

ANNUAL REPORT

Prepared for

STANLEY BLACK & DECKER (U.S.), INC.

Hampstead, Maryland

July 2013

Prepared by

WESTON SOLUTIONS, INC.

West Chester, Pennsylvania 19380-1499

W.O. No. 02501.004.004.0700

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1. INTRODUCTION

This Annual Report has been prepared to meet the requirements of Condition IV.L of the Administrative Consent Order between the State of Maryland Department of the Environment (MDE) and Black & Decker (U.S.) Inc. (April 1995) (Consent Order) and the Addendum to Administrative Consent Order dated 29 June 1995. Specifically, Condition IV.L calls for preparation of an Annual Report containing a summary of the information contained in the Discharge Monitoring Reports (Table 2-3), a summary of all analyses of water samples (Tables 2-4 to 2-7), an explanation of all problems encountered and the manner in which they were resolved (Table 3-1), a performance evaluation of the treatment system (Section 4), and recommendations for continuation of, or changes to, the treatment system (Section 5). This document is one of several that are being prepared in response to the Consent Order; each of these documents are to be submitted to the MDE in accordance with the schedule outlined in the Consent Order. This document will become part of the Administrative Record for the site, which is maintained at the Hampstead Public Library.

2. SITE CHARACTERISTICS

2.1 HYDRAULIC PROPERTIES

In accordance with the Consent Order and the Water Appropriation Permit issued to the Black & Decker (U.S.) Inc. Hampstead, Maryland, facility, the following pumping and water level information is included for the period of July 2012 through June 2013.

Pumping records showing the total gallons pumped per month of treatment system operation are presented in Table 2-1. Copies of the Withdrawal Reports, for the periods of April through June 2013, are included in Appendix A.

Water levels (Water Level Monitoring Report) for wells included in the water level monitoring plan are presented in Table 2-2. Based on the June 2013 water levels, a representative groundwater elevation contour map under pumping conditions is presented in Figure 2-1. At the time the data were collected, the extraction wells were pumping at a combined rate of approximately 176 gpm.

2.2 EFFLUENT CHARACTERISTICS

Effluent characteristics of the NPDES discharge points are recorded monthly on Discharge Monitoring Reports (DMRs) and are submitted to MDE, Water Management Administration on a quarterly basis. A summary of the sample results from the DMRs is presented in Table 2-3. DMRs for the period of April 2013 through June 2013 are included in Appendix B.

2.3 GROUNDWATER QUALITY DATA

For the reporting period of July 2012 through June 2013, approximately 48 pounds (lbs) of total volatile organic compounds (VOCs) were removed from the groundwater by the extraction and treatment system. In general, the total VOCs were comprised of trichloroethene (TCE) (81.5%) and tetrachloroethene (PCE) (18.5%). Analytical results for the air stripper discharge for the period of April 2013 through June 2013 are included in Appendix C.

Table 2-1
Treatment System Pumping Records
(July 2012 through June 2013)

Black & Decker
Hampstead, Maryland

Date	Water Pumped (gallons)
July 2012	7,558,744
August 2012	7,570,966
September 2012	7,177,687
October 2012	7,327,763
November 2012	7,047,445
December 2012	7,216,348
January 2013	6,456,215
February 2013	6,709,473
March 2013	7,486,802
April 2013	7,395,167
May 2013	7,686,905
June 2013	7,326,169

