TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Job ID: 600-107025-1
Client Project/Site: CB&I Federal Services LLC . .– Houston

For:
CB&I Federal Services LLC
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Attn: Leroy Cassidey

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Authorized for release by:
3/4/2015 2:21:17 PM

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

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Job ID: 600-107025-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-107025-1

Comments
No additional comments.

Receipt
The samples were received on 2/19/2015 5:47 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1º C.

Except:

Method(s) 9040B: The following samples cannot be analyzed for pH due to the matrix being an oil:

ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1)

Method(s) SM 2540D: The following samples cannot be analyzed for TSS, due to the TSS method is not compaitable with WASTE matrices:

ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1)

GC/MS VOA
Method(s) 8260B: The following samples were diluted due to the nature of the sample matrix: <Foamer><Non-Target peaks>. Elevated reporting limits (RLs) are provided.

Batch: 113408

Method: 8260B

Sample: 600-107025-1,2

Method(s) 8260B: The following sample was diluted due to the nature of the sample matrix: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Surrogate recovery for the following sample was outside control limits: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). Evidence of matrix interference is present.

Method(s) 8260B: The method blank for batch 600-156863 contained Chloroform above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: SAND-COMP6 (600-107025-3). Elevated reporting limits (RLs) are provided.

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 following sample(s) required a dilution due to the nature of the sample matrix: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). 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: The following sample(s) was diluted due to the nature of the sample matrix: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The laboratory control sample (LCS) for batch 156523 recovered outside control limits for the following analyte: Benzidine. Benzidine has been identified as a poor performing analyte when analyzed using this method; therefore,

Job ID: 600-107025-1 (Continued)

Laboratory: TestAmerica Houston (Continued)

re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: (600-107023-1 MS), (600-107023-1 MSD), SAND-COMP6 (600-107025-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following sample(s) required a dilution due to the nature of the sample matrix: SAND-COMP6 (600-107025-3). 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) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: Surrogate recovery for the following sample(s) was outside control limits: ST5-COMP-021915 (600-107025-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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: SAND-COMP6 (600-107025-3). Elevated reporting limits (RLs) are provided.

Method(s) TX 1005: Surrogate recovery for the following sample(s) was outside control limits: SAND-COMP6 (600-107025-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) TX 1005: The following sample(s) was diluted due to the nature of the sample matrix: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). 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: ST5-COMP-021915 (600-107025-2), ST8-COMP-021915 (600-107025-1). 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.

Metals

Method(s) 6010B: The method blank for batch 156683 contained Chromium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010B: The leachate blank for batch 156591 contained Chromium and Selenium above the method detection limit. These target analytes concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

General Chemistry

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

Organic Prep

Method(s) 3546: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: SAND-COMP6 (600-107025-3). The reporting limits (RLs) are elevated proportionately.

Method(s) 3510C: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: ST5-COMP-021915 (600-107025-2). The reporting limits (RLs) are elevated proportionately.

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

Method Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CC
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
6010B	Metals (ICP)	SW846	TAL HOU
7470A	Mercury (CVAA)	SW846	TAL HOU
7471A	Mercury (CVAA)	SW846	TAL HOU
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL HOU
7.4.4	Reactive Sulfide	EPA	TAL HOU
9012	Cyanide, Reactive	SW846	TAL HOU
9023	Organic Halides, Extractable (EOX)	SW846	TAL CAN
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL HOU
9045C	Corrosivity	SW846	TAL HOU
D1796	Water and Sediment in Fuel Oils	ASTM	TAL CC
D92	Flashpoint	ASTM	TAL HOU

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
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 CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
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

Sample Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-107025-1	ST8-COMP-021915	Waste	02/19/15 12:09	02/20/15 11:28
600-107025-2	ST5-COMP-021915	Waste	02/19/15 12:48	02/20/15 11:28
600-107025-3	SAND-COMP6	Solid	02/19/15 14:35	02/20/15 11:28

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: ST8-COMP-021915

Lab Sample ID: 600-107025-1

Date Collected: 02/19/15 12:09
Matrix: Waste
Date Received: 02/20/15 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.32	U	20.0	3.32	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Benzene	1.26	U	10.0	1.26	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Chlorobromomethane	3.56	U	10.0	3.56	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Bromoform	2.74	U	10.0	2.74	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Bromomethane	1.66	U	20.0	1.66	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
2-Butanone (MEK)	3.80	U	20.0	3.80	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Carbon disulfide	**1.36**	**J**	20.0	1.10	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Carbon tetrachloride	2.26	U	10.0	2.26	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Dibromochloromethane	1.88	U	10.0	1.88	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Chlorobenzene	**33.1**		10.0	1.92	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Chloroethane	2.80	U	20.0	2.80	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Chloroform	1.32	U	10.0	1.32	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Chloromethane	3.32	U	20.0	3.32	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
1,1-Dichloroethane	1.74	U	10.0	1.74	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
1,2-Dichloroethane	1.80	U	10.0	1.80	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
1,1-Dichloroethene	2.44	U	10.0	2.44	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
cis-1,2-Dichloroethene	1.66	U	10.0	1.66	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
trans-1,2-Dichloroethene	2.28	U	10.0	2.28	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
1,2-Dichloropropane	1.42	U	10.0	1.42	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
cis-1,3-Dichloropropene	1.08	U	10.0	1.08	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
trans-1,3-Dichloropropene	1.16	U	10.0	1.16	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Ethylbenzene	**34.3**		10.0	2.04	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
2-Hexanone	2.02	U	20.0	2.02	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Methylene Chloride	4.38	U	20.0	4.38	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
4-Methyl-2-pentanone (MIBK)	2.94	U	20.0	2.94	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Styrene	1.42	U	10.0	1.42	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
1,1,2,2-Tetrachloroethane	1.74	U	10.0	1.74	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Tetrachloroethene	1.42	U	10.0	1.42	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Toluene	**127**		10.0	2.76	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
1,1,1-Trichloroethane	1.48	U	10.0	1.48	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
1,1,2-Trichloroethane	1.46	U	80.0	1.46	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Trichloroethene	2.80	U	10.0	2.80	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Vinyl acetate	1.86	U	20.0	1.86	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Vinyl chloride	1.80	U	20.0	1.80	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
o-Xylene	**58.4**		10.0	2.26	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
m-Xylene & p-Xylene	**350**		10.0	3.04	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Xylenes, Total	**408**		10.0	2.26	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
Bromodichloromethane	1.32	U	10.0	1.32	mg/Kg		02/23/15 17:00	02/24/15 15:05	4
1,2-Dichloroethene, Total	3.80	U	20.0	3.80	mg/Kg		02/23/15 17:00	02/24/15 15:05	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*199*	*X*	*50 - 130*	*02/23/15 17:00*	*02/24/15 15:05*	*4*
Dibromofluoromethane	*87*		*68 - 140*	*02/23/15 17:00*	*02/24/15 15:05*	*4*
4-Bromofluorobenzene	*108*		*57 - 140*	*02/23/15 17:00*	*02/24/15 15:05*	*4*
1,2-Dichloroethane-d4 (Surr)	*98*		*61 - 130*	*02/23/15 17:00*	*02/24/15 15:05*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0165	U	0.500	0.0165	mg/L			03/03/15 13:23	50
Carbon tetrachloride	0.0126	U	0.250	0.0126	mg/L			03/03/15 13:23	50

Client Sample ID: ST8-COMP-021915

Lab Sample ID: 600-107025-1

Date Collected: 02/19/15 12:09

Matrix: Waste

Date Received: 02/20/15 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**0.104**	**J**	0.250	0.00680	mg/L			03/03/15 13:23	50
Chloroform	0.0100	U	0.250	0.0100	mg/L			03/03/15 13:23	50
1,2-Dichloroethane	0.00800	U	0.250	0.00800	mg/L			03/03/15 13:23	50
1,1-Dichloroethene	0.0150	U	0.250	0.0150	mg/L			03/03/15 13:23	50
2-Butanone (MEK)	0.0500	U	1.00	0.0500	mg/L			03/03/15 13:23	50
Tetrachloroethene	0.00945	U	0.250	0.00945	mg/L			03/03/15 13:23	50
Trichloroethene	0.0159	U	0.250	0.0159	mg/L			03/03/15 13:23	50
Vinyl chloride	0.0150	U	0.250	0.0150	mg/L			03/03/15 13:23	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*03/03/15 13:23*	*50*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/03/15 13:23*	*50*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*03/03/15 13:23*	*50*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*03/03/15 13:23*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	562	U	980	562	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Acenaphthylene	572	U	980	572	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Anthracene	616	U	980	616	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Benzidine	2450	U	9800	2450	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Benzo[a]anthracene	616	U	980	616	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Benzo[b]fluoranthene	57.4	U	980	57.4	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Benzo[k]fluoranthene	87.4	U	980	87.4	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Benzo[g,h,i]perylene	521	U	980	521	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Benzo[a]pyrene	550	U	980	550	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Bis(2-chloroethoxy)methane	553	U	980	553	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Bis(2-chloroethyl)ether	98.0	U	980	98.0	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Bis(2-ethylhexyl) phthalate	594	U	980	594	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
4-Bromophenyl phenyl ether	594	U	980	594	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Butyl benzyl phthalate	596	U	980	596	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
4-Chloroaniline	196	U	980	196	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
2-Chloronaphthalene	638	U	980	638	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
4-Chlorophenyl phenyl ether	589	U	980	589	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Carbazole	605	U	980	605	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Chrysene	599	U	980	599	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Di-n-butyl phthalate	633	U	980	633	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Dibenz(a,h)anthracene	564	U	980	564	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Dibenzofuran	584	U	980	584	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
1,2-Dichlorobenzene	78.1	U	980	78.1	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
1,3-Dichlorobenzene	529	U	980	529	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
1,4-Dichlorobenzene	68.5	U	980	68.5	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
3,3'-Dichlorobenzidine	189	U	1960	189	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Diethyl phthalate	606	U	980	606	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Dimethyl phthalate	593	U	980	593	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
2,4-Dinitrotoluene	97.8	U	980	97.8	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
2,6-Dinitrotoluene	623	U	980	623	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Di-n-octyl phthalate	634	U	980	634	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Fluoranthene	626	U	980	626	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Fluorene	604	U	980	604	mg/Kg		02/24/15 10:46	02/24/15 13:45	10

Client Sample ID: ST8-COMP-021915

Lab Sample ID: 600-107025-1

Date Collected: 02/19/15 12:09

Matrix: Waste

Date Received: 02/20/15 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	618	U	980	618	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Hexachlorocyclopentadiene	66.1	U	980	66.1	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Hexachloroethane	88.8	U	980	88.8	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Hexachlorobutadiene	101	U	980	101	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Indeno[1,2,3-cd]pyrene	538	U	980	538	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Isophorone	576	U	980	576	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
2-Methylnaphthalene	562	U	980	562	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Naphthalene	57.3	U	980	57.3	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
2-Nitroaniline	578	U	4750	578	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
3-Nitroaniline	629	U	4750	629	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
4-Nitroaniline	536	U	4750	536	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Nitrobenzene	141	U	980	141	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
N-Nitrosodimethylamine	284	U	980	284	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
N-Nitrosodiphenylamine	93.7	U	980	93.7	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
N-Nitrosodi-n-propylamine	84.9	U	980	84.9	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Phenanthrene	603	U	980	603	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Pyrene	656	U	980	656	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
1,2,4-Trichlorobenzene	626	U	980	626	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Benzyl alcohol	185	U	980	185	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
4-Chloro-3-methylphenol	570	U	980	570	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
2-Chlorophenol	69.2	U	980	69.2	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
2-Methylphenol	112	U	980	112	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
3 & 4 Methylphenol	89.3	U	1960	89.3	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
2,4-Dichlorophenol	543	U	980	543	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
2,4-Dimethylphenol	189	U	980	189	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
4,6-Dinitro-2-methylphenol	614	U	4750	614	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
2,4-Dinitrophenol	380	U	4750	380	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
2-Nitrophenol	534	U	980	534	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
4-Nitrophenol	534	U	4750	534	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Pentachlorophenol	65.7	U	4750	65.7	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
Phenol	111	U	980	111	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
2,4,5-Trichlorophenol	184	U	980	184	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
2,4,6-Trichlorophenol	535	U	980	535	mg/Kg		02/24/15 10:46	02/24/15 13:45	10
bis (2-Chloroisopropyl) ether	103	U	980	103	mg/Kg		02/24/15 10:46	02/24/15 13:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*0*	*X*	*46 - 130*	*02/24/15 10:46*	*02/24/15 13:45*	*10*
2-Fluorophenol	*0*	*X*	*45 - 130*	*02/24/15 10:46*	*02/24/15 13:45*	*10*
2-Fluorobiphenyl	*0*	*X*	*42 - 130*	*02/24/15 10:46*	*02/24/15 13:45*	*10*
2,4,6-Tribromophenol	*0*	*X*	*25 - 130*	*02/24/15 10:46*	*02/24/15 13:45*	*10*
Terphenyl-d14	*0*	*X*	*51 - 130*	*02/24/15 10:46*	*02/24/15 13:45*	*10*
Phenol-d5 (Surr)	*0*	*X*	*48 - 130*	*02/24/15 10:46*	*02/24/15 13:45*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0890	U	0.500	0.0890	mg/L		02/24/15 16:11	02/25/15 16:17	10
2,4-Dinitrotoluene	0.132	U	0.500	0.132	mg/L		02/24/15 16:11	02/25/15 16:17	10
2,4,5-Trichlorophenol	0.136	U	0.500	0.136	mg/L		02/24/15 16:11	02/25/15 16:17	10
2,4,6-Trichlorophenol	0.129	U	0.500	0.129	mg/L		02/24/15 16:11	02/25/15 16:17	10
2-Methylphenol	**0.230**	**J**	0.500	0.0905	mg/L		02/24/15 16:11	02/25/15 16:17	10

Client Sample ID: ST8-COMP-021915

Lab Sample ID: 600-107025-1

Date Collected: 02/19/15 12:09

Matrix: Waste

Date Received: 02/20/15 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	**0.293**	**J**	1.00	0.0940	mg/L		02/24/15 16:11	02/25/15 16:17	10
Hexachlorobenzene	0.130	U	0.500	0.130	mg/L		02/24/15 16:11	02/25/15 16:17	10
Hexachlorobutadiene	0.106	U	0.500	0.106	mg/L		02/24/15 16:11	02/25/15 16:17	10
Hexachloroethane	0.110	U	0.500	0.110	mg/L		02/24/15 16:11	02/25/15 16:17	10
Nitrobenzene	0.124	U	0.500	0.124	mg/L		02/24/15 16:11	02/25/15 16:17	10
Pentachlorophenol	0.231	U	2.50	0.231	mg/L		02/24/15 16:11	02/25/15 16:17	10
Pyridine	0.108	U	0.500	0.108	mg/L		02/24/15 16:11	02/25/15 16:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*92*		*35 - 130*	*02/24/15 16:11*	*02/25/15 16:17*	*10*
2-Fluorophenol	*53*		*10 - 130*	*02/24/15 16:11*	*02/25/15 16:17*	*10*
2-Fluorobiphenyl	*70*		*41 - 130*	*02/24/15 16:11*	*02/25/15 16:17*	*10*
2,4,6-Tribromophenol	*108*		*12 - 138*	*02/24/15 16:11*	*02/25/15 16:17*	*10*
Terphenyl-d14	*121*		*43 - 130*	*02/24/15 16:11*	*02/25/15 16:17*	*10*
Phenol-d5 (Surr)	*53*		*10 - 130*	*02/24/15 16:11*	*02/25/15 16:17*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**100000**		10000	3800	mg/Kg		02/23/15 12:31	02/24/15 08:56	100
>C12-C28	**612000**		10000	4060	mg/Kg		02/23/15 12:31	02/24/15 08:56	100
>C28-C35	**91000**		10000	4060	mg/Kg		02/23/15 12:31	02/24/15 08:56	100
C6-C35	**803000**		10000	3800	mg/Kg		02/23/15 12:31	02/24/15 08:56	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*X*	*70 - 130*	*02/23/15 12:31*	*02/24/15 08:56*	*100*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.874	U	1.94	0.874	mg/Kg		02/26/15 11:58	02/27/15 15:12	1
Barium	**697**		1.94	1.55	mg/Kg		02/26/15 11:58	02/27/15 15:12	1
Cadmium	**0.214**	**J**	0.971	0.0971	mg/Kg		02/26/15 11:58	02/26/15 18:02	1
Chromium	**5.75**		0.971	0.583	mg/Kg		02/26/15 11:58	02/26/15 18:02	1
Lead	**2.76**		0.971	0.485	mg/Kg		02/26/15 11:58	02/26/15 18:02	1
Selenium	0.971	U	1.94	0.971	mg/Kg		02/26/15 11:58	02/27/15 15:12	1
Silver	**1.01**		0.971	0.485	mg/Kg		02/26/15 11:58	02/26/15 18:02	1
Sodium	**3100**		194	97.1	mg/Kg		02/26/15 11:58	02/26/15 18:02	1
Sulfur	**18800**	**B**	48.5	19.4	mg/Kg		02/26/15 11:58	02/26/15 18:02	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0330**	**J**	0.100	0.0328	mg/L		02/25/15 09:47	02/25/15 17:20	1
Barium	**0.700**		0.200	0.0220	mg/L		02/25/15 09:47	02/25/15 17:20	1
Cadmium	0.00350	U	0.0500	0.00350	mg/L		02/25/15 09:47	02/25/15 17:20	1
Chromium	**0.0180**	**J B**	0.100	0.0155	mg/L		02/25/15 09:47	02/25/15 17:20	1
Lead	0.0290	U	0.100	0.0290	mg/L		02/25/15 09:47	02/25/15 17:20	1
Selenium	0.0417	U	0.400	0.0417	mg/L		02/25/15 09:47	02/25/15 17:20	1
Silver	0.0125	U	0.100	0.0125	mg/L		02/25/15 09:47	02/25/15 17:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000820	U	0.00200	0.000820	mg/L		02/25/15 08:31	02/25/15 13:55	1

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: ST8-COMP-021915

Lab Sample ID: 600-107025-1
Date Collected: 02/19/15 12:09
Matrix: Waste
Date Received: 02/20/15 11:28

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0691**		0.0159	0.00336	mg/Kg		02/23/15 15:11	02/23/15 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>186**		1.00	1.00	Degrees F			02/26/15 06:35	1
Cyanide, Reactive	0.0814	U	0.238	0.0814	mg/Kg		02/25/15 11:30	02/26/15 13:58	1
Halogens, Extractable Organic	**1290**		990	168	mg/Kg		02/27/15 06:41	02/27/15 10:20	5
Sulfide, Reactive	**209**		47.6	13.3	mg/Kg		02/25/15 11:30	02/26/15 14:11	1
Percent Water	**0.000**				%			02/27/15 14:00	1

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2
Date Collected: 02/19/15 12:48
Matrix: Waste
Date Received: 02/20/15 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**10.8**	**J**	50.0	8.30	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Benzene	**18.7**	**J**	25.0	3.15	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Chlorobromomethane	8.90	U	25.0	8.90	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Bromoform	6.85	U	25.0	6.85	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Bromomethane	4.15	U	50.0	4.15	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
2-Butanone (MEK)	9.50	U	50.0	9.50	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Carbon disulfide	2.75	U	50.0	2.75	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Carbon tetrachloride	5.65	U	25.0	5.65	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Dibromochloromethane	4.70	U	25.0	4.70	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Chlorobenzene	**19.4**	**J**	25.0	4.80	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Chloroethane	7.00	U	50.0	7.00	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Chloroform	3.30	U	25.0	3.30	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Chloromethane	8.30	U	50.0	8.30	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
1,1-Dichloroethane	4.35	U	25.0	4.35	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
1,2-Dichloroethane	4.50	U	25.0	4.50	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
1,1-Dichloroethene	6.10	U	25.0	6.10	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
cis-1,2-Dichloroethene	4.15	U	25.0	4.15	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
trans-1,2-Dichloroethene	5.70	U	25.0	5.70	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
1,2-Dichloropropane	3.55	U	25.0	3.55	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
cis-1,3-Dichloropropene	2.70	U	25.0	2.70	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
trans-1,3-Dichloropropene	2.90	U	25.0	2.90	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Ethylbenzene	**174**		25.0	5.10	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
2-Hexanone	5.05	U	50.0	5.05	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Methylene Chloride	11.0	U	50.0	11.0	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
4-Methyl-2-pentanone (MIBK)	7.35	U	50.0	7.35	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Styrene	**18.8**	**J**	25.0	3.55	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
1,1,2,2-Tetrachloroethane	4.35	U	25.0	4.35	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Tetrachloroethene	3.55	U	25.0	3.55	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Toluene	**237**		25.0	6.90	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
1,1,1-Trichloroethane	3.70	U	25.0	3.70	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
1,1,2-Trichloroethane	3.65	U	200	3.65	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Trichloroethene	7.00	U	25.0	7.00	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Vinyl acetate	4.65	U	50.0	4.65	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Vinyl chloride	4.50	U	50.0	4.50	mg/Kg		02/23/15 17:00	02/24/15 15:29	10

