15:57	10

Preliminary Data

Client Sample ID: 5013T Base CN 19

Lab Sample ID: 600-107928-14

Date Collected: 03/10/15 14:45

Matrix: Water

Date Received: 03/10/15 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	1.93	U	10.0	1.93	mg/L		03/13/15 12:58	03/16/15 15:57	10
N-Nitrosodi-n-propylamine	2.88	U	10.0	2.88	mg/L		03/13/15 12:58	03/16/15 15:57	10
N-Nitrosodiphenylamine	2.73	U	10.0	2.73	mg/L		03/13/15 12:58	03/16/15 15:57	10
Pentachlorophenol	4.62	U	50.0	4.62	mg/L		03/13/15 12:58	03/16/15 15:57	10
Phenanthrene	0.790	U	10.0	0.790	mg/L		03/13/15 12:58	03/16/15 15:57	10
Phenol	**78.7**		10.0	0.991	mg/L		03/13/15 12:58	03/16/15 15:57	10
Pyrene	2.40	U	10.0	2.40	mg/L		03/13/15 12:58	03/16/15 15:57	10
1,2,4-Trichlorobenzene	2.26	U	10.0	2.26	mg/L		03/13/15 12:58	03/16/15 15:57	10
2,4,5-Trichlorophenol	2.71	U	10.0	2.71	mg/L		03/13/15 12:58	03/16/15 15:57	10
2,4,6-Trichlorophenol	2.59	U	10.0	2.59	mg/L		03/13/15 12:58	03/16/15 15:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*118*		*41 - 130*	*03/13/15 12:58*	*03/16/15 15:57*	*10*
2-Fluorophenol	*53*		*10 - 130*	*03/13/15 12:58*	*03/16/15 15:57*	*10*
Nitrobenzene-d5	*118*		*35 - 130*	*03/13/15 12:58*	*03/16/15 15:57*	*10*
Phenol-d5 (Surr)	*33*		*10 - 130*	*03/13/15 12:58*	*03/16/15 15:57*	*10*
Terphenyl-d14	*112*		*43 - 130*	*03/13/15 12:58*	*03/16/15 15:57*	*10*
2,4,6-Tribromophenol	*56*		*12 - 138*	*03/13/15 12:58*	*03/16/15 15:57*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	**132**		50.0	11.6	mg/L		03/13/15 12:58	03/17/15 10:23	50
2-Methylphenol	**285**		50.0	9.05	mg/L		03/13/15 12:58	03/17/15 10:23	50
3 & 4 Methylphenol	**224**		100	9.40	mg/L		03/13/15 12:58	03/17/15 10:23	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*X*	*41 - 130*	*03/13/15 12:58*	*03/17/15 10:23*	*50*
2-Fluorophenol	*0*	*X*	*10 - 130*	*03/13/15 12:58*	*03/17/15 10:23*	*50*
Nitrobenzene-d5	*0*	*X*	*35 - 130*	*03/13/15 12:58*	*03/17/15 10:23*	*50*
Phenol-d5 (Surr)	*0*	*X*	*10 - 130*	*03/13/15 12:58*	*03/17/15 10:23*	*50*
Terphenyl-d14	*0*	*X*	*43 - 130*	*03/13/15 12:58*	*03/17/15 10:23*	*50*
2,4,6-Tribromophenol	*0*	*X*	*12 - 138*	*03/13/15 12:58*	*03/17/15 10:23*	*50*

Preliminary Data

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
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)

Preliminary Data

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)

Preliminary Data

Surrogate Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(50-130)	(68-140)	(57-140)	(61-130)
600-107928-1	4048M-NL2	99	108	102	124
600-107928-2	4047M-Acid 6	93	95	98	116
600-107928-2 - DL	4047M-Acid 6	89	97	88	112
600-107928-3	4046M-Acid 7	86	100	98	116
600-107928-4	2020T-Acid 14	109	104	107	118
600-107928-5	PT6 Acid	92	92	101	104
600-107928-6	RO2 Acid	92	96	94	110
600-107928-7	5013T Base CN 19	91	0 X	100	121
LCS 600-158002/1-A	Lab Control Sample	86	95	91	109
LCSD 600-158002/2-A	Lab Control Sample Dup	88	93	92	104
MB 600-158002/3-A	Method Blank	86	93	87	106

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(41-130)	(10-130)	(35-130)	(10-130)	(43-130)	(12-138)
600-107928-8	4048M-NL2	86	20	114	15	57	0 X
600-107928-9	4047M-Acid 6	98	28	118	23	94	0 X
600-107928-10	4046M-Acid 7	0 X	0 X	0 X	0 X	0 X	0 X
600-107928-11	2020T-Acid 14	91	49	113	32	80	18
600-107928-12	PT6 Acid	91	42	108	25	108	0 X
600-107928-13	RO2 Acid	77	37	90	21	112	27
600-107928-14	5013T Base CN 19	118	53	118	33	112	56
600-107928-14 - DL	5013T Base CN 19	0 X	0 X	0 X	0 X	0 X	0 X
LCS 600-157920/2-A	Lab Control Sample	81	70	99	54	93	92
MB 600-157920/1-A	Method Blank	83	74	102	56	93	78

Surrogate Legend

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

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(70-130)
600-107928-1	4048M-NL2	124

Preliminary Data

Surrogate Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**OTPH (70-130)**							
600-107928-2 - DL	4047M-Acid 6	123							
600-107928-3 - DL2	4046M-Acid 7	107							
600-107928-3 - DL	4046M-Acid 7	0 X							
600-107928-4	2020T-Acid 14	120							
600-107928-5	PT6 Acid	114							
600-107928-6	RO2 Acid	118							
600-107928-7	5013T Base CN 19	117							
LCS 600-157795/2-A	Lab Control Sample	82							
LCS 600-158029/2-A	Lab Control Sample	109							
LCSD 600-157795/3-A	Lab Control Sample Dup	84							
LCSD 600-158029/3-A	Lab Control Sample Dup	114							
MB 600-157795/1-A	Method Blank	83							
MB 600-158029/1-A	Method Blank	110							

Surrogate Legend

OTPH = o-Terphenyl

Preliminary Data

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

Lab Sample ID: MB 600-158002/3-A
Matrix: Waste
Analysis Batch: 157996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158002

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.208	U	1.25	0.208	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Benzene	0.0788	U	0.625	0.0788	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Chlorobromomethane	0.223	U	0.625	0.223	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Bromoform	0.171	U	0.625	0.171	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Bromomethane	0.104	U	1.25	0.104	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
2-Butanone (MEK)	0.238	U	1.25	0.238	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Carbon disulfide	0.0688	U	1.25	0.0688	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Carbon tetrachloride	0.141	U	0.625	0.141	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Dibromochloromethane	0.118	U	0.625	0.118	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Chlorobenzene	0.120	U	0.625	0.120	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Chloroethane	0.175	U	1.25	0.175	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Chloroform	0.0825	U	0.625	0.0825	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Chloromethane	0.208	U	1.25	0.208	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,1-Dichloroethane	0.109	U	0.625	0.109	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,2-Dichloroethane	0.113	U	0.625	0.113	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,1-Dichloroethene	0.153	U	0.625	0.153	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
cis-1,2-Dichloroethene	0.104	U	0.625	0.104	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
trans-1,2-Dichloroethene	0.143	U	0.625	0.143	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,2-Dichloropropane	0.0888	U	0.625	0.0888	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
cis-1,3-Dichloropropene	0.0675	U	0.625	0.0675	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
trans-1,3-Dichloropropene	0.0725	U	0.625	0.0725	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Ethylbenzene	0.128	U	0.625	0.128	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
2-Hexanone	0.126	U	1.25	0.126	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Methylene Chloride	0.274	U	1.25	0.274	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
4-Methyl-2-pentanone (MIBK)	0.184	U	1.25	0.184	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Styrene	0.0888	U	0.625	0.0888	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,1,2,2-Tetrachloroethane	0.109	U	0.625	0.109	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Tetrachloroethene	0.0888	U	0.625	0.0888	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Toluene	0.173	U	0.625	0.173	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,1,1-Trichloroethane	0.0925	U	0.625	0.0925	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,1,2-Trichloroethane	0.0913	U	5.00	0.0913	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Trichloroethene	0.175	U	0.625	0.175	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Vinyl acetate	0.116	U	1.25	0.116	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Vinyl chloride	0.113	U	1.25	0.113	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
o-Xylene	0.141	U	0.625	0.141	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
m-Xylene & p-Xylene	0.190	U	0.625	0.190	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Xylenes, Total	0.141	U	0.625	0.141	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Bromodichloromethane	0.0825	U	0.625	0.0825	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,2-Dichloroethene, Total	0.238	U	1.25	0.238	mg/Kg		03/16/15 10:00	03/16/15 12:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*50 - 130*	*03/16/15 10:00*	*03/16/15 12:23*	*1*
Dibromofluoromethane	*93*		*68 - 140*	*03/16/15 10:00*	*03/16/15 12:23*	*1*
4-Bromofluorobenzene	*87*		*57 - 140*	*03/16/15 10:00*	*03/16/15 12:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*61 - 130*	*03/16/15 10:00*	*03/16/15 12:23*	*1*

Preliminary Data

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

Lab Sample ID: LCS 600-158002/1-A
Matrix: Waste
Analysis Batch: 157996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158002

