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TRC Reference Number: 115058

May 11, 2010

Cheryl Henlin
Department of Environmental Stewardship
City of New Bedford
133 William Street
New Bedford, Massachusetts 02740

Subject: Groundwater Monitoring Results
Keith Middle School, New Bedford, Massachusetts

Dear Ms. Henlin:

In accordance with the October 20, 2006 Long-Term Monitoring and Maintenance Implementation Plan (LTMMIP) for Keith Middle School (KMS), TRC Environmental Corporation (TRC) collected groundwater samples from three monitoring wells on April 21, 2010. The attached table and laboratory data reports provide the results from this sampling effort.

Please note that the data are compared to Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) Method 1 GW-2 and GW-3 groundwater cleanup criteria per the LTMMIP, but also to the GW-1 criteria because one of the monitoring wells (MW-3) is within 500 feet of a suspected potable private groundwater supply well at 249 Summit Street.

TRC appreciates the opportunity to support your project. If you have any questions or comments, please do not hesitate to contact me at 978-656-3565.

Sincerely,

TRC

David M. Sullivan, LSP, CHMM
Senior Project Manager

Enclosure

Table 1
Summary of Analytical Results for Groundwater Samples -- April 2010
Keith Middle School
New Bedford, Massachusetts

Analysis	Analyte			Sample ID:	MW-1		MW-2	MW-3
				Sample Date:	4/21/2010	4/21/2010	4/21/2010	4/21/2010
		GW-1	GW-2	GW-3		Field Dup		
VOCs								
(ug/L)	Acetone	6,300	50,000	50,000	50 U	50 U	50 U	50 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U
	Benzene	5	2,000	10,000	1.0 U	1.0 U	1.0 U	1.0 U
	Bromobenzene	NS	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U
	Bromochloromethane	NS	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U
	Bromodichloromethane	3	6	50,000	1.0 U	1.0 U	1.0 U	1.0 U
	Bromoform	4	700	50,000	1.0 U	1.0 U	1.0 U	1.0 U
	Bromomethane	10	7	800	2.0 U	2.0 U	2.0 U	2.0 U
	2-Butanone (MEK)	4,000	50,000	50,000	20 U	20 U	20 U	20 U
	n-Butylbenzene	200(1)	7,000(1)	50,000(1)	1.0 U	1.0 U	1.0 U	1.0 U
	sec-Butylbenzene	200(1)	7,000(1)	50,000(1)	1.0 U	1.0 U	1.0 U	1.0 U
	tert-Butylbenzene	200(1)	7,000(1)	50,000(1)	1.0 U	1.0 U	1.0 U	1.0 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U
	Carbon Disulfide	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U
	Carbon Tetrachloride	5	2	5,000	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorobenzene	100	200	1,000	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorodibromomethane	2	20	50,000	0.50 U	0.50 U	0.50 U	0.50 U
	Chloroethane	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U
	Chloroform	70	50	20,000	2.0 U	2.0 U	2.0 U	2.0 U
	Chloromethane	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U
	2-Chlorotoluene	NS	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U
	4-Chlorotoluene	NS	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U
	1,2-Dibromoethane (EDB)	0	2	50,000	0.50 U	0.50 U	0.50 U	0.50 U
	Dibromomethane	NS	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichlorobenzene	600	2,000	2,000	1.0 U	1.0 U	1.0 U	1.0 U
	1,3-Dichlorobenzene	40	2,000	50,000	1.0 U	1.0 U	1.0 U	1.0 U
	1,4-Dichlorobenzene	5	200	8,000	1.0 U	1.0 U	1.0 U	1.0 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U
	1,1-Dichloroethane	70	1,000	20,000	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichloroethane	5	5	20,000	1.0 U	1.0 U	1.0 U	1.0 U
	1,1-Dichloroethylene	7	80	30,000	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-Dichloroethylene	70	100	50,000	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-Dichloroethylene	100	90	50,000	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichloropropane	5	3	50,000	1.0 U	1.0 U	1.0 U	1.0 U
	1,3-Dichloropropane	NS	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U
	2,2-Dichloropropane	NS	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U
	1,1-Dichloropropene	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U
	cis-1,3-Dichloropropene	0.4(2)	10(2)	200(2)	0.50 U	0.50 U	0.50 U	0.50 U
	trans-1,3-Dichloropropene	0.4(2)	10(2)	200(2)	0.50 U	0.50 U	0.50 U	0.50 U
	Diethyl Ether	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U
	Diisopropyl Ether (DIPE)	NS	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U
	1,4-Dioxane	3	6,000	50,000	50 U	50 U	50 U	50 U
	Ethylbenzene	700	20,000	5,000	1.0 U	1.0 U	1.0 U	1.0 U
	Hexachlorobutadiene	1	1	3,000	0.50 U	0.50 U	0.50 U	0.50 U
	2-Hexanone (MBK)	NS	NS	NS	10 U	10 U	10 U	10 U
	Isopropylbenzene (Cumene)	200(1)	7,000(1)	50,000(1)	1.0 U	1.0 U	1.0 U	1.0 U
	p-Isopropyltoluene (p-Cymene)	200(1)	7,000(1)	50,000(1)	1.0 U	1.0 U	1.0 U	1.0 U
	Methyl tert-Butyl Ether (MTBE)	70	50,000	50,000	1.0 U	1.0 U	1.0 U	1.0 U
	Methylene Chloride	5	10,000	50,000	5.0 U	5.0 U	5.0 U	5.0 U
	4-Methyl-2-pentanone (MIBK)	350	50,000	50,000	10 U	10 U	10 U	10 U
	Naphthalene	140	1,000	20,000	2.0 U	2.0 U	2.0 U	2.0 U
	n-Propylbenzene	200(1)	7,000(1)	50,000(1)	1.0 U	1.0 U	1.0 U	1.0 U
	Styrene	100	100	6,000	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,1,2-Tetrachloroethane	5	10	50,000	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,2,2-Tetrachloroethane	2	9	50,000	0.50 U	0.50 U	0.50 U	0.50 U
	Tetrachloroethylene	5	50	30,000	1.0 U	1.0 U	1.0 U	1.0 U

Table 1
Summary of Analytical Results for Groundwater Samples -- April 2010
Keith Middle School
New Bedford, Massachusetts

Analysis	Analyte			Sample ID:	MW-1		MW-2	MW-3
				Sample Date:	4/21/2010	4/21/2010	4/21/2010	4/21/2010
		GW-1	GW-2	GW-3		Field Dup		
	Tetrahydrofuran	NS	NS	NS	10 U	10 U	10 U	10 U
	Toluene	1,000	50,000	40,000	1.0 U	1.0 U	1.0 U	1.0 U
	1,2,3-Trichlorobenzene	NS	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U
	1,2,4-Trichlorobenzene	70	2,000	50,000	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,1-Trichloroethane	200	4,000	20,000	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,2-Trichloroethane	5	900	50,000	1.0 U	1.0 U	1.0 U	1.0 U
	Trichloroethylene	5	30	5,000	1.0 U	1.0 U	1.0 U	1.0 U
	Trichlorofluoromethane (Freon 11)	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,3-Trichloropropane	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,4-Trimethylbenzene	200(1)	7,000(1)	50,000(1)	1.0 U	1.0 U	1.0 U	1.0 U
	1,3,5-Trimethylbenzene	200(1)	7,000(1)	50,000(1)	1.0 U	1.0 U	1.0 U	1.0 U
	Vinyl Chloride	2	2	50,000	2.0 U	2.0 U	2.0 U	2.0 U
	m+p Xylene	10,000	9,000	5,000	2.0 U	2.0 U	2.0 U	2.0 U
	o-Xylene	10,000	9,000	5,000	1.0 U	1.0 U	1.0 U	1.0 U
PCBs								
(ug/L)	Aroclor 1016	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U
	Aroclor 1221	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U
	Aroclor 1232	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U
	Aroclor 1242	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U
	Aroclor 1248	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U
	Aroclor 1254	0.5	5	10	**0.0208 J**	**0.0174 J**	0.0500 U	0.0500 U
	Aroclor 1260	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U
	Total PCBs	0.5	5	10	**0.0208 J**	**0.0174 J**	0.0500 U	0.0500 U
Metals, dissolved								
(ug/L)	Arsenic	10	NS	900	10 U	10 U	10 U	10 U
	Barium	2000	NS	50,000	**130**	**130**	**190**	**76**
	Cadmium	5	NS	4	4.0 U	4.0 U	4.0 U	4.0 U
	Chromium	100	NS	300	10 U	10 U	10 U	10 U
	Lead	15	NS	10	10 U	10 U	10 U	10 U
	Mercury	2	NS	20	0.10 U	0.10 U	0.10 U	0.10 U
	Selenium	50	NS	100	50 U	50 U	50 U	50 U
	Silver	100	NS	7	5.0 U	5.0 U	5.0 U	5.0 U

Notes:

ug/L - micrograms per liter.