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2

Date Collected: 02/19/15 12:48

Matrix: Waste

Date Received: 02/20/15 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**248**		25.0	5.65	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
m-Xylene & p-Xylene	**830**		25.0	7.60	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Xylenes, Total	**1080**		25.0	5.65	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
Bromodichloromethane	3.30	U	25.0	3.30	mg/Kg		02/23/15 17:00	02/24/15 15:29	10
1,2-Dichloroethene, Total	9.50	U	50.0	9.50	mg/Kg		02/23/15 17:00	02/24/15 15:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*164*	*X*	*50 - 130*	*02/23/15 17:00*	*02/24/15 15:29*	*10*
Dibromofluoromethane	*107*		*68 - 140*	*02/23/15 17:00*	*02/24/15 15:29*	*10*
4-Bromofluorobenzene	*134*		*57 - 140*	*02/23/15 17:00*	*02/24/15 15:29*	*10*
1,2-Dichloroethane-d4 (Surr)	*105*		*61 - 130*	*02/23/15 17:00*	*02/24/15 15:29*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.155**		0.100	0.00330	mg/L			03/03/15 13:47	10
Carbon tetrachloride	0.00251	U	0.0500	0.00251	mg/L			03/03/15 13:47	10
Chlorobenzene	**0.0349**	**J**	0.0500	0.00136	mg/L			03/03/15 13:47	10
Chloroform	**0.00218**	**J**	0.0500	0.00200	mg/L			03/03/15 13:47	10
1,2-Dichloroethane	0.00160	U	0.0500	0.00160	mg/L			03/03/15 13:47	10
1,1-Dichloroethene	0.00300	U	0.0500	0.00300	mg/L			03/03/15 13:47	10
2-Butanone (MEK)	**0.531**		0.200	0.0100	mg/L			03/03/15 13:47	10
Tetrachloroethene	0.00189	U	0.0500	0.00189	mg/L			03/03/15 13:47	10
Trichloroethene	0.00317	U	0.0500	0.00317	mg/L			03/03/15 13:47	10
Vinyl chloride	0.00300	U	0.0500	0.00300	mg/L			03/03/15 13:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*03/03/15 13:47*	*10*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/03/15 13:47*	*10*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/03/15 13:47*	*10*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*03/03/15 13:47*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	520	U	908	520	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Acenaphthylene	530	U	908	530	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Anthracene	571	U	908	571	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Benzidine	2270	U	9080	2270	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Benzo[a]anthracene	571	U	908	571	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Benzo[b]fluoranthene	53.2	U	908	53.2	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Benzo[k]fluoranthene	80.9	U	908	80.9	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Benzo[g,h,i]perylene	482	U	908	482	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Benzo[a]pyrene	509	U	908	509	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Bis(2-chloroethoxy)methane	512	U	908	512	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Bis(2-chloroethyl)ether	90.8	U	908	90.8	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Bis(2-ethylhexyl) phthalate	551	U	908	551	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
4-Bromophenyl phenyl ether	550	U	908	550	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Butyl benzyl phthalate	552	U	908	552	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
4-Chloroaniline	182	U	908	182	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
2-Chloronaphthalene	591	U	908	591	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
4-Chlorophenyl phenyl ether	546	U	908	546	mg/Kg		02/24/15 10:46	02/24/15 14:17	10

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2

Date Collected: 02/19/15 12:48

Matrix: Waste

Date Received: 02/20/15 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	561	U	908	561	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Chrysene	555	U	908	555	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Di-n-butyl phthalate	586	U	908	586	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Dibenz(a,h)anthracene	522	U	908	522	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Dibenzofuran	541	U	908	541	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
1,2-Dichlorobenzene	72.4	U	908	72.4	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
1,3-Dichlorobenzene	490	U	908	490	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
1,4-Dichlorobenzene	63.5	U	908	63.5	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
3,3'-Dichlorobenzidine	175	U	1820	175	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Diethyl phthalate	562	U	908	562	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Dimethyl phthalate	550	U	908	550	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
2,4-Dinitrotoluene	90.6	U	908	90.6	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
2,6-Dinitrotoluene	577	U	908	577	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Di-n-octyl phthalate	588	U	908	588	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Fluoranthene	580	U	908	580	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Fluorene	559	U	908	559	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Hexachlorobenzene	573	U	908	573	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Hexachlorocyclopentadiene	61.3	U	908	61.3	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Hexachloroethane	82.3	U	908	82.3	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Hexachlorobutadiene	93.4	U	908	93.4	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Indeno[1,2,3-cd]pyrene	498	U	908	498	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Isophorone	534	U	908	534	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
2-Methylnaphthalene	520	U	908	520	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Naphthalene	**364**	**J**	908	53.1	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
2-Nitroaniline	536	U	4400	536	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
3-Nitroaniline	582	U	4400	582	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
4-Nitroaniline	497	U	4400	497	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Nitrobenzene	130	U	908	130	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
N-Nitrosodimethylamine	263	U	908	263	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
N-Nitrosodiphenylamine	86.8	U	908	86.8	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
N-Nitrosodi-n-propylamine	78.7	U	908	78.7	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Phenanthrene	559	U	908	559	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Pyrene	608	U	908	608	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
1,2,4-Trichlorobenzene	580	U	908	580	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Benzyl alcohol	172	U	908	172	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
4-Chloro-3-methylphenol	529	U	908	529	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
2-Chlorophenol	64.1	U	908	64.1	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
2-Methylphenol	104	U	908	104	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
3 & 4 Methylphenol	82.8	U	1820	82.8	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
2,4-Dichlorophenol	503	U	908	503	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
2,4-Dimethylphenol	175	U	908	175	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
4,6-Dinitro-2-methylphenol	569	U	4400	569	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
2,4-Dinitrophenol	352	U	4400	352	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
2-Nitrophenol	495	U	908	495	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
4-Nitrophenol	495	U	4400	495	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Pentachlorophenol	60.9	U	4400	60.9	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
Phenol	103	U	908	103	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
2,4,5-Trichlorophenol	171	U	908	171	mg/Kg		02/24/15 10:46	02/24/15 14:17	10
2,4,6-Trichlorophenol	496	U	908	496	mg/Kg		02/24/15 10:46	02/24/15 14:17	10

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2

Date Collected: 02/19/15 12:48

Matrix: Waste

Date Received: 02/20/15 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	95.3	U	908	95.3	mg/Kg		02/24/15 10:46	02/24/15 14:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*0*	*X*	*46 - 130*	*02/24/15 10:46*	*02/24/15 14:17*	*10*
2-Fluorophenol	*0*	*X*	*45 - 130*	*02/24/15 10:46*	*02/24/15 14:17*	*10*
2-Fluorobiphenyl	*0*	*X*	*42 - 130*	*02/24/15 10:46*	*02/24/15 14:17*	*10*
2,4,6-Tribromophenol	*0*	*X*	*25 - 130*	*02/24/15 10:46*	*02/24/15 14:17*	*10*
Terphenyl-d14	*0*	*X*	*51 - 130*	*02/24/15 10:46*	*02/24/15 14:17*	*10*
Phenol-d5 (Surr)	*0*	*X*	*48 - 130*	*02/24/15 10:46*	*02/24/15 14:17*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.178	U	1.00	0.178	mg/L		02/24/15 18:41	02/25/15 16:38	10
2,4-Dinitrotoluene	0.263	U	1.00	0.263	mg/L		02/24/15 18:41	02/25/15 16:38	10
2,4,5-Trichlorophenol	0.271	U	1.00	0.271	mg/L		02/24/15 18:41	02/25/15 16:38	10
2,4,6-Trichlorophenol	0.259	U	1.00	0.259	mg/L		02/24/15 18:41	02/25/15 16:38	10
2-Methylphenol	0.181	U	1.00	0.181	mg/L		02/24/15 18:41	02/25/15 16:38	10
3 & 4 Methylphenol	**0.493**	**J**	2.00	0.188	mg/L		02/24/15 18:41	02/25/15 16:38	10
Hexachlorobenzene	0.259	U	1.00	0.259	mg/L		02/24/15 18:41	02/25/15 16:38	10
Hexachlorobutadiene	0.212	U	1.00	0.212	mg/L		02/24/15 18:41	02/25/15 16:38	10
Hexachloroethane	0.220	U	1.00	0.220	mg/L		02/24/15 18:41	02/25/15 16:38	10
Nitrobenzene	0.248	U	1.00	0.248	mg/L		02/24/15 18:41	02/25/15 16:38	10
Pentachlorophenol	0.462	U	5.00	0.462	mg/L		02/24/15 18:41	02/25/15 16:38	10
Pyridine	0.216	U	1.00	0.216	mg/L		02/24/15 18:41	02/25/15 16:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*110*		*35 - 130*	*02/24/15 18:41*	*02/25/15 16:38*	*10*
2-Fluorophenol	*52*		*10 - 130*	*02/24/15 18:41*	*02/25/15 16:38*	*10*
2-Fluorobiphenyl	*38*	*X*	*41 - 130*	*02/24/15 18:41*	*02/25/15 16:38*	*10*
2,4,6-Tribromophenol	*112*		*12 - 138*	*02/24/15 18:41*	*02/25/15 16:38*	*10*
Terphenyl-d14	*147*	*X*	*43 - 130*	*02/24/15 18:41*	*02/25/15 16:38*	*10*
Phenol-d5 (Surr)	*58*		*10 - 130*	*02/24/15 18:41*	*02/25/15 16:38*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**95200**		10000	3800	mg/Kg		02/23/15 12:31	02/24/15 09:28	100
>C12-C28	**611000**		10000	4060	mg/Kg		02/23/15 12:31	02/24/15 09:28	100
>C28-C35	**127000**		10000	4060	mg/Kg		02/23/15 12:31	02/24/15 09:28	100
C6-C35	**833000**		10000	3800	mg/Kg		02/23/15 12:31	02/24/15 09:28	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*X*	*70 - 130*	*02/23/15 12:31*	*02/24/15 09:28*	*100*

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		02/26/15 11:58	02/27/15 15:16	1
Barium	**299**		1.92	1.54	mg/Kg		02/26/15 11:58	02/27/15 15:16	1
Cadmium	**0.134**	**J**	0.960	0.0960	mg/Kg		02/26/15 11:58	02/26/15 18:06	1
Chromium	**3.38**		0.960	0.576	mg/Kg		02/26/15 11:58	02/26/15 18:06	1
Lead	**2.15**		0.960	0.480	mg/Kg		02/26/15 11:58	02/26/15 18:06	1
Selenium	0.960	U	1.92	0.960	mg/Kg		02/26/15 11:58	02/27/15 15:16	1

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2

Date Collected: 02/19/15 12:48

Matrix: Waste

Date Received: 02/20/15 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.480	U	0.960	0.480	mg/Kg		02/26/15 11:58	02/26/15 18:06	1
Sodium	**680**		192	96.0	mg/Kg		02/26/15 11:58	02/26/15 18:06	1
Sulfur	**9890**	**B**	48.0	19.2	mg/Kg		02/26/15 11:58	02/26/15 18:06	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0328	U	0.100	0.0328	mg/L		02/25/15 09:47	02/25/15 17:03	1
Barium	**0.580**		0.200	0.0220	mg/L		02/25/15 09:47	02/25/15 17:03	1
Cadmium	0.00350	U	0.0500	0.00350	mg/L		02/25/15 09:47	02/25/15 17:03	1
Chromium	0.0155	U	0.100	0.0155	mg/L		02/25/15 09:47	02/25/15 17:03	1
Lead	0.0290	U	0.100	0.0290	mg/L		02/25/15 09:47	02/25/15 17:03	1
Selenium	0.0417	U	0.400	0.0417	mg/L		02/25/15 09:47	02/25/15 17:03	1
Silver	0.0125	U	0.100	0.0125	mg/L		02/25/15 09:47	02/25/15 17:03	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000820	U	0.00200	0.000820	mg/L		02/25/15 08:31	02/25/15 14:24	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.144**		0.0165	0.00346	mg/Kg		02/23/15 15:11	02/23/15 16:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>186**		1.00	1.00	Degrees F			02/26/15 06:35	1
Cyanide, Reactive	0.0843	U	0.247	0.0843	mg/Kg		02/25/15 11:30	02/26/15 13:58	1
Halogens, Extractable Organic	**1030**		198	33.7	mg/Kg		02/27/15 06:38	02/27/15 10:03	1
Sulfide, Reactive	13.8	U	49.3	13.8	mg/Kg		02/25/15 11:30	02/26/15 14:11	1
Percent Water	**0.000**				%			02/27/15 14:00	1

Client Sample ID: SAND-COMP6

Lab Sample ID: 600-107025-3

Date Collected: 02/19/15 14:35

Matrix: Solid

Date Received: 02/20/15 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.00484**	**J**	0.00986	0.00164	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Benzene	0.000621	U	0.00493	0.000621	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Bromodichloromethane	0.000651	U	0.00493	0.000651	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Bromoform	0.00135	U	0.00493	0.00135	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Bromomethane	0.000819	U	0.00986	0.000819	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
2-Butanone (MEK)	0.00187	U	0.00986	0.00187	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Carbon disulfide	0.000542	U	0.00986	0.000542	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Carbon tetrachloride	0.00111	U	0.00493	0.00111	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Chlorobenzene	0.000947	U	0.00493	0.000947	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Chlorobromomethane	0.00176	U	0.00493	0.00176	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Chloroethane	0.00138	U	0.00986	0.00138	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Chloroform	0.000651	U	0.00493	0.000651	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Chloromethane	0.00164	U	0.00986	0.00164	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
cis-1,2-Dichloroethene	0.000819	U	0.00493	0.000819	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
cis-1,3-Dichloropropene	0.000533	U	0.00493	0.000533	mg/Kg		02/27/15 11:15	02/27/15 14:48	1

Client Sample ID: SAND-COMP6

Date Collected: 02/19/15 14:35
Date Received: 02/20/15 11:28

Lab Sample ID: 600-107025-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	0.000927	U	0.00493	0.000927	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
1,1-Dichloroethane	0.000858	U	0.00493	0.000858	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
1,2-Dichloroethane	0.000888	U	0.00493	0.000888	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
1,1-Dichloroethene	0.00120	U	0.00493	0.00120	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
1,2-Dichloroethene, Total	0.00187	U	0.00986	0.00187	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
1,2-Dichloropropane	0.000700	U	0.00493	0.000700	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Ethylbenzene	0.00101	U	0.00493	0.00101	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
2-Hexanone	0.000996	U	0.00986	0.000996	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Methylene Chloride	0.00216	U	0.00986	0.00216	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
4-Methyl-2-pentanone (MIBK)	0.00145	U	0.00986	0.00145	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
m-Xylene & p-Xylene	0.00150	U	0.00493	0.00150	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
o-Xylene	0.00111	U	0.00493	0.00111	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Styrene	0.000700	U	0.00493	0.000700	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
1,1,2,2-Tetrachloroethane	0.000858	U	0.00493	0.000858	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Tetrachloroethene	**0.00197**	**J**	0.00493	0.000700	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Toluene	0.00136	U	0.00493	0.00136	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
trans-1,2-Dichloroethene	0.00112	U	0.00493	0.00112	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
trans-1,3-Dichloropropene	0.000572	U	0.00493	0.000572	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
1,1,1-Trichloroethane	0.000730	U	0.00493	0.000730	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
1,1,2-Trichloroethane	0.000720	U	0.0394	0.000720	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Trichloroethene	0.00138	U	0.00493	0.00138	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Vinyl acetate	0.000917	U	0.00986	0.000917	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Vinyl chloride	0.000888	U	0.00986	0.000888	mg/Kg		02/27/15 11:15	02/27/15 14:48	1
Xylenes, Total	0.00111	U	0.00493	0.00111	mg/Kg		02/27/15 11:15	02/27/15 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*57 - 140*	*02/27/15 11:15*	*02/27/15 14:48*	*1*
Dibromofluoromethane	*84*		*68 - 140*	*02/27/15 11:15*	*02/27/15 14:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*61 - 130*	*02/27/15 11:15*	*02/27/15 14:48*	*1*
Toluene-d8 (Surr)	*103*		*50 - 130*	*02/27/15 11:15*	*02/27/15 14:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00165	U	0.0500	0.00165	mg/L			03/03/15 14:12	5
Carbon tetrachloride	0.00126	U	0.0250	0.00126	mg/L			03/03/15 14:12	5
Chlorobenzene	0.000680	U	0.0250	0.000680	mg/L			03/03/15 14:12	5
Chloroform	0.00100	U	0.0250	0.00100	mg/L			03/03/15 14:12	5
1,2-Dichloroethane	0.000800	U	0.0250	0.000800	mg/L			03/03/15 14:12	5
1,1-Dichloroethene	0.00150	U	0.0250	0.00150	mg/L			03/03/15 14:12	5
2-Butanone (MEK)	0.00500	U	0.100	0.00500	mg/L			03/03/15 14:12	5
Tetrachloroethene	0.000945	U	0.0250	0.000945	mg/L			03/03/15 14:12	5
Trichloroethene	0.00159	U	0.0250	0.00159	mg/L			03/03/15 14:12	5
Vinyl chloride	0.00150	U	0.0250	0.00150	mg/L			03/03/15 14:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*03/03/15 14:12*	*5*
Toluene-d8 (Surr)	*95*		*70 - 130*		*03/03/15 14:12*	*5*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*03/03/15 14:12*	*5*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*03/03/15 14:12*	*5*