Table 2-2
Groundwater Elevation Data (July 2011 through June 2012)
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV	TOTAL DEPTH	7/13/2012		8/23/2012		9/5/2012		10/10/2012	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NC	DRY	NC	DRY	NC	DRY	NC
EW-2	849.21	110	93.51	755.70	93.27	755.94	63.12	786.09	93.14	756.07
EW-3	846.64	118	86.84	759.80	83.64	763.00	84.12	762.52	83.60	763.04
EW-4	858.01	97.5	PC	NC	PC	NC	PC	NC	PC	NC
EW-5	864.17	98	89.47	774.70	90.12	774.05	90.26	773.91	90.19	773.98
EW-6	831.98	115	102.50	729.48	103.00	728.98	103.00	728.98	103.00	728.98
EW-7	818.38	78	71.40	746.98	73.00	745.38	73.00	745.38	73.00	745.38
EW-8	811.13	98	93.50	717.63	96.00	715.13	96.00	715.13	96.00	715.13
EW-9	811.35	141	103.00	708.35	103.00	708.35	103.00	708.35	103.50	707.85
EW-10	807.74	NA	57.41	750.33	49.02	758.72	49.13	758.61	56.11	751.63
RFW-1A	864.37	78	50.46	813.91	50.31	814.06	50.40	813.97	50.51	813.86
RFW-1B	864.23	200	50.51	813.72	50.36	813.87	50.43	813.80	50.55	813.68
RFW-2A	857.41	35	13.40	844.01	14.93	842.48	15.01	842.40	15.12	842.29
RFW-2B	857.73	75	14.06	843.67	15.61	842.12	15.82	841.91	15.49	842.24
RFW-3B	839.21	153	30.79	808.42	31.08	808.13	30.96	808.25	31.13	808.08
RFW-4A	830.37	62	38.41	791.96	36.80	793.57	36.67	793.70	37.44	792.93
RFW-4B	830.37	120	38.99	791.38	36.71	793.66	36.54	793.83	37.30	793.07
RFW-5A	817.50	30	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-6	785.04	120	4.41	780.63	2.31	782.73	2.74	782.30	2.87	782.17
RFW-7	805.14	29	6.99	798.15	6.41	798.73	6.82	798.32	6.90	798.24
RFW-8	860.07	53	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-9	862.02	49	25.49	836.53	26.07	835.95	26.21	835.81	26.17	835.85
RFW-10	852.06	58	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-11A	849.32	72	Damaged	NC	Damaged	NC	Damaged	NC	Damaged	NC
RFW-11B	849.62	116	65.11	784.51	63.10	786.52	62.91	786.71	63.28	786.34
RFW-12B	844.87	264	51.24	793.63	49.88	794.99	49.94	794.93	50.04	794.83
RFW-13	849.11	150	62.91	786.20	61.38	787.73	61.29	787.82	61.44	787.67
RFW-14B	812.39	281	53.60	758.79	51.26	761.13	51.89	760.50	52.03	760.36
RFW-16	856.14	41	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-17	834.66	60.5	26.12	808.54	25.96	808.70	25.94	808.72	25.83	808.83
RFW-20	842.29	142	32.89	809.40	34.88	807.41	33.91	808.38	34.46	807.83
RFW-21	832.65	102	20.80	811.85	21.03	811.62	20.96	811.69	20.94	811.71
PH-7	805.94	89	27.41	778.53	29.10	776.84	28.87	777.07	32.40	773.54
PH-9	814.94	98	53.10	761.84	51.87	763.07	52.26	762.68	52.26	762.68
PH-11	820.68	78	53.33	767.35	49.42	771.26	48.98	771.70	49.53	771.15
PH-12	828.35	87	51.73	776.62	52.67	775.68	51.63	776.72	52.75	775.60
B-3	803.02	83	10.62	792.40	10.74	792.28	10.69	792.33	10.40	792.62
Amoco	842.29	NA	NA	NC	NA	NC	NA	NC	NA	NC
Hamp. Town #22	804.96	NA	0.41	804.55	1.12	803.84	0.76	804.20	1.58	803.38
Pembroke #1	NA	NA	11.41	NC	10.97	NC	11.43	NC	11.43	NC
Pembroke #2	NA	NA	Damaged	NC	Damaged	NC	Damaged	NC	Damaged	NC
N. Houcks. Rd.	NA	NA	10.53	NC	10.96	NC	10.69	NC	9.89	NC
E. Century St.	NA	NA	19.23	NC	19.18	NC	19.27	NC	19.22	NC
Lwr. Beckleys. Rd.	NA	NA	55.47	NC	54.93	NC	54.86	NC	56.44	NC