J - Estimated value.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

VOCs - Volatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

(1) - MassDEP Method 1 standards for C9-C10 aromatic hydrocarbons used.

(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.

Laboratory Data Packages

VOCs & Dissolved RCRA-8 Metals

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

April 29, 2010

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

Project Location: City Of New Bedford-KMS
Client Job Number:
Project Number: 115058
Laboratory Work Order Number: 10D0636

Enclosed are results of analyses for samples received by the laboratory on April 22, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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

REPORT DATE: 4/29/2010

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 115058

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10D0636

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

PROJECT LOCATION: City Of New Bedford-KMS

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-1	10D0636-01	Ground Water		SW-846 6010B	
				SW-846 7470A	
				SW-846 8260B	
MW-101	10D0636-02	Ground Water		SW-846 6010B	
				SW-846 7470A	
				SW-846 8260B	
MW-2	10D0636-03	Ground Water		SW-846 6010B	
				SW-846 7470A	
				SW-846 8260B	
MW-3	10D0636-04	Ground Water		SW-846 6010B	
				SW-846 7470A	
				SW-846 8260B	

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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.

In method 6010, only RCRA 8 metals were requested and reported.

SW-846 8260B

Qualifications:

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Acetone

B012917-BSD1

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

Analyte & Samples(s) Qualified:

Bromomethane, Dichlorodifluoromethane (Freon 12)

10D0636-04[MW-3], B012917-MS1, B012917-MSD1

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane, Chloromethane, Naphthalene

B012917-MSD1

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:

1,2,3-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), 2,2-Dichloropropane, Naphthalene, tert-Amyl Methyl Ether (TAME), tert-Butyl Ethyl Ether (TBEE)

10D0636-01[MW-1], 10D0636-02[MW-101], 10D0636-03[MW-2], 10D0636-04[MW-3], B012917-BLK1, B012917-BS1, B012917-BSD1, B012917-MS1, B012917-MSD1

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

Analyte & Samples(s) Qualified:

Bromomethane

B012917-BS1, B012917-BSD1, B012917-MS1, B012917-MSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane

10D0636-01[MW-1], 10D0636-02[MW-101], 10D0636-03[MW-2], 10D0636-04[MW-3], B012917-BLK1, B012917-BS1, B012917-BSD1, B012917-MS1, B012917-MSD1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260B

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for “difficult analytes” where recovery control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, vinyl chloride, chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, bromomethane and 2,2-dichloropropane.

Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for “difficult analytes” where RPDs of 50% are used and/or unless otherwise listed in this narrative. Difficult analyte: 1,4-dioxane

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.

Christopher J. Hall
Project Chemist Supervisor

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Of New Bedford-KMS | Sample Description: | Work Order: 10D0636

Date Received: 4/22/2010

Field Sample #: MW-1 | Sampled: 4/21/2010 10:15

Sample ID: 10D0636-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Of New Bedford-KMS | Sample Description: | Work Order: 10D0636

Date Received: 4/22/2010

Field Sample #: MW-1 | Sampled: 4/21/2010 10:15

Sample ID: 10D0636-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 18:30	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 18:30	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	102	70-130		4/26/10 18:30
Toluene-d8	103	70-130		4/26/10 18:30
4-Bromofluorobenzene	86.4	70-130		4/26/10 18:30

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Of New Bedford-KMS
Sample Description:
Work Order: 10D0636

Date Received: 4/22/2010

Field Sample #: MW-1
Sampled: 4/21/2010 10:15

Sample ID: 10D0636-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:07	OP
Barium	0.13	0.050	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:07	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:07	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:07	OP
Lead	ND	0.010	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:07	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	4/26/10	4/26/10 15:09	MPF
Selenium	ND	0.050	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:07	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010B	4/27/10	4/27/10 17:01	OP

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Of New Bedford-KMS | Sample Description: | Work Order: 10D0636

Date Received: 4/22/2010

Field Sample #: MW-101 | Sampled: 4/21/2010 10:50

Sample ID: 10D0636-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Of New Bedford-KMS | Sample Description: | Work Order: 10D0636

Date Received: 4/22/2010

Field Sample #: MW-101 | Sampled: 4/21/2010 10:50

Sample ID: 10D0636-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 19:02	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:02	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	102	70-130		4/26/10 19:02
Toluene-d8	102	70-130		4/26/10 19:02
4-Bromofluorobenzene	85.1	70-130		4/26/10 19:02

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Of New Bedford-KMS
Sample Description:
Work Order: 10D0636

Date Received: 4/22/2010

Field Sample #: MW-101
Sampled: 4/21/2010 10:50

Sample ID: 10D0636-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:10	OP
Barium	0.13	0.050	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:10	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:10	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:10	OP
Lead	ND	0.010	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:10	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	4/26/10	4/26/10 15:11	MPF
Selenium	ND	0.050	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:10	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010B	4/27/10	4/27/10 17:06	OP

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Of New Bedford-KMS | Sample Description: | Work Order: 10D0636

Date Received: 4/22/2010

Field Sample #: MW-2 | Sampled: 4/21/2010 12:50

Sample ID: 10D0636-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Of New Bedford-KMS
Sample Description:
Work Order: 10D0636

Date Received: 4/22/2010

Field Sample #: MW-2
Sampled: 4/21/2010 12:50

Sample ID: 10D0636-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 19:34	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 19:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	102	70-130		4/26/10 19:34
Toluene-d8	104	70-130		4/26/10 19:34
4-Bromofluorobenzene	84.4	70-130		4/26/10 19:34

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Of New Bedford-KMS
Sample Description:
Work Order: 10D0636

Date Received: 4/22/2010

Field Sample #: MW-2
Sampled: 4/21/2010 12:50

Sample ID: 10D0636-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:14	OP
Barium	0.19	0.050	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:13	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:14	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:14	OP
Lead	ND	0.010	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:14	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	4/26/10	4/26/10 15:13	MPF
Selenium	ND	0.050	mg/L	1		SW-846 6010B	4/23/10	4/26/10 14:14	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010B	4/27/10	4/27/10 17:23	OP

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Of New Bedford-KMS | Sample Description: | Work Order: 10D0636

Date Received: 4/22/2010

Field Sample #: MW-3 | Sampled: 4/21/2010 15:15

Sample ID: 10D0636-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Bromomethane	ND	2.0	µg/L	1	MS-09	SW-846 8260B	4/26/10	4/26/10 20:06	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	MS-09	SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Of New Bedford-KMS
Sample Description:
Work Order: 10D0636

Date Received: 4/22/2010

Field Sample #: MW-3
Sampled: 4/21/2010 15:15

Sample ID: 10D0636-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 20:06	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	4/26/10	4/26/10 20:06	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	104	70-130		4/26/10 20:06
Toluene-d8	104	70-130		4/26/10 20:06
4-Bromofluorobenzene	85.2	70-130		4/26/10 20:06

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City Of New Bedford-KMS
Sample Description:
Work Order: 10D0636

Date Received: 4/22/2010

Field Sample #: MW-3
Sampled: 4/21/2010 15:15

Sample ID: 10D0636-04

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010B	4/23/10	4/26/10 13:25	OP
Barium	0.076	0.050	mg/L	1		SW-846 6010B	4/23/10	4/26/10 13:25	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010B	4/23/10	4/26/10 13:25	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010B	4/23/10	4/26/10 13:25	OP
Lead	ND	0.010	mg/L	1		SW-846 6010B	4/23/10	4/26/10 13:25	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	4/26/10	4/26/10 15:14	MPF
Selenium	ND	0.050	mg/L	1		SW-846 6010B	4/23/10	4/26/10 13:25	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010B	4/27/10	4/27/10 16:39	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3005A Dissolved-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10D0636-01 [MW-1]	B012871	50.0	50.0	04/23/10
10D0636-02 [MW-101]	B012871	50.0	50.0	04/23/10
10D0636-03 [MW-2]	B012871	50.0	50.0	04/23/10
10D0636-04 [MW-3]	B012871	50.0	50.0	04/23/10

Prep Method: SW-846 3005A Dissolved-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10D0636-01 [MW-1]	B012954	50.0	50.0	04/27/10
10D0636-02 [MW-101]	B012954	50.0	50.0	04/27/10
10D0636-03 [MW-2]	B012954	50.0	50.0	04/27/10
10D0636-04 [MW-3]	B012954	50.0	50.0	04/27/10

