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TRC Reference Number: 115058

February 4, 2010

David Fredette, PE
Department of Environmental Stewardship
City of New Bedford
133 William Street
New Bedford, Massachusetts 02740

Subject: **Groundwater Monitoring Results – 2008 & 2009**
Keith Middle School, New Bedford, Massachusetts

Dear Mr. Fredette:

TRC Environmental Corporation (TRC) has completed four rounds of groundwater sampling from three monitoring wells at the Keith Middle School (KMS) in accordance with the October 20, 2006 Long-Term Monitoring and Maintenance Implementation Plan (LTMMIP). The groundwater sampling events occurred on May 22, 2008, September 25, 2008, May 6, 2009 and September 17, 2009. The attached tables provide the groundwater sampling analytical results associated with each of these sampling events.

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 978-656-3610.

Sincerely,

TRC

Jeffry Saunders
Project Geologist

Attachments

- Table 1 – Summary of Analytical Results for Groundwater Samples – 2008
- Table 2 – Summary of Analytical Results for Groundwater Samples - 2009

Table 1
Summary of Analytical Results for Groundwater Samples - 2008
Keith Middle School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:			MW-01				MW-02		MW-03	
		Sample Date:			5/22/2008	5/22/2008 Field Dup	9/25/2008	9/25/2008 Field Dup	5/22/2008	9/25/2008	5/22/2008	9/25/2008
		GW-1	GW-2	GW-3								
VOCs												
(ug/L)	Acetone	6,300	50,000	50,000	50.0 U	50.0 U	50 U	50 U	50.0 U	50 U	50.0 U	50 U
	tert-Amylmethyl Ether	NS	NS	NS	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.50 U	0.5 U	0.50 U
	Benzene	5	2,000	10,000	1.0 U	1.0 U	1.0 U	1.0 U	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	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	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	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	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	2.0 U	2.0 U	2.0 U	2.0 U
	2-Butanone (MEK)	4,000	50,000	50,000	20.0 U	20.0 U	20 U	20 U	20.0 U	20 U	20.0 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	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	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	1.0 U	1.0 U	1.0 U	1.0 U
	tert-Butylethyl Ether	NS	NS	NS	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.50 U	0.5 U	0.50 U
	Carbon Disulfide	NS	NS	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
	Carbon Tetrachloride	5	2	5,000	1.0 U	1.0 U	1.0 U	1.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorodibromomethane	2	20	50,000	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.50 U	0.5 U	0.50 U
	Chloroethane	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	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	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	2.0 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	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	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dibromo-3-Chloropropane	NS	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	1,2-Dibromoethane	0.02	2	50,000	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.50 U	0.5 U	0.50 U
	Dibromomethane	NS	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	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	1.0 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	1.0 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	1.0 U	1.0 U	1.0 U	1.0 U
	Dichlorodifluoromethane	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	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	1.0 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	1.0 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	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	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	1.0 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	1.0 U	1.0 U	1.0 U	1.0 U
	1,3-Dichloropropane	NS	NS	NS	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.50 U	0.5 U	0.50 U
	2,2-Dichloropropane	NS	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U
	cis-1,3-Dichloropropene	0.4[2]	10[2]	200[2]	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
	trans-1,3-Dichloropropene	0.4[2]	10[2]	200[2]	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
	Diethyl Ether	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Diisopropyl Ether	NS	NS	NS	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.50 U	0.5 U	0.50 U
	1,4-Dioxane	3	6,000	50,000	50.0 U	50.0 U	50 U	50 U	50.0 U	50 U	50.0 U	50 U