**Table 2-2
Groundwater Elevation Data (July 2011 through June 2012)
Black & Decker
Hampstead, Maryland**

WELL NO.	TOC ELEV	TOTAL DEPTH	11/1/2012		12/28/2012		1/18/2013		2/21/2013	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NC	DRY	NC	DRY	NC	DRY	NC
EW-2	849.21	110	93.01	756.20	92.88	756.33	92.40	756.81	92.63	756.58
EW-3	846.64	118	85.95	760.69	85.06	761.58	84.50	762.14	84.91	761.73
EW-4	858.01	97.5	PC	NC	PC	NC	PC	NC	PC	NC
EW-5	864.17	98	90.22	773.95	89.77	774.40	88.71	775.46	89.91	774.26
EW-6	831.98	115	103.00	728.98	103.00	728.98	103.00	728.98	102.87	729.11
EW-7	818.38	78	73.00	745.38	73.00	745.38	73.00	745.38	73.00	745.38
EW-8	811.13	98	96.00	715.13	96.00	715.13	96.00	715.13	95.87	715.26
EW-9	811.35	141	103.00	708.35	103.00	708.35	103.00	708.35	103.00	708.35
EW-10	807.74	NA	55.88	751.86	55.14	752.60	49.63	758.11	47.50	760.24
RFW-1A	864.37	78	51.51	812.86	51.43	812.94	49.61	814.76	49.32	815.05
RFW-1B	864.23	200	51.62	812.61	51.44	812.79	49.69	814.54	49.40	814.83
RFW-2A	857.41	35	13.33	844.08	14.71	842.70	12.68	844.73	12.72	844.69
RFW-2B	857.73	75	13.45	844.28	15.02	842.71	13.20	844.53	13.30	844.43
RFW-3B	839.21	153	30.17	809.04	32.41	806.80	32.13	807.08	31.57	807.64
RFW-4A	830.37	62	37.01	793.36	37.12	793.25	36.13	794.24	35.88	794.49
RFW-4B	830.37	120	36.81	793.56	36.84	793.53	36.04	794.33	35.76	794.61
RFW-5A	817.50	30	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-6	785.04	120	2.94	782.10	3.67	781.37	4.73	780.31	3.39	781.65
RFW-7	805.14	29	4.63	800.51	7.55	797.59	6.18	798.96	5.29	799.85
RFW-8	860.07	53	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-9	862.02	49	25.85	836.17	27.11	834.91	24.71	837.31	24.67	837.35
RFW-10	852.06	58	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-11A	849.32	72	Damaged	NC	Damaged	NC	Damaged	NC	Damaged	NC
RFW-11B	849.62	116	63.41	786.21	63.06	786.56	64.10	785.52	63.36	786.26
RFW-12B	844.87	264	50.46	794.41	50.14	794.73	50.38	794.49	50.46	794.41
RFW-13	849.11	150	62.98	786.13	60.86	788.25	62.73	786.38	63.80	785.31
RFW-14B	812.39	281	52.09	760.30	51.89	760.50	53.12	759.27	54.09	758.30
RFW-16	856.14	41	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-17	834.66	60.5	27.13	807.53	26.20	808.46	27.43	807.23	27.61	807.05
RFW-20	842.29	142	35.57	806.72	34.13	808.16	33.20	809.09	33.22	809.07
RFW-21	832.65	102	21.61	811.04	21.41	811.24	20.19	812.46	20.28	812.37
PH-7	805.94	89	29.53	776.41	29.41	776.53	24.01	781.93	23.66	782.28
PH-9	814.94	98	51.94	763.00	51.87	763.07	50.07	764.87	49.87	765.07
PH-11	820.68	78	48.26	772.42	48.73	771.95	48.88	771.80	48.63	772.05
PH-12	828.35	87	50.98	777.37	51.60	776.75	51.06	777.29	51.11	777.24
B-3	803.02	83	10.47	792.55	10.83	792.19	9.83	793.19	10.16	792.86
Amoco	842.29	NA	NA	NC	NA	NC	NA	NC	NA	NC
Hamp. Town #22	804.96	NA	2.19	802.77	0.79	804.17	1.68	803.28	2.15	802.81
Pembroke #1	NA	NA	11.33	NC	11.12	NC	10.59	NC	10.86	NC
Pembroke #2	NA	NA	Damaged	NC	Damaged	NC	Damaged	NC	Damaged	NC
N. Houcks. Rd.	NA	NA	9.53	NC	9.74	NC	9.98	NC	11.01	NC
E. Century St.	NA	NA	19.19	NC	19.21	NC	19.23	NC	19.21	NC
Lwr. Beckleys. Rd.	NA	NA	55.49	NC	55.77	NC	53.68	NC	54.83	NC