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10D0636-01 [MW-1]	B012908	6.00	6.00	04/26/10
10D0636-02 [MW-101]	B012908	6.00	6.00	04/26/10
10D0636-03 [MW-2]	B012908	6.00	6.00	04/26/10
10D0636-04 [MW-3]	B012908	6.00	6.00	04/26/10

Prep Method: SW-846 5030B-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10D0636-01 [MW-1]	B012917	5	5.00	04/26/10
10D0636-02 [MW-101]	B012917	5	5.00	04/26/10
10D0636-03 [MW-2]	B012917	5	5.00	04/26/10
10D0636-04 [MW-3]	B012917	5	5.00	04/26/10

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B012917 - SW-846 5030B										
Blank (B012917-BLK1)				Prepared & Analyzed: 04/26/10						
Acetone	ND	50	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							V-05
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							V-05
Carbon Disulfide	ND	2.0	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							V-05
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B012917 - SW-846 5030B											
Blank (B012917-BLK1)				Prepared & Analyzed: 04/26/10							
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L							V-05	
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*25.4*		µg/L	25.0		102	70-130				
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*22.0*		µg/L	25.0		87.8	70-130				
LCS (B012917-BS1)				Prepared & Analyzed: 04/26/10							
Acetone	306	50	µg/L	200		153	70-160				†
tert-Amyl Methyl Ether (TAME)	15.9	0.50	µg/L	20.0		79.3	70-130			V-05	
Benzene	17.7	1.0	µg/L	20.0		88.5	70-130				
Bromobenzene	18.3	1.0	µg/L	20.0		91.6	70-130				
Bromochloromethane	18.0	1.0	µg/L	20.0		90.0	70-130				
Bromodichloromethane	17.5	1.0	µg/L	20.0		87.7	70-130				
Bromoform	23.9	1.0	µg/L	20.0		120	70-130				
Bromomethane	11.4	2.0	µg/L	20.0		56.8	40-160			V-06	†
2-Butanone (MEK)	218	20	µg/L	200		109	40-160				†
n-Butylbenzene	17.5	1.0	µg/L	20.0		87.6	70-130				
sec-Butylbenzene	18.0	1.0	µg/L	20.0		90.0	70-130				
tert-Butylbenzene	17.8	1.0	µg/L	20.0		88.8	70-130				
tert-Butyl Ethyl Ether (TBEE)	15.7	0.50	µg/L	20.0		78.6	70-130			V-05	
Carbon Disulfide	15.3	2.0	µg/L	20.0		76.6	70-130				
Carbon Tetrachloride	17.7	1.0	µg/L	20.0		88.3	70-130				
Chlorobenzene	20.5	1.0	µg/L	20.0		103	70-130				
Chlorodibromomethane	20.3	0.50	µg/L	20.0		102	70-130				
Chloroethane	16.9	2.0	µg/L	20.0		84.6	70-130				
Chloroform	17.7	2.0	µg/L	20.0		88.5	70-130				
Chloromethane	13.7	2.0	µg/L	20.0		68.4	40-160				†
2-Chlorotoluene	19.1	1.0	µg/L	20.0		95.4	70-130				
4-Chlorotoluene	20.1	1.0	µg/L	20.0		101	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	15.5	5.0	µg/L	20.0		77.5	70-130			V-05	
1,2-Dibromoethane (EDB)	19.1	0.50	µg/L	20.0		95.3	70-130				
Dibromomethane	19.0	1.0	µg/L	20.0		94.8	70-130				
1,2-Dichlorobenzene	18.7	1.0	µg/L	20.0		93.4	70-130				
1,3-Dichlorobenzene	18.6	1.0	µg/L	20.0		93.0	70-130				
1,4-Dichlorobenzene	19.0	1.0	µg/L	20.0		94.8	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B012917 - SW-846 5030B											
LCS (B012917-BS1)				Prepared & Analyzed: 04/26/10							
Dichlorodifluoromethane (Freon 12)	10.8	2.0	µg/L	20.0		54.0	40-160				†
1,1-Dichloroethane	16.9	1.0	µg/L	20.0		84.4	70-130				
1,2-Dichloroethane	18.4	1.0	µg/L	20.0		92.0	70-130				
1,1-Dichloroethylene	19.0	1.0	µg/L	20.0		94.8	70-130				
cis-1,2-Dichloroethylene	17.6	1.0	µg/L	20.0		88.2	70-130				
trans-1,2-Dichloroethylene	18.2	1.0	µg/L	20.0		91.2	70-130				
1,2-Dichloropropane	18.6	1.0	µg/L	20.0		93.0	70-130				
1,3-Dichloropropane	19.9	0.50	µg/L	20.0		99.4	70-130				
2,2-Dichloropropane	14.8	1.0	µg/L	20.0		73.8	40-130			V-05	†
1,1-Dichloropropene	17.4	2.0	µg/L	20.0		86.8	70-130				
cis-1,3-Dichloropropene	17.8	0.50	µg/L	20.0		89.0	70-130				
trans-1,3-Dichloropropene	20.3	0.50	µg/L	20.0		102	70-130				
Diethyl Ether	19.9	2.0	µg/L	20.0		99.6	70-130				
Diisopropyl Ether (DIPE)	19.3	0.50	µg/L	20.0		96.7	70-130				
1,4-Dioxane	156	50	µg/L	200		77.8	40-130			V-16	†
Ethylbenzene	19.7	1.0	µg/L	20.0		98.4	70-130				
Hexachlorobutadiene	17.6	0.50	µg/L	20.0		87.9	70-130				
2-Hexanone (MBK)	227	10	µg/L	200		114	70-160				†
Isopropylbenzene (Cumene)	22.4	1.0	µg/L	20.0		112	70-130				
p-Isopropyltoluene (p-Cymene)	18.3	1.0	µg/L	20.0		91.4	70-130				
Methyl tert-Butyl Ether (MTBE)	17.5	1.0	µg/L	20.0		87.3	70-130				
Methylene Chloride	20.1	5.0	µg/L	20.0		100	70-130				
4-Methyl-2-pentanone (MIBK)	214	10	µg/L	200		107	70-160				†
Naphthalene	14.6	2.0	µg/L	20.0		73.0	40-130			V-05	†
n-Propylbenzene	19.8	1.0	µg/L	20.0		99.2	70-130				
Styrene	19.7	1.0	µg/L	20.0		98.7	70-130				
1,1,1,2-Tetrachloroethane	20.1	1.0	µg/L	20.0		101	70-130				
1,1,2,2-Tetrachloroethane	21.8	0.50	µg/L	20.0		109	70-130				
Tetrachloroethylene	19.8	1.0	µg/L	20.0		99.2	70-130				
Tetrahydrofuran	19.0	10	µg/L	20.0		94.8	70-130				
Toluene	19.6	1.0	µg/L	20.0		98.0	70-130				
1,2,3-Trichlorobenzene	14.8	5.0	µg/L	20.0		74.1	70-130			V-05	
1,2,4-Trichlorobenzene	17.3	1.0	µg/L	20.0		86.6	70-130				
1,1,1-Trichloroethane	16.1	1.0	µg/L	20.0		80.4	70-130				
1,1,2-Trichloroethane	20.0	1.0	µg/L	20.0		100	70-130				
Trichloroethylene	18.8	1.0	µg/L	20.0		93.8	70-130				
Trichlorofluoromethane (Freon 11)	21.6	2.0	µg/L	20.0		108	70-130				
1,2,3-Trichloropropane	19.2	2.0	µg/L	20.0		95.8	70-130				
1,2,4-Trimethylbenzene	18.4	1.0	µg/L	20.0		91.8	70-130				
1,3,5-Trimethylbenzene	19.7	1.0	µg/L	20.0		98.4	70-130				
Vinyl Chloride	14.4	2.0	µg/L	20.0		72.2	40-160				†
m+p Xylene	40.2	2.0	µg/L	40.0		101	70-130				
o-Xylene	19.2	1.0	µg/L	20.0		96.2	70-130				
Surrogate: 1,2-Dichloroethane-d4	*22.4*		µg/L	25.0		89.7	70-130				
Surrogate: Toluene-d8	*26.2*		µg/L	25.0		105	70-130				
Surrogate: 4-Bromofluorobenzene	*23.8*		µg/L	25.0		95.0	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B012917 - SW-846 5030B												
LCS Dup (B012917-BSD1)				Prepared & Analyzed: 04/26/10								
Acetone	322	50	µg/L	200		**161**	*	70-160	5.26	25	L-07	†
tert-Amyl Methyl Ether (TAME)	16.2	0.50	µg/L	20.0		81.0		70-130	2.06	25	V-05	
Benzene	17.6	1.0	µg/L	20.0		88.1		70-130	0.453	25		
Bromobenzene	18.5	1.0	µg/L	20.0		92.6		70-130	1.14	25		
Bromochloromethane	17.8	1.0	µg/L	20.0		89.1		70-130	1.01	25		
Bromodichloromethane	17.5	1.0	µg/L	20.0		87.4		70-130	0.400	25		
Bromoform	24.3	1.0	µg/L	20.0		121		70-130	1.58	25		
Bromomethane	12.6	2.0	µg/L	20.0		63.2		40-160	10.7	25	V-06	†
2-Butanone (MEK)	227	20	µg/L	200		114		40-160	4.01	25		†
n-Butylbenzene	17.5	1.0	µg/L	20.0		87.7		70-130	0.114	25		
sec-Butylbenzene	17.9	1.0	µg/L	20.0		89.5		70-130	0.557	25		
tert-Butylbenzene	17.8	1.0	µg/L	20.0		89.0		70-130	0.281	25		
tert-Butyl Ethyl Ether (TBEE)	16.0	0.50	µg/L	20.0		80.2		70-130	2.01	25	V-05	
Carbon Disulfide	15.3	2.0	µg/L	20.0		76.6		70-130	0.00	25		
Carbon Tetrachloride	17.3	1.0	µg/L	20.0		86.4		70-130	2.18	25		
Chlorobenzene	20.3	1.0	µg/L	20.0		102		70-130	0.881	25		
Chlorodibromomethane	20.4	0.50	µg/L	20.0		102		70-130	0.246	25		
Chloroethane	16.9	2.0	µg/L	20.0		84.5		70-130	0.0592	25		
Chloroform	17.6	2.0	µg/L	20.0		87.9		70-130	0.680	25		
Chloromethane	14.3	2.0	µg/L	20.0		71.3		40-160	4.22	25		†
2-Chlorotoluene	19.3	1.0	µg/L	20.0		96.4		70-130	1.04	25		
4-Chlorotoluene	20.0	1.0	µg/L	20.0		100		70-130	0.499	25		
1,2-Dibromo-3-chloropropane (DBCP)	16.6	5.0	µg/L	20.0		82.8		70-130	6.61	25	V-05	
1,2-Dibromoethane (EDB)	19.7	0.50	µg/L	20.0		98.4		70-130	3.20	25		
Dibromomethane	19.2	1.0	µg/L	20.0		95.8		70-130	0.997	25		
1,2-Dichlorobenzene	18.8	1.0	µg/L	20.0		94.2		70-130	0.800	25		
1,3-Dichlorobenzene	18.9	1.0	µg/L	20.0		94.6		70-130	1.71	25		
