con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

November 30, 2009

David Sullivan
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: Walsh Field, New Bedford
Client Job Number:
Project Number: 115058
Laboratory Work Order Number: 09K0607

Enclosed are results of analyses for samples received by the laboratory on November 25, 2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: David Sullivan

REPORT DATE: 11/30/2009

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 115058

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 09K0607

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Walsh Field, New Bedford

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Stone-1	09K0607-01	Product/Solid		SW-846 6010B	
				SW-846 7471A	
				SW-846 8082	
				SW-846 8100 Modified	
				SW-846 8270C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 6010B

Qualifications:

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Antimony

09K0607-01[Stone-1], B007796-MS1

Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Nickel

09K0607-01[Stone-1], B007796-MS1

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Barium

B007796-MS1

SW-846 8270C

Qualifications:

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Benzo(g,h,i)perylene, Indeno(1,2,3-cd)pyrene

09K0607-01[Stone-1], B007782-BLK1, B007782-BS1, B007782-BSD1

SW-846 8270C

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative. Difficult analytes for soil LCS - limits between 10 and 180% depending on the compound(see QC summary report for limits): 3,3’-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for ”difficult analytes” where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative. Difficult analytes for soil RPDs: 3,3’-dichlorobenzidine, 4-nitrophenol, and aniline.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

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Project Location: Walsh Field, New Bedford | Sample Description: | Work Order: 09K0607

Date Received: 11/25/2009

Field Sample #: Stone-1 | Sampled: 11/24/2009 10:00

Sample ID: 09K0607-01

Sample Matrix: Product/Solid

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Acenaphthylene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Acetophenone	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Aniline	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Anthracene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Benzo(a)anthracene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Benzo(a)pyrene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet	1	V-05	SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
4-Bromophenylphenylether	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Butylbenzylphthalate	ND	0.66	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
4-Chloroaniline	ND	0.66	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
2-Chloronaphthalene	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
2-Chlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Chrysene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Dibenzofuran	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Di-n-butylphthalate	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
2,4-Dichlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Diethylphthalate	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
2,4-Dimethylphenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Dimethylphthalate	ND	0.66	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
2,4-Dinitrophenol	ND	0.66	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Di-n-octylphthalate	ND	0.66	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Fluoranthene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Fluorene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Hexachlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Hexachlorobutadiene	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Hexachloroethane	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet	1	V-05	SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Isophorone	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
2-Methylnaphthalene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL

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Project Location: Walsh Field, New Bedford | Sample Description: | Work Order: 09K0607

Date Received: 11/25/2009

Field Sample #: Stone-1 | Sampled: 11/24/2009 10:00

Sample ID: 09K0607-01

Sample Matrix: Product/Solid

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
3/4-Methylphenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Naphthalene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Nitrobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
2-Nitrophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
4-Nitrophenol	ND	0.66	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Pentachlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Phenanthrene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Phenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
Pyrene	ND	0.17	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	11/27/09	11/30/09 12:16	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	82.5	30-130		11/30/09 12:16
Phenol-d6	75.5	30-130		11/30/09 12:16
Nitrobenzene-d5	72.2	30-130		11/30/09 12:16
2-Fluorobiphenyl	67.0	30-130		11/30/09 12:16
2,4,6-Tribromophenol	75.9	30-130		11/30/09 12:16
Terphenyl-d14	77.0	30-130		11/30/09 12:16

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Project Location: Walsh Field, New Bedford
Sample Description:
Work Order: 09K0607

Date Received: 11/25/2009

Field Sample #: Stone-1
Sampled: 11/24/2009 10:00

Sample ID: 09K0607-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	11/27/09	11/30/09 12:13	JB
Aroclor-1221 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	11/27/09	11/30/09 12:13	JB
Aroclor-1232 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	11/27/09	11/30/09 12:13	JB
Aroclor-1242 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	11/27/09	11/30/09 12:13	JB
Aroclor-1248 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	11/27/09	11/30/09 12:13	JB
Aroclor-1254 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	11/27/09	11/30/09 12:13	JB
Aroclor-1260 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	11/27/09	11/30/09 12:13	JB
Aroclor-1262 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	11/27/09	11/30/09 12:13	JB
Aroclor-1268 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	11/27/09	11/30/09 12:13	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	67.5	30-150		11/30/09 12:13
Decachlorobiphenyl [2]	85.2	30-150		11/30/09 12:13
Tetrachloro-m-xylene [1]	77.6	30-150		11/30/09 12:13
Tetrachloro-m-xylene [2]	76.2	30-150		11/30/09 12:13