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: SAND-COMP6

Date Collected: 02/19/15 14:35
Date Received: 02/20/15 11:28

Lab Sample ID: 600-107025-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	7.47	U	13.0	7.47	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Acenaphthylene	7.61	U	13.0	7.61	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Anthracene	8.20	U	13.0	8.20	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Benzidine	0.357	U *	63.2	0.357	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Benzo[a]anthracene	8.19	U	13.0	8.19	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Benzo[b]fluoranthene	0.764	U	13.0	0.764	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Benzo[k]fluoranthene	1.16	U	13.0	1.16	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Benzo[g,h,i]perylene	6.93	U	13.0	6.93	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Benzo[a]pyrene	7.32	U	13.0	7.32	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Bis(2-chloroethoxy)methane	7.36	U	13.0	7.36	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Bis(2-chloroethyl)ether	1.30	U	13.0	1.30	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Bis(2-ethylhexyl) phthalate	**13.9**		13.0	7.91	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
4-Bromophenyl phenyl ether	7.91	U	13.0	7.91	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Butyl benzyl phthalate	7.93	U	13.0	7.93	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
4-Chloroaniline	2.61	U	13.0	2.61	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
2-Chloronaphthalene	8.49	U	13.0	8.49	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
4-Chlorophenyl phenyl ether	7.84	U	13.0	7.84	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Carbazole	8.05	U	13.0	8.05	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Chrysene	7.97	U	13.0	7.97	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Di-n-butyl phthalate	8.42	U	13.0	8.42	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Dibenz(a,h)anthracene	7.50	U	13.0	7.50	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Dibenzofuran	7.77	U	13.0	7.77	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
1,2-Dichlorobenzene	1.04	U	13.0	1.04	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
1,3-Dichlorobenzene	7.04	U	13.0	7.04	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
1,4-Dichlorobenzene	0.911	U	13.0	0.911	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
3,3'-Dichlorobenzidine	2.51	U	26.1	2.51	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Diethyl phthalate	8.07	U	13.0	8.07	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Dimethyl phthalate	7.89	U	13.0	7.89	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
2,4-Dinitrotoluene	1.30	U	13.0	1.30	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
2,6-Dinitrotoluene	8.29	U	13.0	8.29	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Di-n-octyl phthalate	8.44	U	13.0	8.44	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Fluoranthene	8.33	U	13.0	8.33	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Fluorene	8.03	U	13.0	8.03	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Hexachlorobenzene	8.23	U	13.0	8.23	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Hexachlorocyclopentadiene	0.880	U	13.0	0.880	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Hexachloroethane	1.18	U	13.0	1.18	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Hexachlorobutadiene	1.34	U	13.0	1.34	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Indeno[1,2,3-cd]pyrene	7.16	U	13.0	7.16	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Isophorone	7.66	U	13.0	7.66	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
2-Methylnaphthalene	7.47	U	13.0	7.47	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Naphthalene	**0.782**	**J**	13.0	0.763	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
2-Nitroaniline	7.69	U	63.2	7.69	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
3-Nitroaniline	8.37	U	63.2	8.37	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
4-Nitroaniline	7.13	U	63.2	7.13	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Nitrobenzene	1.87	U	13.0	1.87	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
N-Nitrosodimethylamine	3.77	U	13.0	3.77	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
N-Nitrosodiphenylamine	1.25	U	13.0	1.25	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
N-Nitrosodi-n-propylamine	1.13	U	13.0	1.13	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Phenanthrene	8.02	U	13.0	8.02	mg/Kg		02/23/15 10:50	02/24/15 17:25	20

Client Sample ID: SAND-COMP6

Date Collected: 02/19/15 14:35
Date Received: 02/20/15 11:28

Lab Sample ID: 600-107025-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	8.73	U	13.0	8.73	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
1,2,4-Trichlorobenzene	8.32	U	13.0	8.32	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Benzyl alcohol	2.46	U	13.0	2.46	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
4-Chloro-3-methylphenol	7.59	U	13.0	7.59	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
2-Chlorophenol	0.921	U	13.0	0.921	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
2-Methylphenol	**2.29**	**J**	13.0	1.50	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
3 & 4 Methylphenol	**2.36**	**J**	26.1	1.19	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
2,4-Dichlorophenol	7.22	U	13.0	7.22	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
2,4-Dimethylphenol	**2.71**	**J**	13.0	2.51	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
4,6-Dinitro-2-methylphenol	8.17	U	63.2	8.17	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
2,4-Dinitrophenol	5.06	U	63.2	5.06	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
2-Nitrophenol	7.11	U	13.0	7.11	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
4-Nitrophenol	7.11	U	63.2	7.11	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Pentachlorophenol	0.874	U	63.2	0.874	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
Phenol	1.48	U	13.0	1.48	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
2,4,5-Trichlorophenol	2.45	U	13.0	2.45	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
2,4,6-Trichlorophenol	7.12	U	13.0	7.12	mg/Kg		02/23/15 10:50	02/24/15 17:25	20
bis (2-Chloroisopropyl) ether	1.37	U	13.0	1.37	mg/Kg		02/23/15 10:50	02/24/15 17:25	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*55*		*10 - 150*	*02/23/15 10:50*	*02/24/15 17:25*	*20*
2-Fluorophenol	*61*		*25 - 132*	*02/23/15 10:50*	*02/24/15 17:25*	*20*
2-Fluorobiphenyl	*76*		*38 - 130*	*02/23/15 10:50*	*02/24/15 17:25*	*20*
2,4,6-Tribromophenol	*72*		*10 - 148*	*02/23/15 10:50*	*02/24/15 17:25*	*20*
Terphenyl-d14	*77*		*53 - 134*	*02/23/15 10:50*	*02/24/15 17:25*	*20*
Phenol-d5 (Surr)	*62*		*27 - 123*	*02/23/15 10:50*	*02/24/15 17:25*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.00890	U	0.0500	0.00890	mg/L		02/24/15 16:11	02/25/15 15:35	1
2,4-Dinitrotoluene	0.0132	U	0.0500	0.0132	mg/L		02/24/15 16:11	02/25/15 15:35	1
2,4,5-Trichlorophenol	0.0136	U	0.0500	0.0136	mg/L		02/24/15 16:11	02/25/15 15:35	1
2,4,6-Trichlorophenol	0.0129	U	0.0500	0.0129	mg/L		02/24/15 16:11	02/25/15 15:35	1
2-Methylphenol	0.00905	U	0.0500	0.00905	mg/L		02/24/15 16:11	02/25/15 15:35	1
3 & 4 Methylphenol	0.00940	U	0.100	0.00940	mg/L		02/24/15 16:11	02/25/15 15:35	1
Hexachlorobenzene	0.0130	U	0.0500	0.0130	mg/L		02/24/15 16:11	02/25/15 15:35	1
Hexachlorobutadiene	0.0106	U	0.0500	0.0106	mg/L		02/24/15 16:11	02/25/15 15:35	1
Hexachloroethane	0.0110	U	0.0500	0.0110	mg/L		02/24/15 16:11	02/25/15 15:35	1
Nitrobenzene	0.0124	U	0.0500	0.0124	mg/L		02/24/15 16:11	02/25/15 15:35	1
Pentachlorophenol	0.0231	U	0.250	0.0231	mg/L		02/24/15 16:11	02/25/15 15:35	1
Pyridine	0.0108	U	0.0500	0.0108	mg/L		02/24/15 16:11	02/25/15 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*47*		*10 - 130*	*02/24/15 16:11*	*02/25/15 15:35*	*1*
Nitrobenzene-d5	*77*		*35 - 130*	*02/24/15 16:11*	*02/25/15 15:35*	*1*
2-Fluorophenol	*61*		*10 - 130*	*02/24/15 16:11*	*02/25/15 15:35*	*1*
2-Fluorobiphenyl	*87*		*41 - 130*	*02/24/15 16:11*	*02/25/15 15:35*	*1*
2,4,6-Tribromophenol	*80*		*12 - 138*	*02/24/15 16:11*	*02/25/15 15:35*	*1*
Terphenyl-d14	*75*		*43 - 130*	*02/24/15 16:11*	*02/25/15 15:35*	*1*

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: SAND-COMP6

Date Collected: 02/19/15 14:35
Date Received: 02/20/15 11:28

Lab Sample ID: 600-107025-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	37.8	U	99.4	37.8	mg/Kg		02/23/15 12:31	02/24/15 10:14	10
>C12-C28	5250		99.4	40.4	mg/Kg		02/23/15 12:31	02/24/15 10:14	10
>C28-C35	2290		99.4	40.4	mg/Kg		02/23/15 12:31	02/24/15 10:14	10
C6-C35	7540		99.4	37.8	mg/Kg		02/23/15 12:31	02/24/15 10:14	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*132*	*X*	*70 - 130*	*02/23/15 12:31*	*02/24/15 10:14*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.14	J	1.96	0.881	mg/Kg		02/26/15 11:58	02/27/15 15:20	1
Barium	68.3		1.96	1.57	mg/Kg		02/26/15 11:58	02/27/15 15:20	1
Cadmium	0.196	J	0.978	0.0978	mg/Kg		02/26/15 11:58	02/26/15 18:15	1
Chromium	13.2		0.978	0.587	mg/Kg		02/26/15 11:58	02/26/15 18:15	1
Lead	12.0		0.978	0.489	mg/Kg		02/26/15 11:58	02/26/15 18:15	1
Selenium	0.978	U	1.96	0.978	mg/Kg		02/26/15 11:58	02/27/15 15:20	1
Silver	0.489	U	0.978	0.489	mg/Kg		02/26/15 11:58	02/26/15 18:15	1
Sodium	359		196	97.8	mg/Kg		02/26/15 11:58	02/26/15 18:15	1
Sulfur	1360	B	48.9	19.6	mg/Kg		02/26/15 11:58	02/26/15 18:15	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0328	U	0.100	0.0328	mg/L		02/25/15 09:47	02/25/15 17:13	1
Barium	0.396		0.200	0.0220	mg/L		02/25/15 09:47	02/25/15 17:13	1
Cadmium	0.00350	U	0.0500	0.00350	mg/L		02/25/15 09:47	02/25/15 17:13	1
Chromium	0.0170	J B	0.100	0.0155	mg/L		02/25/15 09:47	02/25/15 17:13	1
Lead	0.0290	U	0.100	0.0290	mg/L		02/25/15 09:47	02/25/15 17:13	1
Selenium	0.0417	U	0.400	0.0417	mg/L		02/25/15 09:47	02/25/15 17:13	1
Silver	0.0125	U	0.100	0.0125	mg/L		02/25/15 09:47	02/25/15 17:13	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0000820	U	0.000200	0.0000820	mg/L		02/25/15 08:31	02/25/15 13:47	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.404		0.0165	0.00346	mg/Kg		02/23/15 15:11	02/23/15 16:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	13.9	U	49.5	13.9	mg/Kg		02/25/15 11:30	02/26/15 14:11	1
Cyanide, Reactive	0.0847	U	0.248	0.0847	mg/Kg		02/25/15 11:30	02/26/15 13:58	1
Halogens, Extractable Organic	49.0	J	197	33.5	mg/Kg		02/27/15 06:30	02/27/15 09:17	1
pH	7.20		0.0100	0.0100	SU			02/25/15 15:40	1
Percent Water	0.000				%			02/27/15 14:00	1
Flashpoint	>212		1.00	1.00	Degrees F			02/26/15 06:35	1

Qualifiers

GC/MS VOA

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.
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.
*	LCS or LCSD exceeds the control limits

GC Semi VOA

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

Metals

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

General Chemistry

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.

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)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(57-140)	(68-140)	(61-130)	(50-130)
600-107025-3	SAND-COMP6	92	84	93	103
LCS 600-156863/3	Lab Control Sample	93	98	105	78
LCSD 600-156863/4	Lab Control Sample Dup	93	99	108	85
MB 600-156863/6	Method Blank	122	85	84	73

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	TOL	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
LCS 560-113408/3	Lab Control Sample	102	97	96	99
MB 560-113408/8	Method Blank	99	90	111	104

Surrogate Legend

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

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	TOL	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
600-107025-3	SAND-COMP6	100	95	100	106
LB 560-113358/1-A	Method Blank	104	95	105	107

Surrogate Legend

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

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)
600-107025-1	ST8-COMP-021915	199 X	87	108	98
600-107025-2	ST5-COMP-021915	164 X	107	134	105
LCS 600-156517/1-A	Lab Control Sample	100	104	106	101

Surrogate Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

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

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)
LCSD 600-156517/2-A	Lab Control Sample Dup	100	105	103	103
MB 600-156517/3-A	Method Blank	100	99	103	99

Surrogate Legend

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

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

Matrix: Waste **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	TOL	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
600-107025-1	ST8-COMP-021915	101	98	101	107
600-107025-2	ST5-COMP-021915	100	96	99	102

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	2FP	FBP	TBP	TPH	PHL
Lab Sample ID	Client Sample ID	(10-150)	(25-132)	(38-130)	(10-148)	(53-134)	(27-123)
600-107025-3	SAND-COMP6	55	61	76	72	77	62
LCS 600-156523/2-A	Lab Control Sample	81	80	84	92	91	68
MB 600-156523/1-A	Method Blank	78	79	90	48	99	73

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)						
		NBZ	2FP	FBP	TBP	TPH	PHL	PHL
Lab Sample ID	Client Sample ID	(35-130)	(10-130)	(41-130)	(12-138)	(43-130)	(10-130)	(10-130)
LCS 600-156643/2-A	Lab Control Sample	78	78	85	81	88	78	78
MB 600-156643/1-A	Method Blank	78	78	92	81	92	75	75

Surrogate Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

Surrogate Legend

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

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)						
		PHL	PHL	NBZ	2FP	FBP	TBP	TPH
Lab Sample ID	Client Sample ID	(10-130)	(10-130)	(35-130)	(10-130)	(41-130)	(12-138)	(43-130)
600-107025-3	SAND-COMP6	47	47	77	61	87	80	75
600-107025-3 MS	SAND-COMP6	50	50	70	63	86	76	88
LB 600-156592/1-D	Method Blank	45	45	66	58	71	67	86

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	2FP	FBP	TBP	TPH	PHL
Lab Sample ID	Client Sample ID	(46-130)	(45-130)	(42-130)	(25-130)	(51-130)	(48-130)
600-107025-1	ST8-COMP-021915	0 X	0 X	0 X	0 X	0 X	0 X
600-107025-2	ST5-COMP-021915	0 X	0 X	0 X	0 X	0 X	0 X
LCS 600-156603/2-A	Lab Control Sample	77	79	84	92	87	72
MB 600-156603/1-A	Method Blank	85	89	96	99	94	81

Surrogate Legend

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

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

Matrix: Waste **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	2FP	FBP	TBP	TPH	PHL
Lab Sample ID	Client Sample ID	(35-130)	(10-130)	(41-130)	(12-138)	(43-130)	(10-130)
600-107025-1	ST8-COMP-021915	92	53	70	108	121	53
600-107025-2	ST5-COMP-021915	110	52	38 X	112	147 X	58
LB 600-156591/1-B	Method Blank	87	78	100	90	102	59

Surrogate Legend

Surrogate Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**OTPH (70-130)**							
600-107025-3 - DL	SAND-COMP6	132 X							
LCS 600-156532/2-A	Lab Control Sample	96							
LCSD 600-156532/3-A	Lab Control Sample Dup	94							
MB 600-156532/1-A	Method Blank	92							

Surrogate Legend

OTPH = o-Terphenyl

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**OTPH (70-130)**							
600-107025-1 - DL	ST8-COMP-021915	0 X							
600-107025-2 - DL	ST5-COMP-021915	0 X							

Surrogate Legend

OTPH = o-Terphenyl

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

Lab Sample ID: MB 560-113408/8
Matrix: Solid
Analysis Batch: 113408

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000330	U	0.0100	0.000330	mg/L			03/03/15 12:08	1
Carbon tetrachloride	0.000251	U	0.00500	0.000251	mg/L			03/03/15 12:08	1
Chlorobenzene	0.000136	U	0.00500	0.000136	mg/L			03/03/15 12:08	1
Chloroform	0.000200	U	0.00500	0.000200	mg/L			03/03/15 12:08	1
1,2-Dichloroethane	0.000160	U	0.00500	0.000160	mg/L			03/03/15 12:08	1
1,1-Dichloroethene	0.000300	U	0.00500	0.000300	mg/L			03/03/15 12:08	1
2-Butanone (MEK)	0.00100	U	0.0200	0.00100	mg/L			03/03/15 12:08	1
Tetrachloroethene	0.000189	U	0.00500	0.000189	mg/L			03/03/15 12:08	1
Trichloroethene	0.000317	U	0.00500	0.000317	mg/L			03/03/15 12:08	1
Vinyl chloride	0.000300	U	0.00500	0.000300	mg/L			03/03/15 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*03/03/15 12:08*	*1*
Toluene-d8 (Surr)	*90*		*70 - 130*		*03/03/15 12:08*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*03/03/15 12:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*03/03/15 12:08*	*1*

Lab Sample ID: LCS 560-113408/3
Matrix: Solid
Analysis Batch: 113408

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0250	0.02919		mg/L		117	70 - 130
Carbon tetrachloride	0.0250	0.02759		mg/L		110	65 - 135
Chlorobenzene	0.0250	0.02564		mg/L		103	70 - 130
Chloroform	0.0250	0.02853		mg/L		114	70 - 130
1,2-Dichloroethane	0.0250	0.02819		mg/L		113	68 - 130
1,1-Dichloroethene	0.0250	0.02568		mg/L		103	67 - 130
2-Butanone (MEK)	0.0250	0.02986		mg/L		119	50 - 158
Tetrachloroethene	0.0250	0.02449		mg/L		98	60 - 130
Trichloroethene	0.0250	0.02810		mg/L		112	70 - 130
Vinyl chloride	0.0250	0.02807		mg/L		112	59 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 600-156517/3-A
Matrix: Waste
Analysis Batch: 156524

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.208	U	1.25	0.208	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Benzene	0.0788	U	0.625	0.0788	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Bromoform	0.171	U	0.625	0.171	mg/Kg		02/23/15 10:00	02/23/15 15:41	1

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

Lab Sample ID: MB 600-156517/3-A
Matrix: Waste
Analysis Batch: 156524

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	0.104	U	1.25	0.104	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
2-Butanone (MEK)	0.238	U	1.25	0.238	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Carbon disulfide	0.0688	U	1.25	0.0688	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Carbon tetrachloride	0.141	U	0.625	0.141	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Chlorobenzene	0.120	U	0.625	0.120	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Chlorobromomethane	0.223	U	0.625	0.223	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Chloroethane	0.175	U	1.25	0.175	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Chloroform	0.0825	U	0.625	0.0825	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Chloromethane	0.208	U	1.25	0.208	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
cis-1,2-Dichloroethene	0.104	U	0.625	0.104	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Dibromochloromethane	0.118	U	0.625	0.118	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
1,1-Dichloroethane	0.109	U	0.625	0.109	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
1,2-Dichloroethane	0.113	U	0.625	0.113	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
cis-1,3-Dichloropropene	0.0675	U	0.625	0.0675	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
1,1-Dichloroethene	0.153	U	0.625	0.153	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
1,2-Dichloropropane	0.0888	U	0.625	0.0888	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Ethylbenzene	0.128	U	0.625	0.128	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
2-Hexanone	0.126	U	1.25	0.126	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Methylene Chloride	0.274	U	1.25	0.274	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
4-Methyl-2-pentanone (MIBK)	0.184	U	1.25	0.184	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Styrene	0.0888	U	0.625	0.0888	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
1,1,2,2-Tetrachloroethane	0.109	U	0.625	0.109	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Tetrachloroethene	0.0888	U	0.625	0.0888	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Toluene	0.173	U	0.625	0.173	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
o-Xylene	0.141	U	0.625	0.141	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
m-Xylene & p-Xylene	0.190	U	0.625	0.190	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
trans-1,2-Dichloroethene	0.143	U	0.625	0.143	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
trans-1,3-Dichloropropene	0.0725	U	0.625	0.0725	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
1,1,1-Trichloroethane	0.0925	U	0.625	0.0925	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
1,1,2-Trichloroethane	0.0913	U	5.00	0.0913	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Trichloroethene	0.175	U	0.625	0.175	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Vinyl acetate	0.116	U	1.25	0.116	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Bromodichloromethane	0.0825	U	0.625	0.0825	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Vinyl chloride	0.113	U	1.25	0.113	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
1,2-Dichloroethene, Total	0.238	U	1.25	0.238	mg/Kg		02/23/15 10:00	02/23/15 15:41	1
Xylenes, Total	0.141	U	0.625	0.141	mg/Kg		02/23/15 10:00	02/23/15 15:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*50 - 130*	*02/23/15 10:00*	*02/23/15 15:41*	*1*
Dibromofluoromethane	*99*		*68 - 140*	*02/23/15 10:00*	*02/23/15 15:41*	*1*
4-Bromofluorobenzene	*103*		*57 - 140*	*02/23/15 10:00*	*02/23/15 15:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*61 - 130*	*02/23/15 10:00*	*02/23/15 15:41*	*1*