1,4-Dichlorobenzene	18.8	1.0	µg/L	20.0		94.0		70-130	0.794	25		
Dichlorodifluoromethane (Freon 12)	10.5	2.0	µg/L	20.0		52.4		40-160	2.91	25		†
1,1-Dichloroethane	16.8	1.0	µg/L	20.0		84.1		70-130	0.297	25		
1,2-Dichloroethane	18.4	1.0	µg/L	20.0		92.0		70-130	0.0543	25		
1,1-Dichloroethylene	19.4	1.0	µg/L	20.0		97.1		70-130	2.45	25		
cis-1,2-Dichloroethylene	17.9	1.0	µg/L	20.0		89.4		70-130	1.30	25		
trans-1,2-Dichloroethylene	19.1	1.0	µg/L	20.0		95.4		70-130	4.50	25		
1,2-Dichloropropane	18.3	1.0	µg/L	20.0		91.5		70-130	1.57	25		
1,3-Dichloropropane	19.8	0.50	µg/L	20.0		99.2		70-130	0.101	25		
2,2-Dichloropropane	14.6	1.0	µg/L	20.0		73.0		40-130	1.09	25	V-05	†
1,1-Dichloropropene	17.4	2.0	µg/L	20.0		87.1		70-130	0.403	25		
cis-1,3-Dichloropropene	17.7	0.50	µg/L	20.0		88.5		70-130	0.507	25		
trans-1,3-Dichloropropene	20.6	0.50	µg/L	20.0		103		70-130	1.32	25		
Diethyl Ether	20.3	2.0	µg/L	20.0		101		70-130	1.84	25		
Diisopropyl Ether (DIPE)	19.4	0.50	µg/L	20.0		97.2		70-130	0.567	25		
1,4-Dioxane	183	50	µg/L	200		91.3		40-130	16.0	50	V-16	† ‡
Ethylbenzene	19.5	1.0	µg/L	20.0		97.3		70-130	1.17	25		
Hexachlorobutadiene	17.9	0.50	µg/L	20.0		89.3		70-130	1.58	25		
2-Hexanone (MBK)	235	10	µg/L	200		118		70-160	3.45	25		†
Isopropylbenzene (Cumene)	22.2	1.0	µg/L	20.0		111		70-130	1.17	25		
p-Isopropyltoluene (p-Cymene)	18.4	1.0	µg/L	20.0		92.1		70-130	0.818	25		
Methyl tert-Butyl Ether (MTBE)	19.0	1.0	µg/L	20.0		95.2		70-130	8.66	25		
Methylene Chloride	20.7	5.0	µg/L	20.0		104		70-130	3.19	25		
4-Methyl-2-pentanone (MIBK)	222	10	µg/L	200		111		70-160	3.31	25		†
Naphthalene	14.4	2.0	µg/L	20.0		72.2		40-130	1.03	25	V-05	†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B012917 - SW-846 5030B												
LCS Dup (B012917-BSD1)				Prepared & Analyzed: 04/26/10								
n-Propylbenzene	19.5	1.0	µg/L	20.0		97.6		70-130	1.63	25		
Styrene	19.6	1.0	µg/L	20.0		98.0		70-130	0.661	25		
1,1,1,2-Tetrachloroethane	20.3	1.0	µg/L	20.0		101		70-130	0.792	25		
1,1,2,2-Tetrachloroethane	21.9	0.50	µg/L	20.0		110		70-130	0.274	25		
Tetrachloroethylene	20.0	1.0	µg/L	20.0		100		70-130	0.853	25		
Tetrahydrofuran	20.3	10	µg/L	20.0		102		70-130	6.87	25		
Toluene	19.3	1.0	µg/L	20.0		96.4		70-130	1.65	25		
1,2,3-Trichlorobenzene	14.2	5.0	µg/L	20.0		71.2		70-130	3.99	25	V-05	
1,2,4-Trichlorobenzene	17.0	1.0	µg/L	20.0		85.2		70-130	1.57	25		
1,1,1-Trichloroethane	16.1	1.0	µg/L	20.0		80.4		70-130	0.0622	25		
1,1,2-Trichloroethane	20.0	1.0	µg/L	20.0		100		70-130	0.0999	25		
Trichloroethylene	18.4	1.0	µg/L	20.0		92.1		70-130	1.88	25		
Trichlorofluoromethane (Freon 11)	22.1	2.0	µg/L	20.0		110		70-130	1.97	25		
1,2,3-Trichloropropane	19.6	2.0	µg/L	20.0		98.2		70-130	2.53	25		
1,2,4-Trimethylbenzene	18.4	1.0	µg/L	20.0		92.2		70-130	0.435	25		
1,3,5-Trimethylbenzene	19.6	1.0	µg/L	20.0		98.0		70-130	0.305	25		
Vinyl Chloride	14.7	2.0	µg/L	20.0		73.4		40-160	1.65	25		†
m+p Xylene	39.8	2.0	µg/L	40.0		99.5		70-130	1.02	25		
o-Xylene	19.0	1.0	µg/L	20.0		95.2		70-130	0.993	25		
Surrogate: 1,2-Dichloroethane-d4	*22.5*		µg/L	25.0		90.0		70-130				
Surrogate: Toluene-d8	*26.0*		µg/L	25.0		104		70-130				
Surrogate: 4-Bromofluorobenzene	*23.6*		µg/L	25.0		94.4		70-130				
Matrix Spike (B012917-MS1)		**Source: 10D0636-04**		Prepared & Analyzed: 04/26/10								
Acetone	122	50	µg/L	100	2.98	119		70-130				
tert-Amyl Methyl Ether (TAME)	7.93	0.50	µg/L	10.0	ND	79.3		70-130			V-05	
Benzene	10.0	1.0	µg/L	10.0	ND	100		70-130				
Bromobenzene	10.1	1.0	µg/L	10.0	ND	101		70-130				
Bromochloromethane	10.0	1.0	µg/L	10.0	ND	100		70-130				
Bromodichloromethane	9.54	1.0	µg/L	10.0	ND	95.4		70-130				
Bromoform	11.7	1.0	µg/L	10.0	ND	117		70-130				
Bromomethane	6.39	2.0	µg/L	10.0	ND	**63.9**	*	70-130			MS-09, V-06	
2-Butanone (MEK)	103	20	µg/L	100	ND	103		70-130				
n-Butylbenzene	8.89	1.0	µg/L	10.0	ND	88.9		70-130				
sec-Butylbenzene	9.42	1.0	µg/L	10.0	ND	94.2		70-130				
tert-Butylbenzene	9.31	1.0	µg/L	10.0	ND	93.1		70-130				
tert-Butyl Ethyl Ether (TBEE)	8.18	0.50	µg/L	10.0	ND	81.8		70-130			V-05	
Carbon Disulfide	8.03	2.0	µg/L	10.0	ND	80.3		70-130				
Carbon Tetrachloride	9.72	1.0	µg/L	10.0	ND	97.2		70-130				
Chlorobenzene	11.6	1.0	µg/L	10.0	ND	116		70-130				
Chlorodibromomethane	10.5	0.50	µg/L	10.0	ND	105		70-130				
Chloroethane	9.75	2.0	µg/L	10.0	ND	97.5		70-130				
Chloroform	10.0	2.0	µg/L	10.0	ND	100		70-130				
Chloromethane	7.23	2.0	µg/L	10.0	ND	72.3		70-130				
2-Chlorotoluene	10.6	1.0	µg/L	10.0	ND	106		70-130				
4-Chlorotoluene	11.0	1.0	µg/L	10.0	ND	110		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.62	5.0	µg/L	10.0	ND	76.2		70-130			V-05	
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0	ND	106		70-130				
Dibromomethane	10.5	1.0	µg/L	10.0	ND	105		70-130				
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0	ND	101		70-130				
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0	ND	101		70-130				
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0	ND	103		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B012917 - SW-846 5030B											
Matrix Spike (B012917-MS1)		**Source: 10D0636-04**		Prepared & Analyzed: 04/26/10							
Dichlorodifluoromethane (Freon 12)	4.66	2.0	µg/L	10.0	ND	**46.6**	*	70-130			MS-09
1,1-Dichloroethane	9.78	1.0	µg/L	10.0	ND	97.8		70-130			
1,2-Dichloroethane	10.3	1.0	µg/L	10.0	ND	103		70-130			
1,1-Dichloroethylene	11.2	1.0	µg/L	10.0	ND	112		70-130			
cis-1,2-Dichloroethylene	9.70	1.0	µg/L	10.0	ND	97.0		70-130			
trans-1,2-Dichloroethylene	11.4	1.0	µg/L	10.0	ND	114		70-130			
1,2-Dichloropropane	10.6	1.0	µg/L	10.0	ND	106		70-130			
1,3-Dichloropropane	11.0	0.50	µg/L	10.0	ND	110		70-130			
2,2-Dichloropropane	7.10	1.0	µg/L	10.0	ND	71.0		70-130			V-05
1,1-Dichloropropene	9.72	2.0	µg/L	10.0	ND	97.2		70-130			
cis-1,3-Dichloropropene	8.84	0.50	µg/L	10.0	ND	88.4		70-130			
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0	ND	101		70-130			
Diethyl Ether	11.4	2.0	µg/L	10.0	ND	114		70-130			
Diisopropyl Ether (DIPE)	10.4	0.50	µg/L	10.0	ND	104		70-130			
1,4-Dioxane	89.8	50	µg/L	100	ND	89.8		70-130			V-16
Ethylbenzene	10.8	1.0	µg/L	10.0	ND	108		70-130			
Hexachlorobutadiene	9.09	0.50	µg/L	10.0	ND	90.9		70-130			
2-Hexanone (MBK)	114	10	µg/L	100	ND	114		70-130			
Isopropylbenzene (Cumene)	11.9	1.0	µg/L	10.0	ND	119		70-130			
p-Isopropyltoluene (p-Cymene)	9.57	1.0	µg/L	10.0	ND	95.7		70-130			
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0	ND	102		70-130			
Methylene Chloride	11.8	5.0	µg/L	10.0	ND	118		70-130			
4-Methyl-2-pentanone (MIBK)	115	10	µg/L	100	ND	115		70-130			
Naphthalene	7.41	2.0	µg/L	10.0	ND	74.1		70-130			V-05
n-Propylbenzene	11.0	1.0	µg/L	10.0	ND	110		70-130			
Styrene	10.7	1.0	µg/L	10.0	ND	107		70-130			
1,1,1,2-Tetrachloroethane	10.8	1.0	µg/L	10.0	ND	108		70-130			
1,1,2,2-Tetrachloroethane	12.0	0.50	µg/L	10.0	ND	120		70-130			
Tetrachloroethylene	11.3	1.0	µg/L	10.0	ND	113		70-130			
Tetrahydrofuran	10.2	10	µg/L	10.0	ND	102		70-130			
Toluene	11.1	1.0	µg/L	10.0	ND	111		70-130			
1,2,3-Trichlorobenzene	7.45	5.0	µg/L	10.0	ND	74.5		70-130			V-05
1,2,4-Trichlorobenzene	8.17	1.0	µg/L	10.0	ND	81.7		70-130			
1,1,1-Trichloroethane	9.06	1.0	µg/L	10.0	ND	90.6		70-130			
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0	ND	110		70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0	ND	103		70-130			
Trichlorofluoromethane (Freon 11)	12.4	2.0	µg/L	10.0	ND	124		70-130			
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.0	ND	105		70-130			
1,2,4-Trimethylbenzene	9.62	1.0	µg/L	10.0	ND	96.2		70-130			