Table 1
Summary of Analytical Results for Groundwater Samples - 2008
Keith Middle School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:			MW-01				MW-02		MW-03	
		Sample Date:			5/22/2008	5/22/2008 Field Dup	9/25/2008	9/25/2008 Field Dup	5/22/2008	9/25/2008	5/22/2008	9/25/2008
		GW-1	GW-2	GW-3								
	Ethyl Benzene	700	20,000	5,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Hexachlorobutadiene	0.6	1	3,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	2-Hexanone	NS	NS	NS	10.0 U	10.0 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
	Isopropylbenzene	200[1]	7,000[1]	50,000[1]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	p-Isopropyltoluene	200[1]	7,000[1]	50,000[1]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	MTBE	70	50,000	50,000	1.0 U	1.0 U	1.0 U	1.0 U	**3.3**	**1.3**	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	5.0 U	5.0 U	5.0 U	5.0 U
	MIBK	350	50,000	50,000	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
	Naphthalene	140	1,000	20,000	6.0 U	6.0 U	2.0 U	2.0 U	6.0 U	2.0 U	6.0 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	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	1.0 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	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,2,2-Tetrachloroethane	2	9	50,000	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.50 U	0.5 U	0.50 U
	Tetrachloroethylene	5	50	30,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Tetrahydrofuran	NS	NS	NS	10.0 U	10.0 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
	Toluene	1,000	50,000	40,000	1.0 U	1.0 U	1.0 U	1.0 U	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	5.0 U	5.0 U	5.0 U	5.0 U
	1,2,4-Trichlorobenzene	70	2,000	50,000	5.0 U	5.0 U	1.0 U	1.0 U	5.0 U	1.0 U	5.0 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	1.0 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	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	1.0 U	1.0 U	1.0 U	1.0 U
	Trichlorofluoromethane	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	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	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	1.0 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	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	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	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	1.0 U	1.0 U	1.0 U	1.0 U
PCBs												
	Aroclor 1016	0.5	5	10	0.0500 U	0.0500 U	0.051 U	0.051 U	0.0500 U	0.083 U	0.0500 U	0.051 U
	Aroclor 1221	0.5	5	10	0.0500 U	0.0500 U	0.051 U	0.051 U	0.0500 U	0.083 U	0.0500 U	0.051 U
	Aroclor 1232	0.5	5	10	0.0500 U	0.0500 U	0.051 U	0.051 U	0.0500 U	0.083 U	0.0500 U	0.051 U
	Aroclor 1242	0.5	5	10	0.0500 U	0.0500 U	0.051 U	0.051 U	0.0500 U	0.083 U	0.0500 U	0.051 U
	Aroclor 1248	0.5	5	10	0.0500 U	0.0500 U	0.051 U	0.051 U	0.0500 U	0.083 U	0.0500 U	0.051 U
	Aroclor 1254	0.5	5	10	0.0500 U	0.0500 U	**0.0117 J**	0.051 U	0.0500 U	0.083 U	0.0500 U	**0.0166 J**
	Aroclor 1260	0.5	5	10	0.0500 U	0.0500 U	0.051 U	0.051 U	0.0500 U	0.083 U	0.0500 U	0.051 U
	Total PCBs	0.5	5	10	0.0500 U	0.0500 U	**0.0117 J**	0.051 U	0.0500 U	0.083 U	0.0500 U	**0.0166 J**

Table 1
Summary of Analytical Results for Groundwater Samples - 2008
Keith Middle School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:			MW-01				MW-02		MW-03	
		Sample Date:			5/22/2008	5/22/2008 Field Dup	9/25/2008	9/25/2008 Field Dup	5/22/2008	9/25/2008	5/22/2008	9/25/2008
		GW-1	GW-2	GW-3								
Metals, dissolved*												
(ug/L)	Arsenic	10	NS	900	10.0 U	NA	0.50 U	0.50 U	10.0 U	**0.90**	10.0 U	**0.60**
	Barium	2,000	NS	50,000	100 U	NA	**116.5**	**105.8**	**516**	**562**	**324**	**326.6**
	Cadmium	5	NS	4	2.5 U	NA	0.50 U	0.50 U	2.5 U	0.5 U	2.5 U	0.5 U
	Chromium	100	NS	300	10.0 U	NA	**0.90**	**0.90**	10.0 U	**1.0**	10.0 U	**0.90**
	Lead	15	NS	10	5.0 U	NA	0.50 U	0.50 U	5.0 U	0.5 U	5.0 U	**1.2**
	Selenium	50	NS	100	**60**	NA	**2.0**	**3.0**	50 U	**2.0**	50 U	1.0 U
	Silver	100	NS	7	5.0 U	NA	0.50 U	0.50 U	5.0 U	0.5 U	5.0 U	0.5 U
	Mercury	2	NS	20	0.10 U	NA	0.20 U	0.20 U	0.10 U	0.2 U	0.10 U	0.2 U
Applicable Groundwater Standard Category:					GW-3	GW-3	GW-3	GW-3	GW-1/3	GW-1/3	GW-1/3	GW-1/3