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

Lab Sample ID: LCS 600-156517/1-A
Matrix: Waste
Analysis Batch: 156524

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	12.5	10.97		mg/Kg		88	13 - 150
Benzene	6.25	6.118		mg/Kg		98	70 - 131
Bromoform	6.25	5.300		mg/Kg		85	43 - 150
Bromomethane	6.25	6.149		mg/Kg		98	37 - 147
2-Butanone (MEK)	12.5	11.65		mg/Kg		93	33 - 150
Carbon disulfide	6.25	6.009		mg/Kg		96	51 - 141
Carbon tetrachloride	6.25	6.305		mg/Kg		101	58 - 130
Chlorobenzene	6.25	6.063		mg/Kg		97	63 - 131
Chlorobromomethane	6.25	6.363		mg/Kg		102	70 - 132
Chloroethane	6.25	6.436		mg/Kg		103	40 - 150
Chloroform	6.25	6.333		mg/Kg		101	69 - 130
Chloromethane	6.25	6.062		mg/Kg		97	44 - 141
cis-1,2-Dichloroethene	6.25	6.262		mg/Kg		100	70 - 130
Dibromochloromethane	6.25	6.042		mg/Kg		97	65 - 134
1,1-Dichloroethane	6.25	6.335		mg/Kg		101	63 - 140
1,2-Dichloroethane	6.25	6.454		mg/Kg		103	58 - 137
cis-1,3-Dichloropropene	6.25	5.854		mg/Kg		94	65 - 130
1,1-Dichloroethene	6.25	6.077		mg/Kg		97	62 - 142
1,2-Dichloropropane	6.25	6.258		mg/Kg		100	70 - 130
Ethylbenzene	6.25	6.080		mg/Kg		97	66 - 130
2-Hexanone	12.5	12.13		mg/Kg		97	35 - 150
Methylene Chloride	6.25	5.587		mg/Kg		89	61 - 150
4-Methyl-2-pentanone (MIBK)	12.5	12.58		mg/Kg		101	21 - 150
Styrene	6.25	6.158		mg/Kg		99	65 - 133
1,1,2,2-Tetrachloroethane	6.25	5.094		mg/Kg		82	61 - 138
Tetrachloroethene	6.25	6.045		mg/Kg		97	43 - 143
Toluene	6.25	5.988		mg/Kg		96	67 - 130
o-Xylene	6.25	6.088		mg/Kg		97	62 - 130
m-Xylene & p-Xylene	6.25	6.119		mg/Kg		98	64 - 130
trans-1,2-Dichloroethene	6.25	5.997		mg/Kg		96	69 - 130
trans-1,3-Dichloropropene	6.25	5.901		mg/Kg		94	70 - 130
1,1,1-Trichloroethane	6.25	6.404		mg/Kg		102	59 - 130
1,1,2-Trichloroethane	6.25	5.816		mg/Kg		93	67 - 134
Trichloroethene	6.25	6.386		mg/Kg		102	63 - 135
Vinyl acetate	12.5	12.93		mg/Kg		103	40 - 150
Bromodichloromethane	6.25	6.296		mg/Kg		101	67 - 138
Vinyl chloride	6.25	5.723		mg/Kg		92	40 - 148
1,2-Dichloroethene, Total	12.5	12.26		mg/Kg		98	70 - 130
Xylenes, Total	12.5	12.21		mg/Kg		98	63 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*50 - 130*
Dibromofluoromethane	*104*		*68 - 140*
4-Bromofluorobenzene	*106*		*57 - 140*
1,2-Dichloroethane-d4 (Surr)	*101*		*61 - 130*

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

Lab Sample ID: LCSD 600-156517/2-A
Matrix: Waste
Analysis Batch: 156524

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 156517

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	12.5	10.85		mg/Kg		87	13 - 150	1	30
Benzene	6.25	6.257		mg/Kg		100	70 - 131	2	30
Bromoform	6.25	5.218		mg/Kg		83	43 - 150	2	30
Bromomethane	6.25	6.572		mg/Kg		105	37 - 147	7	30
2-Butanone (MEK)	12.5	11.50		mg/Kg		92	33 - 150	1	30
Carbon disulfide	6.25	6.036		mg/Kg		97	51 - 141	0	30
Carbon tetrachloride	6.25	6.243		mg/Kg		100	58 - 130	1	30
Chlorobenzene	6.25	6.127		mg/Kg		98	63 - 131	1	30
Chlorobromomethane	6.25	6.550		mg/Kg		105	70 - 132	3	30
Chloroethane	6.25	7.008		mg/Kg		112	40 - 150	9	30
Chloroform	6.25	6.296		mg/Kg		101	69 - 130	1	30
Chloromethane	6.25	6.297		mg/Kg		101	44 - 141	4	30
cis-1,2-Dichloroethene	6.25	6.357		mg/Kg		102	70 - 130	2	30
Dibromochloromethane	6.25	6.015		mg/Kg		96	65 - 134	0	30
1,1-Dichloroethane	6.25	6.391		mg/Kg		102	63 - 140	1	30
1,2-Dichloroethane	6.25	6.591		mg/Kg		105	58 - 137	2	30
cis-1,3-Dichloropropene	6.25	5.732		mg/Kg		92	65 - 130	2	30
1,1-Dichloroethene	6.25	6.035		mg/Kg		97	62 - 142	1	30
1,2-Dichloropropane	6.25	6.316		mg/Kg		101	70 - 130	1	30
Ethylbenzene	6.25	6.151		mg/Kg		98	66 - 130	1	30
2-Hexanone	12.5	11.92		mg/Kg		95	35 - 150	2	30
Methylene Chloride	6.25	5.501		mg/Kg		88	61 - 150	2	30
4-Methyl-2-pentanone (MIBK)	12.5	12.58		mg/Kg		101	21 - 150	0	30
Styrene	6.25	6.167		mg/Kg		99	65 - 133	0	30
1,1,2,2-Tetrachloroethane	6.25	5.089		mg/Kg		81	61 - 138	0	30
Tetrachloroethene	6.25	5.770		mg/Kg		92	43 - 143	5	30
Toluene	6.25	5.858		mg/Kg		94	67 - 130	2	30
o-Xylene	6.25	6.175		mg/Kg		99	62 - 130	1	30
m-Xylene & p-Xylene	6.25	6.109		mg/Kg		98	64 - 130	0	30
trans-1,2-Dichloroethene	6.25	5.950		mg/Kg		95	69 - 130	1	30
trans-1,3-Dichloropropene	6.25	5.922		mg/Kg		95	70 - 130	0	30
1,1,1-Trichloroethane	6.25	6.363		mg/Kg		102	59 - 130	1	30
1,1,2-Trichloroethane	6.25	5.783		mg/Kg		93	67 - 134	1	30
Trichloroethene	6.25	6.381		mg/Kg		102	63 - 135	0	30
Vinyl acetate	12.5	13.17		mg/Kg		105	40 - 150	2	30
Bromodichloromethane	6.25	6.388		mg/Kg		102	67 - 138	1	30
Vinyl chloride	6.25	6.020		mg/Kg		96	40 - 148	5	30
1,2-Dichloroethene, Total	12.5	12.31		mg/Kg		98	70 - 130	0	30
Xylenes, Total	12.5	12.28		mg/Kg		98	63 - 130	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*50 - 130*
Dibromofluoromethane	*105*		*68 - 140*
4-Bromofluorobenzene	*103*		*57 - 140*
1,2-Dichloroethane-d4 (Surr)	*103*		*61 - 130*

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

Lab Sample ID: MB 600-156863/6
Matrix: Solid
Analysis Batch: 156863

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00166	U	0.0100	0.00166	mg/Kg			02/27/15 11:27	1
Benzene	0.000630	U	0.00500	0.000630	mg/Kg			02/27/15 11:27	1
Bromoform	0.00137	U	0.00500	0.00137	mg/Kg			02/27/15 11:27	1
Bromomethane	0.000830	U	0.0100	0.000830	mg/Kg			02/27/15 11:27	1
2-Butanone (MEK)	0.00190	U	0.0100	0.00190	mg/Kg			02/27/15 11:27	1
Carbon disulfide	0.000550	U	0.0100	0.000550	mg/Kg			02/27/15 11:27	1
Carbon tetrachloride	0.00113	U	0.00500	0.00113	mg/Kg			02/27/15 11:27	1
Chlorobenzene	0.000960	U	0.00500	0.000960	mg/Kg			02/27/15 11:27	1
Chlorobromomethane	0.00178	U	0.00500	0.00178	mg/Kg			02/27/15 11:27	1
Chloroethane	0.00140	U	0.0100	0.00140	mg/Kg			02/27/15 11:27	1
Chloroform	0.0007685	J	0.00500	0.000660	mg/Kg			02/27/15 11:27	1
Chloromethane	0.00166	U	0.0100	0.00166	mg/Kg			02/27/15 11:27	1
cis-1,2-Dichloroethene	0.000830	U	0.00500	0.000830	mg/Kg			02/27/15 11:27	1
Dibromochloromethane	0.000940	U	0.00500	0.000940	mg/Kg			02/27/15 11:27	1
1,1-Dichloroethane	0.000870	U	0.00500	0.000870	mg/Kg			02/27/15 11:27	1
1,2-Dichloroethane	0.000900	U	0.00500	0.000900	mg/Kg			02/27/15 11:27	1
cis-1,3-Dichloropropene	0.000540	U	0.00500	0.000540	mg/Kg			02/27/15 11:27	1
1,1-Dichloroethene	0.00122	U	0.00500	0.00122	mg/Kg			02/27/15 11:27	1
1,2-Dichloropropane	0.000710	U	0.00500	0.000710	mg/Kg			02/27/15 11:27	1
Ethylbenzene	0.00102	U	0.00500	0.00102	mg/Kg			02/27/15 11:27	1
2-Hexanone	0.00101	U	0.0100	0.00101	mg/Kg			02/27/15 11:27	1
Methylene Chloride	0.00219	U	0.0100	0.00219	mg/Kg			02/27/15 11:27	1
4-Methyl-2-pentanone (MIBK)	0.00147	U	0.0100	0.00147	mg/Kg			02/27/15 11:27	1
Styrene	0.000710	U	0.00500	0.000710	mg/Kg			02/27/15 11:27	1
1,1,2,2-Tetrachloroethane	0.000870	U	0.00500	0.000870	mg/Kg			02/27/15 11:27	1
Tetrachloroethene	0.000710	U	0.00500	0.000710	mg/Kg			02/27/15 11:27	1
Toluene	0.00138	U	0.00500	0.00138	mg/Kg			02/27/15 11:27	1
o-Xylene	0.00113	U	0.00500	0.00113	mg/Kg			02/27/15 11:27	1
m-Xylene & p-Xylene	0.00152	U	0.00500	0.00152	mg/Kg			02/27/15 11:27	1
trans-1,2-Dichloroethene	0.00114	U	0.00500	0.00114	mg/Kg			02/27/15 11:27	1
trans-1,3-Dichloropropene	0.000580	U	0.00500	0.000580	mg/Kg			02/27/15 11:27	1
1,1,1-Trichloroethane	0.000740	U	0.00500	0.000740	mg/Kg			02/27/15 11:27	1
1,1,2-Trichloroethane	0.000730	U	0.0400	0.000730	mg/Kg			02/27/15 11:27	1
Trichloroethene	0.00140	U	0.00500	0.00140	mg/Kg			02/27/15 11:27	1
Vinyl acetate	0.000930	U	0.0100	0.000930	mg/Kg			02/27/15 11:27	1
Bromodichloromethane	0.000660	U	0.00500	0.000660	mg/Kg			02/27/15 11:27	1
Vinyl chloride	0.000900	U	0.0100	0.000900	mg/Kg			02/27/15 11:27	1
1,2-Dichloroethene, Total	0.00190	U	0.0100	0.00190	mg/Kg			02/27/15 11:27	1
Xylenes, Total	0.00113	U	0.00500	0.00113	mg/Kg			02/27/15 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*73*		*50 - 130*		*02/27/15 11:27*	*1*
Dibromofluoromethane	*85*		*68 - 140*		*02/27/15 11:27*	*1*
4-Bromofluorobenzene	*122*		*57 - 140*		*02/27/15 11:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*61 - 130*		*02/27/15 11:27*	*1*

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

Lab Sample ID: LCS 600-156863/3
Matrix: Solid
Analysis Batch: 156863

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.1010		mg/Kg		101	13 - 150
Benzene	0.0500	0.04989		mg/Kg		100	70 - 131
Bromoform	0.0500	0.04391		mg/Kg		88	43 - 150
Bromomethane	0.0500	0.05401		mg/Kg		108	37 - 147
2-Butanone (MEK)	0.100	0.09105		mg/Kg		91	33 - 150
Carbon disulfide	0.0500	0.03912		mg/Kg		78	51 - 141
Carbon tetrachloride	0.0500	0.04166		mg/Kg		83	58 - 130
Chlorobenzene	0.0500	0.03929		mg/Kg		79	63 - 131
Chlorobromomethane	0.0500	0.04788		mg/Kg		96	70 - 132
Chloroethane	0.0500	0.05638		mg/Kg		113	40 - 150
Chloroform	0.0500	0.04962		mg/Kg		99	69 - 130
Chloromethane	0.0500	0.05186		mg/Kg		104	44 - 141
cis-1,2-Dichloroethene	0.0500	0.04859		mg/Kg		97	70 - 130
Dibromochloromethane	0.0500	0.03862		mg/Kg		77	65 - 134
1,1-Dichloroethane	0.0500	0.04802		mg/Kg		96	63 - 140
1,2-Dichloroethane	0.0500	0.04760		mg/Kg		95	58 - 137
cis-1,3-Dichloropropene	0.0500	0.04067		mg/Kg		81	65 - 130
1,1-Dichloroethene	0.0500	0.04481		mg/Kg		90	62 - 142
1,2-Dichloropropane	0.0500	0.05160		mg/Kg		103	70 - 130
Ethylbenzene	0.0500	0.03936		mg/Kg		79	66 - 130
2-Hexanone	0.100	0.07824		mg/Kg		78	35 - 150
Methylene Chloride	0.0500	0.05040		mg/Kg		101	61 - 150
4-Methyl-2-pentanone (MIBK)	0.100	0.09899		mg/Kg		99	21 - 150
Styrene	0.0500	0.03895		mg/Kg		78	65 - 133
1,1,2,2-Tetrachloroethane	0.0500	0.04671		mg/Kg		93	61 - 138
Tetrachloroethene	0.0500	0.03505		mg/Kg		70	43 - 143
Toluene	0.0500	0.03966		mg/Kg		79	67 - 130
o-Xylene	0.0500	0.04067		mg/Kg		81	62 - 130
m-Xylene & p-Xylene	0.0500	0.04018		mg/Kg		80	64 - 130
trans-1,2-Dichloroethene	0.0500	0.04573		mg/Kg		91	69 - 130
trans-1,3-Dichloropropene	0.0500	0.04054		mg/Kg		81	70 - 130
1,1,1-Trichloroethane	0.0500	0.04329		mg/Kg		87	59 - 130
1,1,2-Trichloroethane	0.0500	0.03926	J	mg/Kg		79	67 - 134
Trichloroethene	0.0500	0.04687		mg/Kg		94	63 - 135
Vinyl acetate	0.100	0.1034		mg/Kg		103	40 - 150
Bromodichloromethane	0.0500	0.04940		mg/Kg		99	67 - 138
Vinyl chloride	0.0500	0.05644		mg/Kg		113	40 - 148
1,2-Dichloroethene, Total	0.100	0.09432		mg/Kg		94	70 - 130
Xylenes, Total	0.100	0.08085		mg/Kg		81	63 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*78*		*50 - 130*
Dibromofluoromethane	*98*		*68 - 140*
4-Bromofluorobenzene	*93*		*57 - 140*
1,2-Dichloroethane-d4 (Surr)	*105*		*61 - 130*

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

Lab Sample ID: LCSD 600-156863/4
Matrix: Solid
Analysis Batch: 156863

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.100	0.1099		mg/Kg		110	13 - 150	8	30
Benzene	0.0500	0.05041		mg/Kg		101	70 - 131	1	30
Bromoform	0.0500	0.04548		mg/Kg		91	43 - 150	4	30
Bromomethane	0.0500	0.05697		mg/Kg		114	37 - 147	5	30
2-Butanone (MEK)	0.100	0.1008		mg/Kg		101	33 - 150	10	30
Carbon disulfide	0.0500	0.03986		mg/Kg		80	51 - 141	2	30
Carbon tetrachloride	0.0500	0.04172		mg/Kg		83	58 - 130	0	30
Chlorobenzene	0.0500	0.04342		mg/Kg		87	63 - 131	10	30
Chlorobromomethane	0.0500	0.04913		mg/Kg		98	70 - 132	3	30
Chloroethane	0.0500	0.05716		mg/Kg		114	40 - 150	1	30
Chloroform	0.0500	0.05013		mg/Kg		100	69 - 130	1	30
Chloromethane	0.0500	0.05424		mg/Kg		108	44 - 141	4	30
cis-1,2-Dichloroethene	0.0500	0.04870		mg/Kg		97	70 - 130	0	30
Dibromochloromethane	0.0500	0.04333		mg/Kg		87	65 - 134	11	30
1,1-Dichloroethane	0.0500	0.04872		mg/Kg		97	63 - 140	1	30
1,2-Dichloroethane	0.0500	0.04891		mg/Kg		98	58 - 137	3	30
cis-1,3-Dichloropropene	0.0500	0.04514		mg/Kg		90	65 - 130	10	30
1,1-Dichloroethene	0.0500	0.04395		mg/Kg		88	62 - 142	2	30
1,2-Dichloropropane	0.0500	0.05246		mg/Kg		105	70 - 130	2	30
Ethylbenzene	0.0500	0.04394		mg/Kg		88	66 - 130	11	30
2-Hexanone	0.100	0.09342		mg/Kg		93	35 - 150	18	30
Methylene Chloride	0.0500	0.05072		mg/Kg		101	61 - 150	1	30
4-Methyl-2-pentanone (MIBK)	0.100	0.1084		mg/Kg		108	21 - 150	9	30
Styrene	0.0500	0.04282		mg/Kg		86	65 - 133	9	30
1,1,2,2-Tetrachloroethane	0.0500	0.04843		mg/Kg		97	61 - 138	4	30
Tetrachloroethene	0.0500	0.04010		mg/Kg		80	43 - 143	13	30
Toluene	0.0500	0.04340		mg/Kg		87	67 - 130	9	30
o-Xylene	0.0500	0.04488		mg/Kg		90	62 - 130	10	30
m-Xylene & p-Xylene	0.0500	0.04358		mg/Kg		87	64 - 130	8	30
trans-1,2-Dichloroethene	0.0500	0.04708		mg/Kg		94	69 - 130	3	30
trans-1,3-Dichloropropene	0.0500	0.04580		mg/Kg		92	70 - 130	12	30
1,1,1-Trichloroethane	0.0500	0.04332		mg/Kg		87	59 - 130	0	30
1,1,2-Trichloroethane	0.0500	0.04442		mg/Kg		89	67 - 134	12	30
Trichloroethene	0.0500	0.04715		mg/Kg		94	63 - 135	1	30
Vinyl acetate	0.100	0.1066		mg/Kg		107	40 - 150	3	30
Bromodichloromethane	0.0500	0.05189		mg/Kg		104	67 - 138	5	30
Vinyl chloride	0.0500	0.05578		mg/Kg		112	40 - 148	1	30
1,2-Dichloroethene, Total	0.100	0.09578		mg/Kg		96	70 - 130	2	30
Xylenes, Total	0.100	0.08846		mg/Kg		88	63 - 130	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*85*		*50 - 130*
Dibromofluoromethane	*99*		*68 - 140*
4-Bromofluorobenzene	*93*		*57 - 140*
1,2-Dichloroethane-d4 (Surr)	*108*		*61 - 130*

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

Lab Sample ID: LB 560-113358/1-A
Matrix: Solid
Analysis Batch: 113408

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00165	U	0.0500	0.00165	mg/L			03/03/15 11:43	5
Carbon tetrachloride	0.00126	U	0.0250	0.00126	mg/L			03/03/15 11:43	5
Chlorobenzene	0.000680	U	0.0250	0.000680	mg/L			03/03/15 11:43	5
Chloroform	0.00100	U	0.0250	0.00100	mg/L			03/03/15 11:43	5
1,2-Dichloroethane	0.000800	U	0.0250	0.000800	mg/L			03/03/15 11:43	5
1,1-Dichloroethene	0.00150	U	0.0250	0.00150	mg/L			03/03/15 11:43	5
2-Butanone (MEK)	0.00500	U	0.100	0.00500	mg/L			03/03/15 11:43	5
Tetrachloroethene	0.000945	U	0.0250	0.000945	mg/L			03/03/15 11:43	5
Trichloroethene	0.00159	U	0.0250	0.00159	mg/L			03/03/15 11:43	5
Vinyl chloride	0.00150	U	0.0250	0.00150	mg/L			03/03/15 11:43	5