1,3,5-Trimethylbenzene	10.7	1.0	µg/L	10.0	ND	107		70-130			
Vinyl Chloride	8.22	2.0	µg/L	10.0	ND	82.2		70-130			
m+p Xylene	22.1	2.0	µg/L	20.0	ND	111		70-130			
o-Xylene	10.2	1.0	µg/L	10.0	ND	102		70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.6		70-130			
Surrogate: Toluene-d8	*26.5*		µg/L	25.0		106		70-130			
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.8		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B012917 - SW-846 5030B											
Matrix Spike Dup (B012917-MSD1)		**Source: 10D0636-04**		Prepared & Analyzed: 04/26/10							
Acetone	119	50	µg/L	100	2.98	116		70-130	2.70	30	
tert-Amyl Methyl Ether (TAME)	7.61	0.50	µg/L	10.0	ND	76.1		70-130	4.12	30	V-05
Benzene	9.31	1.0	µg/L	10.0	ND	93.1		70-130	7.55	30	
Bromobenzene	9.55	1.0	µg/L	10.0	ND	95.5		70-130	5.89	30	
Bromochloromethane	9.19	1.0	µg/L	10.0	ND	91.9		70-130	8.64	30	
Bromodichloromethane	8.96	1.0	µg/L	10.0	ND	89.6		70-130	6.27	30	
Bromoform	11.1	1.0	µg/L	10.0	ND	111		70-130	5.08	30	
Bromomethane	6.72	2.0	µg/L	10.0	ND	**67.2**	*	70-130	5.03	30	MS-09, V-06
2-Butanone (MEK)	99.9	20	µg/L	100	ND	99.9		70-130	3.19	30	
n-Butylbenzene	8.28	1.0	µg/L	10.0	ND	82.8		70-130	7.11	30	
sec-Butylbenzene	8.80	1.0	µg/L	10.0	ND	88.0		70-130	6.81	30	
tert-Butylbenzene	8.72	1.0	µg/L	10.0	ND	87.2		70-130	6.54	30	
tert-Butyl Ethyl Ether (TBEE)	7.68	0.50	µg/L	10.0	ND	76.8		70-130	6.31	30	V-05
Carbon Disulfide	7.58	2.0	µg/L	10.0	ND	75.8		70-130	5.77	30	
Carbon Tetrachloride	9.17	1.0	µg/L	10.0	ND	91.7		70-130	5.82	30	
Chlorobenzene	10.8	1.0	µg/L	10.0	ND	108		70-130	7.30	30	
Chlorodibromomethane	10.1	0.50	µg/L	10.0	ND	101		70-130	3.89	30	
Chloroethane	9.55	2.0	µg/L	10.0	ND	95.5		70-130	2.07	30	
Chloroform	9.46	2.0	µg/L	10.0	ND	94.6		70-130	5.65	30	
Chloromethane	6.96	2.0	µg/L	10.0	ND	**69.6**	*	70-130	3.81	30	MS-13
2-Chlorotoluene	10.0	1.0	µg/L	10.0	ND	100		70-130	5.92	30	
4-Chlorotoluene	10.2	1.0	µg/L	10.0	ND	102		70-130	7.16	30	
1,2-Dibromo-3-chloropropane (DBCP)	7.48	5.0	µg/L	10.0	ND	74.8		70-130	1.85	30	V-05
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0	ND	101		70-130	4.16	30	
Dibromomethane	10.1	1.0	µg/L	10.0	ND	101		70-130	3.99	30	
1,2-Dichlorobenzene	9.44	1.0	µg/L	10.0	ND	94.4		70-130	7.15	30	
1,3-Dichlorobenzene	9.30	1.0	µg/L	10.0	ND	93.0		70-130	8.35	30	
1,4-Dichlorobenzene	9.50	1.0	µg/L	10.0	ND	95.0		70-130	8.18	30	
Dichlorodifluoromethane (Freon 12)	4.64	2.0	µg/L	10.0	ND	**46.4**	*	70-130	0.430	30	MS-09
1,1-Dichloroethane	9.21	1.0	µg/L	10.0	ND	92.1		70-130	6.00	30	
1,2-Dichloroethane	9.95	1.0	µg/L	10.0	ND	99.5		70-130	3.84	30	
1,1-Dichloroethylene	10.7	1.0	µg/L	10.0	ND	107		70-130	4.85	30	
cis-1,2-Dichloroethylene	9.27	1.0	µg/L	10.0	ND	92.7		70-130	4.53	30	
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0	ND	105		70-130	8.42	30	
1,2-Dichloropropane	10.0	1.0	µg/L	10.0	ND	100		70-130	5.23	30	
1,3-Dichloropropane	10.3	0.50	µg/L	10.0	ND	103		70-130	5.91	30	
2,2-Dichloropropane	6.75	1.0	µg/L	10.0	ND	**67.5**	*	70-130	5.05	30	MS-13, V-05
1,1-Dichloropropene	9.07	2.0	µg/L	10.0	ND	90.7		70-130	6.92	30	
cis-1,3-Dichloropropene	8.40	0.50	µg/L	10.0	ND	84.0		70-130	5.10	30	
trans-1,3-Dichloropropene	9.57	0.50	µg/L	10.0	ND	95.7		70-130	5.49	30	
Diethyl Ether	10.6	2.0	µg/L	10.0	ND	106		70-130	7.29	30	
Diisopropyl Ether (DIPE)	9.86	0.50	µg/L	10.0	ND	98.6		70-130	5.04	30	
1,4-Dioxane	92.0	50	µg/L	100	ND	92.0		70-130	2.42	30	V-16
Ethylbenzene	10.1	1.0	µg/L	10.0	ND	101		70-130	6.80	30	
Hexachlorobutadiene	8.48	0.50	µg/L	10.0	ND	84.8		70-130	6.94	30	
2-Hexanone (MBK)	110	10	µg/L	100	ND	110		70-130	3.26	30	
Isopropylbenzene (Cumene)	11.3	1.0	µg/L	10.0	ND	113		70-130	5.44	30	
p-Isopropyltoluene (p-Cymene)	8.93	1.0	µg/L	10.0	ND	89.3		70-130	6.92	30	
Methyl tert-Butyl Ether (MTBE)	9.74	1.0	µg/L	10.0	ND	97.4		70-130	5.10	30	
Methylene Chloride	11.1	5.0	µg/L	10.0	ND	111		70-130	6.63	30	
4-Methyl-2-pentanone (MIBK)	111	10	µg/L	100	ND	111		70-130	3.27	30	
Naphthalene	6.69	2.0	µg/L	10.0	ND	**66.9**	*	70-130	10.2	30	MS-13, V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B012917 - SW-846 5030B										
Matrix Spike Dup (B012917-MSD1)	**Source: 10D0636-04**			Prepared & Analyzed: 04/26/10						
n-Propylbenzene	10.1	1.0	µg/L	10.0	ND	101	70-130	7.98	30	
Styrene	9.95	1.0	µg/L	10.0	ND	99.5	70-130	6.89	30	
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0	ND	104	70-130	4.43	30	
1,1,2,2-Tetrachloroethane	11.4	0.50	µg/L	10.0	ND	114	70-130	4.79	30	
Tetrachloroethylene	10.6	1.0	µg/L	10.0	ND	106	70-130	6.02	30	
Tetrahydrofuran	9.52	10	µg/L	10.0	ND	95.2	70-130	6.41	30	
Toluene	10.5	1.0	µg/L	10.0	ND	105	70-130	5.65	30	
1,2,3-Trichlorobenzene	7.11	5.0	µg/L	10.0	ND	71.1	70-130	4.67	30	V-05
1,2,4-Trichlorobenzene	8.14	1.0	µg/L	10.0	ND	81.4	70-130	0.368	30	
1,1,1-Trichloroethane	8.71	1.0	µg/L	10.0	ND	87.1	70-130	3.94	30	
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0	ND	107	70-130	2.75	30	
Trichloroethylene	9.69	1.0	µg/L	10.0	ND	96.9	70-130	6.39	30	
Trichlorofluoromethane (Freon 11)	11.8	2.0	µg/L	10.0	ND	118	70-130	5.06	30	
1,2,3-Trichloropropane	10.2	2.0	µg/L	10.0	ND	102	70-130	2.70	30	
1,2,4-Trimethylbenzene	8.98	1.0	µg/L	10.0	ND	89.8	70-130	6.88	30	
1,3,5-Trimethylbenzene	9.98	1.0	µg/L	10.0	ND	99.8	70-130	7.06	30	
Vinyl Chloride	7.96	2.0	µg/L	10.0	ND	79.6	70-130	3.21	30	
m+p Xylene	20.4	2.0	µg/L	20.0	ND	102	70-130	7.85	30	
o-Xylene	9.59	1.0	µg/L	10.0	ND	95.9	70-130	5.67	30	
Surrogate: 1,2-Dichloroethane-d4	*23.4*		µg/L	25.0		93.6	70-130			
Surrogate: Toluene-d8	*27.0*		µg/L	25.0		108	70-130			
Surrogate: 4-Bromofluorobenzene	*23.7*		µg/L	25.0		94.8	70-130			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B012871 - SW-846 3005A Dissolved										
Blank (B012871-BLK1)				Prepared: 04/23/10 Analyzed: 04/26/10						
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Cadmium	ND	0.0040	mg/L							
Chromium	ND	0.010	mg/L							
Lead	ND	0.010	mg/L							
Selenium	ND	0.050	mg/L							
LCS (B012871-BS1)				Prepared: 04/23/10 Analyzed: 04/26/10						
Arsenic	0.513	0.010	mg/L	0.500		103	80-120			
Barium	0.514	0.050	mg/L	0.500		103	80-120			
Cadmium	0.524	0.0040	mg/L	0.500		105	80-120			
Chromium	0.507	0.010	mg/L	0.500		101	80-120			
Lead	0.498	0.010	mg/L	0.500		99.6	80-120			
Selenium	0.499	0.050	mg/L	0.500		99.8	80-120			
LCS Dup (B012871-BSD1)				Prepared: 04/23/10 Analyzed: 04/26/10						
Arsenic	0.506	0.010	mg/L	0.500		101	80-120	1.49	20	
Barium	0.504	0.050	mg/L	0.500		101	80-120	2.10	20	
Cadmium	0.514	0.0040	mg/L	0.500		103	80-120	1.85	20	
Chromium	0.494	0.010	mg/L	0.500		98.9	80-120	2.56	20	
Lead	0.504	0.010	mg/L	0.500		101	80-120	1.13	20	
Selenium	0.487	0.050	mg/L	0.500		97.5	80-120	2.38	20	
Duplicate (B012871-DUP1)		**Source: 10D0636-04**		Prepared: 04/23/10 Analyzed: 04/26/10						
Arsenic	ND	0.010	mg/L		ND			NC	20	
Barium	0.0800	0.050	mg/L		0.0760			5.11	20	
Cadmium	ND	0.0040	mg/L		ND			NC	20	
Chromium	ND	0.010	mg/L		ND			NC	20	
Lead	ND	0.010	mg/L		ND			NC	20	
Selenium	ND	0.050	mg/L		ND			NC	20	
Matrix Spike (B012871-MS1)		**Source: 10D0636-04**		Prepared: 04/23/10 Analyzed: 04/26/10						
Arsenic	0.540	0.010	mg/L	0.500	ND	108	75-125			
Barium	0.592	0.050	mg/L	0.500	0.0760	103	75-125			
Cadmium	0.540	0.0040	mg/L	0.500	ND	108	75-125			
Chromium	0.512	0.010	mg/L	0.500	ND	102	75-125			
Lead	0.495	0.010	mg/L	0.500	0.00207	98.5	75-125			
Selenium	0.510	0.050	mg/L	0.500	ND	102	75-125			
Batch B012908 - SW-846 7470A Prep										
Blank (B012908-BLK1)				Prepared & Analyzed: 04/26/10						
Mercury	ND	0.00010	mg/L							