Table 2-2
Groundwater Elevation Data (July 2011 through June 2012)
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV	TOTAL DEPTH	3/10/2013		4/10/2013		5/20/2013		6/27/2013	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NC	DRY	NC	DRY	NC	DRY	NC
EW-2	849.21	110	92.27	756.94	92.46	756.75	93.41	755.80	92.40	756.81
EW-3	846.64	118	84.46	762.18	83.96	762.68	84.09	762.55	85.25	761.39
EW-4	858.01	97.5	PC	NC	PC	NC	PC	NC	PC	NC
EW-5	864.17	98	88.84	775.33	90.11	774.06	89.84	774.33	89.86	774.31
EW-6	831.98	115	102.46	729.52	103.00	728.98	103.00	728.98	103.00	728.98
EW-7	818.38	78	73.00	745.38	73.00	745.38	74.50	743.88	75.00	743.38
EW-8	811.13	98	95.18	715.95	96.00	715.13	95.00	716.13	96.00	715.13
EW-9	811.35	141	103.50	707.85	103.00	708.35	103.00	708.35	103.00	708.35
EW-10	807.74	NA	50.77	756.97	49.98	757.76	48.02	759.72	49.11	758.63
RFW-1A	864.37	78	49.43	814.94	50.11	814.26	49.36	815.01	49.33	815.04
RFW-1B	864.23	200	49.46	814.77	50.15	814.08	49.42	814.81	49.35	814.88
RFW-2A	857.41	35	12.74	844.67	13.06	844.35	13.81	843.60	13.69	843.72
RFW-2B	857.73	75	13.10	844.63	13.41	844.32	14.46	843.27	14.38	843.35
RFW-3B	839.21	153	32.64	806.57	32.68	806.53	30.18	809.03	29.98	809.23
RFW-4A	830.37	62	36.22	794.15	37.10	793.27	35.77	794.60	35.97	794.40
RFW-4B	830.37	120	36.18	794.19	36.94	793.43	35.70	794.67	35.89	794.48
RFW-5A	817.50	30	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-6	785.04	120	4.83	780.21	4.86	780.18	2.82	782.22	2.43	782.61
RFW-7	805.14	29	7.11	798.03	7.84	797.30	5.43	799.71	5.87	799.27
RFW-8	860.07	53	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-9	862.02	49	25.26	836.76	25.83	836.19	25.09	836.93	25.13	836.89
RFW-10	852.06	58	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-11A	849.32	72	Damaged	NC	Damaged	NC	Damaged	NC	Damaged	NC
RFW-11B	849.62	116	64.26	785.36	64.33	785.29	62.32	787.30	62.41	787.21
RFW-12B	844.87	264	51.04	793.83	51.61	793.26	49.33	795.54	49.26	795.61
RFW-13	849.11	150	62.88	786.23	63.12	785.99	60.09	789.02	60.41	788.70
RFW-14B	812.39	281	54.26	758.13	54.36	758.03	53.15	759.24	53.29	759.10
RFW-16	856.14	41	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-17	834.66	60.5	26.99	807.67	27.27	807.39	25.47	809.19	25.43	809.23
RFW-20	842.29	142	33.41	808.88	33.84	808.45	32.70	809.59	32.60	809.69
RFW-21	832.65	102	20.26	812.39	21.32	811.33	19.42	813.23	19.72	812.93
PH-7	805.94	89	24.32	781.62	24.61	781.33	24.88	781.06	24.84	781.10
PH-9	814.94	98	50.19	764.75	50.34	764.60	50.45	764.49	50.17	764.77
PH-11	820.68	78	49.13	771.55	49.70	770.98	50.71	769.97	50.53	770.15
PH-12	828.35	87	52.08	776.27	52.11	776.24	52.48	775.87	52.16	776.19
B-3	803.02	83	10.22	792.80	9.94	793.08	9.86	793.16	9.72	793.30
Amoco	842.29	NA	NA	NC	NA	NC	NA	NC	NA	NC
Hamp. Town #22	804.96	NA	2.68	802.28	1.32	803.64	2.55	NC	2.40	802.56
Pembroke #1	NA	NA	11.27	NC	11.26	NC	11.19	NC	10.98	NC
Pembroke #2	NA	NA	Damaged	NC	Damaged	NC	Damaged	NC	Damaged	NC
N. Houcks. Rd.	NA	NA	10.71	NC	10.87	NC	10.86	NC	10.27	NC
E. Century St.	NA	NA	19.27	NC	19.22	NC	19.21	NC	19.23	NC
Lwr. Beckleys. Rd.	NA	NA	54.91	NC	54.91	NC	55.02	NC	54.71	NC