Notes:

All units in ug/L unless otherwise specified.

ug/L - micrograms per liter.

J - Estimated value.

NA - Sample not analyzed for the listed analyte.

NS - No MADEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

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

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

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

VOCs - Volatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

* - Dissolved metals samples were resubmitted for analysis on October 11, 2008

Table 2
Summary of Analytical Results for Groundwater Samples - 2009
Keith Middle School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:			MW-1				MW-2		MW-3	
		Sample Date:			5/6/2009	5/6/2009 Field Dup	9/17/2009	9/17/2009 Field Dup	5/6/2009	9/17/2009	5/6/2009	9/17/2009
		GW-1	GW-2	GW-3								
VOCs												
(ug/L)	Acetone	6,300	50,000	50,000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
	tert-Amylmethyl Ether	NS	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	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	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	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	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	1.0 U	1.0 U	1.0 U	1.0 U
	Bromoform	4	700	50,000	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.0 U	1.0 U
	Bromomethane	10	7	800	6.0 U	6.0 U	5.0 U	5.0 U	6.0 U	5.0 U	6.0 U	5.0 U
	2-Butanone (MEK)	4,000	50,000	50,000	20 U	20 U	20 U	20 U	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	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	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	1.0 U	1.0 U	1.0 U	1.0 U
	tert-Butylethyl Ether	NS	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
	Carbon Disulfide	NS	NS	NS	3.0 U	3.0 U	5.0 U	5.0 U	3.0 U	5.0 U	3.0 U	5.0 U
	Carbon Tetrachloride	5	2	5,000	1.0 U	1.0 U	1.0 U	1.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorodibromomethane	2	20	50,000	0.50 U	0.50 U	5.0 U	5.0 U	0.50 U	5.0 U	0.50 U	5.0 U
	Chloroethane	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	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	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	2.0 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	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	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dibromo-3-Chloropropane	NS	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	1,2-Dibromoethane	0.02	2	50,000	0.50 U	0.50 U	0.50 U	0.50 U	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	1.0 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	1.0 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	1.0 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	1.0 U	1.0 U	1.0 U	1.0 U
	Dichlorodifluoromethane	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	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	1.0 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	1.0 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	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	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	1.0 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	1.0 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	0.50 U	0.50 U	0.50 U	0.50 U
	2,2-Dichloropropane	NS	NS	NS	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U
	1,1-Dichloropropene	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	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	5.0 U	5.0 U	0.50 U	5.0 U	0.50 U	5.0 U
	trans-1,3-Dichloropropene	0.4[2]	10[2]	200[2]	0.50 U	0.50 U	5.0 U	5.0 U	0.50 U	5.0 U	0.50 U	5.0 U