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B012908 - SW-846 7470A Prep										
LCS (B012908-BS1)				Prepared & Analyzed: 04/26/10						
Mercury	0.00202	0.00010	mg/L	0.00200		101	80-120			
LCS Dup (B012908-BSD1)				Prepared & Analyzed: 04/26/10						
Mercury	0.00205	0.00010	mg/L	0.00200		102	80-120	1.34	20	
Duplicate (B012908-DUP1)		**Source: 10D0636-04**		Prepared & Analyzed: 04/26/10						
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B012908-MS1)		**Source: 10D0636-04**		Prepared & Analyzed: 04/26/10						
Mercury	0.00206	0.00010	mg/L	0.00200	ND	103	75-125			
Batch B012954 - SW-846 3005A Dissolved										
Blank (B012954-BLK1)				Prepared & Analyzed: 04/27/10						
Silver	ND	0.0050	mg/L							
LCS (B012954-BS1)				Prepared & Analyzed: 04/27/10						
Silver	0.531	0.0050	mg/L	0.500		106	80-120			
LCS Dup (B012954-BSD1)				Prepared & Analyzed: 04/27/10						
Silver	0.527	0.0050	mg/L	0.500		105	80-120	0.670	20	
Duplicate (B012954-DUP1)		**Source: 10D0636-04**		Prepared & Analyzed: 04/27/10						
Silver	ND	0.0050	mg/L		ND			NC	20	
Matrix Spike (B012954-MS1)		**Source: 10D0636-04**		Prepared & Analyzed: 04/27/10						
Silver	0.530	0.0050	mg/L	0.500	ND	106	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.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-13	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.
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.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010B in Water	
Arsenic	CT,NH,NY,RI
Barium	MA,NY,CT,NH
Cadmium	CT,NH,NY,RI
Chromium	CT,NH,NY,RI
Lead	CT,NH,NY,RI
Selenium	CT,NH,NY,RI
Silver	CT,NH,NY,RI
SW-846 7470A in Water	
Mercury	CT,NH,NY,RI
SW-846 8260B in Water	
Acetone	CT,NH,NY
tert-Amyl Methyl Ether (TAME)	NH,NY
Benzene	CT,NH,NY,RI
Bromochloromethane	NH,NY
Bromodichloromethane	CT,NH,NY,RI
Bromoform	CT,NH,NY,RI
Bromomethane	CT,NH,NY,RI
2-Butanone (MEK)	CT,NH,NY
n-Butylbenzene	NY
sec-Butylbenzene	NY
tert-Butylbenzene	NY
tert-Butyl Ethyl Ether (TBEE)	NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY,RI
Chlorobenzene	CT,NH,NY,RI
Chlorodibromomethane	CT,NH,NY,RI
Chloroethane	CT,NH,NY,RI
Chloroform	CT,NH,NY,RI
Chloromethane	CT,NH,NY,RI
Dibromomethane	NH,NY
1,2-Dichlorobenzene	CT,NY,RI
1,3-Dichlorobenzene	CT,NH,NY,RI
1,4-Dichlorobenzene	CT,NH,NY,RI
Dichlorodifluoromethane (Freon 12)	NH,NY,RI
1,1-Dichloroethane	CT,NH,NY,RI
1,2-Dichloroethane	CT,NH,NY,RI
1,1-Dichloroethylene	CT,NH,NY,RI
trans-1,2-Dichloroethylene	CT,NH,NY,RI
1,2-Dichloropropane	CT,NH,NY,RI
2,2-Dichloropropane	NH,NY
1,1-Dichloropropene	NH,NY
cis-1,3-Dichloropropene	CT,NH,NY,RI
trans-1,3-Dichloropropene	CT,NH,NY,RI
Diisopropyl Ether (DIPE)	NH,NY
Ethylbenzene	CT,NH,NY,RI
Hexachlorobutadiene	CT,NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Water	
2-Hexanone (MBK)	CT,NH,NY
Isopropylbenzene (Cumene)	NY
p-Isopropyltoluene (p-Cymene)	CT,NH,NY
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY
Methylene Chloride	CT,NH,NY,RI
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY
n-Propylbenzene	CT,NH,NY
Styrene	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY,RI
Tetrachloroethylene	CT,NH,NY,RI
Toluene	CT,NH,NY,RI
1,2,3-Trichlorobenzene	NH,NY
1,2,4-Trichlorobenzene	CT,NH,NY
1,1,1-Trichloroethane	CT,NH,NY,RI
1,1,2-Trichloroethane	CT,NH,NY,RI
Trichloroethylene	CT,NH,NY,RI
Trichlorofluoromethane (Freon 11)	CT,NH,NY,RI
1,2,3-Trichloropropane	NH,NY
1,2,4-Trimethylbenzene	NY
1,3,5-Trimethylbenzene	NY
Vinyl Chloride	CT,NH,NY,RI
m+p Xylene	CT,NH,NY,RI
o-Xylene	CT,NH,NY,RI