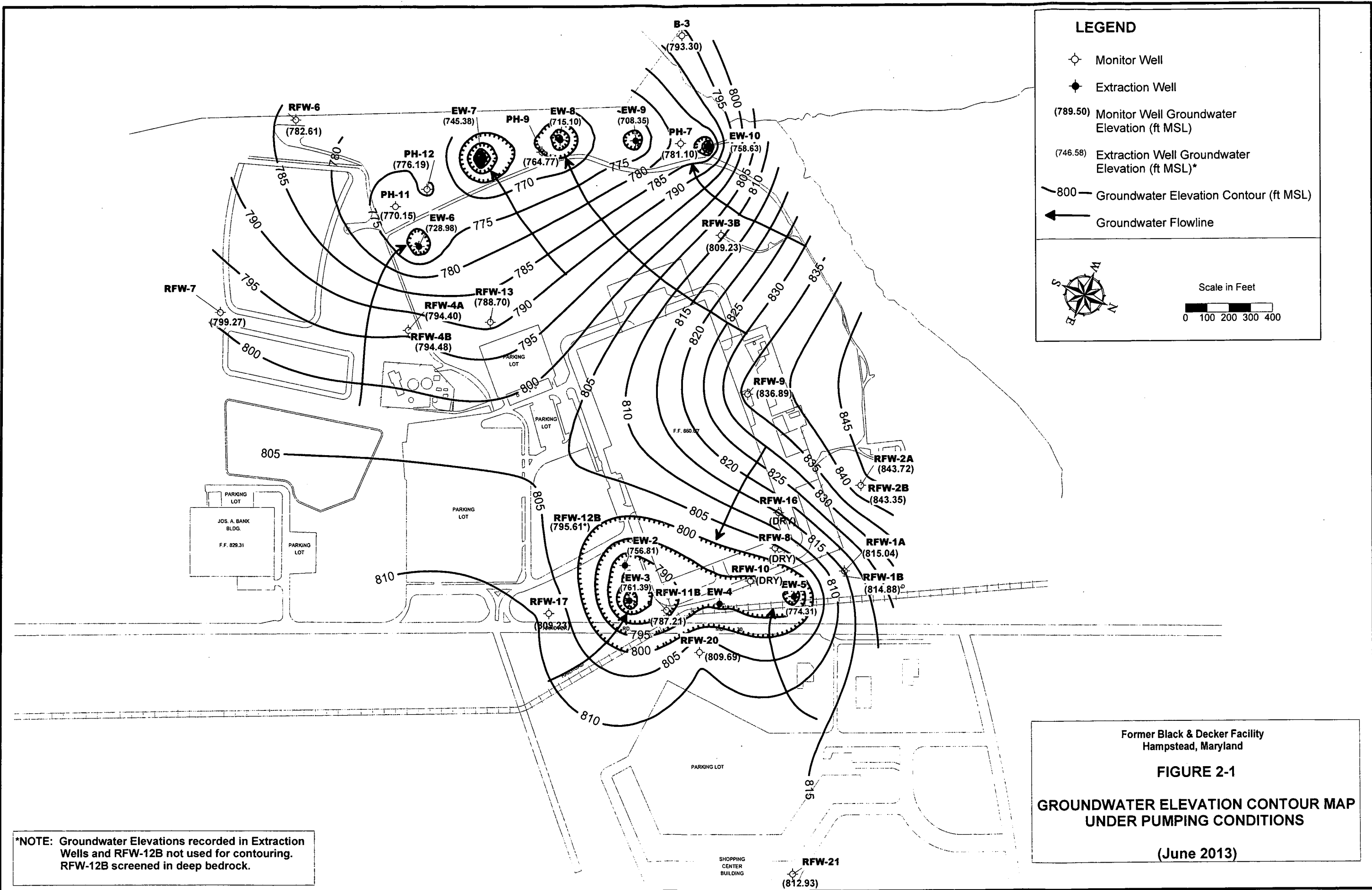


Table 2-3
Effluent Characteristics Summary (July 2012 through June 2013)
Black & Decker
Hampstead, Maryland