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	12.5	11.36		mg/Kg		91	13 - 150
Benzene	6.25	5.609		mg/Kg		90	70 - 131
Chlorobromomethane	6.25	6.250		mg/Kg		100	70 - 132
Bromoform	6.25	7.106		mg/Kg		114	43 - 150
Bromomethane	6.25	6.219		mg/Kg		100	37 - 147
2-Butanone (MEK)	12.5	10.77		mg/Kg		86	33 - 150
Carbon disulfide	6.25	6.007		mg/Kg		96	51 - 141
Carbon tetrachloride	6.25	8.925	*	mg/Kg		143	58 - 130
Dibromochloromethane	6.25	6.750		mg/Kg		108	65 - 134
Chlorobenzene	6.25	5.774		mg/Kg		92	63 - 131
Chloroethane	6.25	6.122		mg/Kg		98	40 - 150
Chloroform	6.25	6.917		mg/Kg		111	69 - 130
Chloromethane	6.25	4.758		mg/Kg		76	44 - 141
1,1-Dichloroethane	6.25	6.544		mg/Kg		105	63 - 140
1,2-Dichloroethane	6.25	7.664		mg/Kg		123	58 - 137
1,1-Dichloroethene	6.25	6.175		mg/Kg		99	62 - 142
cis-1,2-Dichloroethene	6.25	6.018		mg/Kg		96	70 - 130
trans-1,2-Dichloroethene	6.25	6.742		mg/Kg		108	69 - 130
1,2-Dichloropropane	6.25	5.500		mg/Kg		88	70 - 130
cis-1,3-Dichloropropene	6.25	5.946		mg/Kg		95	65 - 130
trans-1,3-Dichloropropene	6.25	6.714		mg/Kg		107	70 - 130
Ethylbenzene	6.25	5.948		mg/Kg		95	66 - 130
2-Hexanone	12.5	11.05		mg/Kg		88	35 - 150
Methylene Chloride	6.25	6.299		mg/Kg		101	61 - 150
4-Methyl-2-pentanone (MIBK)	12.5	11.21		mg/Kg		90	21 - 150
Styrene	6.25	5.946		mg/Kg		95	65 - 133
1,1,2,2-Tetrachloroethane	6.25	5.557		mg/Kg		89	61 - 138
Tetrachloroethene	6.25	6.098		mg/Kg		98	43 - 143
Toluene	6.25	5.697		mg/Kg		91	67 - 130
1,1,1-Trichloroethane	6.25	8.050		mg/Kg		129	59 - 130
1,1,2-Trichloroethane	6.25	5.752		mg/Kg		92	67 - 134
Trichloroethene	6.25	6.105		mg/Kg		98	63 - 135
Vinyl acetate	12.5	11.86		mg/Kg		95	40 - 150
Vinyl chloride	6.25	5.299		mg/Kg		85	40 - 148
o-Xylene	6.25	5.854		mg/Kg		94	62 - 130
m-Xylene & p-Xylene	6.25	6.131		mg/Kg		98	64 - 130
Xylenes, Total	12.5	11.99		mg/Kg		96	63 - 130
Bromodichloromethane	6.25	6.790		mg/Kg		109	67 - 138
1,2-Dichloroethene, Total	12.5	12.76		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*86*		*50 - 130*
Dibromofluoromethane	*95*		*68 - 140*
4-Bromofluorobenzene	*91*		*57 - 140*
1,2-Dichloroethane-d4 (Surr)	*109*		*61 - 130*

Preliminary Data

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

Lab Sample ID: LCSD 600-158002/2-A
Matrix: Waste
Analysis Batch: 157996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 158002

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	12.5	10.58		mg/Kg		85	13 - 150	7	30
Benzene	6.25	5.583		mg/Kg		89	70 - 131	0	30
Chlorobromomethane	6.25	6.006		mg/Kg		96	70 - 132	4	30
Bromoform	6.25	6.941		mg/Kg		111	43 - 150	2	30
Bromomethane	6.25	6.766		mg/Kg		108	37 - 147	8	30
2-Butanone (MEK)	12.5	8.400		mg/Kg		67	33 - 150	25	30
Carbon disulfide	6.25	6.096		mg/Kg		98	51 - 141	1	30
Carbon tetrachloride	6.25	8.871	*	mg/Kg		142	58 - 130	1	30
Dibromochloromethane	6.25	6.982		mg/Kg		112	65 - 134	3	30
Chlorobenzene	6.25	5.891		mg/Kg		94	63 - 131	2	30
Chloroethane	6.25	6.324		mg/Kg		101	40 - 150	3	30
Chloroform	6.25	7.075		mg/Kg		113	69 - 130	2	30
Chloromethane	6.25	4.845		mg/Kg		78	44 - 141	2	30
1,1-Dichloroethane	6.25	6.656		mg/Kg		107	63 - 140	2	30
1,2-Dichloroethane	6.25	7.466		mg/Kg		119	58 - 137	3	30
1,1-Dichloroethene	6.25	6.510		mg/Kg		104	62 - 142	5	30
cis-1,2-Dichloroethene	6.25	6.064		mg/Kg		97	70 - 130	1	30
trans-1,2-Dichloroethene	6.25	6.904		mg/Kg		110	69 - 130	2	30
1,2-Dichloropropane	6.25	5.491		mg/Kg		88	70 - 130	0	30
cis-1,3-Dichloropropene	6.25	6.057		mg/Kg		97	65 - 130	2	30
trans-1,3-Dichloropropene	6.25	6.770		mg/Kg		108	70 - 130	1	30
Ethylbenzene	6.25	6.030		mg/Kg		96	66 - 130	1	30
2-Hexanone	12.5	11.31		mg/Kg		90	35 - 150	2	30
Methylene Chloride	6.25	6.522		mg/Kg		104	61 - 150	3	30
4-Methyl-2-pentanone (MIBK)	12.5	10.79		mg/Kg		86	21 - 150	4	30
Styrene	6.25	6.032		mg/Kg		97	65 - 133	1	30
1,1,2,2-Tetrachloroethane	6.25	5.547		mg/Kg		89	61 - 138	0	30
Tetrachloroethene	6.25	6.226		mg/Kg		100	43 - 143	2	30
Toluene	6.25	5.766		mg/Kg		92	67 - 130	1	30
1,1,1-Trichloroethane	6.25	8.192	*	mg/Kg		131	59 - 130	2	30
1,1,2-Trichloroethane	6.25	5.791		mg/Kg		93	67 - 134	1	30
Trichloroethene	6.25	6.100		mg/Kg		98	63 - 135	0	30
Vinyl acetate	12.5	11.86		mg/Kg		95	40 - 150	0	30
Vinyl chloride	6.25	5.557		mg/Kg		89	40 - 148	5	30
o-Xylene	6.25	5.848		mg/Kg		94	62 - 130	0	30
m-Xylene & p-Xylene	6.25	6.175		mg/Kg		99	64 - 130	1	30
Xylenes, Total	12.5	12.02		mg/Kg		96	63 - 130	0	30
Bromodichloromethane	6.25	6.954		mg/Kg		111	67 - 138	2	30
1,2-Dichloroethene, Total	12.5	12.97		mg/Kg		104	70 - 130	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*88*		*50 - 130*
Dibromofluoromethane	*93*		*68 - 140*
4-Bromofluorobenzene	*92*		*57 - 140*
1,2-Dichloroethane-d4 (Surr)	*104*		*61 - 130*

Preliminary Data

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

Lab Sample ID: MB 600-157920/1-A
Matrix: Water
Analysis Batch: 157980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 157920