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	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
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	02/23/2011

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

10D0636

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

Page 1 of 1

Company Name: TRC
Address: 650 Suffolk St
Lowell MA 01854
Attention: David Sullivan
Project Location: City of New Bedford-KMS
Sampled By: Allison Weiss

Telephone: (978) 970 5600
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 _____ 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	VOCs (8260B)	Dissolved RCRA-8 Metals (6010B, 7470.5)											# of containers	**Preservation	~Cont.Code
									3	1											# of containers		
									H	N											**Preservation		
									V	P											~Cont.Code		
	MW-1	-01	4/21/10	1015		X	GW	U	X	X													
	MW-101	-02		1050		X			X	X													
	MW-2	-03		1250		X			X	X													
	MW-3	-04		1515		X			X	X			MS/DUP, ~~MS/MSD~~										

~~Per attached email, perform MS/DUP on dissolved metals only. (mr) 4/23/10~~

Client Comments:

Laboratory Comments:
~~Per attached email, MW-3 run MS/MSD on VOCs and MS/DUP on dissolved metals. (mr) 4/23/10~~

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

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

Relinquished by: (signature)	Date/Time:
Allison Weiss	4/22/10 1245
Received by: (signature)	Date/Time:
[illegible]	4/22/10 1245
Relinquished by: (signature)	Date/Time:
[illegible]	4/22/10 1935
Received by: (signature)	Date/Time:
[illegible]	4/22/10 1935

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 5 day
RUSH
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? MCP/GW-2, GW-3
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's:

***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 RECEIVED BY: CEC DATE: 4/28/10

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 ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

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

Temperature °C by Temp blank 6.0 Temperature °C by Temp gun _____

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: 18

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	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic	6	Air Cassette	
40 mL Vial - type listed below	18	Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl 18 # Methanol _____

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

Thiosulfate _____ Unpreserved _____

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

Meghan E. Kelley

From: Denly, Elizabeth (Lowell,MA-US) [edenly@TRCSOLUTIONS.com]
Sent: Friday, April 23, 2010 1:41 PM
To: Saunders, Jeffry (Lowell,MA-US)
Cc: Sullivan, Dave (Lowell,MA-US)
Subject: FW: City of New Bedford-KMS
Attachments: 10D0636_COC.pdf

Hi Jeff, Maybe you can answer this. I am not sure what the intent was. If under the CAM, I would only suggest MS/DUP for metals.

Elizabeth Denly
Senior QA Chemist
TRC
650 Suffolk Street
Lowell, MA 01854
P: 978-656-3577
C: 978-328-2551
edenly@trcsolutions.com

From: Meghan E. Kelley [mailto:mkelley@contestlabs.com]
Sent: Friday, April 23, 2010 11:18 AM
To: Sullivan, Dave (Lowell,MA-US)
Cc: Denly, Elizabeth (Lowell,MA-US)
Subject: City of New Bedford-KMS

Hi Dave,

Just wanted to confirm you wanted both a MS/DUP and MS/MSD performed on the VOCs and dissolved RCRA8 analysis for sample MW-3.