Discharge Number	Parameter	Units	Permit Limits	DMR DATE					
				July 2012	August 2012	September 2012	October 2012	November 2012	December 2012
001	FLOW average	MGD	NA	0.196	0.184	0.154	0.265	0.243	0.222
	maximum	MGD	NA	0.804	0.739	0.356	1.155	0.980	1.128
	1,1,1-Trichloroethane	ug/l	5	<1	<1	<1	<1	<1	<1
	Tetrachloroethylene	ug/l	5	<1	<1	<1	<1	<1	<1
	Trichloroethylene	ug/l	5	<1	<1	<1	<1	<1	<1
	Total Residual Chlorine	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Oil & Grease maximum	mg/l	15	<5	<5	<5	<5	<5	<5
	monthly average	mg/l	10	<5	<5	<5	<5	<5	<5
	pH minimum	STD	6.0	7.0	7.0	7.0	6.7	7.0	6.7
	maximum	STD	8.5	7.4	7.8	8.1	7.5	7.8	7.9
BOD	mg/l	15	15	7.0	5.0	2.0	5.0	0.0	5.0
TSS maximum	mg/l	30	30	10.0	19.0	0.0	5.0	4.0	<1
monthly average	mg/l	20	20	10.0	19.0	0.0	5.0	4.0	<1
101 (Monitoring Point)	FLOW average	MGD	NA	0.137	0.190	0.205	0.220	0.219	0.199
	maximum	MGD	NA	0.292	0.236	0.245	0.265	0.271	0.277
	Fecal Coliform	MPN/100ml	200	7.8	49.0	1.0	5.0	5.0	1.0
201 (Monitoring Point)	FLOW average	MGD	NA	NR	NR	0.242	NR	NR	0.235
	maximum	MGD	NA	NR	NR	0.268	NR	NR	0.284
	1,1,1-Trichloroethane	ug/l	NA	NR	NR	<1	NR	NR	<1
	Tetrachloroethylene	ug/l	NA	NR	NR	<1	NR	NR	<1
	Trichloroethylene	ug/l	NA	NR	NR	<1	NR	NR	<1

DMR - Discharge Monitoring Report

NA - Not Applicable

NR - Not Reported

**Table 2-3
Effluent Characteristics Summary (July 2012 through June 2013)
Black & Decker
Hampstead, Maryland**

Discharge Number	Parameter	Units	Permit Limits	DMR DATE						
				January 2013	February 2013	March 2013	April 2013	May 2013	June 2013	
001	FLOW	average	MGD	NA	0.188	0.277	0.257	0.205	0.266	0.332
		maximum	MGD	NA	1.106	0.632	0.800	0.777	0.910	0.972
	1,1,1-Trichloroethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1
	Tetrachloroethylene	ug/l	5	<1	<1	<1	<1	<1	<1	<1
	Trichloroethylene	ug/l	5	<1	<1	<1	<1	<1	<1	<1
	Total Residual Chlorine	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Oil & Grease	maximum	mg/l	15	<5	<5	<5	<5	<5	<5
		monthly average	mg/l	10	<5	<5	<5	<5	<5	<5
	pH	minimum	STD	6.0	6.70	7.20	6.90	6.9	7.2	7.4
		maximum	STD	8.5	8.10	8.20	7.90	8.0	8.1	8.2
	BOD		mg/l	15	<2	7.0	5.0	4.0	3.0	9.0
TSS	maximum	mg/l	30	<4	13.0	4.0	5.0	8.0	14.0	
	monthly average	mg/l	20	<4	13.0	4.0	5.0	8.0	14.0	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.168	0.202	0.195	0.208	0.161	0.155
		maximum	MGD	NA	0.271	0.240	0.285	0.250	0.231	0.176
	Fecal Coliform	MPN/100ml	200	1.0	5.0	1.0	5.0	8.0	70.0	
201 (Monitoring Point)	FLOW	average	MGD	NA	NR	NR	0.229	NR	NR	0.246
		maximum	MGD	NA	NR	NR	0.337	NR	NR	0.286
	1,1,1-Trichloroethane	ug/l	NA	NR	NR	<1	NR	NR	<1	
	Tetrachloroethylene	ug/l	NA	NR	NR	<1	NR	NR	<1	
	Trichloroethylene	ug/l	NA	NR	NR	<1	NR	NR	<1	