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.00232	U	0.0100	0.00232	mg/L		03/13/15 12:58	03/16/15 09:54	1
Acenaphthylene	0.00240	U	0.0100	0.00240	mg/L		03/13/15 12:58	03/16/15 09:54	1
Anthracene	0.00253	U	0.0100	0.00253	mg/L		03/13/15 12:58	03/16/15 09:54	1
Benzidine	0.0554	U	0.100	0.0554	mg/L		03/13/15 12:58	03/16/15 09:54	1
Benzo[a]anthracene	0.00249	U	0.0100	0.00249	mg/L		03/13/15 12:58	03/16/15 09:54	1
Benzo[a]pyrene	0.00269	U	0.0100	0.00269	mg/L		03/13/15 12:58	03/16/15 09:54	1
Benzo[b]fluoranthene	0.00276	U	0.0100	0.00276	mg/L		03/13/15 12:58	03/16/15 09:54	1
Benzo[g,h,i]perylene	0.00286	U	0.0100	0.00286	mg/L		03/13/15 12:58	03/16/15 09:54	1
Benzo[k]fluoranthene	0.00293	U	0.0100	0.00293	mg/L		03/13/15 12:58	03/16/15 09:54	1
Benzyl alcohol	0.00150	U	0.0100	0.00150	mg/L		03/13/15 12:58	03/16/15 09:54	1
Bis(2-chloroethoxy)methane	0.00252	U	0.0100	0.00252	mg/L		03/13/15 12:58	03/16/15 09:54	1
Bis(2-chloroethyl)ether	0.00231	U	0.0100	0.00231	mg/L		03/13/15 12:58	03/16/15 09:54	1
bis (2-Chloroisopropyl) ether	0.00256	U	0.0100	0.00256	mg/L		03/13/15 12:58	03/16/15 09:54	1
Bis(2-ethylhexyl) phthalate	0.00251	U	0.0100	0.00251	mg/L		03/13/15 12:58	03/16/15 09:54	1
4-Bromophenyl phenyl ether	0.00274	U	0.0100	0.00274	mg/L		03/13/15 12:58	03/16/15 09:54	1
Butyl benzyl phthalate	0.00257	U	0.0100	0.00257	mg/L		03/13/15 12:58	03/16/15 09:54	1
Carbazole	0.00277	U	0.0100	0.00277	mg/L		03/13/15 12:58	03/16/15 09:54	1
4-Chloroaniline	0.00280	U	0.0100	0.00280	mg/L		03/13/15 12:58	03/16/15 09:54	1
4-Chloro-3-methylphenol	0.00252	U	0.0100	0.00252	mg/L		03/13/15 12:58	03/16/15 09:54	1
2-Chloronaphthalene	0.00223	U	0.0100	0.00223	mg/L		03/13/15 12:58	03/16/15 09:54	1
2-Chlorophenol	0.00224	U	0.0100	0.00224	mg/L		03/13/15 12:58	03/16/15 09:54	1
4-Chlorophenyl phenyl ether	0.00251	U	0.0100	0.00251	mg/L		03/13/15 12:58	03/16/15 09:54	1
Chrysene	0.00254	U	0.0100	0.00254	mg/L		03/13/15 12:58	03/16/15 09:54	1
Dibenz(a,h)anthracene	0.00285	U	0.0100	0.00285	mg/L		03/13/15 12:58	03/16/15 09:54	1
Dibenzofuran	0.00231	U	0.0100	0.00231	mg/L		03/13/15 12:58	03/16/15 09:54	1
1,2-Dichlorobenzene	0.00186	U	0.0100	0.00186	mg/L		03/13/15 12:58	03/16/15 09:54	1
1,3-Dichlorobenzene	0.00192	U	0.0100	0.00192	mg/L		03/13/15 12:58	03/16/15 09:54	1
1,4-Dichlorobenzene	0.00178	U	0.0100	0.00178	mg/L		03/13/15 12:58	03/16/15 09:54	1
3,3'-Dichlorobenzidine	0.00387	U	0.0200	0.00387	mg/L		03/13/15 12:58	03/16/15 09:54	1
2,4-Dichlorophenol	0.00260	U	0.0100	0.00260	mg/L		03/13/15 12:58	03/16/15 09:54	1
Diethyl phthalate	0.00258	U	0.0100	0.00258	mg/L		03/13/15 12:58	03/16/15 09:54	1
2,4-Dimethylphenol	0.00232	U	0.0100	0.00232	mg/L		03/13/15 12:58	03/16/15 09:54	1
Dimethyl phthalate	0.00254	U	0.0100	0.00254	mg/L		03/13/15 12:58	03/16/15 09:54	1
Di-n-butyl phthalate	0.00255	U	0.0100	0.00255	mg/L		03/13/15 12:58	03/16/15 09:54	1
4,6-Dinitro-2-methylphenol	0.00475	U	0.0500	0.00475	mg/L		03/13/15 12:58	03/16/15 09:54	1
2,4-Dinitrophenol	0.00355	U	0.0500	0.00355	mg/L		03/13/15 12:58	03/16/15 09:54	1
2,4-Dinitrotoluene	0.00263	U	0.0100	0.00263	mg/L		03/13/15 12:58	03/16/15 09:54	1
2,6-Dinitrotoluene	0.00250	U	0.0100	0.00250	mg/L		03/13/15 12:58	03/16/15 09:54	1
Di-n-octyl phthalate	0.00250	U	0.0100	0.00250	mg/L		03/13/15 12:58	03/16/15 09:54	1
Fluoranthene	0.00262	U	0.0100	0.00262	mg/L		03/13/15 12:58	03/16/15 09:54	1
Fluorene	0.00229	U	0.0100	0.00229	mg/L		03/13/15 12:58	03/16/15 09:54	1
Hexachlorobenzene	0.00259	U	0.0100	0.00259	mg/L		03/13/15 12:58	03/16/15 09:54	1
Hexachlorobutadiene	0.00212	U	0.0100	0.00212	mg/L		03/13/15 12:58	03/16/15 09:54	1
Hexachlorocyclopentadiene	0.00104	U	0.0100	0.00104	mg/L		03/13/15 12:58	03/16/15 09:54	1
Hexachloroethane	0.00220	U	0.0100	0.00220	mg/L		03/13/15 12:58	03/16/15 09:54	1
Indeno[1,2,3-cd]pyrene	0.00257	U	0.0100	0.00257	mg/L		03/13/15 12:58	03/16/15 09:54	1
Isophorone	0.00265	U	0.0100	0.00265	mg/L		03/13/15 12:58	03/16/15 09:54	1
2-Methylnaphthalene	0.00302	U	0.0100	0.00302	mg/L		03/13/15 12:58	03/16/15 09:54	1

Preliminary Data

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

Lab Sample ID: MB 600-157920/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 157980 — **Prep Batch: 157920**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	0.00181	U	0.0100	0.00181	mg/L		03/13/15 12:58	03/16/15 09:54	1
3 & 4 Methylphenol	0.00188	U	0.0200	0.00188	mg/L		03/13/15 12:58	03/16/15 09:54	1
Naphthalene	0.00285	U	0.0100	0.00285	mg/L		03/13/15 12:58	03/16/15 09:54	1
2-Nitroaniline	0.00245	U	0.0500	0.00245	mg/L		03/13/15 12:58	03/16/15 09:54	1
3-Nitroaniline	0.000947	U	0.0500	0.000947	mg/L		03/13/15 12:58	03/16/15 09:54	1
4-Nitroaniline	0.00230	U	0.0500	0.00230	mg/L		03/13/15 12:58	03/16/15 09:54	1
Nitrobenzene	0.00248	U	0.0100	0.00248	mg/L		03/13/15 12:58	03/16/15 09:54	1
2-Nitrophenol	0.00265	U	0.0100	0.00265	mg/L		03/13/15 12:58	03/16/15 09:54	1
4-Nitrophenol	0.00151	U	0.0500	0.00151	mg/L		03/13/15 12:58	03/16/15 09:54	1
N-Nitrosodimethylamine	0.00193	U	0.0100	0.00193	mg/L		03/13/15 12:58	03/16/15 09:54	1
N-Nitrosodi-n-propylamine	0.00288	U	0.0100	0.00288	mg/L		03/13/15 12:58	03/16/15 09:54	1
N-Nitrosodiphenylamine	0.00273	U	0.0100	0.00273	mg/L		03/13/15 12:58	03/16/15 09:54	1
Pentachlorophenol	0.00462	U	0.0500	0.00462	mg/L		03/13/15 12:58	03/16/15 09:54	1
Phenanthrene	0.000790	U	0.0100	0.000790	mg/L		03/13/15 12:58	03/16/15 09:54	1
Phenol	0.000991	U	0.0100	0.000991	mg/L		03/13/15 12:58	03/16/15 09:54	1
Pyrene	0.00240	U	0.0100	0.00240	mg/L		03/13/15 12:58	03/16/15 09:54	1
1,2,4-Trichlorobenzene	0.00226	U	0.0100	0.00226	mg/L		03/13/15 12:58	03/16/15 09:54	1
2,4,5-Trichlorophenol	0.00271	U	0.0100	0.00271	mg/L		03/13/15 12:58	03/16/15 09:54	1
2,4,6-Trichlorophenol	0.00259	U	0.0100	0.00259	mg/L		03/13/15 12:58	03/16/15 09:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*41 - 130*	*03/13/15 12:58*	*03/16/15 09:54*	*1*
2-Fluorophenol	*74*		*10 - 130*	*03/13/15 12:58*	*03/16/15 09:54*	*1*
Nitrobenzene-d5	*102*		*35 - 130*	*03/13/15 12:58*	*03/16/15 09:54*	*1*
Phenol-d5 (Surr)	*56*		*10 - 130*	*03/13/15 12:58*	*03/16/15 09:54*	*1*
Terphenyl-d14	*93*		*43 - 130*	*03/13/15 12:58*	*03/16/15 09:54*	*1*
2,4,6-Tribromophenol	*78*		*12 - 138*	*03/13/15 12:58*	*03/16/15 09:54*	*1*

Lab Sample ID: LCS 600-157920/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 157980 — **Prep Batch: 157920**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0500	0.04248		mg/L		85	60 - 130
Acenaphthylene	0.0500	0.04226		mg/L		85	50 - 130
Anthracene	0.0500	0.04476		mg/L		90	65 - 130
Benzidine	0.100	0.0554	U	mg/L		49	10 - 150
Benzo[a]anthracene	0.0500	0.04544		mg/L		91	64 - 130
Benzo[a]pyrene	0.0500	0.04947		mg/L		99	10 - 130
Benzo[b]fluoranthene	0.0500	0.05128		mg/L		103	10 - 130
Benzo[g,h,i]perylene	0.0500	0.05447		mg/L		109	10 - 130
Benzo[k]fluoranthene	0.0500	0.05240		mg/L		105	10 - 130
Benzyl alcohol	0.0500	0.04419		mg/L		88	25 - 130
Bis(2-chloroethoxy)methane	0.0500	0.05138		mg/L		103	44 - 130
Bis(2-chloroethyl)ether	0.0500	0.05044		mg/L		101	50 - 130
bis (2-Chloroisopropyl) ether	0.0500	0.06110		mg/L		122	40 - 136
Bis(2-ethylhexyl) phthalate	0.0500	0.04577		mg/L		92	52 - 133
4-Bromophenyl phenyl ether	0.0500	0.04564		mg/L		91	64 - 130