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*03/03/15 11:43*	*5*
Toluene-d8 (Surr)	*95*		*70 - 130*		*03/03/15 11:43*	*5*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/03/15 11:43*	*5*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*03/03/15 11:43*	*5*

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

Lab Sample ID: MB 600-156523/1-A
Matrix: Solid
Analysis Batch: 156579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.189	U	0.330	0.189	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Acenaphthylene	0.192	U	0.330	0.192	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Anthracene	0.207	U	0.330	0.207	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Benzidine	0.00901	U	1.60	0.00901	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Benzo[a]anthracene	0.207	U	0.330	0.207	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Benzo[b]fluoranthene	0.0193	U	0.330	0.0193	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Benzo[k]fluoranthene	0.0294	U	0.330	0.0294	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Benzo[g,h,i]perylene	0.175	U	0.330	0.175	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Benzo[a]pyrene	0.185	U	0.330	0.185	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Bis(2-chloroethoxy)methane	0.186	U	0.330	0.186	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Bis(2-chloroethyl)ether	0.0330	U	0.330	0.0330	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Bis(2-ethylhexyl) phthalate	0.200	U	0.330	0.200	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
4-Bromophenyl phenyl ether	0.200	U	0.330	0.200	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Butyl benzyl phthalate	0.201	U	0.330	0.201	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
4-Chloroaniline	0.0659	U	0.330	0.0659	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
2-Chloronaphthalene	0.215	U	0.330	0.215	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
4-Chlorophenyl phenyl ether	0.198	U	0.330	0.198	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Carbazole	0.204	U	0.330	0.204	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Chrysene	0.202	U	0.330	0.202	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Di-n-butyl phthalate	0.213	U	0.330	0.213	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Dibenz(a,h)anthracene	0.190	U	0.330	0.190	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Dibenzofuran	0.197	U	0.330	0.197	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
1,2-Dichlorobenzene	0.0263	U	0.330	0.0263	mg/Kg		02/23/15 10:50	02/24/15 10:37	1

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

Lab Sample ID: MB 600-156523/1-A
Matrix: Solid
Analysis Batch: 156579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.178	U	0.330	0.178	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
1,4-Dichlorobenzene	0.0230	U	0.330	0.0230	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
3,3'-Dichlorobenzidine	0.0635	U	0.660	0.0635	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Diethyl phthalate	0.204	U	0.330	0.204	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Dimethyl phthalate	0.200	U	0.330	0.200	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
2,4-Dinitrotoluene	0.0329	U	0.330	0.0329	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
2,6-Dinitrotoluene	0.210	U	0.330	0.210	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Di-n-octyl phthalate	0.213	U	0.330	0.213	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Fluoranthene	0.211	U	0.330	0.211	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Fluorene	0.203	U	0.330	0.203	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Hexachlorobenzene	0.208	U	0.330	0.208	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Hexachlorocyclopentadiene	0.0223	U	0.330	0.0223	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Hexachloroethane	0.0299	U	0.330	0.0299	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Hexachlorobutadiene	0.0339	U	0.330	0.0339	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Indeno[1,2,3-cd]pyrene	0.181	U	0.330	0.181	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Isophorone	0.194	U	0.330	0.194	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
2-Methylnaphthalene	0.189	U	0.330	0.189	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Naphthalene	0.0193	U	0.330	0.0193	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
2-Nitroaniline	0.194	U	1.60	0.194	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
3-Nitroaniline	0.211	U	1.60	0.211	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
4-Nitroaniline	0.180	U	1.60	0.180	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Nitrobenzene	0.0474	U	0.330	0.0474	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
N-Nitrosodimethylamine	0.0954	U	0.330	0.0954	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
N-Nitrosodiphenylamine	0.0315	U	0.330	0.0315	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
N-Nitrosodi-n-propylamine	0.0286	U	0.330	0.0286	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Phenanthrene	0.203	U	0.330	0.203	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Pyrene	0.221	U	0.330	0.221	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
1,2,4-Trichlorobenzene	0.210	U	0.330	0.210	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Benzyl alcohol	0.0623	U	0.330	0.0623	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
4-Chloro-3-methylphenol	0.192	U	0.330	0.192	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
2-Chlorophenol	0.0233	U	0.330	0.0233	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
2-Methylphenol	0.0378	U	0.330	0.0378	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
3 & 4 Methylphenol	0.0300	U	0.660	0.0300	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
2,4-Dichlorophenol	0.183	U	0.330	0.183	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
2,4-Dimethylphenol	0.0636	U	0.330	0.0636	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
4,6-Dinitro-2-methylphenol	0.206	U	1.60	0.206	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
2,4-Dinitrophenol	0.128	U	1.60	0.128	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
2-Nitrophenol	0.180	U	0.330	0.180	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
4-Nitrophenol	0.180	U	1.60	0.180	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Pentachlorophenol	0.0221	U	1.60	0.0221	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
Phenol	0.0373	U	0.330	0.0373	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
2,4,5-Trichlorophenol	0.0620	U	0.330	0.0620	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
2,4,6-Trichlorophenol	0.180	U	0.330	0.180	mg/Kg		02/23/15 10:50	02/24/15 10:37	1
bis (2-Chloroisopropyl) ether	0.0346	U	0.330	0.0346	mg/Kg		02/23/15 10:50	02/24/15 10:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*78*		*10 - 150*	*02/23/15 10:50*	*02/24/15 10:37*	*1*
2-Fluorophenol	*79*		*25 - 132*	*02/23/15 10:50*	*02/24/15 10:37*	*1*

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

Lab Sample ID: MB 600-156523/1-A
Matrix: Solid
Analysis Batch: 156579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156523

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	90		38 - 130	02/23/15 10:50	02/24/15 10:37	1
2,4,6-Tribromophenol	48		10 - 148	02/23/15 10:50	02/24/15 10:37	1
Terphenyl-d14	99		53 - 134	02/23/15 10:50	02/24/15 10:37	1
Phenol-d5 (Surr)	73		27 - 123	02/23/15 10:50	02/24/15 10:37	1

Lab Sample ID: LCS 600-156523/2-A
Matrix: Solid
Analysis Batch: 156579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	3.33	2.881		mg/Kg		87	58 - 130
Acenaphthylene	3.33	2.938		mg/Kg		88	56 - 130
Anthracene	3.33	2.930		mg/Kg		88	58 - 130
Benzidine	6.65	0.5586	J *	mg/Kg		8	10 - 135
Benzo[a]anthracene	3.33	2.970		mg/Kg		89	49 - 130
Benzo[b]fluoranthene	3.33	2.951		mg/Kg		89	58 - 130
Benzo[k]fluoranthene	3.33	3.093		mg/Kg		93	56 - 130
Benzo[g,h,i]perylene	3.33	3.484		mg/Kg		105	49 - 135
Benzo[a]pyrene	3.33	2.966		mg/Kg		89	58 - 130
Bis(2-chloroethoxy)methane	3.33	2.598		mg/Kg		78	49 - 130
Bis(2-chloroethyl)ether	3.33	2.584		mg/Kg		78	44 - 130
Bis(2-ethylhexyl) phthalate	3.33	3.097		mg/Kg		93	47 - 133
4-Bromophenyl phenyl ether	3.33	2.801		mg/Kg		84	56 - 130
Butyl benzyl phthalate	3.33	3.004		mg/Kg		90	43 - 135
4-Chloroaniline	3.33	1.514		mg/Kg		45	42 - 130
2-Chloronaphthalene	3.33	2.744		mg/Kg		82	51 - 130
4-Chlorophenyl phenyl ether	3.33	2.904		mg/Kg		87	57 - 130
Carbazole	3.33	2.808		mg/Kg		84	47 - 131
Chrysene	3.33	2.921		mg/Kg		88	50 - 130
Di-n-butyl phthalate	3.33	3.148		mg/Kg		95	54 - 130
Dibenz(a,h)anthracene	3.33	3.109		mg/Kg		93	48 - 130
Dibenzofuran	3.33	2.955		mg/Kg		89	58 - 130
1,2-Dichlorobenzene	3.33	2.697		mg/Kg		81	44 - 130
1,3-Dichlorobenzene	3.33	2.688		mg/Kg		81	43 - 130
1,4-Dichlorobenzene	3.33	2.624		mg/Kg		79	46 - 130
3,3'-Dichlorobenzidine	3.33	2.122		mg/Kg		64	41 - 130
Diethyl phthalate	3.33	3.052		mg/Kg		92	55 - 130
Dimethyl phthalate	3.33	2.932		mg/Kg		88	58 - 130
2,4-Dinitrotoluene	3.33	2.881		mg/Kg		87	53 - 130
2,6-Dinitrotoluene	3.33	2.806		mg/Kg		84	53 - 130
Di-n-octyl phthalate	3.33	3.129		mg/Kg		94	45 - 135
Fluoranthene	3.33	3.041		mg/Kg		91	56 - 130
Fluorene	3.33	2.925		mg/Kg		88	52 - 147
Hexachlorobenzene	3.33	2.853		mg/Kg		86	59 - 130
Hexachlorocyclopentadiene	3.33	2.180		mg/Kg		66	33 - 130
Hexachloroethane	3.33	2.559		mg/Kg		77	36 - 130
Hexachlorobutadiene	3.33	2.805		mg/Kg		84	49 - 130
Indeno[1,2,3-cd]pyrene	3.33	3.418		mg/Kg		103	41 - 130

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

Lab Sample ID: LCS 600-156523/2-A
Matrix: Solid
Analysis Batch: 156579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isophorone	3.33	2.619		mg/Kg		79	49 - 130
2-Methylnaphthalene	3.33	3.119		mg/Kg		94	54 - 130
Naphthalene	3.33	2.944		mg/Kg		88	49 - 130
2-Nitroaniline	3.33	2.777		mg/Kg		83	49 - 149
3-Nitroaniline	3.33	2.479		mg/Kg		75	45 - 133
4-Nitroaniline	3.33	3.656		mg/Kg		110	48 - 139
Nitrobenzene	3.33	2.598		mg/Kg		78	47 - 130
N-Nitrosodimethylamine	3.33	2.550		mg/Kg		77	29 - 130
N-Nitrosodiphenylamine	6.65	5.793		mg/Kg		87	47 - 130
N-Nitrosodi-n-propylamine	3.33	2.724		mg/Kg		82	43 - 130
Phenanthrene	3.33	2.937		mg/Kg		88	58 - 130
Pyrene	3.33	2.915		mg/Kg		88	48 - 131
1,2,4-Trichlorobenzene	3.33	2.790		mg/Kg		84	45 - 130
Benzyl alcohol	3.33	2.675		mg/Kg		80	25 - 141
4-Chloro-3-methylphenol	3.33	2.825		mg/Kg		85	54 - 130
2-Chlorophenol	3.33	2.578		mg/Kg		78	48 - 130
2-Methylphenol	3.33	2.123		mg/Kg		64	46 - 130
3 & 4 Methylphenol	3.33	2.343		mg/Kg		70	44 - 130
2,4-Dichlorophenol	3.33	2.463		mg/Kg		74	56 - 130
2,4-Dimethylphenol	3.33	2.395		mg/Kg		72	46 - 130
4,6-Dinitro-2-methylphenol	6.65	5.470		mg/Kg		82	45 - 130
2,4-Dinitrophenol	6.65	5.241		mg/Kg		79	25 - 130
2-Nitrophenol	3.33	2.690		mg/Kg		81	50 - 130
4-Nitrophenol	6.65	4.951		mg/Kg		74	20 - 132
Pentachlorophenol	6.65	4.878		mg/Kg		73	34 - 130
Phenol	3.33	2.132		mg/Kg		64	33 - 130
2,4,5-Trichlorophenol	3.33	2.850		mg/Kg		86	59 - 136
2,4,6-Trichlorophenol	3.33	2.772		mg/Kg		83	59 - 134
bis (2-Chloroisopropyl) ether	3.33	2.564		mg/Kg		77	39 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*81*		*10 - 150*
2-Fluorophenol	*80*		*25 - 132*
2-Fluorobiphenyl	*84*		*38 - 130*
2,4,6-Tribromophenol	*92*		*10 - 148*
Terphenyl-d14	*91*		*53 - 134*
Phenol-d5 (Surr)	*68*		*27 - 123*

Lab Sample ID: MB 600-156603/1-A
Matrix: Waste
Analysis Batch: 156579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156603

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	5.40	U	9.43	5.40	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Acenaphthylene	5.50	U	9.43	5.50	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Anthracene	5.92	U	9.43	5.92	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Benzidine	23.6	U	94.3	23.6	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Benzo[a]anthracene	5.92	U	9.43	5.92	mg/Kg		02/24/15 10:46	02/24/15 13:14	1

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

Lab Sample ID: MB 600-156603/1-A
Matrix: Waste
Analysis Batch: 156579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156603

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.553	U	9.43	0.553	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Benzo[k]fluoranthene	0.840	U	9.43	0.840	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Benzo[g,h,i]perylene	5.01	U	9.43	5.01	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Benzo[a]pyrene	5.29	U	9.43	5.29	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Bis(2-chloroethoxy)methane	5.32	U	9.43	5.32	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Bis(2-chloroethyl)ether	0.942	U	9.43	0.942	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Bis(2-ethylhexyl) phthalate	5.72	U	9.43	5.72	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
4-Bromophenyl phenyl ether	5.71	U	9.43	5.71	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Butyl benzyl phthalate	5.73	U	9.43	5.73	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
4-Chloroaniline	1.89	U	9.43	1.89	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
2-Chloronaphthalene	6.14	U	9.43	6.14	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
4-Chlorophenyl phenyl ether	5.67	U	9.43	5.67	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Carbazole	5.82	U	9.43	5.82	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Chrysene	5.76	U	9.43	5.76	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Di-n-butyl phthalate	6.08	U	9.43	6.08	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Dibenz(a,h)anthracene	5.42	U	9.43	5.42	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Dibenzofuran	5.62	U	9.43	5.62	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
1,2-Dichlorobenzene	0.751	U	9.43	0.751	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
1,3-Dichlorobenzene	5.09	U	9.43	5.09	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
1,4-Dichlorobenzene	0.659	U	9.43	0.659	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
3,3'-Dichlorobenzidine	1.82	U	18.9	1.82	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Diethyl phthalate	5.83	U	9.43	5.83	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Dimethyl phthalate	5.71	U	9.43	5.71	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
2,4-Dinitrotoluene	0.940	U	9.43	0.940	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
2,6-Dinitrotoluene	5.99	U	9.43	5.99	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Di-n-octyl phthalate	6.10	U	9.43	6.10	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Fluoranthene	6.02	U	9.43	6.02	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Fluorene	5.81	U	9.43	5.81	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Hexachlorobenzene	5.95	U	9.43	5.95	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Hexachlorocyclopentadiene	0.636	U	9.43	0.636	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Hexachloroethane	0.855	U	9.43	0.855	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Hexachlorobutadiene	0.969	U	9.43	0.969	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Indeno[1,2,3-cd]pyrene	5.17	U	9.43	5.17	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Isophorone	5.54	U	9.43	5.54	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
2-Methylnaphthalene	5.40	U	9.43	5.40	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Naphthalene	0.551	U	9.43	0.551	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
2-Nitroaniline	5.56	U	45.7	5.56	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
3-Nitroaniline	6.05	U	45.7	6.05	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
4-Nitroaniline	5.15	U	45.7	5.15	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Nitrobenzene	1.35	U	9.43	1.35	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
N-Nitrosodimethylamine	2.73	U	9.43	2.73	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
N-Nitrosodiphenylamine	0.901	U	9.43	0.901	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
N-Nitrosodi-n-propylamine	0.817	U	9.43	0.817	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Phenanthrene	5.80	U	9.43	5.80	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Pyrene	6.31	U	9.43	6.31	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
1,2,4-Trichlorobenzene	6.02	U	9.43	6.02	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Benzyl alcohol	1.78	U	9.43	1.78	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
4-Chloro-3-methylphenol	5.49	U	9.43	5.49	mg/Kg		02/24/15 10:46	02/24/15 13:14	1

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

Lab Sample ID: MB 600-156603/1-A
Matrix: Waste
Analysis Batch: 156579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156603

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	0.666	U	9.43	0.666	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
2-Methylphenol	1.08	U	9.43	1.08	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
3 & 4 Methylphenol	0.859	U	18.9	0.859	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
2,4-Dichlorophenol	5.22	U	9.43	5.22	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
2,4-Dimethylphenol	1.82	U	9.43	1.82	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
4,6-Dinitro-2-methylphenol	5.90	U	45.7	5.90	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
2,4-Dinitrophenol	3.66	U	45.7	3.66	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
2-Nitrophenol	5.14	U	9.43	5.14	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
4-Nitrophenol	5.14	U	45.7	5.14	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Pentachlorophenol	0.632	U	45.7	0.632	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
Phenol	1.07	U	9.43	1.07	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
2,4,5-Trichlorophenol	1.77	U	9.43	1.77	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
2,4,6-Trichlorophenol	5.15	U	9.43	5.15	mg/Kg		02/24/15 10:46	02/24/15 13:14	1
bis (2-Chloroisopropyl) ether	0.989	U	9.43	0.989	mg/Kg		02/24/15 10:46	02/24/15 13:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*85*		*46 - 130*	*02/24/15 10:46*	*02/24/15 13:14*	*1*
2-Fluorophenol	*89*		*45 - 130*	*02/24/15 10:46*	*02/24/15 13:14*	*1*
2-Fluorobiphenyl	*96*		*42 - 130*	*02/24/15 10:46*	*02/24/15 13:14*	*1*
2,4,6-Tribromophenol	*99*		*25 - 130*	*02/24/15 10:46*	*02/24/15 13:14*	*1*
Terphenyl-d14	*94*		*51 - 130*	*02/24/15 10:46*	*02/24/15 13:14*	*1*
Phenol-d5 (Surr)	*81*		*48 - 130*	*02/24/15 10:46*	*02/24/15 13:14*	*1*

Lab Sample ID: LCS 600-156603/2-A
Matrix: Waste
Analysis Batch: 156579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	42.62		mg/Kg		85	60 - 130
Acenaphthylene	50.0	43.56		mg/Kg		87	61 - 130
Anthracene	50.0	44.48		mg/Kg		89	69 - 130
Benzidine	100	28.30	J	mg/Kg		28	10 - 150
Benzo[a]anthracene	50.0	42.74		mg/Kg		85	70 - 130
Benzo[b]fluoranthene	50.0	43.68		mg/Kg		87	61 - 130
Benzo[k]fluoranthene	50.0	47.70		mg/Kg		95	70 - 130
Benzo[g,h,i]perylene	50.0	47.98		mg/Kg		96	56 - 130
Benzo[a]pyrene	50.0	42.51		mg/Kg		85	70 - 130
Bis(2-chloroethoxy)methane	50.0	38.20		mg/Kg		76	58 - 130
Bis(2-chloroethyl)ether	50.0	36.03		mg/Kg		72	53 - 130
Bis(2-ethylhexyl) phthalate	50.0	43.95		mg/Kg		88	57 - 130
4-Bromophenyl phenyl ether	50.0	41.71		mg/Kg		83	66 - 130
Butyl benzyl phthalate	50.0	42.13		mg/Kg		84	57 - 130
4-Chloroaniline	50.0	32.97		mg/Kg		66	63 - 130
2-Chloronaphthalene	50.0	40.78		mg/Kg		82	60 - 130
4-Chlorophenyl phenyl ether	50.0	43.27		mg/Kg		87	67 - 130
Carbazole	50.0	44.31		mg/Kg		89	61 - 130
Chrysene	50.0	42.48		mg/Kg		85	67 - 130
Di-n-butyl phthalate	50.0	46.09		mg/Kg		92	61 - 130