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Project Location: Walsh Field, New Bedford
Sample Description:
Work Order: 09K0607

Date Received: 11/25/2009

Field Sample #: Stone-1
Sampled: 11/24/2009 10:00

Sample ID: 09K0607-01

Sample Matrix: Product/Solid

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH as Diesel	ND	8.3	mg/Kg wet	1		SW-846 8100 Modified	11/27/09	11/30/09 9:00	CJM

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Project Location: Walsh Field, New Bedford
Sample Description:
Work Order: 09K0607

Date Received: 11/25/2009

Field Sample #: Stone-1
Sampled: 11/24/2009 10:00

Sample ID: 09K0607-01

Sample Matrix: Product/Solid

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	4.0	mg/Kg	1	MS-07	SW-846 6010B	11/30/09	11/30/09 13:17	OP
Arsenic	3.5	2.5	mg/Kg	1		SW-846 6010B	11/30/09	11/30/09 13:17	OP
Barium	130	5.0	mg/Kg	1		SW-846 6010B	11/30/09	11/30/09 13:17	OP
Beryllium	ND	0.25	mg/Kg	1		SW-846 6010B	11/30/09	11/30/09 13:17	OP
Cadmium	ND	0.25	mg/Kg	1		SW-846 6010B	11/30/09	11/30/09 13:17	OP
Chromium	89	0.50	mg/Kg	1		SW-846 6010B	11/30/09	11/30/09 13:17	OP
Lead	1.7	0.75	mg/Kg	1		SW-846 6010B	11/30/09	11/30/09 13:17	OP
Mercury	ND	0.015	mg/Kg	1		SW-846 7471A	11/30/09	11/30/09 13:57	MPF
Nickel	38	0.50	mg/Kg	1	MS-11	SW-846 6010B	11/30/09	11/30/09 13:17	OP
Selenium	ND	5.0	mg/Kg	1		SW-846 6010B	11/30/09	11/30/09 13:17	OP
Silver	ND	0.50	mg/Kg	1		SW-846 6010B	11/30/09	11/30/09 13:17	OP
Thallium	ND	3.0	mg/Kg	1		SW-846 6010B	11/30/09	11/30/09 13:17	OP
Vanadium	39	5.0	mg/Kg	1		SW-846 6010B	11/30/09	11/30/09 13:17	OP
Zinc	33	1.0	mg/Kg	1		SW-846 6010B	11/30/09	11/30/09 13:17	OP

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Sample Extraction Data

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09K0607-01 [Stone-1]	B007796	1.0005	50	11/30/09

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09K0607-01 [Stone-1]	B007799	0.1651	25	11/30/09

Prep Method: SW-846 3546-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09K0607-01 [Stone-1]	B007778	10	50	11/27/09

Prep Method: SW-846 3546-SW-846 8100 Modified

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09K0607-01 [Stone-1]	B007780	30	1	11/27/09

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09K0607-01 [Stone-1]	B007782	30	1	11/27/09