Preliminary Data

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

Lab Sample ID: LCS 600-157920/2-A
Matrix: Water
Analysis Batch: 157980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 157920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Butyl benzyl phthalate	0.0500	0.04598		mg/L		92	53 - 132
Carbazole	0.0500	0.04566		mg/L		91	48 - 138
4-Chloroaniline	0.0500	0.04633		mg/L		93	32 - 130
4-Chloro-3-methylphenol	0.0500	0.04449		mg/L		89	58 - 130
2-Chloronaphthalene	0.0500	0.04090		mg/L		82	60 - 130
2-Chlorophenol	0.0500	0.04232		mg/L		85	52 - 130
4-Chlorophenyl phenyl ether	0.0500	0.04252		mg/L		85	61 - 130
Chrysene	0.0500	0.04458		mg/L		89	63 - 130
Dibenz(a,h)anthracene	0.0500	0.05301		mg/L		106	10 - 130
Dibenzofuran	0.0500	0.04156		mg/L		83	62 - 130
1,2-Dichlorobenzene	0.0500	0.04210		mg/L		84	59 - 130
1,3-Dichlorobenzene	0.0500	0.04180		mg/L		84	58 - 130
1,4-Dichlorobenzene	0.0500	0.04138		mg/L		83	57 - 130
3,3'-Dichlorobenzidine	0.0500	0.04891		mg/L		98	40 - 140
2,4-Dichlorophenol	0.0500	0.04184		mg/L		84	61 - 130
Diethyl phthalate	0.0500	0.04328		mg/L		87	63 - 130
2,4-Dimethylphenol	0.0500	0.04328		mg/L		87	49 - 130
Dimethyl phthalate	0.0500	0.04302		mg/L		86	63 - 130
Di-n-butyl phthalate	0.0500	0.04304		mg/L		86	60 - 130
4,6-Dinitro-2-methylphenol	0.100	0.09253		mg/L		93	57 - 130
2,4-Dinitrophenol	0.100	0.08539		mg/L		85	29 - 132
2,4-Dinitrotoluene	0.0500	0.04339		mg/L		87	60 - 130
2,6-Dinitrotoluene	0.0500	0.04370		mg/L		87	59 - 130
Di-n-octyl phthalate	0.0500	0.04472		mg/L		89	51 - 135
Fluoranthene	0.0500	0.04411		mg/L		88	61 - 130
Fluorene	0.0500	0.04242		mg/L		85	64 - 130
Hexachlorobenzene	0.0500	0.04735		mg/L		95	61 - 130
Hexachlorobutadiene	0.0500	0.03900		mg/L		78	52 - 130
Hexachlorocyclopentadiene	0.0500	0.03383		mg/L		68	18 - 130
Hexachloroethane	0.0500	0.04300		mg/L		86	52 - 130
Indeno[1,2,3-cd]pyrene	0.0500	0.04588		mg/L		92	45 - 130
Isophorone	0.0500	0.05104		mg/L		102	54 - 130
2-Methylnaphthalene	0.0500	0.04243		mg/L		85	62 - 130
2-Methylphenol	0.0500	0.04095		mg/L		82	39 - 130
3 & 4 Methylphenol	0.0500	0.04109		mg/L		82	29 - 130
Naphthalene	0.0500	0.04188		mg/L		84	61 - 130
2-Nitroaniline	0.0500	0.05273		mg/L		105	48 - 134
3-Nitroaniline	0.0500	0.05146		mg/L		103	39 - 130
4-Nitroaniline	0.0500	0.06721		mg/L		134	43 - 141
Nitrobenzene	0.0500	0.04923		mg/L		98	55 - 130
2-Nitrophenol	0.0500	0.04471		mg/L		89	59 - 130
4-Nitrophenol	0.100	0.03633	J	mg/L		36	10 - 140
N-Nitrosodimethylamine	0.0500	0.04804		mg/L		96	10 - 130
N-Nitrosodi-n-propylamine	0.0500	0.05206		mg/L		104	52 - 130
N-Nitrosodiphenylamine	0.100	0.08762		mg/L		88	42 - 136
Pentachlorophenol	0.100	0.07794		mg/L		78	29 - 141
Phenanthrene	0.0500	0.04353		mg/L		87	65 - 130
Phenol	0.0500	0.03013		mg/L		60	10 - 130

Preliminary Data

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

Lab Sample ID: LCS 600-157920/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 157980 — **Prep Batch: 157920**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyrene	0.0500	0.04541		mg/L		91	59 - 130
1,2,4-Trichlorobenzene	0.0500	0.04087		mg/L		82	58 - 130
2,4,5-Trichlorophenol	0.0500	0.04226		mg/L		85	51 - 130
2,4,6-Trichlorophenol	0.0500	0.04083		mg/L		82	49 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*41 - 130*
2-Fluorophenol	*70*		*10 - 130*
Nitrobenzene-d5	*99*		*35 - 130*
Phenol-d5 (Surr)	*54*		*10 - 130*
Terphenyl-d14	*93*		*43 - 130*
2,4,6-Tribromophenol	*92*		*12 - 138*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 600-157795/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 157794 — **Prep Batch: 157795**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.80	U	10.0	3.80	mg/Kg		03/12/15 10:04	03/12/15 11:45	1
>C12-C28	4.06	U	10.0	4.06	mg/Kg		03/12/15 10:04	03/12/15 11:45	1
>C28-C35	4.06	U	10.0	4.06	mg/Kg		03/12/15 10:04	03/12/15 11:45	1
C6-C35	3.80	U	10.0	3.80	mg/Kg		03/12/15 10:04	03/12/15 11:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*70 - 130*	*03/12/15 10:04*	*03/12/15 11:45*	*1*

Lab Sample ID: LCS 600-157795/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 157794 — **Prep Batch: 157795**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	250	239.5		mg/Kg		96	75 - 125
>C12-C28	250	220.8		mg/Kg		88	75 - 125
C6-C35	500	460.3		mg/Kg		92	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*82*		*70 - 130*

Lab Sample ID: LCSD 600-157795/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 157794 — **Prep Batch: 157795**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C12	250	233.2		mg/Kg		93	75 - 125	3	20
>C12-C28	250	223.4		mg/Kg		89	75 - 125	1	20

Preliminary Data

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCSD 600-157795/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 157794 — **Prep Batch: 157795**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C35	500	456.6		mg/Kg		91	75 - 125	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*84*		*70 - 130*

Lab Sample ID: MB 600-158029/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158019 — **Prep Batch: 158029**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.80	U	10.0	3.80	mg/Kg		03/16/15 11:59	03/16/15 13:16	1
>C12-C28	4.06	U	10.0	4.06	mg/Kg		03/16/15 11:59	03/16/15 13:16	1
>C28-C35	4.06	U	10.0	4.06	mg/Kg		03/16/15 11:59	03/16/15 13:16	1
C6-C35	3.80	U	10.0	3.80	mg/Kg		03/16/15 11:59	03/16/15 13:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*110*		*70 - 130*	*03/16/15 11:59*	*03/16/15 13:16*	*1*

Lab Sample ID: LCS 600-158029/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158019 — **Prep Batch: 158029**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	250	295.7		mg/Kg		118	75 - 125
>C12-C28	250	277.0		mg/Kg		111	75 - 125
C6-C35	500	572.7		mg/Kg		115	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*109*		*70 - 130*

Lab Sample ID: LCSD 600-158029/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158019 — **Prep Batch: 158029**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C12	250	275.6		mg/Kg		110	75 - 125	7	20
>C12-C28	250	259.5		mg/Kg		104	75 - 125	6	20
C6-C35	500	535.1		mg/Kg		107	75 - 125	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*114*		*70 - 130*

Preliminary Data

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 490-233898/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 233991 — **Prep Batch: 233898**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.893	U	1.98	0.893	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Barium	1.59	U	1.98	1.59	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Cadmium	0.0992	U	0.992	0.0992	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Chromium	0.595	U	0.992	0.595	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Lead	0.496	U	0.992	0.496	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Selenium	0.992	U	1.98	0.992	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Silver	0.496	U	0.992	0.496	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Sodium	99.2	U	198	99.2	mg/Kg		03/16/15 11:10	03/16/15 14:03	1

Lab Sample ID: MB 490-233898/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 234038 — **Prep Batch: 233898**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfur	19.8	U	49.6	19.8	mg/Kg		03/16/15 11:10	03/16/15 22:30	1

Lab Sample ID: LCS 490-233898/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 233991 — **Prep Batch: 233898**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	19.7	18.60		mg/Kg		95	80 - 120
Barium	787	793.3		mg/Kg		101	80 - 120
Cadmium	19.7	18.90		mg/Kg		96	80 - 120
Chromium	78.7	81.67		mg/Kg		104	80 - 120
Lead	19.7	20.14		mg/Kg		102	80 - 120
Selenium	19.7	18.41		mg/Kg		94	80 - 120
Silver	19.7	16.95		mg/Kg		86	80 - 120
Sodium	1970	1876		mg/Kg		95	80 - 120

Lab Sample ID: LCS 490-233898/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 234038 — **Prep Batch: 233898**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfur	394	347.8		mg/Kg		88	80 - 120