DMR - Discharge Monitoring Report

NA - Not Applicable

NR - Not Reported

A summary of the analytical results of the groundwater samples collected from the monitor and extraction wells during the third and fourth quarters of 2012 and the first and second quarters of 2013 are included in Tables 2-4, 2-5, 2-6, and 2-7, respectively. As found in earlier sampling events at the Black & Decker facility, TCE and PCE were the primary VOCs detected at the highest concentrations in the groundwater samples. The highest concentrations of TCE were detected in the groundwater samples collected from wells EW-2 and EW-4 and the highest concentrations of PCE were detected in the groundwater samples collected from well EW-9. The remainder of the detected VOCs, were detected at levels well below the Federal Maximum Concentration Levels (MCLs). The second quarter 2013 (May 2013) analytical data package is included in Appendix D. Analytical data packages for the remaining quarters are included in the respective Quarterly Groundwater Monitoring Reports.

Table 2-4
 Summary of Groundwater Analytical Results - August 2012
 Black & Decker
 Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2	EW-3	EW-4	EW-5	EW-6	EW-7	EW-8	EW-9	EW-9 (DUP)	EW-10
Chloromethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	ug/L	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	0.7 J	1 U	1 U	1 U
1,2-Dichloroethene (total)	ug/L	NS	3.7	1.7	1 U	1 U	1 U	3.9	24	1 U	1 U	1 U
Chloroform	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	ug/L	NS	220	44	790	100	6.3	3.2	8.5	0.7	0.7	1 U
Dibromochloromethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	ug/L	NS	51	1.4	16	3.2	12	7.1	71	85	88	0.8 J
1,1,2,2-Tetrachloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.

J = Indicates an estimated value.

NS = Not Sampled

Table 2-4
 Summary of Groundwater Analytical Results - August 2012
 Black & Decker
 Hampstead, Maryland

PARAMETER	Units	RFW-1A	RFW-1B	RFW-2A	RFW-2B	RFW-3B	RFW-4A	RFW-4A (DUP)	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10
Chloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Bromomethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Vinyl Chloride	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Chloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Methylene Chloride	ug/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NS	2 U	2 U	NS	2 U	NS
Acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
1,1-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	0.8 J	NS
1,1-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	0.8 J	NS
1,2-Dichloroethene (total)	ug/L	1 U	1 U	1 U	1 U	1.5	0.7 J	0.7 J	3.1	NS	1 U	1 U	NS	16	NS
Chloroform	ug/L	1 U	1 U	1 U	1 U	1 U	0.6 J	0.6 J	1 U	NS	1 U	1 U	NS	1 U	NS
1,2-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
2-Butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
1,1,1-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	0.9 J	NS
Carbon Tetrachloride	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Bromodichloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
1,2-Dichloropropane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
cis-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Trichloroethene	ug/L	0.5 J	0.5	1	1	0.7	28	28	11	NS	0.7	2.2	NS	11	NS
Dibromochloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
1,1,2-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Benzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	0.2 J	NS	1 U	NS
Trans-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Bromoform	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
4-Methyl-2-pentanone	ug/L	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
Tetrachloroethene	ug/L	1 U	1 U	1 U	1 U	0.6 J	20	20	28	NS	0.6 J	1 U	NS	6	NS
1,1,2,2-Tetrachloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Toluene	ug/L	1 U	1 U	1 U	1 U	0.2 J	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Chlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Ethylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Styrene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Xylene (total)	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS

Notes: DUP = Duplicate sample
 NS = Not sampled

U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.
 J = Indicates an estimated value.