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B007782 - SW-846 3546										
Blank (B007782-BLK1)				Prepared: 11/27/09 Analyzed: 11/30/09						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							V-05
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.66	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.66	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.66	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							V-05
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B007782 - SW-846 3546											
Blank (B007782-BLK1)				Prepared: 11/27/09 Analyzed: 11/30/09							
Phenol	ND	0.34	mg/Kg wet								
Pyrene	ND	0.17	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet								
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet								
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet								
Surrogate: 2-Fluorophenol	*5.19*		mg/Kg wet	6.67		77.9	30-130				
Surrogate: Phenol-d6	*4.92*		mg/Kg wet	6.67		73.8	30-130				
Surrogate: Nitrobenzene-d5	*2.36*		mg/Kg wet	3.33		70.9	30-130				
Surrogate: 2-Fluorobiphenyl	*2.18*		mg/Kg wet	3.33		65.3	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.46*		mg/Kg wet	6.67		81.9	30-130				
Surrogate: Terphenyl-d14	*2.40*		mg/Kg wet	3.33		72.0	30-130				
LCS (B007782-BS1)				Prepared: 11/27/09 Analyzed: 11/30/09							
Acenaphthene	1.38	0.17	mg/Kg wet	1.67		82.7	40-140				
Acenaphthylene	1.32	0.17	mg/Kg wet	1.67		79.1	40-140				
Acetophenone	0.755	0.34	mg/Kg wet	0.833		90.6	40-140				
Aniline	0.904	0.34	mg/Kg wet	1.67		54.3	10-140				†
Anthracene	1.38	0.17	mg/Kg wet	1.67		83.0	40-140				
Benzo(a)anthracene	1.40	0.17	mg/Kg wet	1.67		84.2	40-140				
Benzo(a)pyrene	1.49	0.17	mg/Kg wet	1.67		89.6	40-140				
Benzo(b)fluoranthene	1.39	0.17	mg/Kg wet	1.67		83.4	40-140				
Benzo(g,h,i)perylene	1.43	0.17	mg/Kg wet	1.67		85.6	40-140			V-05	
Benzo(k)fluoranthene	1.53	0.17	mg/Kg wet	1.67		91.8	40-140				
Bis(2-chloroethoxy)methane	1.72	0.34	mg/Kg wet	1.67		103	40-140				
Bis(2-chloroethyl)ether	1.83	0.34	mg/Kg wet	1.67		110	40-140				
Bis(2-chloroisopropyl)ether	1.46	0.34	mg/Kg wet	1.67		87.4	40-140				
Bis(2-Ethylhexyl)phthalate	1.86	0.34	mg/Kg wet	1.67		112	40-140				
4-Bromophenylphenylether	1.74	0.34	mg/Kg wet	1.67		104	40-140				
Butylbenzylphthalate	1.84	0.66	mg/Kg wet	1.67		110	40-140				
4-Chloroaniline	0.260	0.66	mg/Kg wet	1.67		15.6	10-140				†
2-Chloronaphthalene	1.39	0.34	mg/Kg wet	1.67		83.5	40-140				
2-Chlorophenol	1.64	0.34	mg/Kg wet	1.67		98.5	30-130				
Chrysene	1.45	0.17	mg/Kg wet	1.67		87.2	40-140				
Dibenz(a,h)anthracene	1.55	0.17	mg/Kg wet	1.67		93.1	40-140				
Dibenzofuran	1.70	0.34	mg/Kg wet	1.67		102	40-140				
Di-n-butylphthalate	1.77	0.34	mg/Kg wet	1.67		106	40-140				
1,2-Dichlorobenzene	1.65	0.34	mg/Kg wet	1.67		99.0	40-140				
1,3-Dichlorobenzene	1.60	0.34	mg/Kg wet	1.67		95.9	40-140				
1,4-Dichlorobenzene	1.62	0.34	mg/Kg wet	1.67		97.0	40-140				
3,3-Dichlorobenzidine	0.647	0.17	mg/Kg wet	1.67		38.8	20-140				†
2,4-Dichlorophenol	1.74	0.34	mg/Kg wet	1.67		105	30-130				
Diethylphthalate	1.74	0.34	mg/Kg wet	1.67		105	40-140				
2,4-Dimethylphenol	1.74	0.34	mg/Kg wet	1.67		105	30-130				
Dimethylphthalate	1.72	0.66	mg/Kg wet	1.67		103	40-140				