Lab Sample ID: LCSD 490-233898/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 233991 — **Prep Batch: 233898**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	19.7	17.97		mg/Kg		91	80 - 120	3	20
Barium	787	789.2		mg/Kg		100	80 - 120	1	20
Cadmium	19.7	18.80		mg/Kg		96	80 - 120	1	20
Chromium	78.7	81.36		mg/Kg		103	80 - 120	0	20
Lead	19.7	19.80		mg/Kg		101	80 - 120	2	20
Selenium	19.7	18.86		mg/Kg		96	80 - 120	2	20
Silver	19.7	16.97		mg/Kg		86	80 - 120	0	20

Preliminary Data

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

Lab Sample ID: LCSD 490-233898/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 233991 — **Prep Batch: 233898**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sodium	1970	1860		mg/Kg		94	80 - 120	1	20

Lab Sample ID: LCSD 490-233898/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 234038 — **Prep Batch: 233898**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfur	394	344.7		mg/Kg		88	80 - 120	1	20

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

Lab Sample ID: MB 600-158067/1 — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>186		1.00	1.00	Degrees F			03/16/15 07:50	1

Lab Sample ID: LCS 600-158067/2 — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	82.00		Degrees F		101	96.9 - 103.1 09

Lab Sample ID: 600-107928-5 DU — **Client Sample ID: PT6 Acid**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158067

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Flashpoint	>186		>186		Degrees F		NC	20

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 600-158018/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158181 — **Prep Batch: 158018**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	0.0855	U	0.250	0.0855	mg/Kg		03/16/15 07:30	03/17/15 16:28	1

Lab Sample ID: LCS 600-158018/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158181 — **Prep Batch: 158018**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	145.8		mg/Kg		15	0 - 200

Preliminary Data

Method: 9012 - Cyanide, Reactive (Continued)

Lab Sample ID: 600-107928-5 MS — **Client Sample ID: PT6 Acid**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158181 — **Prep Batch: 158018**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Reactive	0.0847	U	996	91.53		mg/Kg		9	0 - 200		

Lab Sample ID: 600-107928-5 DU — **Client Sample ID: PT6 Acid**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158181 — **Prep Batch: 158018**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Reactive	0.0847	U		0.0848	U	mg/Kg				NC	20

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

Lab Sample ID: MB 600-158018/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158177 — **Prep Batch: 158018**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	14.0	U	50.0	14.0	mg/Kg		03/16/15 07:30	03/17/15 16:30	1

Lab Sample ID: LCS 600-158018/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158177 — **Prep Batch: 158018**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide, Reactive			1000	190.0		mg/Kg		19	0 - 200		

Lab Sample ID: 600-107928-5 MS — **Client Sample ID: PT6 Acid**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158177 — **Prep Batch: 158018**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide, Reactive	19.8	J	994	129.1		mg/Kg		11	0 - 200		

Lab Sample ID: 600-107928-5 DU — **Client Sample ID: PT6 Acid**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158177 — **Prep Batch: 158018**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfide, Reactive	19.8	J		19.84	J	mg/Kg				0.2	20

Method: 9040B - pH

Lab Sample ID: LCS 600-158068/1 — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 158068

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.00	6.990		SU		100	99 - 101		

Preliminary Data

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 9056 - Total Halogens(Bomb Calorimeter followed by IC)

Lab Sample ID: MB 400-250088/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 250164 — **Prep Batch: 250088**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Halogens	195	U	195	195	mg/Kg		03/16/15 11:34	03/17/15 13:48	1
Chloride	195	U	195	195	mg/Kg		03/16/15 11:34	03/17/15 13:48	1
Fluoride	38.9	U	38.9	38.9	mg/Kg		03/16/15 11:34	03/17/15 13:48	1
Bromide	195	U	195	195	mg/Kg		03/16/15 11:34	03/17/15 13:48	1

Lab Sample ID: LCS 400-250088/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 250164 — **Prep Batch: 250088**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Halogens	2900	2300		mg/Kg		79	60 - 140
Chloride	968	885.5		mg/Kg		91	60 - 140
Fluoride	968	675.4		mg/Kg		70	60 - 140
Bromide	968	738.7		mg/Kg		76	60 - 140

Lab Sample ID: 600-107928-1 MS — **Client Sample ID: 4048M-NL2**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 250164 — **Prep Batch: 250088**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Halogens	1220	F1	321	634.2	F1	mg/Kg		-183	60 - 140
Chloride	1220		107	634.2	4	mg/Kg		-550	60 - 140
Fluoride	21.1	U F1	107	21.4	U F1	mg/Kg		0	60 - 140
Bromide	105	U	107	107	U	mg/Kg		NC	60 - 140

Lab Sample ID: 600-107928-1 MSD — **Client Sample ID: 4048M-NL2**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 250164 — **Prep Batch: 250088**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Halogens	1220	F1	314	762.1	F1	mg/Kg		-146	60 - 140	18	30
Chloride	1220		105	762.1	4	mg/Kg		-440	60 - 140	18	30
Fluoride	21.1	U F1	105	20.9	U F1	mg/Kg		0	60 - 140	NC	30
Bromide	105	U	105	105	U	mg/Kg		NC	60 - 140	NC	30

Preliminary Data

QC Association Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

GC/MS VOA

Analysis Batch: 157996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	8260B	158002
600-107928-2	4047M-Acid 6	Total/NA	Waste	8260B	158002
600-107928-2 - DL	4047M-Acid 6	Total/NA	Waste	8260B	158002
600-107928-3	4046M-Acid 7	Total/NA	Waste	8260B	158002
600-107928-4	2020T-Acid 14	Total/NA	Waste	8260B	158002
600-107928-5	PT6 Acid	Total/NA	Waste	8260B	158002
600-107928-6	RO2 Acid	Total/NA	Waste	8260B	158002
600-107928-7	5013T Base CN 19	Total/NA	Waste	8260B	158002
LCS 600-158002/1-A	Lab Control Sample	Total/NA	Waste	8260B	158002
LCSD 600-158002/2-A	Lab Control Sample Dup	Total/NA	Waste	8260B	158002
MB 600-158002/3-A	Method Blank	Total/NA	Waste	8260B	158002

Prep Batch: 158002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	5030B	
600-107928-2 - DL	4047M-Acid 6	Total/NA	Waste	5030B	
600-107928-2	4047M-Acid 6	Total/NA	Waste	5030B	
600-107928-3	4046M-Acid 7	Total/NA	Waste	5030B	
600-107928-4	2020T-Acid 14	Total/NA	Waste	5030B	
600-107928-5	PT6 Acid	Total/NA	Waste	5030B	
600-107928-6	RO2 Acid	Total/NA	Waste	5030B	
600-107928-7	5013T Base CN 19	Total/NA	Waste	5030B	
LCS 600-158002/1-A	Lab Control Sample	Total/NA	Waste	5030B	
LCSD 600-158002/2-A	Lab Control Sample Dup	Total/NA	Waste	5030B	
MB 600-158002/3-A	Method Blank	Total/NA	Waste	5030B	

GC/MS Semi VOA

Prep Batch: 157920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-8	4048M-NL2	Total/NA	Water	3510C	
600-107928-9	4047M-Acid 6	Total/NA	Water	3510C	
600-107928-10	4046M-Acid 7	Total/NA	Water	3510C	
600-107928-11	2020T-Acid 14	Total/NA	Water	3510C	
600-107928-12	PT6 Acid	Total/NA	Water	3510C	
600-107928-13	RO2 Acid	Total/NA	Water	3510C	
600-107928-14	5013T Base CN 19	Total/NA	Water	3510C	
600-107928-14 - DL	5013T Base CN 19	Total/NA	Water	3510C	
LCS 600-157920/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 600-157920/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 157980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-8	4048M-NL2	Total/NA	Water	8270C	157920
600-107928-9	4047M-Acid 6	Total/NA	Water	8270C	157920
600-107928-10	4046M-Acid 7	Total/NA	Water	8270C	157920
600-107928-11	2020T-Acid 14	Total/NA	Water	8270C	157920
600-107928-12	PT6 Acid	Total/NA	Water	8270C	157920
600-107928-13	RO2 Acid	Total/NA	Water	8270C	157920
600-107928-14	5013T Base CN 19	Total/NA	Water	8270C	157920

Preliminary Data

GC/MS Semi VOA (Continued)

Analysis Batch: 157980 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 600-157920/2-A	Lab Control Sample	Total/NA	Water	8270C	157920
MB 600-157920/1-A	Method Blank	Total/NA	Water	8270C	157920

Analysis Batch: 158080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-14 - DL	5013T Base CN 19	Total/NA	Water	8270C	157920

GC Semi VOA

Analysis Batch: 157794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-2 - DL	4047M-Acid 6	Total/NA	Waste	TX 1005	157795
600-107928-3 - DL	4046M-Acid 7	Total/NA	Waste	TX 1005	157795
600-107928-3 - DL2	4046M-Acid 7	Total/NA	Waste	TX 1005	157795
LCS 600-157795/2-A	Lab Control Sample	Total/NA	Waste	TX 1005	157795
LCSD 600-157795/3-A	Lab Control Sample Dup	Total/NA	Waste	TX 1005	157795
MB 600-157795/1-A	Method Blank	Total/NA	Waste	TX 1005	157795