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

Lab Sample ID: LCS 600-156603/2-A
Matrix: Waste
Analysis Batch: 156579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	50.0	42.38		mg/Kg		85	60 - 130
Dibenzofuran	50.0	43.73		mg/Kg		87	66 - 130
1,2-Dichlorobenzene	50.0	35.95		mg/Kg		72	59 - 130
1,3-Dichlorobenzene	50.0	34.29		mg/Kg		69	58 - 130
1,4-Dichlorobenzene	50.0	33.81		mg/Kg		68	59 - 130
3,3'-Dichlorobenzidine	50.0	39.00		mg/Kg		78	64 - 130
Diethyl phthalate	50.0	44.18		mg/Kg		88	62 - 130
Dimethyl phthalate	50.0	43.38		mg/Kg		87	66 - 130
2,4-Dinitrotoluene	50.0	42.39		mg/Kg		85	66 - 130
2,6-Dinitrotoluene	50.0	41.89		mg/Kg		84	65 - 130
Di-n-octyl phthalate	50.0	44.15		mg/Kg		88	58 - 130
Fluoranthene	50.0	45.24		mg/Kg		90	68 - 130
Fluorene	50.0	43.48		mg/Kg		87	67 - 130
Hexachlorobenzene	50.0	43.30		mg/Kg		87	64 - 130
Hexachlorocyclopentadiene	50.0	28.46		mg/Kg		57	10 - 130
Hexachloroethane	50.0	33.38		mg/Kg		67	49 - 130
Hexachlorobutadiene	50.0	39.60		mg/Kg		79	52 - 130
Indeno[1,2,3-cd]pyrene	50.0	47.62		mg/Kg		95	49 - 130
Isophorone	50.0	36.43		mg/Kg		73	57 - 130
2-Methylnaphthalene	50.0	45.33		mg/Kg		91	66 - 130
Naphthalene	50.0	41.45		mg/Kg		83	63 - 130
2-Nitroaniline	50.0	41.43	J	mg/Kg		83	56 - 132
3-Nitroaniline	50.0	42.52	J	mg/Kg		85	65 - 130
4-Nitroaniline	50.0	43.06	J	mg/Kg		86	59 - 133
Nitrobenzene	50.0	36.74		mg/Kg		73	41 - 140
N-Nitrosodimethylamine	50.0	35.15		mg/Kg		70	53 - 139
N-Nitrosodiphenylamine	100	84.96		mg/Kg		85	70 - 130
N-Nitrosodi-n-propylamine	50.0	37.53		mg/Kg		75	54 - 142
Phenanthrene	50.0	43.85		mg/Kg		88	68 - 130
Pyrene	50.0	42.16		mg/Kg		84	64 - 130
1,2,4-Trichlorobenzene	50.0	38.70		mg/Kg		77	59 - 130
Benzyl alcohol	50.0	33.11		mg/Kg		66	58 - 130
4-Chloro-3-methylphenol	50.0	41.94		mg/Kg		84	62 - 130
2-Chlorophenol	50.0	38.12		mg/Kg		76	60 - 130
2-Methylphenol	50.0	33.89		mg/Kg		68	64 - 130
3 & 4 Methylphenol	50.0	34.54		mg/Kg		69	65 - 130
2,4-Dichlorophenol	50.0	37.41		mg/Kg		75	66 - 130
2,4-Dimethylphenol	50.0	35.51		mg/Kg		71	56 - 130
4,6-Dinitro-2-methylphenol	100	84.46		mg/Kg		84	29 - 132
2,4-Dinitrophenol	100	84.97		mg/Kg		85	10 - 147
2-Nitrophenol	50.0	38.96		mg/Kg		78	63 - 130
4-Nitrophenol	100	76.28		mg/Kg		76	23 - 137
Pentachlorophenol	100	80.61		mg/Kg		81	27 - 130
Phenol	50.0	33.80		mg/Kg		68	61 - 130
2,4,5-Trichlorophenol	50.0	42.47		mg/Kg		85	58 - 130
2,4,6-Trichlorophenol	50.0	41.19		mg/Kg		82	60 - 130
bis (2-Chloroisopropyl) ether	50.0	35.98		mg/Kg		72	41 - 130

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

Lab Sample ID: LCS 600-156603/2-A
Matrix: Waste
Analysis Batch: 156579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156603

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*77*		*46 - 130*
2-Fluorophenol	*79*		*45 - 130*
2-Fluorobiphenyl	*84*		*42 - 130*
2,4,6-Tribromophenol	*92*		*25 - 130*
Terphenyl-d14	*87*		*51 - 130*
Phenol-d5 (Surr)	*72*		*48 - 130*

Lab Sample ID: MB 600-156643/1-A
Matrix: Solid
Analysis Batch: 156670

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 156643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	0.00216	U	0.0100	0.00216	mg/L		02/24/15 15:59	02/25/15 09:39	1
1,4-Dichlorobenzene	0.00178	U	0.0100	0.00178	mg/L		02/24/15 15:59	02/25/15 09:39	1
2,4-Dinitrotoluene	0.00263	U	0.0100	0.00263	mg/L		02/24/15 15:59	02/25/15 09:39	1
Hexachlorobenzene	0.00259	U	0.0100	0.00259	mg/L		02/24/15 15:59	02/25/15 09:39	1
Hexachloroethane	0.00220	U	0.0100	0.00220	mg/L		02/24/15 15:59	02/25/15 09:39	1
Hexachlorobutadiene	0.00212	U	0.0100	0.00212	mg/L		02/24/15 15:59	02/25/15 09:39	1
Nitrobenzene	0.00248	U	0.0100	0.00248	mg/L		02/24/15 15:59	02/25/15 09:39	1
2-Methylphenol	0.00181	U	0.0100	0.00181	mg/L		02/24/15 15:59	02/25/15 09:39	1
3 & 4 Methylphenol	0.00188	U	0.0200	0.00188	mg/L		02/24/15 15:59	02/25/15 09:39	1
Pentachlorophenol	0.00462	U	0.0500	0.00462	mg/L		02/24/15 15:59	02/25/15 09:39	1
2,4,5-Trichlorophenol	0.00271	U	0.0100	0.00271	mg/L		02/24/15 15:59	02/25/15 09:39	1
2,4,6-Trichlorophenol	0.00259	U	0.0100	0.00259	mg/L		02/24/15 15:59	02/25/15 09:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*78*		*35 - 130*	*02/24/15 15:59*	*02/25/15 09:39*	*1*
2-Fluorophenol	*78*		*10 - 130*	*02/24/15 15:59*	*02/25/15 09:39*	*1*
2-Fluorobiphenyl	*92*		*41 - 130*	*02/24/15 15:59*	*02/25/15 09:39*	*1*
2,4,6-Tribromophenol	*81*		*12 - 138*	*02/24/15 15:59*	*02/25/15 09:39*	*1*
Terphenyl-d14	*92*		*43 - 130*	*02/24/15 15:59*	*02/25/15 09:39*	*1*
Phenol-d5	*75*		*10 - 130*	*02/24/15 15:59*	*02/25/15 09:39*	*1*
Phenol-d5 (Surr)	*75*		*10 - 130*	*02/24/15 15:59*	*02/25/15 09:39*	*1*

Lab Sample ID: LCS 600-156643/2-A
Matrix: Solid
Analysis Batch: 156670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 156643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyridine	0.0500	0.03581		mg/L		72	10 - 130
1,4-Dichlorobenzene	0.0500	0.04005		mg/L		80	57 - 130
2,4-Dinitrotoluene	0.0500	0.04072		mg/L		81	60 - 130
Hexachlorobenzene	0.0500	0.04208		mg/L		84	61 - 130
Hexachloroethane	0.0500	0.03871		mg/L		77	52 - 130
Hexachlorobutadiene	0.0500	0.04186		mg/L		84	52 - 130
Nitrobenzene	0.0500	0.03893		mg/L		78	55 - 130
2-Methylphenol	0.0500	0.03801		mg/L		76	39 - 130
3 & 4 Methylphenol	0.0500	0.03849		mg/L		77	29 - 130

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

Lab Sample ID: LCS 600-156643/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156670 — **Prep Batch: 156643**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pentachlorophenol	0.100	0.07042		mg/L		70	29 - 141
2,4,5-Trichlorophenol	0.0500	0.04083		mg/L		82	51 - 130
2,4,6-Trichlorophenol	0.0500	0.04054		mg/L		81	49 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*78*		*35 - 130*
2-Fluorophenol	*78*		*10 - 130*
2-Fluorobiphenyl	*85*		*41 - 130*
2,4,6-Tribromophenol	*81*		*12 - 138*
Terphenyl-d14	*88*		*43 - 130*
Phenol-d5	*78*		*10 - 130*
Phenol-d5 (Surr)	*78*		*10 - 130*

Lab Sample ID: LB 600-156591/1-B — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: TCLP**
Analysis Batch: 156670 — **Prep Batch: 156643**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	0.0108	U	0.0500	0.0108	mg/L		02/24/15 18:35	02/25/15 15:59	1
1,4-Dichlorobenzene	0.00890	U	0.0500	0.00890	mg/L		02/24/15 18:35	02/25/15 15:59	1
2,4-Dinitrotoluene	0.0132	U	0.0500	0.0132	mg/L		02/24/15 18:35	02/25/15 15:59	1
Hexachlorobenzene	0.0130	U	0.0500	0.0130	mg/L		02/24/15 18:35	02/25/15 15:59	1
Hexachloroethane	0.0110	U	0.0500	0.0110	mg/L		02/24/15 18:35	02/25/15 15:59	1
Hexachlorobutadiene	0.0106	U	0.0500	0.0106	mg/L		02/24/15 18:35	02/25/15 15:59	1
Nitrobenzene	0.0124	U	0.0500	0.0124	mg/L		02/24/15 18:35	02/25/15 15:59	1
2-Methylphenol	0.00905	U	0.0500	0.00905	mg/L		02/24/15 18:35	02/25/15 15:59	1
3 & 4 Methylphenol	0.00940	U	0.100	0.00940	mg/L		02/24/15 18:35	02/25/15 15:59	1
Pentachlorophenol	0.0231	U	0.250	0.0231	mg/L		02/24/15 18:35	02/25/15 15:59	1
2,4,5-Trichlorophenol	0.0136	U	0.0500	0.0136	mg/L		02/24/15 18:35	02/25/15 15:59	1
2,4,6-Trichlorophenol	0.0129	U	0.0500	0.0129	mg/L		02/24/15 18:35	02/25/15 15:59	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*87*		*35 - 130*	*02/24/15 18:35*	*02/25/15 15:59*	*1*
2-Fluorophenol	*78*		*10 - 130*	*02/24/15 18:35*	*02/25/15 15:59*	*1*
2-Fluorobiphenyl	*100*		*41 - 130*	*02/24/15 18:35*	*02/25/15 15:59*	*1*
2,4,6-Tribromophenol	*90*		*12 - 138*	*02/24/15 18:35*	*02/25/15 15:59*	*1*
Terphenyl-d14	*102*		*43 - 130*	*02/24/15 18:35*	*02/25/15 15:59*	*1*
Phenol-d5 (Surr)	*59*		*10 - 130*	*02/24/15 18:35*	*02/25/15 15:59*	*1*

Lab Sample ID: LB 600-156592/1-D — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 156670 — **Prep Batch: 156643**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	0.0108	U	0.0500	0.0108	mg/L		02/24/15 16:11	02/25/15 12:18	1
1,4-Dichlorobenzene	0.00890	U	0.0500	0.00890	mg/L		02/24/15 16:11	02/25/15 12:18	1
2,4-Dinitrotoluene	0.0132	U	0.0500	0.0132	mg/L		02/24/15 16:11	02/25/15 12:18	1
Hexachlorobenzene	0.0130	U	0.0500	0.0130	mg/L		02/24/15 16:11	02/25/15 12:18	1

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

Lab Sample ID: LB 600-156592/1-D
Matrix: Solid
Analysis Batch: 156670

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 156643

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	0.0110	U	0.0500	0.0110	mg/L		02/24/15 16:11	02/25/15 12:18	1
Hexachlorobutadiene	0.0106	U	0.0500	0.0106	mg/L		02/24/15 16:11	02/25/15 12:18	1
Nitrobenzene	0.0124	U	0.0500	0.0124	mg/L		02/24/15 16:11	02/25/15 12:18	1
2-Methylphenol	0.00905	U	0.0500	0.00905	mg/L		02/24/15 16:11	02/25/15 12:18	1
3 & 4 Methylphenol	0.00940	U	0.100	0.00940	mg/L		02/24/15 16:11	02/25/15 12:18	1
Pentachlorophenol	0.0231	U	0.250	0.0231	mg/L		02/24/15 16:11	02/25/15 12:18	1
2,4,5-Trichlorophenol	0.0136	U	0.0500	0.0136	mg/L		02/24/15 16:11	02/25/15 12:18	1
2,4,6-Trichlorophenol	0.0129	U	0.0500	0.0129	mg/L		02/24/15 16:11	02/25/15 12:18	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*66*		*35 - 130*	*02/24/15 16:11*	*02/25/15 12:18*	*1*
2-Fluorophenol	*58*		*10 - 130*	*02/24/15 16:11*	*02/25/15 12:18*	*1*
2-Fluorobiphenyl	*71*		*41 - 130*	*02/24/15 16:11*	*02/25/15 12:18*	*1*
2,4,6-Tribromophenol	*67*		*12 - 138*	*02/24/15 16:11*	*02/25/15 12:18*	*1*
Terphenyl-d14	*86*		*43 - 130*	*02/24/15 16:11*	*02/25/15 12:18*	*1*
Phenol-d5	*45*		*10 - 130*	*02/24/15 16:11*	*02/25/15 12:18*	*1*
Phenol-d5 (Surr)	*45*		*10 - 130*	*02/24/15 16:11*	*02/25/15 12:18*	*1*

Lab Sample ID: 600-107025-3 MS
Matrix: Solid
Analysis Batch: 156707

Client Sample ID: SAND-COMP6
Prep Type: TCLP
Prep Batch: 156643

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyridine	0.0108	U	0.250	0.1517		mg/L		61	10 - 130
1,4-Dichlorobenzene	0.00890	U	0.250	0.2064		mg/L		83	57 - 130
2,4-Dinitrotoluene	0.0132	U	0.250	0.2107		mg/L		84	60 - 130
Hexachlorobenzene	0.0130	U	0.250	0.2553		mg/L		102	61 - 130
Hexachloroethane	0.0110	U	0.250	0.2081		mg/L		83	52 - 130
Hexachlorobutadiene	0.0106	U	0.250	0.1761		mg/L		70	52 - 130
Nitrobenzene	0.0124	U	0.250	0.2021		mg/L		81	55 - 130
2-Methylphenol	0.00905	U	0.250	0.2152		mg/L		86	39 - 130
3 & 4 Methylphenol	0.00940	U	0.250	0.2048		mg/L		82	29 - 130
Pentachlorophenol	0.0231	U	0.500	0.4459		mg/L		89	29 - 141
2,4,5-Trichlorophenol	0.0136	U	0.250	0.1875		mg/L		75	51 - 130
2,4,6-Trichlorophenol	0.0129	U	0.250	0.2402		mg/L		96	49 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5	*70*		*35 - 130*
2-Fluorophenol	*63*		*10 - 130*
2-Fluorobiphenyl	*86*		*41 - 130*
2,4,6-Tribromophenol	*76*		*12 - 138*
Terphenyl-d14	*88*		*43 - 130*
Phenol-d5	*50*		*10 - 130*
Phenol-d5 (Surr)	*50*		*10 - 130*

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

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

Lab Sample ID: MB 600-156532/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156513 — **Prep Batch: 156532**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.80	U	10.0	3.80	mg/Kg		02/23/15 12:31	02/23/15 14:08	1
>C12-C28	4.06	U	10.0	4.06	mg/Kg		02/23/15 12:31	02/23/15 14:08	1
>C28-C35	4.06	U	10.0	4.06	mg/Kg		02/23/15 12:31	02/23/15 14:08	1
C6-C35	3.80	U	10.0	3.80	mg/Kg		02/23/15 12:31	02/23/15 14:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*70 - 130*	*02/23/15 12:31*	*02/23/15 14:08*	*1*

Lab Sample ID: LCS 600-156532/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156513 — **Prep Batch: 156532**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	250	233.0		mg/Kg		93	75 - 125
>C12-C28	250	234.5		mg/Kg		94	75 - 125
C6-C35	500	467.5		mg/Kg		94	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*96*		*70 - 130*

Lab Sample ID: LCSD 600-156532/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156513 — **Prep Batch: 156532**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C12	250	242.5		mg/Kg		97	75 - 125	4	20
>C12-C28	250	239.8		mg/Kg		96	75 - 125	2	20
C6-C35	500	482.3		mg/Kg		96	75 - 125	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*94*		*70 - 130*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-156683/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156747 — **Prep Batch: 156683**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00328	U	0.0100	0.00328	mg/L		02/25/15 09:47	02/25/15 16:45	1
Barium	0.00220	U	0.0200	0.00220	mg/L		02/25/15 09:47	02/25/15 16:45	1
Cadmium	0.000350	U	0.00500	0.000350	mg/L		02/25/15 09:47	02/25/15 16:45	1
Chromium	0.001600	J	0.0100	0.00155	mg/L		02/25/15 09:47	02/25/15 16:45	1
Lead	0.00290	U	0.0100	0.00290	mg/L		02/25/15 09:47	02/25/15 16:45	1
Selenium	0.00417	U	0.0400	0.00417	mg/L		02/25/15 09:47	02/25/15 16:45	1
Silver	0.00125	U	0.0100	0.00125	mg/L		02/25/15 09:47	02/25/15 16:45	1

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

Lab Sample ID: LCS 600-156683/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156747 — **Prep Batch: 156683**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.033		mg/L		103	80 - 120
Barium	1.00	1.024		mg/L		102	80 - 120
Cadmium	0.500	0.5234		mg/L		105	80 - 120
Chromium	1.00	1.046		mg/L		105	80 - 120
Lead	1.00	1.043		mg/L		104	80 - 120
Selenium	1.00	1.034		mg/L		103	80 - 120
Silver	0.500	0.5294		mg/L		106	80 - 120

Lab Sample ID: MB 490-230143/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230316 — **Prep Batch: 230143**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0984	U	0.984	0.0984	mg/Kg		02/26/15 11:58	02/26/15 17:19	1
Chromium	0.591	U	0.984	0.591	mg/Kg		02/26/15 11:58	02/26/15 17:19	1
Lead	0.492	U	0.984	0.492	mg/Kg		02/26/15 11:58	02/26/15 17:19	1
Silver	0.492	U	0.984	0.492	mg/Kg		02/26/15 11:58	02/26/15 17:19	1
Sodium	98.4	U	197	98.4	mg/Kg		02/26/15 11:58	02/26/15 17:19	1
Sulfur	35.06	J	49.2	19.7	mg/Kg		02/26/15 11:58	02/26/15 17:19	1

Lab Sample ID: MB 490-230143/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230511 — **Prep Batch: 230143**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.886	U	1.97	0.886	mg/Kg		02/26/15 11:58	02/27/15 14:15	1
Barium	1.57	U	1.97	1.57	mg/Kg		02/26/15 11:58	02/27/15 14:15	1
Selenium	0.984	U	1.97	0.984	mg/Kg		02/26/15 11:58	02/27/15 14:15	1

Lab Sample ID: LCS 490-230143/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230316 — **Prep Batch: 230143**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	20.0	19.80		mg/Kg		99	80 - 120
Chromium	80.0	76.94		mg/Kg		96	80 - 120
Lead	20.0	19.22		mg/Kg		96	80 - 120
Silver	20.0	19.92		mg/Kg		100	80 - 120
Sodium	2000	1922		mg/Kg		96	80 - 120
Sulfur	400	357.4		mg/Kg		89	80 - 120

Lab Sample ID: LCS 490-230143/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230511 — **Prep Batch: 230143**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	20.0	17.38		mg/Kg		87	80 - 120
Barium	800	738.4		mg/Kg		92	80 - 120
Selenium	20.0	17.26		mg/Kg		86	80 - 120