2,4-Dinitrophenol	1.31	0.66	mg/Kg wet	1.67		78.9	30-130				
2,4-Dinitrotoluene	1.70	0.34	mg/Kg wet	1.67		102	40-140				
2,6-Dinitrotoluene	1.83	0.34	mg/Kg wet	1.67		110	40-140				
Di-n-octylphthalate	2.00	0.66	mg/Kg wet	1.67		120	40-140				
1,2-Diphenylhydrazine (as Azobenzene)	1.88	0.34	mg/Kg wet	1.67		113	40-140				
Fluoranthene	1.37	0.17	mg/Kg wet	1.67		82.4	40-140				
Fluorene	1.36	0.17	mg/Kg wet	1.67		81.3	40-140				
Hexachlorobenzene	1.78	0.34	mg/Kg wet	1.67		107	40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B007782 - SW-846 3546											
LCS (B007782-BS1)				Prepared: 11/27/09 Analyzed: 11/30/09							
Hexachlorobutadiene	1.85	0.34	mg/Kg wet	1.67		111	40-140				
Hexachloroethane	1.63	0.34	mg/Kg wet	1.67		98.0	40-140				
Indeno(1,2,3-cd)pyrene	1.35	0.17	mg/Kg wet	1.67		81.0	40-140			V-05	
Isophorone	1.79	0.34	mg/Kg wet	1.67		108	40-140				
2-Methylnaphthalene	1.56	0.17	mg/Kg wet	1.67		93.7	40-140				
2-Methylphenol	1.66	0.34	mg/Kg wet	1.67		99.8	30-130				
3/4-Methylphenol	1.60	0.34	mg/Kg wet	1.67		96.3	30-130				
Naphthalene	1.40	0.17	mg/Kg wet	1.67		83.9	40-140				
Nitrobenzene	1.70	0.34	mg/Kg wet	1.67		102	40-140				
2-Nitrophenol	1.72	0.34	mg/Kg wet	1.67		103	30-130				
4-Nitrophenol	1.25	0.66	mg/Kg wet	1.67		75.2	30-130				
Pentachlorophenol	1.43	0.34	mg/Kg wet	1.67		85.7	30-130				
Phenanthrene	1.38	0.17	mg/Kg wet	1.67		82.8	40-140				
Phenol	1.47	0.34	mg/Kg wet	1.67		88.0	30-130				
Pyrene	1.38	0.17	mg/Kg wet	1.67		82.8	40-140				
1,2,4-Trichlorobenzene	1.77	0.34	mg/Kg wet	1.67		106	40-140				
2,4,5-Trichlorophenol	1.84	0.34	mg/Kg wet	1.67		111	30-130				
2,4,6-Trichlorophenol	1.76	0.34	mg/Kg wet	1.67		105	30-130				
Surrogate: 2-Fluorophenol	*6.79*		mg/Kg wet	6.67		102	30-130				
Surrogate: Phenol-d6	*6.11*		mg/Kg wet	6.67		91.7	30-130				
Surrogate: Nitrobenzene-d5	*3.32*		mg/Kg wet	3.33		99.5	30-130				
Surrogate: 2-Fluorobiphenyl	*3.00*		mg/Kg wet	3.33		90.1	30-130				
Surrogate: 2,4,6-Tribromophenol	*7.95*		mg/Kg wet	6.67		119	30-130				
Surrogate: Terphenyl-d14	*3.36*		mg/Kg wet	3.33		101	30-130				
LCS Dup (B007782-BSD1)				Prepared: 11/27/09 Analyzed: 11/30/09							
Acenaphthene	1.36	0.17	mg/Kg wet	1.67		81.7	40-140	1.12	30		
Acenaphthylene	1.30	0.17	mg/Kg wet	1.67		78.2	40-140	1.20	30		
Acetophenone	0.764	0.34	mg/Kg wet	0.833		91.7	40-140	1.27	30		
Aniline	1.01	0.34	mg/Kg wet	1.67		60.8	10-140	11.4	50		† ‡
Anthracene	1.38	0.17	mg/Kg wet	1.67		82.5	40-140	0.628	30		
Benzo(a)anthracene	1.45	0.17	mg/Kg wet	1.67		86.8	40-140	3.04	30		
Benzo(a)pyrene	1.48	0.17	mg/Kg wet	1.67		88.6	40-140	1.21	30		
Benzo(b)fluoranthene	1.41	0.17	mg/Kg wet	1.67		84.5	40-140	1.24	30		
Benzo(g,h,i)perylene	1.46	0.17	mg/Kg wet	1.67		87.5	40-140	2.20	30	V-05	
Benzo(k)fluoranthene	1.44	0.17	mg/Kg wet	1.67		86.3	40-140	6.22	30		
Bis(2-chloroethoxy)methane	1.71	0.34	mg/Kg wet	1.67		103	40-140	0.854	30		
Bis(2-chloroethyl)ether	1.81	0.34	mg/Kg wet	1.67		109	40-140	0.787	30		
Bis(2-chloroisopropyl)ether	1.43	0.34	mg/Kg wet	1.67		86.0	40-140	1.57	30		
Bis(2-Ethylhexyl)phthalate	1.78	0.34	mg/Kg wet	1.67		107	40-140	4.41	30		
4-Bromophenylphenylether	1.74	0.34	mg/Kg wet	1.67		104	40-140	0.173	30		
Butylbenzylphthalate	1.81	0.66	mg/Kg wet	1.67		108	40-140	1.79	30		