Prep Batch: 157795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-2 - DL	4047M-Acid 6	Total/NA	Waste	TX_1005_S_Prep	
600-107928-3 - DL2	4046M-Acid 7	Total/NA	Waste	TX_1005_S_Prep	
600-107928-3 - DL	4046M-Acid 7	Total/NA	Waste	TX_1005_S_Prep	
LCS 600-157795/2-A	Lab Control Sample	Total/NA	Waste	TX_1005_S_Prep	
LCSD 600-157795/3-A	Lab Control Sample Dup	Total/NA	Waste	TX_1005_S_Prep	
MB 600-157795/1-A	Method Blank	Total/NA	Waste	TX_1005_S_Prep	

Analysis Batch: 158019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	TX 1005	158029
600-107928-4	2020T-Acid 14	Total/NA	Waste	TX 1005	158029
600-107928-5	PT6 Acid	Total/NA	Waste	TX 1005	158029
600-107928-6	RO2 Acid	Total/NA	Waste	TX 1005	158029
600-107928-7	5013T Base CN 19	Total/NA	Waste	TX 1005	158029
LCS 600-158029/2-A	Lab Control Sample	Total/NA	Waste	TX 1005	158029
LCSD 600-158029/3-A	Lab Control Sample Dup	Total/NA	Waste	TX 1005	158029
MB 600-158029/1-A	Method Blank	Total/NA	Waste	TX 1005	158029

Prep Batch: 158029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	TX_1005_S_Prep	
600-107928-4	2020T-Acid 14	Total/NA	Waste	TX_1005_S_Prep	
600-107928-5	PT6 Acid	Total/NA	Waste	TX_1005_S_Prep	

Preliminary Data

GC Semi VOA (Continued)

Prep Batch: 158029 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-6	RO2 Acid	Total/NA	Waste	TX_1005_S_Prep	
600-107928-7	5013T Base CN 19	Total/NA	Waste	TX_1005_S_Prep	
LCS 600-158029/2-A	Lab Control Sample	Total/NA	Waste	TX_1005_S_Prep	
LCSD 600-158029/3-A	Lab Control Sample Dup	Total/NA	Waste	TX_1005_S_Prep	
MB 600-158029/1-A	Method Blank	Total/NA	Waste	TX_1005_S_Prep	

Metals

Prep Batch: 233898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	3051A	
600-107928-2	4047M-Acid 6	Total/NA	Waste	3051A	
600-107928-3	4046M-Acid 7	Total/NA	Waste	3051A	
600-107928-4	2020T-Acid 14	Total/NA	Waste	3051A	
600-107928-5	PT6 Acid	Total/NA	Waste	3051A	
600-107928-6	RO2 Acid	Total/NA	Waste	3051A	
600-107928-7	5013T Base CN 19	Total/NA	Waste	3051A	
LCS 490-233898/2-A	Lab Control Sample	Total/NA	Waste	3051A	
LCSD 490-233898/3-A	Lab Control Sample Dup	Total/NA	Waste	3051A	
MB 490-233898/1-A	Method Blank	Total/NA	Waste	3051A	

Analysis Batch: 233991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	6010B	233898
600-107928-2	4047M-Acid 6	Total/NA	Waste	6010B	233898
600-107928-3	4046M-Acid 7	Total/NA	Waste	6010B	233898
600-107928-4	2020T-Acid 14	Total/NA	Waste	6010B	233898
600-107928-5	PT6 Acid	Total/NA	Waste	6010B	233898
600-107928-6	RO2 Acid	Total/NA	Waste	6010B	233898
600-107928-7	5013T Base CN 19	Total/NA	Waste	6010B	233898
LCS 490-233898/2-A	Lab Control Sample	Total/NA	Waste	6010B	233898
LCSD 490-233898/3-A	Lab Control Sample Dup	Total/NA	Waste	6010B	233898
MB 490-233898/1-A	Method Blank	Total/NA	Waste	6010B	233898

Analysis Batch: 234038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	6010B	233898
600-107928-2	4047M-Acid 6	Total/NA	Waste	6010B	233898
600-107928-3	4046M-Acid 7	Total/NA	Waste	6010B	233898
600-107928-4	2020T-Acid 14	Total/NA	Waste	6010B	233898
600-107928-5	PT6 Acid	Total/NA	Waste	6010B	233898
600-107928-6	RO2 Acid	Total/NA	Waste	6010B	233898
600-107928-7	5013T Base CN 19	Total/NA	Waste	6010B	233898
LCS 490-233898/2-A	Lab Control Sample	Total/NA	Waste	6010B	233898
LCSD 490-233898/3-A	Lab Control Sample Dup	Total/NA	Waste	6010B	233898
MB 490-233898/1-A	Method Blank	Total/NA	Waste	6010B	233898

Preliminary Data

QC Association Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

General Chemistry

Analysis Batch: 113932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	D1796	
600-107928-2	4047M-Acid 6	Total/NA	Waste	D1796	
600-107928-3	4046M-Acid 7	Total/NA	Waste	D1796	
600-107928-4	2020T-Acid 14	Total/NA	Waste	D1796	
600-107928-5	PT6 Acid	Total/NA	Waste	D1796	
600-107928-6	RO2 Acid	Total/NA	Waste	D1796	
600-107928-7	5013T Base CN 19	Total/NA	Waste	D1796	

Prep Batch: 158018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	7.3.4	
600-107928-2	4047M-Acid 6	Total/NA	Waste	7.3.4	
600-107928-3	4046M-Acid 7	Total/NA	Waste	7.3.4	
600-107928-4	2020T-Acid 14	Total/NA	Waste	7.3.4	
600-107928-5	PT6 Acid	Total/NA	Waste	7.3.4	
600-107928-5 DU	PT6 Acid	Total/NA	Waste	7.3.4	
600-107928-5 MS	PT6 Acid	Total/NA	Waste	7.3.4	
600-107928-5 MS	PT6 Acid	Total/NA	Waste	7.3.4	
600-107928-6	RO2 Acid	Total/NA	Waste	7.3.4	
600-107928-7	5013T Base CN 19	Total/NA	Waste	7.3.4	
LCS 600-158018/2-A	Lab Control Sample	Total/NA	Waste	7.3.4	
LCS 600-158018/3-A	Lab Control Sample	Total/NA	Waste	7.3.4	
MB 600-158018/1-A	Method Blank	Total/NA	Waste	7.3.4	

Analysis Batch: 158067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	1010	
600-107928-2	4047M-Acid 6	Total/NA	Waste	1010	
600-107928-3	4046M-Acid 7	Total/NA	Waste	1010	
600-107928-4	2020T-Acid 14	Total/NA	Waste	1010	
600-107928-5	PT6 Acid	Total/NA	Waste	1010	
600-107928-5 DU	PT6 Acid	Total/NA	Waste	1010	
600-107928-6	RO2 Acid	Total/NA	Waste	1010	
600-107928-7	5013T Base CN 19	Total/NA	Waste	1010	
LCS 600-158067/2	Lab Control Sample	Total/NA	Waste	1010	
MB 600-158067/1	Method Blank	Total/NA	Waste	1010	

Analysis Batch: 158068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	9040B	
600-107928-2	4047M-Acid 6	Total/NA	Waste	9040B	
600-107928-3	4046M-Acid 7	Total/NA	Waste	9040B	
600-107928-4	2020T-Acid 14	Total/NA	Waste	9040B	
600-107928-5	PT6 Acid	Total/NA	Waste	9040B	
600-107928-6	RO2 Acid	Total/NA	Waste	9040B	
600-107928-7	5013T Base CN 19	Total/NA	Waste	9040B	
LCS 600-158068/1	Lab Control Sample	Total/NA	Waste	9040B	

Analysis Batch: 158177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	9034	158018

Preliminary Data

General Chemistry (Continued)

Analysis Batch: 158177 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-2	4047M-Acid 6	Total/NA	Waste	9034	158018
600-107928-3	4046M-Acid 7	Total/NA	Waste	9034	158018
600-107928-4	2020T-Acid 14	Total/NA	Waste	9034	158018
600-107928-5	PT6 Acid	Total/NA	Waste	9034	158018
600-107928-5 DU	PT6 Acid	Total/NA	Waste	9034	158018
600-107928-5 MS	PT6 Acid	Total/NA	Waste	9034	158018
600-107928-6	RO2 Acid	Total/NA	Waste	9034	158018
600-107928-7	5013T Base CN 19	Total/NA	Waste	9034	158018
LCS 600-158018/3-A	Lab Control Sample	Total/NA	Waste	9034	158018
MB 600-158018/1-A	Method Blank	Total/NA	Waste	9034	158018

Analysis Batch: 158181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	9012	158018
600-107928-2	4047M-Acid 6	Total/NA	Waste	9012	158018
600-107928-3	4046M-Acid 7	Total/NA	Waste	9012	158018
600-107928-4	2020T-Acid 14	Total/NA	Waste	9012	158018
600-107928-5	PT6 Acid	Total/NA	Waste	9012	158018
600-107928-5 DU	PT6 Acid	Total/NA	Waste	9012	158018
600-107928-5 MS	PT6 Acid	Total/NA	Waste	9012	158018
600-107928-6	RO2 Acid	Total/NA	Waste	9012	158018
600-107928-7	5013T Base CN 19	Total/NA	Waste	9012	158018
LCS 600-158018/2-A	Lab Control Sample	Total/NA	Waste	9012	158018
MB 600-158018/1-A	Method Blank	Total/NA	Waste	9012	158018