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

Lab Sample ID: LCSD 490-230143/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230316 — **Prep Batch: 230143**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	20.0	19.36		mg/Kg		97	80 - 120	2	20
Chromium	80.0	75.20		mg/Kg		94	80 - 120	2	20
Lead	20.0	19.22		mg/Kg		96	80 - 120	0	20
Silver	20.0	19.60		mg/Kg		98	80 - 120	2	20
Sodium	2000	1820		mg/Kg		91	80 - 120	5	20
Sulfur	400	357.0		mg/Kg		89	80 - 120	0	20

Lab Sample ID: LCSD 490-230143/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230511 — **Prep Batch: 230143**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	20.0	16.74		mg/Kg		84	80 - 120	4	20
Barium	800	742.2		mg/Kg		93	80 - 120	1	20
Selenium	20.0	17.86		mg/Kg		89	80 - 120	3	20

Lab Sample ID: LB 600-156591/1-D — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: TCLP**
Analysis Batch: 156747 — **Prep Batch: 156683**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0328	U	0.100	0.0328	mg/L		02/25/15 09:47	02/25/15 16:50	1
Barium	0.0220	U	0.200	0.0220	mg/L		02/25/15 09:47	02/25/15 16:50	1
Cadmium	0.00350	U	0.0500	0.00350	mg/L		02/25/15 09:47	02/25/15 16:50	1
Chromium	0.02100	J	0.100	0.0155	mg/L		02/25/15 09:47	02/25/15 16:50	1
Lead	0.0290	U	0.100	0.0290	mg/L		02/25/15 09:47	02/25/15 16:50	1
Selenium	0.06100	J	0.400	0.0417	mg/L		02/25/15 09:47	02/25/15 16:50	1
Silver	0.0125	U	0.100	0.0125	mg/L		02/25/15 09:47	02/25/15 16:50	1

Lab Sample ID: LB 600-156592/1-G — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 156747 — **Prep Batch: 156683**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0328	U	0.100	0.0328	mg/L		02/25/15 09:47	02/25/15 17:06	1
Barium	0.0220	U	0.200	0.0220	mg/L		02/25/15 09:47	02/25/15 17:06	1
Cadmium	0.00350	U	0.0500	0.00350	mg/L		02/25/15 09:47	02/25/15 17:06	1
Chromium	0.0155	U	0.100	0.0155	mg/L		02/25/15 09:47	02/25/15 17:06	1
Lead	0.0290	U	0.100	0.0290	mg/L		02/25/15 09:47	02/25/15 17:06	1
Selenium	0.0417	U	0.400	0.0417	mg/L		02/25/15 09:47	02/25/15 17:06	1
Silver	0.0125	U	0.100	0.0125	mg/L		02/25/15 09:47	02/25/15 17:06	1

Lab Sample ID: 600-107025-1 MS — **Client Sample ID: ST8-COMP-021915**
Matrix: Waste — **Prep Type: TCLP**
Analysis Batch: 156747 — **Prep Batch: 156683**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0330	J	10.0	10.52		mg/L		105	75 - 125
Barium	0.700		10.0	10.86		mg/L		102	75 - 125

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

Lab Sample ID: 600-107025-1 MS — **Client Sample ID: ST8-COMP-021915**
Matrix: Waste — **Prep Type: TCLP**
Analysis Batch: 156747 — **Prep Batch: 156683**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.00350	U	5.00	5.245		mg/L		105	75 - 125
Chromium	0.0180	J B	10.0	10.19		mg/L		102	75 - 125
Lead	0.0290	U	10.0	10.47		mg/L		105	75 - 125
Selenium	0.0417	U	10.0	10.57		mg/L		106	75 - 125
Silver	0.0125	U	5.00	5.363		mg/L		107	75 - 125

Lab Sample ID: 600-107025-3 MS — **Client Sample ID: SAND-COMP6**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 156747 — **Prep Batch: 156683**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0328	U	10.0	10.69		mg/L		107	75 - 125
Barium	0.396		10.0	10.44		mg/L		100	75 - 125
Cadmium	0.00350	U	5.00	5.331		mg/L		107	75 - 125
Chromium	0.0170	J B	10.0	10.26		mg/L		102	75 - 125
Lead	0.0290	U	10.0	10.66		mg/L		107	75 - 125
Selenium	0.0417	U	10.0	10.70		mg/L		107	75 - 125
Silver	0.0125	U	5.00	5.418		mg/L		108	75 - 125

Lab Sample ID: 600-107025-3 DU — **Client Sample ID: SAND-COMP6**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 156747 — **Prep Batch: 156683**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.0328	U	0.0328	U	mg/L		NC	20
Barium	0.396		0.4340		mg/L		9	20
Cadmium	0.00350	U	0.00350	U	mg/L		NC	20
Chromium	0.0170	J B	0.0155	U	mg/L		NC	20
Lead	0.0290	U	0.0290	U	mg/L		NC	20
Selenium	0.0417	U	0.0417	U	mg/L		NC	20
Silver	0.0125	U	0.0125	U	mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 600-156674/7-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156729 — **Prep Batch: 156674**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0000820	U	0.000200	0.0000820	mg/L		02/25/15 08:31	02/25/15 13:07	1

Lab Sample ID: LCS 600-156674/8-A ^50 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156729 — **Prep Batch: 156674**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.153	0.1553		mg/L		101	70 - 130

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 600-156591/1-C — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: TCLP**
Analysis Batch: 156729 — **Prep Batch: 156674**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0000820	U	0.000200	0.0000820	mg/L		02/25/15 08:31	02/25/15 14:08	1

Lab Sample ID: LB 600-156592/1-F — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 156729 — **Prep Batch: 156674**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0000820	U	0.000200	0.0000820	mg/L		02/25/15 08:31	02/25/15 13:36	1

Lab Sample ID: 600-107025-1 MS — **Client Sample ID: ST8-COMP-021915**
Matrix: Waste — **Prep Type: TCLP**
Analysis Batch: 156729 — **Prep Batch: 156674**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.000820	U	0.0300	0.02952		mg/L		98	75 - 125		

Lab Sample ID: 600-107025-3 MS — **Client Sample ID: SAND-COMP6**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 156729 — **Prep Batch: 156674**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.0000820	U	0.00300	0.002980		mg/L		99	75 - 125		

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 600-156546/7-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156557 — **Prep Batch: 156546**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00336	U	0.0159	0.00336	mg/Kg		02/23/15 15:11	02/23/15 16:20	1

Lab Sample ID: LCSSRM 600-156546/8-A ^50 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156557 — **Prep Batch: 156546**

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			5.76	6.556		mg/Kg		113.8	71.2 - 128.6		

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

Lab Sample ID: 600-107025-1 DU — **Client Sample ID: ST8-COMP-021915**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 156830

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 600-156727/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 156814 — **Prep Batch: 156727**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	0.0855	U	0.250	0.0855	mg/Kg		02/25/15 11:30	02/26/15 13:58	1

Lab Sample ID: LCS 600-156727/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156814 — **Prep Batch: 156727**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	8.108		mg/Kg		0.8	0 - 200

Method: 9023 - Organic Halides, Extractable (EOX)

Lab Sample ID: MB 240-169857/3-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 169974 — **Prep Batch: 169857**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	33.8	U	199	33.8	mg/Kg		02/27/15 06:25	02/27/15 08:47	1

Lab Sample ID: LCS 240-169857/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 169974 — **Prep Batch: 169857**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Halogens, Extractable Organic	1000	984.7		mg/Kg		98	75 - 125

Lab Sample ID: 600-107025-3 MS — **Client Sample ID: SAND-COMP6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 169974 — **Prep Batch: 169857**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Halogens, Extractable Organic	49.0	J	985	1037		mg/Kg		100	75 - 125

Lab Sample ID: 600-107025-3 MSD — **Client Sample ID: SAND-COMP6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 169974 — **Prep Batch: 169857**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Halogens, Extractable Organic	49.0	J	985	1015		mg/Kg		98	75 - 125	2	20

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

Lab Sample ID: MB 600-156727/1-A — **Client Sample ID: Method Blank**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 156816 — **Prep Batch: 156727**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	14.0	U	50.0	14.0	mg/Kg		02/25/15 11:30	02/26/15 14:11	1

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

Lab Sample ID: LCS 600-156727/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Waste — **Prep Type: Total/NA**
Analysis Batch: 156816 — **Prep Batch: 156727**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	1000	1300		mg/Kg		130	0 - 200

Method: 9045C - Corrosivity

Lab Sample ID: LCS 600-156743/1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.000		SU		100	99 - 101

Method: D92 - Flashpoint

Lab Sample ID: MB 600-156830/1 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156830

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>186		1.00	1.00	Degrees F			02/26/15 06:35	1

Lab Sample ID: LCS 600-156830/2 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156830

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: 600-107025-3 DU — **Client Sample ID: SAND-COMP6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 156830

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Flashpoint	>212		>212		Degrees F		NC	20

QC Association Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

GC/MS VOA

Leach Batch: 113358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	TCLP	Waste	1311	
600-107025-2	ST5-COMP-021915	TCLP	Waste	1311	
600-107025-3	SAND-COMP6	TCLP	Solid	1311	
LB 560-113358/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 113408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	TCLP	Waste	8260B	113358
600-107025-2	ST5-COMP-021915	TCLP	Waste	8260B	113358
600-107025-3	SAND-COMP6	TCLP	Solid	8260B	113358
LB 560-113358/1-A	Method Blank	TCLP	Solid	8260B	113358
LCS 560-113408/3	Lab Control Sample	Total/NA	Solid	8260B	
MB 560-113408/8	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 156517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	5030B	
600-107025-2	ST5-COMP-021915	Total/NA	Waste	5030B	
LCS 600-156517/1-A	Lab Control Sample	Total/NA	Waste	5030B	
LCSD 600-156517/2-A	Lab Control Sample Dup	Total/NA	Waste	5030B	
MB 600-156517/3-A	Method Blank	Total/NA	Waste	5030B	

Analysis Batch: 156524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 600-156517/1-A	Lab Control Sample	Total/NA	Waste	8260B	156517
LCSD 600-156517/2-A	Lab Control Sample Dup	Total/NA	Waste	8260B	156517
MB 600-156517/3-A	Method Blank	Total/NA	Waste	8260B	156517

Analysis Batch: 156599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	8260B	156517
600-107025-2	ST5-COMP-021915	Total/NA	Waste	8260B	156517

Analysis Batch: 156863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-3	SAND-COMP6	Total/NA	Solid	8260B	156890
LCS 600-156863/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 600-156863/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 600-156863/6	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 156890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-3	SAND-COMP6	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 156523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-3	SAND-COMP6	Total/NA	Solid	3546	
LCS 600-156523/2-A	Lab Control Sample	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 156523 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 600-156523/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 156579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	8270C	156603
600-107025-2	ST5-COMP-021915	Total/NA	Waste	8270C	156603
600-107025-3	SAND-COMP6	Total/NA	Solid	8270C	156523
LCS 600-156523/2-A	Lab Control Sample	Total/NA	Solid	8270C	156523
LCS 600-156603/2-A	Lab Control Sample	Total/NA	Waste	8270C	156603
MB 600-156523/1-A	Method Blank	Total/NA	Solid	8270C	156523
MB 600-156603/1-A	Method Blank	Total/NA	Waste	8270C	156603

Leach Batch: 156591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-2	ST5-COMP-021915	TCLP	Waste	1311	
LB 600-156591/1-B	Method Blank	TCLP	Waste	1311	

Leach Batch: 156592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	TCLP	Waste	1311	
600-107025-3	SAND-COMP6	TCLP	Solid	1311	
600-107025-3 MS	SAND-COMP6	TCLP	Solid	1311	
LB 600-156592/1-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 156603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	3580A	
600-107025-2	ST5-COMP-021915	Total/NA	Waste	3580A	
LCS 600-156603/2-A	Lab Control Sample	Total/NA	Waste	3580A	
MB 600-156603/1-A	Method Blank	Total/NA	Waste	3580A	

Prep Batch: 156643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	TCLP	Waste	3510C	156592
600-107025-2	ST5-COMP-021915	TCLP	Waste	3510C	156591
600-107025-3	SAND-COMP6	TCLP	Solid	3510C	156592
600-107025-3 MS	SAND-COMP6	TCLP	Solid	3510C	156592
LB 600-156591/1-B	Method Blank	TCLP	Waste	3510C	156591
LB 600-156592/1-D	Method Blank	TCLP	Solid	3510C	156592
LCS 600-156643/2-A	Lab Control Sample	Total/NA	Solid	3510C	
MB 600-156643/1-A	Method Blank	Total/NA	Solid	3510C	

Analysis Batch: 156670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 600-156591/1-B	Method Blank	TCLP	Waste	8270C	156643
LB 600-156592/1-D	Method Blank	TCLP	Solid	8270C	156643
LCS 600-156643/2-A	Lab Control Sample	Total/NA	Solid	8270C	156643
MB 600-156643/1-A	Method Blank	Total/NA	Solid	8270C	156643

GC/MS Semi VOA (Continued)

Analysis Batch: 156707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	TCLP	Waste	8270C	156643
600-107025-2	ST5-COMP-021915	TCLP	Waste	8270C	156643
600-107025-3	SAND-COMP6	TCLP	Solid	8270C	156643
600-107025-3 MS	SAND-COMP6	TCLP	Solid	8270C	156643

GC Semi VOA

Analysis Batch: 156511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-3 - DL	SAND-COMP6	Total/NA	Solid	TX 1005	156532

Analysis Batch: 156513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1 - DL	ST8-COMP-021915	Total/NA	Waste	TX 1005	156532
600-107025-2 - DL	ST5-COMP-021915	Total/NA	Waste	TX 1005	156532
LCS 600-156532/2-A	Lab Control Sample	Total/NA	Solid	TX 1005	156532
LCSD 600-156532/3-A	Lab Control Sample Dup	Total/NA	Solid	TX 1005	156532
MB 600-156532/1-A	Method Blank	Total/NA	Solid	TX 1005	156532

Prep Batch: 156532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1 - DL	ST8-COMP-021915	Total/NA	Waste	TX_1005_S_Prep	
600-107025-2 - DL	ST5-COMP-021915	Total/NA	Waste	TX_1005_S_Prep	
600-107025-3 - DL	SAND-COMP6	Total/NA	Solid	TX_1005_S_Prep	
LCS 600-156532/2-A	Lab Control Sample	Total/NA	Solid	TX_1005_S_Prep	
LCSD 600-156532/3-A	Lab Control Sample Dup	Total/NA	Solid	TX_1005_S_Prep	
MB 600-156532/1-A	Method Blank	Total/NA	Solid	TX_1005_S_Prep	

Metals

Prep Batch: 156546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	7471A	
600-107025-2	ST5-COMP-021915	Total/NA	Waste	7471A	
600-107025-3	SAND-COMP6	Total/NA	Solid	7471A	
LCSSRM 600-156546/8-A ^50	Lab Control Sample	Total/NA	Solid	7471A	
MB 600-156546/7-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 156557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	7471A	156546
600-107025-2	ST5-COMP-021915	Total/NA	Waste	7471A	156546
600-107025-3	SAND-COMP6	Total/NA	Solid	7471A	156546
LCSSRM 600-156546/8-A ^50	Lab Control Sample	Total/NA	Solid	7471A	156546
MB 600-156546/7-A	Method Blank	Total/NA	Solid	7471A	156546

Metals (Continued)

Leach Batch: 156591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-2	ST5-COMP-021915	TCLP	Waste	1311	
LB 600-156591/1-C	Method Blank	TCLP	Waste	1311	
LB 600-156591/1-D	Method Blank	TCLP	Waste	1311	

Leach Batch: 156592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	TCLP	Waste	1311	
600-107025-1 MS	ST8-COMP-021915	TCLP	Waste	1311	
600-107025-3	SAND-COMP6	TCLP	Solid	1311	
600-107025-3 DU	SAND-COMP6	TCLP	Solid	1311	
600-107025-3 MS	SAND-COMP6	TCLP	Solid	1311	
LB 600-156592/1-F	Method Blank	TCLP	Solid	1311	
LB 600-156592/1-G	Method Blank	TCLP	Solid	1311	

Prep Batch: 156674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	TCLP	Waste	7470A	156592
600-107025-1 MS	ST8-COMP-021915	TCLP	Waste	7470A	156592
600-107025-2	ST5-COMP-021915	TCLP	Waste	7470A	156591
600-107025-3	SAND-COMP6	TCLP	Solid	7470A	156592
600-107025-3 MS	SAND-COMP6	TCLP	Solid	7470A	156592
LB 600-156591/1-C	Method Blank	TCLP	Waste	7470A	156591
LB 600-156592/1-F	Method Blank	TCLP	Solid	7470A	156592
LCS 600-156674/8-A ^50	Lab Control Sample	Total/NA	Solid	7470A	
MB 600-156674/7-A	Method Blank	Total/NA	Solid	7470A	

Prep Batch: 156683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	TCLP	Waste	3010A	156592
600-107025-1 MS	ST8-COMP-021915	TCLP	Waste	3010A	156592
600-107025-2	ST5-COMP-021915	TCLP	Waste	3010A	156591
600-107025-3	SAND-COMP6	TCLP	Solid	3010A	156592
600-107025-3 DU	SAND-COMP6	TCLP	Solid	3010A	156592
600-107025-3 MS	SAND-COMP6	TCLP	Solid	3010A	156592
LB 600-156591/1-D	Method Blank	TCLP	Waste	3010A	156591
LB 600-156592/1-G	Method Blank	TCLP	Solid	3010A	156592
LCS 600-156683/2-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 600-156683/1-A	Method Blank	Total/NA	Solid	3010A	

Analysis Batch: 156729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	TCLP	Waste	7470A	156674
600-107025-1 MS	ST8-COMP-021915	TCLP	Waste	7470A	156674
600-107025-2	ST5-COMP-021915	TCLP	Waste	7470A	156674
600-107025-3	SAND-COMP6	TCLP	Solid	7470A	156674
600-107025-3 MS	SAND-COMP6	TCLP	Solid	7470A	156674
LB 600-156591/1-C	Method Blank	TCLP	Waste	7470A	156674
LB 600-156592/1-F	Method Blank	TCLP	Solid	7470A	156674
LCS 600-156674/8-A ^50	Lab Control Sample	Total/NA	Solid	7470A	156674
MB 600-156674/7-A	Method Blank	Total/NA	Solid	7470A	156674

Metals (Continued)

Analysis Batch: 156747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	TCLP	Waste	6010B	156683
600-107025-1 MS	ST8-COMP-021915	TCLP	Waste	6010B	156683
600-107025-2	ST5-COMP-021915	TCLP	Waste	6010B	156683
600-107025-3	SAND-COMP6	TCLP	Solid	6010B	156683
600-107025-3 DU	SAND-COMP6	TCLP	Solid	6010B	156683
600-107025-3 MS	SAND-COMP6	TCLP	Solid	6010B	156683
LB 600-156591/1-D	Method Blank	TCLP	Waste	6010B	156683
LB 600-156592/1-G	Method Blank	TCLP	Solid	6010B	156683
LCS 600-156683/2-A	Lab Control Sample	Total/NA	Solid	6010B	156683
MB 600-156683/1-A	Method Blank	Total/NA	Solid	6010B	156683

Prep Batch: 230143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	3051A	
600-107025-2	ST5-COMP-021915	Total/NA	Waste	3051A	
600-107025-3	SAND-COMP6	Total/NA	Solid	3051A	
LCS 490-230143/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 490-230143/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	
MB 490-230143/1-A	Method Blank	Total/NA	Solid	3051A	

Analysis Batch: 230316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	6010B	230143
600-107025-2	ST5-COMP-021915	Total/NA	Waste	6010B	230143
600-107025-3	SAND-COMP6	Total/NA	Solid	6010B	230143
LCS 490-230143/2-A	Lab Control Sample	Total/NA	Solid	6010B	230143
LCSD 490-230143/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	230143
MB 490-230143/1-A	Method Blank	Total/NA	Solid	6010B	230143