4-Chloroaniline	0.296	0.66	mg/Kg wet	1.67		17.8	10-140	12.9	30		†
2-Chloronaphthalene	1.40	0.34	mg/Kg wet	1.67		83.8	40-140	0.383	30		
2-Chlorophenol	1.67	0.34	mg/Kg wet	1.67		99.9	30-130	1.43	30		
Chrysene	1.44	0.17	mg/Kg wet	1.67		86.7	40-140	0.621	30		
Dibenz(a,h)anthracene	1.59	0.17	mg/Kg wet	1.67		95.6	40-140	2.65	30		
Dibenzofuran	1.69	0.34	mg/Kg wet	1.67		101	40-140	0.571	30		
Di-n-butylphthalate	1.75	0.34	mg/Kg wet	1.67		105	40-140	1.06	30		
1,2-Dichlorobenzene	1.63	0.34	mg/Kg wet	1.67		97.8	40-140	1.20	30		
1,3-Dichlorobenzene	1.60	0.34	mg/Kg wet	1.67		95.9	40-140	0.0208	30		
1,4-Dichlorobenzene	1.62	0.34	mg/Kg wet	1.67		96.9	40-140	0.0825	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B007782 - SW-846 3546											
LCS Dup (B007782-BSD1)				Prepared: 11/27/09 Analyzed: 11/30/09							
3,3-Dichlorobenzidine	0.745	0.17	mg/Kg wet	1.67		44.7	20-140	14.1	50		† ‡
2,4-Dichlorophenol	1.75	0.34	mg/Kg wet	1.67		105	30-130	0.363	30		
Diethylphthalate	1.72	0.34	mg/Kg wet	1.67		103	40-140	1.35	30		
2,4-Dimethylphenol	1.75	0.34	mg/Kg wet	1.67		105	30-130	0.248	30		
Dimethylphthalate	1.70	0.66	mg/Kg wet	1.67		102	40-140	1.11	30		
2,4-Dinitrophenol	1.52	0.66	mg/Kg wet	1.67		91.1	30-130	14.4	30		
2,4-Dinitrotoluene	1.80	0.34	mg/Kg wet	1.67		108	40-140	5.94	30		
2,6-Dinitrotoluene	1.81	0.34	mg/Kg wet	1.67		109	40-140	0.990	30		
Di-n-octylphthalate	1.84	0.66	mg/Kg wet	1.67		110	40-140	8.64	30		
1,2-Diphenylhydrazine (as Azobenzene)	1.89	0.34	mg/Kg wet	1.67		113	40-140	0.619	30		
Fluoranthene	1.40	0.17	mg/Kg wet	1.67		83.7	40-140	1.54	30		
Fluorene	1.35	0.17	mg/Kg wet	1.67		81.1	40-140	0.295	30		
Hexachlorobenzene	1.78	0.34	mg/Kg wet	1.67		107	40-140	0.206	30		
Hexachlorobutadiene	1.81	0.34	mg/Kg wet	1.67		109	40-140	2.09	30		
Hexachloroethane	1.60	0.34	mg/Kg wet	1.67		96.3	40-140	1.81	30		
Indeno(1,2,3-cd)pyrene	1.39	0.17	mg/Kg wet	1.67		83.7	40-140	3.28	30	V-05	
Isophorone	1.76	0.34	mg/Kg wet	1.67		106	40-140	1.89	30		
2-Methylnaphthalene	1.55	0.17	mg/Kg wet	1.67		93.3	40-140	0.428	30		
2-Methylphenol	1.67	0.34	mg/Kg wet	1.67		100	30-130	0.180	30		
3/4-Methylphenol	1.62	0.34	mg/Kg wet	1.67		97.5	30-130	1.20	30		
Naphthalene	1.40	0.17	mg/Kg wet	1.67		83.8	40-140	0.167	30		
Nitrobenzene	1.70	0.34	mg/Kg wet	1.67		102	40-140	0.393	30		
2-Nitrophenol	1.74	0.34	mg/Kg wet	1.67		105	30-130	1.08	30		
4-Nitrophenol	1.34	0.66	mg/Kg wet	1.67		80.5	30-130	6.73	50		‡
Pentachlorophenol	1.51	0.34	mg/Kg wet	1.67		90.8	30-130	5.85	30		
Phenanthrene	1.41	0.17	mg/Kg wet	1.67		84.6	40-140	2.17	30		
Phenol	1.51	0.34	mg/Kg wet	1.67		90.5	30-130	2.89	30		
Pyrene	1.37	0.17	mg/Kg wet	1.67		82.5	40-140	0.387	30		
1,2,4-Trichlorobenzene	1.75	0.34	mg/Kg wet	1.67		105	40-140	0.757	30		
2,4,5-Trichlorophenol	1.84	0.34	mg/Kg wet	1.67		111	30-130	0.0542	30		
2,4,6-Trichlorophenol	1.74	0.34	mg/Kg wet	1.67		104	30-130	0.877	30		
Surrogate: 2-Fluorophenol	*6.66*		mg/Kg wet	6.67		100	30-130				
Surrogate: Phenol-d6	*6.22*		mg/Kg wet	6.67		93.3	30-130				
Surrogate: Nitrobenzene-d5	*3.35*		mg/Kg wet	3.33		100	30-130				
Surrogate: 2-Fluorobiphenyl	*3.00*		mg/Kg wet	3.33		89.9	30-130				
Surrogate: 2,4,6-Tribromophenol	*7.87*		mg/Kg wet	6.67		118	30-130				
Surrogate: Terphenyl-d14	*3.38*		mg/Kg wet	3.33		101	30-130				