Prep Batch: 250088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	5050	
600-107928-1 MS	4048M-NL2	Total/NA	Waste	5050	
600-107928-1 MSD	4048M-NL2	Total/NA	Waste	5050	
600-107928-2	4047M-Acid 6	Total/NA	Waste	5050	
600-107928-3	4046M-Acid 7	Total/NA	Waste	5050	
600-107928-4	2020T-Acid 14	Total/NA	Waste	5050	
600-107928-5	PT6 Acid	Total/NA	Waste	5050	
600-107928-6	RO2 Acid	Total/NA	Waste	5050	
600-107928-7	5013T Base CN 19	Total/NA	Waste	5050	
LCS 400-250088/2-A	Lab Control Sample	Total/NA	Waste	5050	
MB 400-250088/1-A	Method Blank	Total/NA	Waste	5050	

Analysis Batch: 250164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	9056	250088
600-107928-1 MS	4048M-NL2	Total/NA	Waste	9056	250088
600-107928-1 MSD	4048M-NL2	Total/NA	Waste	9056	250088
600-107928-2	4047M-Acid 6	Total/NA	Waste	9056	250088
600-107928-3	4046M-Acid 7	Total/NA	Waste	9056	250088
600-107928-4	2020T-Acid 14	Total/NA	Waste	9056	250088
600-107928-5	PT6 Acid	Total/NA	Waste	9056	250088
600-107928-6	RO2 Acid	Total/NA	Waste	9056	250088
600-107928-7	5013T Base CN 19	Total/NA	Waste	9056	250088
LCS 400-250088/2-A	Lab Control Sample	Total/NA	Waste	9056	250088

Preliminary Data

General Chemistry (Continued)

Analysis Batch: 250164 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-250088/1-A	Method Blank	Total/NA	Waste	9056	250088

Preliminary Data

Client Sample ID: 4048M-NL2

Lab Sample ID: 600-107928-1

Date Collected: 03/10/15 13:45

Matrix: Waste

Date Received: 03/10/15 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 14:48	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			10.00 g	10.00 mL	158029	03/16/15 14:32	NVP	TAL HOU
Total/NA	Analysis	TX 1005		1	10.00 g	10.00 mL	158019	03/17/15 23:41	JPS	TAL HOU
Total/NA	Prep	3051A			0.500 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.500 g	100 mL	233991	03/16/15 14:56	LEG	TAL NSH
Total/NA	Prep	3051A			0.500 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.500 g	100 mL	234038	03/16/15 23:13	LEG	TAL NSH
Total/NA	Analysis	1010		1			158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			9.97 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	9.97 g	250 mL	158181	03/17/15 16:35	BDG	TAL HOU
Total/NA	Prep	7.3.4			9.97 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	9.97 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU
Total/NA	Prep	5050			0.9489 g	100 mL	250088	03/16/15 12:17	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.9489 g	100 mL	250164	03/17/15 14:34	TAJ	TAL PEN
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

Client Sample ID: 4047M-Acid 6

Lab Sample ID: 600-107928-2

Date Collected: 03/10/15 13:55

Matrix: Waste

Date Received: 03/10/15 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 15:12	KLV	TAL HOU
Total/NA	Prep	5030B	DL		1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	5	1 g	10 mL	157996	03/16/15 17:38	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep	DL		01.00 g	10.00 mL	157795	03/12/15 10:04	NVP	TAL HOU
Total/NA	Analysis	TX 1005	DL	10	01.00 g	10.00 mL	157794	03/13/15 01:12	RJV	TAL HOU
Total/NA	Prep	3051A			0.510 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.510 g	100 mL	233991	03/16/15 15:00	LEG	TAL NSH
Total/NA	Prep	3051A			0.510 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.510 g	100 mL	234038	03/16/15 23:18	LEG	TAL NSH
Total/NA	Analysis	1010		1			158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.20 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	10.20 g	250 mL	158181	03/17/15 16:33	BDG	TAL HOU
Total/NA	Prep	7.3.4			10.20 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	10.20 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU
Total/NA	Prep	5050			0.7260 g	100 mL	250088	03/16/15 12:51	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.7260 g	100 mL	250164	03/17/15 15:43	TAJ	TAL PEN
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

Preliminary Data

Lab Chronicle

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4046M-Acid 7

Lab Sample ID: 600-107928-3

Date Collected: 03/10/15 14:05
Matrix: Waste
Date Received: 03/10/15 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 15:37	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep	DL		01.00 g	10.00 mL	157795	03/12/15 10:04	NVP	TAL HOU
Total/NA	Analysis	TX 1005	DL	50	01.00 g	10.00 mL	157794	03/12/15 14:26	RJV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep	DL2		01.00 g	10.00 mL	157795	03/12/15 10:04	NVP	TAL HOU
Total/NA	Analysis	TX 1005	DL2	10	01.00 g	10.00 mL	157794	03/13/15 01:45	RJV	TAL HOU
Total/NA	Prep	3051A			0.511 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.511 g	100 mL	233991	03/16/15 15:04	LEG	TAL NSH
Total/NA	Prep	3051A			0.511 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.511 g	100 mL	234038	03/16/15 23:22	LEG	TAL NSH
Total/NA	Analysis	1010		1			158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.12 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	10.12 g	250 mL	158181	03/17/15 16:32	BDG	TAL HOU
Total/NA	Prep	7.3.4			10.12 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	10.12 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU
Total/NA	Prep	5050			0.6752 g	100 mL	250088	03/16/15 13:12	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.6752 g	100 mL	250164	03/17/15 16:06	TAJ	TAL PEN
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

Client Sample ID: 2020T-Acid 14

Lab Sample ID: 600-107928-4

Date Collected: 03/10/15 14:15
Matrix: Waste
Date Received: 03/10/15 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 16:01	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			10.01 g	10.00 mL	158029	03/16/15 14:32	NVP	TAL HOU
Total/NA	Analysis	TX 1005		1	10.01 g	10.00 mL	158019	03/17/15 00:13	JPS	TAL HOU
Total/NA	Prep	3051A			0.521 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.521 g	100 mL	233991	03/16/15 15:09	LEG	TAL NSH
Total/NA	Prep	3051A			0.521 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.521 g	100 mL	234038	03/16/15 23:27	LEG	TAL NSH
Total/NA	Analysis	1010		1			158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.08 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	10.08 g	250 mL	158181	03/17/15 16:32	BDG	TAL HOU
Total/NA	Prep	7.3.4			10.08 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	10.08 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU
Total/NA	Prep	5050			0.9635 g	100 mL	250088	03/16/15 13:22	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.9635 g	100 mL	250164	03/17/15 16:28	TAJ	TAL PEN
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

Preliminary Data

Lab Chronicle

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: PT6 Acid

Lab Sample ID: 600-107928-5

Date Collected: 03/10/15 14:25
Date Received: 03/10/15 16:47

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 16:25	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			10.00 g	10.00 mL	158029	03/16/15 14:32	NVP	TAL HOU
Total/NA	Analysis	TX 1005		1	10.00 g	10.00 mL	158019	03/17/15 01:17	JPS	TAL HOU
Total/NA	Prep	3051A			0.496 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.496 g	100 mL	233991	03/16/15 15:13	LEG	TAL NSH
Total/NA	Prep	3051A			0.496 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.496 g	100 mL	234038	03/16/15 23:31	LEG	TAL NSH
Total/NA	Analysis	1010		1			158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.10 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	10.10 g	250 mL	158181	03/17/15 16:29	BDG	TAL HOU
Total/NA	Prep	7.3.4			10.10 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	10.10 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU
Total/NA	Prep	5050			0.9528 g	100 mL	250088	03/16/15 13:35	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.9528 g	100 mL	250164	03/17/15 16:51	TAJ	TAL PEN
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

Client Sample ID: RO2 Acid

Lab Sample ID: 600-107928-6

Date Collected: 03/10/15 14:35
Date Received: 03/10/15 16:47

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 16:49	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			10.00 g	10.00 mL	158029	03/16/15 14:32	NVP	TAL HOU
Total/NA	Analysis	TX 1005		1	10.00 g	10.00 mL	158019	03/17/15 01:48	JPS	TAL HOU
Total/NA	Prep	3051A			0.525 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.525 g	100 mL	233991	03/16/15 15:27	LEG	TAL NSH
Total/NA	Prep	3051A			0.525 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.525 g	100 mL	234038	03/16/15 23:36	LEG	TAL NSH
Total/NA	Analysis	1010		1			158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.05 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	10.05 g	250 mL	158181	03/17/15 16:31	BDG	TAL HOU
Total/NA	Prep	7.3.4			10.05 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	10.05 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU
Total/NA	Prep	5050			0.7463 g	100 mL	250088	03/16/15 13:45	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.7463 g	100 mL	250164	03/17/15 17:14	TAJ	TAL PEN
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

Preliminary Data

Client Sample ID: 5013T Base CN 19

Lab Sample ID: 600-107928-7

Date Collected: 03/10/15 14:45
Matrix: Waste
Date Received: 03/10/15 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 17:13	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			10.02 g	10.00 mL	158029	03/16/15 14:32	NVP	TAL HOU
Total/NA	Analysis	TX 1005		1	10.02 g	10.00 mL	158019	03/17/15 02:20	JPS	TAL HOU
Total/NA	Prep	3051A			0.510 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.510 g	100 mL	233991	03/16/15 15:32	LEG	TAL NSH
Total/NA	Prep	3051A			0.510 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.510 g	100 mL	234038	03/16/15 23:40	LEG	TAL NSH
Total/NA	Analysis	1010		1			158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.13 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	10.13 g	250 mL	158181	03/17/15 16:33	BDG	TAL HOU
Total/NA	Prep	7.3.4			10.13 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	10.13 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU
Total/NA	Prep	5050			0.7192 g	100 mL	250088	03/16/15 13:54	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.7192 g	100 mL	250164	03/17/15 18:23	TAJ	TAL PEN
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