-Meghan

Meghan Kelley
Con-Test Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
Tel: (413) 525-2332 x55
Fax: (413) 525-6405
mkelley@contestlabs.com
con-test ANALYTICAL LABORATORY

Meghan E. Kelley

From: Saunders, Jeffry (Lowell,MA-US) [JSaunders@TRCSOLUTIONS.com]
Sent: Friday, April 23, 2010 1:58 PM
To: Denly, Elizabeth (Lowell,MA-US); mkelley@contestlabs.com
Cc: Sullivan, Dave (Lowell,MA-US)
Subject: RE: City of New Bedford-KMS
Attachments: FW: City of New Bedford-KMS (221 KB)

Liz,

This issue came up earlier today (via Dave). I didn't realize you were on the original exchange of emails. My response is below. The sampling is part of the long-term monitoring and maintenance plan at KMS, so we've basically been following this sampling protocol all along. I don't think the LTMMIP is specific on MS/MSD or MS/Dups with regard to groundwater sampling. It only references Method 8260B/Method 5030B in an appendix. If we can eliminate some work/analyses I think everyone would be happy with that.

Meghan, please proceed with only the MS/Dup for metals per the attached email from Liz Denly. Sorry for the confusion. Liz, thanks for the clarification.

-Jeff

-----Original Message-----
From: Meghan E. Kelley [mailto:mkelley@contestlabs.com]
Sent: Friday, April 23, 2010 11:48 AM
To: Saunders, Jeffry (Lowell,MA-US)
Cc: Sullivan, Dave (Lowell,MA-US)
Subject: RE: City of New Bedford-KMS

Yes Jeff, for MW-3 Allison submitted 3 250mL plastics preserved with nitric acid and 9 vials preserved with HCL. I will let the lab know to perform a MS/MSD on the VOCs and an MS/DUP on the Dissolved Metals. Thanks for the clarification!

-----Original Message-----
From: Saunders, Jeffry (Lowell,MA-US) [mailto:JSaunders@TRCSOLUTIONS.com]
Sent: Friday, April 23, 2010 11:36 AM
To: mkelley@contestlabs.com
Cc: Sullivan, Dave (Lowell,MA-US)
Subject: RE: City of New Bedford-KMS

Meghan,

I believe we shipped triple volume for both VOCs and dissolved metals for MW-3, correct?

If so, an MS/MSD should be run for the VOCs and an MS/Duplicate should be run on the metals. If you don't have the volume let me and we will go from there. Thanks.

-Jeff

-----Original Message-----
From: Sullivan, Dave (Lowell,MA-US)
Sent: Friday, April 23, 2010 11:24 AM
To: Saunders, Jeffry (Lowell,MA-US)
Subject: Fw: City of New Bedford-KMS

Please help, thanks.
Message sent from mobile device.

-----Original Message-----
From: Meghan E. Kelley <mkelley@contestlabs.com>
To: Sullivan, Dave (Lowell,MA-US)
CC: Denly, Elizabeth (Lowell,MA-US)
Sent: Fri Apr 23 11:17:35 2010
Subject: City of New Bedford-KMS

Hi Dave,

Just wanted to confirm you wanted both a MS/DUP and MS/MSD performed on the VOCs and dissolved RCRA8 analysis for sample MW-3.

-Meghan

Meghan Kelley

Con-Test Analytical Laboratory

39 Spruce Street

East Longmeadow, MA 01028

Tel: (413) 525-2332 x55

Fax: (413) 525-6405

mkelley@contestlabs.com

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Con-Test Analytical Laboratory	Project #:	10D0636
Project Location:	City Of New Bedford-KMS	MADEP RTN1[1]:	

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

10D0636-01 thru 10D0636-04

Sample Matrices: Water

MCP SW-846 Methods Used	8260B (X)	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	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:	Christopher J. Hall	Position:	Project Chemist Supervisor
Printed Name:	Christopher J. Hall	Date:	04/29/10

Polychlorinated Biphenyls

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

NORTHEAST ANALYTICAL, INC.
2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
www.nealab.com information @nealab.com

LRF # <10040126P1>
100401261

DISPOSAL REQUIREMENTS: (To be filled in by Client)
- ○ RETURN TO CLIENT
- ● DISPOSAL BY NORTHEAST ANALYTICAL
- ● ARCHIVAL BY NORTHEAST ANALYTICAL

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO): TRC
PROJECT#/PROJECT NAME: City of New Bedford
PROJECT MANAGER: David Sullivan
PROJECT LOCATION (CITY/STATE) ADDRESS: KMS
PHONE: 978-970-5600
SAMPLED BY: (Please Print) Allison Weiss
REQUIRED TURN AROUND TIME: 5day
SAMPLING FIRM: 650 Suffolk St Lowell MA 01854
NAME OF COURIER (IF USED): Fedex
Data Report: ☐ CLP* ☐ Certificates Only
ELECTRONIC RESULTS FORMAT: .PDF ☒ EXCEL (.CSV) ☐
E-MAIL ADDRESS: dsullivan@trcsolutions.com
FAXED RESULTS ☐ FAX #:

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

	PCBs (8082)							
PRESERVATIVE CODE:	0							
BOTTLE TYPE:	A							
BOTTLE SIZE:	L							

PRESERVATIVE KEY: 0 - NONE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other _____

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (NEA USE ONLY)	NUMBER OF CONTAINERS	PCBs (8082)							REMARKS:
MW-1	4/21/10	1015	GW	G	AN04146	2	X							
MW-101		1050			AN04147	2	X							
MW-2		1250			AN04148	2	X							
MW-3		1515			AN04149	6	X			MS/MSD				

AMBIENT OR CHILLED: (Ambient) TEMP: 1.2
COC TAPE: Y (N)
PROPERLY PRESERVED: (Y) N
OTHER NOTES:
RECEIVED BROKEN OR LEAKING: Y (N)
COC DISCREPANCIES: Y (N)
RECVD W/I HOLDING TIMES: (Y) N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE: [signature]	SIGNATURE: [signature]	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
PRINTED NAME: Allison Weiss	PRINTED NAME: A. Moore	PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME
COMPANY: TRC	COMPANY: NEA	COMPANY	COMPANY	COMPANY	COMPANY
DATE/TIME: 4/21/10 1600	DATE/TIME: 4/22/10 901	DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME

* CLP LIKE DATA PACKAGE ADDITIONAL COST

CERTIFICATE OF ANALYSIS
4/29/2010
TRC ENVIRONMENTAL
WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	MW-1		**NEA ID:** AN04146	**NEA LRF:**	10040126-01
MATRIX:	WATER		**DATE SAMPLED:** 04/21/2010	**TIME:**	10:15
DATE RECEIVED:	4/22/2010	**TIME:** 09:01	**PROJECT:**	CITY OF NEW BEDFORD-115058	
SAMPLED BY:	A. WEISS		**LOCATION:**	NEW BEDFORD, MA	
CUSTOMER PO:	N/A		**LAB ELAP#:**	11078	

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 Method 8082					
Aroclor 1016	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1221	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1232	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1242	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1248	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1254	0.0208	0.0500	ug/L	04/27/2010	AF,J
Aroclor 1260	ND	0.0500	ug/L	04/27/2010	U
Total PCB Amount	0.0208				J

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative
Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

CERTIFICATE OF ANALYSIS
4/29/2010
TRC ENVIRONMENTAL
WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	MW-101		**NEA ID:** AN04147	**NEA LRF:**	10040126-02
MATRIX:	WATER		**DATE SAMPLED:** 04/21/2010	**TIME:**	10:50
DATE RECEIVED:	4/22/2010	**TIME:** 09:01	**PROJECT:**	CITY OF NEW BEDFORD-115058	
SAMPLED BY:	A. WEISS		**LOCATION:**	NEW BEDFORD, MA	
CUSTOMER PO:	N/A		**LAB ELAP#:**	11078	

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 Method 8082					
Aroclor 1016	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1221	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1232	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1242	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1248	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1254	0.0174	0.0500	ug/L	04/27/2010	AF,J
Aroclor 1260	ND	0.0500	ug/L	04/27/2010	U
Total PCB Amount	0.0174				J

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative
Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

CERTIFICATE OF ANALYSIS
4/29/2010
TRC ENVIRONMENTAL
WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	MW-2		**NEA ID:** AN04148	**NEA LRF:**	10040126-03
MATRIX:	WATER		**DATE SAMPLED:** 04/21/2010	**TIME:**	12:50
DATE RECEIVED:	4/22/2010	**TIME:** 09:01	**PROJECT:**	CITY OF NEW BEDFORD-115058	
SAMPLED BY:	A. WEISS		**LOCATION:**	NEW BEDFORD, MA	
CUSTOMER PO:	N/A		**LAB ELAP#:**	11078	

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 Method 8082					
Aroclor 1016	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1221	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1232	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1242	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1248	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1254	ND	0.0500	ug/L	04/27/2010	U
Aroclor 1260	ND	0.0500	ug/L	04/27/2010	U
Total PCB Amount	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

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