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B007778 - SW-846 3546										
Blank (B007778-BLK1)				Prepared: 11/27/09 Analyzed: 11/30/09						
Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.172*		mg/Kg wet	0.200		85.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.217*		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.203*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.199*		mg/Kg wet	0.200		99.5	30-150			
LCS (B007778-BS1)				Prepared: 11/27/09 Analyzed: 11/30/09						
Aroclor-1016	0.17	0.10	mg/Kg wet	0.200		86.0	40-140			
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		101	40-140			
Aroclor-1260	0.16	0.10	mg/Kg wet	0.200		81.2	40-140			
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200		110	40-140			
Surrogate: Decachlorobiphenyl	*0.169*		mg/Kg wet	0.200		84.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.213*		mg/Kg wet	0.200		107	30-150			
Surrogate: Tetrachloro-m-xylene	*0.190*		mg/Kg wet	0.200		95.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.189*		mg/Kg wet	0.200		94.5	30-150			
LCS Dup (B007778-BSD1)				Prepared: 11/27/09 Analyzed: 11/30/09						
Aroclor-1016	0.17	0.10	mg/Kg wet	0.200		83.8	40-140	2.57	30	
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140	5.86	30	
Aroclor-1260	0.17	0.10	mg/Kg wet	0.200		83.1	40-140	2.38	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		116	40-140	4.84	30	
Surrogate: Decachlorobiphenyl	*0.171*		mg/Kg wet	0.200		85.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.216*		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene	*0.198*		mg/Kg wet	0.200		99.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.198*		mg/Kg wet	0.200		98.9	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B007780 - SW-846 3546										
Blank (B007780-BLK1)				Prepared: 11/27/09 Analyzed: 11/30/09						
TPH as Diesel	ND	8.3	mg/Kg wet							
LCS (B007780-BS1)				Prepared: 11/27/09 Analyzed: 11/30/09						
TPH as Diesel	29.2	8.3	mg/Kg wet	33.3		87.5	40-140			
LCS Dup (B007780-BSD1)				Prepared: 11/27/09 Analyzed: 11/30/09						
TPH as Diesel	28.0	8.3	mg/Kg wet	33.3		83.9	40-140	4.16	30	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B007796 - SW-846 3050B										
Blank (B007796-BLK1)				Prepared & Analyzed: 11/30/09						
Antimony	ND	4.0	mg/Kg							
Arsenic	ND	2.5	mg/Kg							
Barium	ND	5.0	mg/Kg							
Beryllium	ND	0.25	mg/Kg							
Cadmium	ND	0.25	mg/Kg							
Chromium	ND	0.50	mg/Kg							
Lead	ND	0.75	mg/Kg							
Nickel	ND	0.50	mg/Kg							
Selenium	ND	5.0	mg/Kg							
Silver	ND	0.50	mg/Kg							
Thallium	ND	3.0	mg/Kg							
Vanadium	ND	5.0	mg/Kg							
Zinc	ND	1.0	mg/Kg							
LCS (B007796-BS1)				Prepared & Analyzed: 11/30/09						
Antimony	83.3	8.0	mg/Kg	81.5		102	30-203.7			
Arsenic	163	5.0	mg/Kg	158		103	81.6-118.4			
Barium	386	10	mg/Kg	348		111	80.7-119.3			
Beryllium	111	0.50	mg/Kg	106		104	81.6-118.9			
Cadmium	186	0.50	mg/Kg	187		99.7	82.4-117.6			
Chromium	95.7	1.0	mg/Kg	89.5		107	78.8-120.7			
Lead	171	1.5	mg/Kg	172		99.5	79.1-120.3			
Nickel	101	1.0	mg/Kg	99.0		102	81.2-119.2			
Selenium	147	10	mg/Kg	148		99.6	78.4-120.9			
Silver	69.1	1.0	mg/Kg	66.0		105	66.2-133.6			
Thallium	304	6.0	mg/Kg	268		113	77.6-122.4			
Vanadium	215	10	mg/Kg	194		111	79.4-120.1			
Zinc	382	2.0	mg/Kg	394		97.0	80.5-119.3			
LCS (B007796-BS2)				Prepared & Analyzed: 11/30/09						
Lead	0.879	0.75	mg/Kg	0.749		117	79.1-120.3			
LCS Dup (B007796-BSD1)				Prepared & Analyzed: 11/30/09						
Antimony	85.4	8.0	mg/Kg	81.4		105	30-203.7	2.46	30	
Arsenic	175	5.0	mg/Kg	158		111	81.6-118.4	7.05	30	