Analysis Batch: 230511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	6010B	230143
600-107025-2	ST5-COMP-021915	Total/NA	Waste	6010B	230143
600-107025-3	SAND-COMP6	Total/NA	Solid	6010B	230143
LCS 490-230143/2-A	Lab Control Sample	Total/NA	Solid	6010B	230143
LCSD 490-230143/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	230143
MB 490-230143/1-A	Method Blank	Total/NA	Solid	6010B	230143

General Chemistry

Analysis Batch: 113321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	D1796	
600-107025-2	ST5-COMP-021915	Total/NA	Waste	D1796	
600-107025-3	SAND-COMP6	Total/NA	Solid	D1796	

Prep Batch: 156727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	7.3.4	
600-107025-2	ST5-COMP-021915	Total/NA	Waste	7.3.4	

General Chemistry (Continued)

Prep Batch: 156727 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-3	SAND-COMP6	Total/NA	Solid	7.3.4	
LCS 600-156727/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	
LCS 600-156727/3-A	Lab Control Sample	Total/NA	Waste	7.3.4	
MB 600-156727/1-A	Method Blank	Total/NA	Waste	7.3.4	

Analysis Batch: 156743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-3	SAND-COMP6	Total/NA	Solid	9045C	
LCS 600-156743/1	Lab Control Sample	Total/NA	Solid	9045C	

Analysis Batch: 156814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	9012	156727
600-107025-2	ST5-COMP-021915	Total/NA	Waste	9012	156727
600-107025-3	SAND-COMP6	Total/NA	Solid	9012	156727
LCS 600-156727/2-A	Lab Control Sample	Total/NA	Solid	9012	156727
MB 600-156727/1-A	Method Blank	Total/NA	Waste	9012	156727

Analysis Batch: 156816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	9034	156727
600-107025-2	ST5-COMP-021915	Total/NA	Waste	9034	156727
600-107025-3	SAND-COMP6	Total/NA	Solid	7.4.4	156727
LCS 600-156727/3-A	Lab Control Sample	Total/NA	Waste	9034	156727
MB 600-156727/1-A	Method Blank	Total/NA	Waste	9034	156727

Analysis Batch: 156830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	1010	
600-107025-1 DU	ST8-COMP-021915	Total/NA	Waste	1010	
600-107025-2	ST5-COMP-021915	Total/NA	Waste	1010	
600-107025-3	SAND-COMP6	Total/NA	Solid	D92	
600-107025-3 DU	SAND-COMP6	Total/NA	Solid	D92	
LCS 600-156830/2	Lab Control Sample	Total/NA	Solid	D92	
MB 600-156830/1	Method Blank	Total/NA	Solid	D92	

Prep Batch: 169857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	9023	
600-107025-2	ST5-COMP-021915	Total/NA	Waste	9023	
600-107025-3	SAND-COMP6	Total/NA	Solid	9023	
600-107025-3 MS	SAND-COMP6	Total/NA	Solid	9023	
600-107025-3 MSD	SAND-COMP6	Total/NA	Solid	9023	
LCS 240-169857/4-A	Lab Control Sample	Total/NA	Solid	9023	
MB 240-169857/3-A	Method Blank	Total/NA	Solid	9023	

Analysis Batch: 169974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-1	ST8-COMP-021915	Total/NA	Waste	9023	169857
600-107025-2	ST5-COMP-021915	Total/NA	Waste	9023	169857
600-107025-3	SAND-COMP6	Total/NA	Solid	9023	169857

General Chemistry (Continued)

Analysis Batch: 169974 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107025-3 MS	SAND-COMP6	Total/NA	Solid	9023	169857
600-107025-3 MSD	SAND-COMP6	Total/NA	Solid	9023	169857
LCS 240-169857/4-A	Lab Control Sample	Total/NA	Solid	9023	169857
MB 240-169857/3-A	Method Blank	Total/NA	Solid	9023	169857

Client Sample ID: ST8-COMP-021915

Lab Sample ID: 600-107025-1

Date Collected: 02/19/15 12:09

Matrix: Waste

Date Received: 02/20/15 11:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			20.4 g	408 mL	113358	03/02/15 11:00	CC56	TAL CC
TCLP	Analysis	8260B		50	5 mL	5 mL	113408	03/03/15 13:23	RP56	TAL CC
Total/NA	Prep	5030B			1 g	10 mL	156517	02/23/15 17:00	KLV	TAL HOU
Total/NA	Analysis	8260B		4	1 g	10 mL	156599	02/24/15 15:05	KLV	TAL HOU
TCLP	Leach	1311			1.0 g	1.0 mL	156592	02/23/15 23:30	RT1	TAL HOU
TCLP	Prep	3510C			200 mL	1.0 mL	156643	02/24/15 16:11	SMB	TAL HOU
TCLP	Analysis	8270C		10	200 mL	1.0 mL	156707	02/25/15 16:17	KP1	TAL HOU
Total/NA	Prep	3580A			1.01 g	10.00 mL	156603	02/24/15 10:46	MRA	TAL HOU
Total/NA	Analysis	8270C		10	1.01 g	10.00 mL	156579	02/24/15 13:45	KP1	TAL HOU
Total/NA	Prep	TX_1005_S_Prep	DL		01.00 g	10.00 mL	156532	02/23/15 12:31	NVP	TAL HOU
Total/NA	Analysis	TX 1005	DL	100	01.00 g	10.00 mL	156513	02/24/15 08:56	RJV	TAL HOU
TCLP	Leach	1311			1.0 g	1.0 mL	156592	02/23/15 23:30	RT1	TAL HOU
TCLP	Prep	3010A			5 mL	50 mL	156683	02/25/15 09:47	NER	TAL HOU
TCLP	Analysis	6010B		1	5 mL	50 mL	156747	02/25/15 17:20	DCL	TAL HOU
Total/NA	Prep	3051A			0.515 g	100 mL	230143	02/26/15 11:58	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.515 g	100 mL	230316	02/26/15 18:02	ADN	TAL NSH
Total/NA	Prep	3051A			0.515 g	100 mL	230143	02/26/15 11:58	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.515 g	100 mL	230511	02/27/15 15:12	LEG	TAL NSH
TCLP	Leach	1311			1.0 g	1.0 mL	156592	02/23/15 23:30	RT1	TAL HOU
TCLP	Prep	7470A			4 mL	40 mL	156674	02/25/15 08:31	SCG	TAL HOU
TCLP	Analysis	7470A		1	4 mL	40 mL	156729	02/25/15 13:55	SCG	TAL HOU
Total/NA	Prep	7471A			0.64 g	50 mL	156546	02/23/15 15:11	SCG	TAL HOU
Total/NA	Analysis	7471A		1	0.64 g	50 mL	156557	02/23/15 16:26	TWR	TAL HOU
Total/NA	Analysis	1010		1			156830	02/26/15 06:35	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.51 g	250 mL	156727	02/25/15 11:30	KRD	TAL HOU
Total/NA	Analysis	9012		1	10.51 g	250 mL	156814	02/26/15 13:58	EAS	TAL HOU
Total/NA	Prep	9023			2.02 g	10 mL	169857	02/27/15 06:41	TPH	TAL CAN
Total/NA	Analysis	9023		5	2.02 g	10 mL	169974	02/27/15 10:20	TPH	TAL CAN
Total/NA	Prep	7.3.4			10.51 g	250 mL	156727	02/25/15 11:30	KRD	TAL HOU
Total/NA	Analysis	9034		1	10.51 g	250 mL	156816	02/26/15 14:11	EAS	TAL HOU
Total/NA	Analysis	D1796		1	50 mL	50 mL	113321	02/27/15 14:00	EDR	TAL CC

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2

Date Collected: 02/19/15 12:48

Matrix: Waste

Date Received: 02/20/15 11:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			20.9 g	418 mL	113358	03/02/15 11:00	CC56	TAL CC
TCLP	Analysis	8260B		10	5 mL	5 mL	113408	03/03/15 13:47	RP56	TAL CC
Total/NA	Prep	5030B			1 g	10 mL	156517	02/23/15 17:00	KLV	TAL HOU
Total/NA	Analysis	8260B		10	1 g	10 mL	156599	02/24/15 15:29	KLV	TAL HOU
TCLP	Leach	1311			1.0 g	1.0 mL	156591	02/23/15 23:30	RT1	TAL HOU
TCLP	Prep	3510C			200 mL	2.0 mL	156643	02/24/15 18:41	SMB	TAL HOU
TCLP	Analysis	8270C		10	200 mL	2.0 mL	156707	02/25/15 16:38	KP1	TAL HOU

Client Sample ID: ST5-COMP-021915

Lab Sample ID: 600-107025-2

Date Collected: 02/19/15 12:48

Matrix: Waste

Date Received: 02/20/15 11:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3580A			1.09 g	10.00 mL	156603	02/24/15 10:46	MRA	TAL HOU
Total/NA	Analysis	8270C		10	1.09 g	10.00 mL	156579	02/24/15 14:17	KP1	TAL HOU
Total/NA	Prep	TX_1005_S_Prep	DL		01.00 g	10.00 mL	156532	02/23/15 12:31	NVP	TAL HOU
Total/NA	Analysis	TX 1005	DL	100	01.00 g	10.00 mL	156513	02/24/15 09:28	RJV	TAL HOU
TCLP	Leach	1311			1.0 g	1.0 mL	156591	02/23/15 23:30	RT1	TAL HOU
TCLP	Prep	3010A			5 mL	50 mL	156683	02/25/15 09:47	NER	TAL HOU
TCLP	Analysis	6010B		1	5 mL	50 mL	156747	02/25/15 17:03	DCL	TAL HOU
Total/NA	Prep	3051A			0.521 g	100 mL	230143	02/26/15 11:58	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.521 g	100 mL	230316	02/26/15 18:06	ADN	TAL NSH
Total/NA	Prep	3051A			0.521 g	100 mL	230143	02/26/15 11:58	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.521 g	100 mL	230511	02/27/15 15:16	LEG	TAL NSH
TCLP	Leach	1311			1.0 g	1.0 mL	156591	02/23/15 23:30	RT1	TAL HOU
TCLP	Prep	7470A			4 mL	40 mL	156674	02/25/15 08:31	SCG	TAL HOU
TCLP	Analysis	7470A		1	4 mL	40 mL	156729	02/25/15 14:24	SCG	TAL HOU
Total/NA	Prep	7471A			0.62 g	50 mL	156546	02/23/15 15:11	SCG	TAL HOU
Total/NA	Analysis	7471A		1	0.62 g	50 mL	156557	02/23/15 16:28	TWR	TAL HOU
Total/NA	Analysis	1010		1			156830	02/26/15 06:35	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.14 g	250 mL	156727	02/25/15 11:30	KRD	TAL HOU
Total/NA	Analysis	9012		1	10.14 g	250 mL	156814	02/26/15 13:58	EAS	TAL HOU
Total/NA	Prep	9023			2.02 g	10 mL	169857	02/27/15 06:38	TPH	TAL CAN
Total/NA	Analysis	9023		1	2.02 g	10 mL	169974	02/27/15 10:03	TPH	TAL CAN
Total/NA	Prep	7.3.4			10.14 g	250 mL	156727	02/25/15 11:30	KRD	TAL HOU
Total/NA	Analysis	9034		1	10.14 g	250 mL	156816	02/26/15 14:11	EAS	TAL HOU
Total/NA	Analysis	D1796		1	50 mL	50 mL	113321	02/27/15 14:00	EDR	TAL CC

Client Sample ID: SAND-COMP6

Lab Sample ID: 600-107025-3

Date Collected: 02/19/15 14:35

Matrix: Solid

Date Received: 02/20/15 11:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			20.0 g	400 mL	113358	03/02/15 11:00	CC56	TAL CC
TCLP	Analysis	8260B		5	5 mL	5 mL	113408	03/03/15 14:12	RP56	TAL CC
Total/NA	Prep	5030B			5.07 g	5 mL	156890	02/27/15 11:15	WS1	TAL HOU
Total/NA	Analysis	8260B		1	5.07 g	5 mL	156863	02/27/15 14:48	WS1	TAL HOU
TCLP	Leach	1311			1.0 g	1.0 mL	156592	02/23/15 23:30	RT1	TAL HOU
TCLP	Prep	3510C			200 mL	1.0 mL	156643	02/24/15 16:11	SMB	TAL HOU
TCLP	Analysis	8270C		1	200 mL	1.0 mL	156707	02/25/15 15:35	KP1	TAL HOU
Total/NA	Prep	3546			15.18 g	2.0 mL	156523	02/23/15 10:50	FNC	TAL HOU
Total/NA	Analysis	8270C		20	15.18 g	2.0 mL	156579	02/24/15 17:25	KP1	TAL HOU
Total/NA	Prep	TX_1005_S_Prep	DL		10.06 g	10.00 mL	156532	02/23/15 12:31	NVP	TAL HOU
Total/NA	Analysis	TX 1005	DL	10	10.06 g	10.00 mL	156511	02/24/15 10:14	RJV	TAL HOU
TCLP	Leach	1311			1.0 g	1.0 mL	156592	02/23/15 23:30	RT1	TAL HOU
TCLP	Prep	3010A			5 mL	50 mL	156683	02/25/15 09:47	NER	TAL HOU
TCLP	Analysis	6010B		1	5 mL	50 mL	156747	02/25/15 17:13	DCL	TAL HOU

Lab Chronicle

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

Client Sample ID: SAND-COMP6

Lab Sample ID: 600-107025-3

Date Collected: 02/19/15 14:35
Matrix: Solid
Date Received: 02/20/15 11:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3051A			0.511 g	100 mL	230143	02/26/15 11:58	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.511 g	100 mL	230316	02/26/15 18:15	ADN	TAL NSH
Total/NA	Prep	3051A			0.511 g	100 mL	230143	02/26/15 11:58	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.511 g	100 mL	230511	02/27/15 15:20	LEG	TAL NSH
TCLP	Leach	1311			1.0 g	1.0 mL	156592	02/23/15 23:30	RT1	TAL HOU
TCLP	Prep	7470A			40 mL	40 mL	156674	02/25/15 08:31	SCG	TAL HOU
TCLP	Analysis	7470A		1	40 mL	40 mL	156729	02/25/15 13:47	SCG	TAL HOU
Total/NA	Prep	7471A			0.62 g	50 mL	156546	02/23/15 15:11	SCG	TAL HOU
Total/NA	Analysis	7471A		1	0.62 g	50 mL	156557	02/23/15 16:46	TWR	TAL HOU
Total/NA	Prep	7.3.4			10.10 g	250 mL	156727	02/25/15 11:30	KRD	TAL HOU
Total/NA	Analysis	7.4.4		1	10.10 g	250 mL	156816	02/26/15 14:11	EAS	TAL HOU
Total/NA	Prep	7.3.4			10.10 g	250 mL	156727	02/25/15 11:30	KRD	TAL HOU
Total/NA	Analysis	9012		1	10.10 g	250 mL	156814	02/26/15 13:58	EAS	TAL HOU
Total/NA	Prep	9023			2.03 g	10 mL	169857	02/27/15 06:30	TPH	TAL CAN
Total/NA	Analysis	9023		1	2.03 g	10 mL	169974	02/27/15 09:17	TPH	TAL CAN
Total/NA	Analysis	9045C		1	20 mL	20 mL	156743	02/25/15 15:40	KRD	TAL HOU
Total/NA	Analysis	D1796		1	50 mL	50 mL	113321	02/27/15 14:00	EDR	TAL CC
Total/NA	Analysis	D92		1			156830	02/26/15 06:35	MJB	TAL HOU

Laboratory References:

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

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

Certification Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-107025-1

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
7.4.4	7.3.4	Solid	Sulfide, Reactive
8260B	5030B	Solid	1,2-Dichloroethene, Total
8260B	5030B	Waste	1,2-Dichloroethene, Total
9012	7.3.4	Solid	Cyanide, Reactive
9012	7.3.4	Waste	Cyanide, Reactive
9034	7.3.4	Waste	Sulfide, Reactive
D92		Solid	Flashpoint
TX 1005	TX_1005_S_Prep	Solid	>C12-C28
TX 1005	TX_1005_S_Prep	Solid	>C28-C35
TX 1005	TX_1005_S_Prep	Solid	C6-C12
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 Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15 *
Connecticut	State Program	1	PH-0590	12-31-15
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	03-31-15 *
Kentucky (UST)	State Program	4	58	06-30-15
Kentucky (WW)	State Program	4	98016	12-31-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-15
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15 *
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-16
West Virginia DEP	State Program	3	210	12-31-15
Wisconsin	State Program	5	999518190	08-31-15

Laboratory: TestAmerica Corpus Christi

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	T104704210	03-31-15

* Certification renewal pending - certification considered valid.

Laboratory: TestAmerica Corpus Christi (Continued)

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	T104704210	03-31-15

Analysis Method	Prep Method	Matrix	Analyte

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	Solid	Sulfur
6010B	3051A	Waste	Sulfur

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Daniel Tighe	Lab PM: Joiner, Dean A	Carrier Tracking No(s):	COC No: 600-32414-10868.1 2.19.2015
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 #: 900255
Address: PO BOX 96519	Due Date Requested: 02.27.2015			
City: Baton Rouge	TAT Requested (days): 5 WD Level 2			
State, Zip: LA 70884				
Phone: 469-446-8408	PO #: Purchase Order Requested			
Email: leroy.cassidey@CBIFederalServices.com	WO #: Contract EP-S6-07-02 Task Order 62			
CB&I Federal Services LLC - Houston	Project #: 23 *** 60005919			
Site: CFS Environmental	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:

Loc: 600
107025

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)	TCLP VOA	TCLP SVOA	TCLP Metals RCRA and Ni	RCI	TPH, TOX	Total VOA	Total SVOA	Total Metals + Sulphur + Na	TSS, % Water	pH	Total Number of containers	Special Instructions/Note
			Preservation Code:				N	N	N	N	N	N	N	N	N			
ST 6-Comp-021915	02.19.2015	1204	G	Sludge			X	X	X	X	X	X	X	X	X		2	
ST 5-Comp-021915	02.19.2015	1246	G	Sludge			X	X	X	X	X	X	X	X	X		2	
SW0-Comp 6	02.19.2015	1435	G	Solid			X	X	X	X	X	X	X	X	X		2	
ST-1-021915	02.19.2015	1338	G	Liquid												X	1	
ST-6-021915	02-19.2015	1341	G	Liquid												X	1	

600-107025 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☑ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological
ST-1 Strong
ST-6 Strong

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 2/19/2015 1624	Company: CBI Fed	Received by:	Company: NPPLS
Relinquished by:	Date/Time:	Company:	Received by:	Company:
Relinquished by:	Date/Time:	Company:	Received by: 2/19/15 1747	Company: TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TestAmerica Houston

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Receipt Checklist

Loc: 600
107025

Date/Time Received: _____

JOB NUMBER: _____ CLIENT: CBAI

UNPACKED BY: DC CARRIER/DRIVER: Apple

Custody Seal Present: ☑ YES ☐ NO Number of Coolers Received: 1

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Therm CF	Corrected Temp (°C)
BW	Y / N	Y / N	1.4	549	-0.3	1.1
	Y / N	Y / N				
	Y / N	Y / N				
	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 # Solid/Waste Samples

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

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

COMMENTS:

BS-SA-WI-013 Rev. 3; 07/01/2014

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107025-1

Login Number: 107025

List Source: TestAmerica Houston

List Number: 1

Creator: Sundquist, Sean V

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	549
Cooler Temperature is recorded.	True	1.1
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.

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107025-1

Login Number: 107025
List Number: 5
Creator: Contreras, Kristen N

List Source: TestAmerica Corpus Christi
List Creation: 02/26/15 06:04 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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107025-1

Login Number: 107025
List Number: 6
Creator: Contreras, Kristen N

List Source: TestAmerica Corpus Christi
List Creation: 02/26/15 06:05 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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107025-1

Login Number: 107025
List Number: 2
Creator: Armstrong, Daniel

List Source: TestAmerica Nashville
List Creation: 02/26/15 11:01 AM

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	-0.2C
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	

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107025-1

Login Number: 107025
List Number: 3
Creator: Armstrong, Daniel

List Source: TestAmerica Nashville
List Creation: 02/26/15 11:05 AM

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	-0.2C
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	