Client Sample ID: 4048M-NL2

Lab Sample ID: 600-107928-8

Date Collected: 03/10/15 13:45
Matrix: Water
Date Received: 03/10/15 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			10 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		10	10 mL	1.0 mL	157980	03/16/15 12:39	KP1	TAL HOU

Client Sample ID: 4047M-Acid 6

Lab Sample ID: 600-107928-9

Date Collected: 03/10/15 13:55
Matrix: Water
Date Received: 03/10/15 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			25 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		10	25 mL	1.0 mL	157980	03/16/15 13:12	KP1	TAL HOU

Client Sample ID: 4046M-Acid 7

Lab Sample ID: 600-107928-10

Date Collected: 03/10/15 14:05
Matrix: Water
Date Received: 03/10/15 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			25 mL	2.5 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		20	25 mL	2.5 mL	157980	03/16/15 13:45	KP1	TAL HOU

Preliminary Data

Lab Chronicle

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 2020T-Acid 14

Lab Sample ID: 600-107928-11

Date Collected: 03/10/15 14:15
Matrix: Water
Date Received: 03/10/15 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			10 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		10	10 mL	1.0 mL	157980	03/16/15 14:18	KP1	TAL HOU

Client Sample ID: PT6 Acid

Lab Sample ID: 600-107928-12

Date Collected: 03/10/15 14:25
Matrix: Water
Date Received: 03/10/15 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			25 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		10	25 mL	1.0 mL	157980	03/16/15 14:51	KP1	TAL HOU

Client Sample ID: RO2 Acid

Lab Sample ID: 600-107928-13

Date Collected: 03/10/15 14:35
Matrix: Water
Date Received: 03/10/15 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			25 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		10	25 mL	1.0 mL	157980	03/16/15 15:24	KP1	TAL HOU

Client Sample ID: 5013T Base CN 19

Lab Sample ID: 600-107928-14

Date Collected: 03/10/15 14:45
Matrix: Water
Date Received: 03/10/15 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			10 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		10	10 mL	1.0 mL	157980	03/16/15 15:57	KP1	TAL HOU
Total/NA	Prep	3510C	DL		10 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C	DL	50	10 mL	1.0 mL	158080	03/17/15 10:23	KP1	TAL HOU

Laboratory References:

TAL CC = TestAmerica Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Preliminary Data

Certification Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Laboratory: TestAmerica Houston

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704223	10-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B	5030B	Waste	1,2-Dichloroethene, Total
8270C	3510C	Water	3 & 4 Methylphenol
9012	7.3.4	Waste	Cyanide, Reactive
9034	7.3.4	Waste	Sulfide, Reactive
TX 1005	TX_1005_S_Prep	Waste	>C12-C28
TX 1005	TX_1005_S_Prep	Waste	>C28-C35
TX 1005	TX_1005_S_Prep	Waste	C6-C12

Laboratory: TestAmerica Corpus Christi

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704210	03-31-15

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704077	08-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
6010B	3051A	Waste	Sulfur

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-15
Arizona	State Program	9	AZ0710	01-11-16
Arkansas DEQ	State Program	6	88-0689	09-01-15
Florida	NELAP	4	E81010	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200041	10-09-15
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	03-31-15
Kentucky (UST)	State Program	4	53	06-30-15
Kentucky (WW)	State Program	4	98030	12-31-15
Louisiana	NELAP	6	30976	06-30-15
Maryland	State Program	3	233	09-30-15
Michigan	State Program	5	9912	06-30-15
New Jersey	NELAP	2	FL006	06-30-15
North Carolina (WW/SW)	State Program	4	314	12-31-15
Oklahoma	State Program	6	9810	08-31-15
Pennsylvania	NELAP	3	68-00467	01-31-16
Rhode Island	State Program	1	LAO00307	12-30-15
South Carolina	State Program	4	96026	06-30-15
Tennessee	State Program	4	TN02907	06-30-15

Preliminary Data

Laboratory: TestAmerica Pensacola (Continued)

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704286-12-5	09-30-15
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-15
West Virginia DEP	State Program	3	136	06-30-15

Preliminary Data

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

600-107928 Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Daniel Tighe	Lab PM: Joiner, Dean A	COC No: 600-32414-10868.1 3-10-2015
Client Contact: LeRoy Cassidey	Phone: 469.446.8408	E-Mail: dean.joiner@testamericainc.com	Page: Page 1 of 1
Company: CB&I Federal Services LLC			Job #:
Address: PO BOX 96519	Due Date Requested:		
City: Baton Rouge	TAT Requested (days): 5 WD Level 2		
State, Zip: LA 70884			
Phone: 469-446-8408	PO #: CB&I Federal Services 201241		
Email: leroy.cassidey@CBIFederalServices.com	WO #: Contract EP-S6-07-02 Task Order 62		
Project Name: CB&I Federal Services LLC -- Houston	Project #: *** 60005919		
Site: CES Environmental Services	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total VOA	Total SVOA	Total Metals + Sulphur	RCI	TOX, TPH	Nitrates	Phosphates	TSS, % Water	TCLP VOA	TCLP SVOA	TCLP Metals + Sulphur				Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	N	N	N	N			
4048M-NL2	3/10/15	1345	G	Liquid			X	X	X	X	X	X	X	X								***Copy Job # 103547
4047M-Acid 6	3/10/15	1355	G	Liquid			X	X	X	X	X	X	X	X								
4046M-Acid 7	3/10/15	1405	G	Liquid			X	X	X	X	X	X	X	X								Please pour off 250 ml and preserve with Nitiric Acid
2020T-Acid14	3/10/15	1415	G	Liquid			X	X	X	X	X	X	X	X								Please pour off 250 ml and preserve with Nitiric Acid
PT6 Acid	3/10/15	1425	G	Liquid			X	X	X	X	X	X	X	X								Please pour off 250 ml and preserve with Nitiric Acid
RO2 Acid	3/10/15	1435	G	Liquid			X	X	X	X	X	X	X	X								Please pour off 250 ml and preserve with Nitiric Acid
~~10 Acid OXI~~	~~3/10/15~~		~~G~~	~~Liquid~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~								Please pour off 250 ml and preserve with Nitiric Acid
~~12 Acid OXI~~	~~3/10/15~~		~~G~~	~~Liquid~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~								Please pour off 250 ml and preserve with Nitiric Acid
~~16 Base LIQ~~	~~3/10/15~~		~~G~~	~~Liquid~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~								Please pour off 250 ml and preserve with Nitiric Acid
~~17 Base LIQ~~	~~3/10/15~~		~~G~~	~~Liquid~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~								Please pour off 250 ml and preserve with Nitiric Acid
~~18 Base Solid~~	~~3/10/15~~		~~G~~	~~Solid~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
5013T Base CN 19	3/10/15	1445	G	Liquid			X	X	X	X	X	X	X	X								Please pour off 250 ml and preserve with Nitiric Acid

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Waste Sample for Waste Characterization.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 3.10.15 / 1600	Company	Received by:	Date/Time: 3/10/15 1600	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 3/10/15 1642	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

TestAmerica Houston

Loc: 600
107928

Sample Re klist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Date/Time Received: _____

JOB NUMBER: [illegible] CLIENT: CB&I

UNPACKED BY: [illegible] CARRIER/DRIVER: [illegible]

Custody Seal Present ☑ YES ☐ NO Number of Coolers Received: 3

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Them CF	Corrected Temp (°C)
B/W	Y / N	Y / N	4.1	606	-0.1	4.0
B/W	Y / N	Y / N	4.2	606	-0.1	4.1
B/W	Y / N	Y / N	2.9	606	-0.1	2.8
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor

Samples received on ice? ☑ YES ☐ NO

LABORATORY PRESERVATION OF SAMPLES REQUIRED: ☑ NO ☐ YES

Base samples are>pH 12: ☐ YES ☑ NO Acid preserved are<pH 2. ☐ YES ☑ NO

pH paper Lot #: [illegible]

VOA headspace acceptable (5-6mm): ☐ YES ☐ NO ☑ NA

	YES	NO
Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		

COMMENTS:

3/10/15

Preliminary Data

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107928-1

Login Number: 107928

List Source: TestAmerica Houston

List Number: 1

Creator: Crafton, Tommie S

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.0 4.1 2.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Preliminary Data

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107928-1

Login Number: 107928
List Number: 3
Creator: Contreras, Kristen N

List Source: TestAmerica Corpus Christi
List Creation: 03/13/15 03:49 PM

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

Preliminary Data

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107928-1

Login Number: 107928
List Number: 2
Creator: Armstrong, Daniel

List Source: TestAmerica Nashville
List Creation: 03/13/15 02:00 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-0.4C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Preliminary Data

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107928-1

Login Number: 107928
List Number: 4
Creator: Siddoway, Benjamin

List Source: TestAmerica Pensacola
List Creation: 03/13/15 05:42 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0°C IR-2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Preliminary Data