Barium	393	10	mg/Kg	348		113	80.7-119.3	1.60	30	
Beryllium	114	0.50	mg/Kg	106		108	81.6-118.9	3.03	30	
Cadmium	193	0.50	mg/Kg	187		103	82.4-117.6	3.44	30	
Chromium	92.9	1.0	mg/Kg	89.4		104	78.8-120.7	3.03	30	
Lead	181	1.5	mg/Kg	172		105	79.1-120.3	5.81	30	
Nickel	103	1.0	mg/Kg	98.9		105	81.2-119.2	2.64	30	
Selenium	157	10	mg/Kg	148		106	78.4-120.9	6.16	30	
Silver	71.9	1.0	mg/Kg	65.9		109	66.2-133.6	4.00	30	
Thallium	314	6.0	mg/Kg	268		117	77.6-122.4	3.52	30	
Vanadium	220	10	mg/Kg	194		114	79.4-120.1	2.52	30	
Zinc	400	2.0	mg/Kg	394		102	80.5-119.3	4.62	30	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B007796 - SW-846 3050B											
Duplicate (B007796-DUP1)		**Source: 09K0607-01**		Prepared & Analyzed: 11/30/09							
Antimony	ND	4.0	mg/Kg		ND				NC	35	
Arsenic	3.93	2.5	mg/Kg		3.54				10.4	35	
Barium	129	5.0	mg/Kg		129				0.668	35	
Beryllium	ND	0.25	mg/Kg		ND				NC	35	
Cadmium	ND	0.25	mg/Kg		ND				NC	35	
Chromium	89.8	0.50	mg/Kg		89.5				0.392	35	
Lead	1.72	0.75	mg/Kg		1.67				2.41	35	
Nickel	37.2	0.50	mg/Kg		37.6				1.18	35	
Selenium	ND	5.0	mg/Kg		ND				NC	35	
Silver	ND	0.50	mg/Kg		ND				NC	35	
Thallium	3.63	3.0	mg/Kg		ND				NC	35	
Vanadium	40.0	5.0	mg/Kg		39.0				2.67	35	
Zinc	32.4	1.0	mg/Kg		32.9				1.66	35	
Matrix Spike (B007796-MS1)		**Source: 09K0607-01**		Prepared & Analyzed: 11/30/09							
Antimony	11.7	4.0	mg/Kg	25.0	ND	**46.7**	*	75-125			MS-07
Arsenic	30.8	2.5	mg/Kg	25.0	3.54	109		75-125			
Barium	169	5.0	mg/Kg	25.0	129	**163**	*	75-125			MS-19
Beryllium	24.1	0.25	mg/Kg	25.0	ND	96.4		75-125			
Cadmium	25.2	0.25	mg/Kg	25.0	0.184	100		75-125			
Chromium	118	0.50	mg/Kg	25.0	89.5	113		75-125			
Lead	25.4	0.75	mg/Kg	25.0	1.67	95.0		75-125			
Nickel	70.3	0.50	mg/Kg	25.0	37.6	**131**	*	75-125			MS-11
Selenium	24.0	5.0	mg/Kg	25.0	ND	96.3		75-125			
Silver	25.8	0.50	mg/Kg	25.0	0.240	102		75-125			
Thallium	28.9	3.0	mg/Kg	25.0	ND	116		75-125			
Vanadium	67.6	5.0	mg/Kg	25.0	39.0	115		75-125			
Zinc	55.3	1.0	mg/Kg	25.0	32.9	89.4		75-125			
Batch B007799 - SW-846 7471A											
Blank (B007799-BLK1)				Prepared & Analyzed: 11/30/09							
Mercury	ND	0.025	mg/Kg								
LCS (B007799-BS1)				Prepared & Analyzed: 11/30/09							
Mercury	1.00	0.025	mg/Kg	1.15		86.9		66-132			
LCS Dup (B007799-BSD1)				Prepared & Analyzed: 11/30/09							
Mercury	0.956	0.025	mg/Kg	1.09		87.9		66-132	4.70	30	
Duplicate (B007799-DUP1)		**Source: 09K0607-01**		Prepared & Analyzed: 11/30/09							
Mercury	ND	0.015	mg/Kg		ND				NC	35	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B007799 - SW-846 7471A										
Matrix Spike (B007799-MS1)		**Source: 09K0607-01**		Prepared & Analyzed: 11/30/09						
Mercury	0.300	0.015	mg/Kg	0.296	ND	101	75-125			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
MS-11	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010B in Product/Solid	
Antimony	CT,NH,NY
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Beryllium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY
Lead	CT,NH,NY
Nickel	CT,NH,NY
Selenium	CT,NH,NY
Silver	CT,NH,NY
Thallium	CT,NH,NY
Vanadium	CT,NH,NY
Zinc	CT,NH,NY
SW-846 7471A in Product/Solid	
Mercury	CT,NH,NY
SW-846 8082 in Soil	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY
SW-846 8270C in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270C in Soil	
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine (as Azobenzene)	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2009
NC	North Carolina Div. of Water Quality	652	12/31/2009
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	03/23/2010