Table 2
Summary of Analytical Results for Groundwater Samples - 2009
Keith Middle School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:			MW-1				MW-2		MW-3	
		Sample Date:			5/6/2009	5/6/2009 Field Dup	9/17/2009	9/17/2009 Field Dup	5/6/2009	9/17/2009	5/6/2009	9/17/2009
		GW-1	GW-2	GW-3								
	Diethyl Ether	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Diisopropyl Ether	NS	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	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	50 U	50 U	50 U	50 U
	Ethyl Benzene	700	20,000	5,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Hexachlorobutadiene	0.6	1	3,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	2-Hexanone	NS	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Isopropylbenzene	200[1]	7,000[1]	50,000[1]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	p-Isopropyltoluene	200[1]	7,000[1]	50,000[1]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	MTBE	70	50,000	50,000	1.0 U	1.0 U	1.0 U	1.0 U	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	5.0 U	5.0 U	5.0 U	5.0 U
	MIBK	350	50,000	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Naphthalene	140	1,000	20,000	2.0 U	2.0 U	3.0 U	3.0 U	2.0 U	3.0 U	2.0 U	3.0 U
	n-Propylbenzene	200[1]	7,000[1]	50,000[1]	1.0 U	1.0 U	1.0 U	1.0 U	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	1.0 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	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U
	1,1,2,2-Tetrachloroethane	2	9	50,000	0.50 U	0.50 U	0.50 U	0.50 U	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	1.0 U	1.0 U	1.0 U	1.0 U
	Tetrahydrofuran	NS	NS	NS	10 U	10 U	10 U	10 U	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	1.0 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	5.0 U	5.0 U	5.0 U	5.0 U
	1,2,4-Trichlorobenzene	70	2,000	50,000	2.0 U	2.0 U	5.0 U	5.0 U	2.0 U	5.0 U	2.0 U	5.0 U
	1,1,1-Trichloroethane	200	4,000	20,000	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	2.0 U
	1,1,2-Trichloroethane	5	900	50,000	1.0 U	1.0 U	1.0 U	1.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U
	Trichlorofluoromethane	NS	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	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	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	1.0 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	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	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	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	1.0 U	1.0 U	1.0 U	1.0 U
PCBs												
	Aroclor 1016	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0556 U	0.0500 U	0.0515 U	0.0500 U
	Aroclor 1221	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0556 U	0.0500 U	0.0515 U	0.0500 U
	Aroclor 1232	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0556 U	0.0500 U	0.0515 U	0.0500 U
	Aroclor 1242	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0556 U	0.0500 U	0.0515 U	0.0500 U
	Aroclor 1248	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0556 U	0.0500 U	0.0515 U	0.0500 U
	Aroclor 1254	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0556 U	0.0500 U	**0.152 J**	0.0500 U
	Aroclor 1260	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0556 U	0.0500 U	0.0515 U	0.0500 U
	Total PCBs	0.5	5	10	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0556 U	0.0500 U	**0.152 J**	0.0500 U

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Analysis	Analyte	Sample ID:			MW-1				MW-2		MW-3	
		Sample Date:			5/6/2009	5/6/2009 Field Dup	9/17/2009	9/17/2009 Field Dup	5/6/2009	9/17/2009	5/6/2009	9/17/2009
		GW-1	GW-2	GW-3								
Metals, dissolved												
(ug/L)	Antimony	6	NS	8,000	NA	NA	40 U	40 U	NA	40 U	NA	40 U
	Arsenic	10	NS	900	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Barium	2,000	NS	50,000	**79**	**77**	**100**	**100**	**360**	**740**	**110**	**390**
	Beryllium	4	NS	200	NA	NA	2.5 U	2.5 U	NA	2.5 U	NA	2.5 U
	Cadmium	5	NS	4	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
	Chromium	100	NS	300	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Lead	15	NS	10	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U
	Nickel	100	NS	200	NA	NA	5.0 U	5.0 U	NA	5.0 U	NA	5.0 U
	Selenium	50	NS	100	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
	Silver	100	NS	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
	Thallium	2	NS	3,000	NA	NA	30 U	30 U	NA	30 U	NA	30 U
	Vanadium	30	NS	4,000	NA	NA	25 U	25 U	NA	25 U	NA	25 U
	Zinc	5,000	NS	900	**15**	**19**	**15**	**13**	**57**	**35**	**13**	**32**
	Mercury	2	NS	20	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
	Applicable Groundwater Standard Category:				GW-3	GW-3	GW-3	GW-3	GW-1/3	GW-1/3	GW-1/3	GW-1/3

Notes:

All units in ug/L unless otherwise specified.

ug/L - micrograms per liter.

J - Estimated value

NA - Sample not analyzed for the listed analyte.

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.

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

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

VOCs - Volatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.