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
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www.contestlabs.com

CHAIN OF CUSTODY RECORD

09K0607

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: TRC
Address: 650 Suffolk Street
Lowell MA 01854
Attention: David Sullivan
Project Location: Walsh Field (New Bedford)
Sampled By: Jeff Saunders

Telephone: (978) 656-3565
Project # 115058
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: dsullivan@trcsolutions.com
Format: ☒ EXCEL ☐ PDF ☒ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☒ yes 2007 proposal date

State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP-14 Metals + Hg	TCLP Metals (RCRA 8) (Hold)	PCBs	SVOCs	TPH - 8100						
									2	2	1	2	1						
									I	I	I	I	I						
									G	G	G	G	G						
	Stone-1	01	11/24/09	1000	X		S	U	X	X	X	X	X						(Hold TCLP)

# of containers
**Preservation
~Cont.Code

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

Client Comments:
Hold all analyses pending authorization by TRC

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [signature]	Date/Time: 11/25/09 1230
Received by: (signature) [signature]	Date/Time: 11-25-09 1230
Relinquished by: (signature) [signature]	Date/Time: 11-25-09 1500
Received by: (signature) [signature] Temp 4°C	Date/Time: 11/25/09 15:00

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other

RUSH *
☒ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? MCP S-1 / S-2
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's: See Quote

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

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39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: TRC MA RECEIVED BY: KO DATE: 11/25/09

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice [X] Direct from Sampling [ ] Ambient [ ] In Cooler(s) [X]

Were the samples received in Temperature Compliance of (2-6°C)? Yes No

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4°C

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes No Stored where: [ ]

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: [ ]

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	8
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

Do all samples have the proper pH: Yes No N/A

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Con-Test Analytical Laboratory	Project #:	09K0607
Project Location:	Walsh Field, New Bedford	MADEP RTN1[1]:	

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

09K0607-01

Sample Matrices: Product/Solid

MCP SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 (X)	8021B ( )	EPH ( )	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M -- SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S -- SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☑ Yes	☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☑ Yes	☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
D	VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☐ Yes	☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☑ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes	☐ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:		Position:	Laboratory Manager
Printed Name:	Daren J. Damboragian	Date:	11/30/09