

**LONG TERM GROUNDWATER MONITORING REPORT  
MARCH 6, 2013**

**ANDERSON CLEANERS  
5 HUNT ROAD  
JAMESTOWN, NEW YORK  
BCP SITE #C907027**

Prepared For: Anderson Cleaners, Inc.  
5 Hunt Road  
Jamestown, New York 14701

Prepared By: Day Environmental, Inc.  
1563 Lyell Avenue  
Rochester, New York 14606

Project No.: 3563S-04

Date: April 2013

**LOCATION:** Anderson Cleaners  
BCP Site # C907027  
5 Hunt Road  
Jamestown, New York  
See Figure 1 (Project Locus)

**MONITORING DATE:** March 6, 2013

**OBJECTIVE:** Measure groundwater levels and evaluate the presence of non-aqueous phase liquid (NAPL) in monitoring/extraction wells shown on the attached Site Plan (Figure 2); collect groundwater samples for in-situ testing of select field parameters and analytical laboratory testing of halogenated volatile organic compounds (VOCs) from monitoring wells included in the long term groundwater monitoring program for the site. These monitoring wells include:

*Overburden/Top of Till:* MW-07, MW-200, MW-201, CW-2, CW-3, and CW-4

*Fractured Rock:* BR-02FR, MW-04, and MW-06

*Bedrock:* BR-02R and BR-03R

Note: The long term monitoring events are conducted two times per year (i.e., tentatively in March and September). During the March monitoring event, samples are collected from each of the long term monitoring wells and tested for the in-situ parameters of groundwater levels, pH, DO, ORP, and specific conductance, however, only samples collected from the overburden/top of till monitoring wells are submitted to the analytical laboratory for testing of halogenated VOCs. During the September monitoring event, samples from each of the long term monitoring wells are evaluated for in-situ parameters and submitted to the analytical laboratory for testing of halogenated VOCs.

**GROUNDWATER SAMPLE LOGS:** Copies of the sampling logs prepared for the current monitoring event are presented in Attachment A. These logs also include the in-situ measurements of dissolved oxygen (DO), oxygen reduction potential (ORP), turbidity, conductivity, pH and temperature measured at the time of sampling.

**GROUNDWATER ELEVATIONS, NAPL OBSERVATIONS AND IN-SITU MEASUREMENTS:** Groundwater elevations calculated based on the measurements and in-situ water quality measurements are summarized on Table 1 *Summary of Water Quality Parameters-Groundwater Samples*. During the current monitoring event, evidence of NAPL was not detected in any of the long term monitoring wells evaluated.

**GROUNDWATER CONTOUR MAP:** A copy of the Potentiometric Groundwater Contour Map developed based upon depth to water measurements made on March 6, 2013 is presented as Figure 2.

**ANALYTICAL LABORATORY RESULTS:** A copy of the laboratory report prepared by Spectrum Analytical, Inc. and executed chain-of-custody documentation for the March 6, 2013 sample event are included in Attachment B. A summary of the halogenated VOCs historically detected

in the monitoring wells samples collected from this site is presented on Table 2 *Summary of Analytical Laboratory Results Groundwater Samples*.

#### **DISCUSSION:**

- 1) As shown on Figure 2, groundwater flow within the overburden is predominately to the east away from the Anderson Cleaners building. However, it appears that groundwater flow is modified in proximity of monitoring well CW-4 suggesting discharge into a 21-inch storm sewer, or associated bedding material, that is located in this area. In addition, the groundwater elevations measured in monitoring/extraction wells MW-07 and MW-207, which are located near the southeastern corner of the Anderson Cleaners building, are lower than would be expected based on the elevations measured in downgradient monitoring wells. These lower groundwater elevations appear to be the result of pumping conducted as part of the operation of the DNAPL removal system. [Note: The DNAPL removal system began operation on August 17, 2012, and the system operated from start-up through March 6, 2013, pumping at rates of 0.3 to 0.5 gallons per minute (gpm). At the time of sampling on March 6, 2013, only one DNAPL extraction well (i.e., EW-2, which is located in the Garage Area of the Anderson Cleaners building) was operating.]
- 2) The in-situ dissolved oxygen measurements made during the March 6, 2013 monitoring event ranged from 0 mg/l (monitoring wells MW-06, BR-02R and BR-03R) to 4.24 mg/l (monitoring well MW-200). The dissolved oxygen measured in the overburden/top of till monitoring wells ranged between 0.10 mg/l (MW-07) to 4.24 mg/l (MW-200) with an average value of 1.26 mg/l. The dissolved oxygen levels measured in the fractured bedrock and bedrock monitoring wells were lower than those measured in the overburden/top of till monitoring wells (i.e., averaging 0.1 mg/l and 0 mg/l, respectively).
- 3) The ORP measurements made during the March 6, 2013 monitoring event were negative in monitoring wells MW-201 (-53 mV) and BR-02R (-164 mV) indicating reducing conditions, and positive in the remaining monitoring wells tested [i.e., ranging from 74 mV (BR-02R) and 310 mV (CW-3)] indicating an oxidizing condition.
- 4) The specific conductivity readings measured on March 6, 2013 varied for each zone monitored with average specific conductivity readings of 2.01 mS/cm measured within the overburden/top of till monitoring wells, 0.81 mS/cm measured in the fractured bedrock wells, and 0.56 mS/cm measured in the bedrock monitoring wells.
- 5) The stabilized pH measured in the samples collected during the March 6, 2013 ranged between 7.04 s.u. (MW-07) and 8.37 s.u. (MW-06), and the average pH values varied between each of the zones monitored [e.g., 7.73 s.u. (overburden/top of till), 7.93 s.u. (fractured rock), and 8.02 s.u. (bedrock)].
- 6) As shown on Table 2, halogenated VOCs were detected in each of the groundwater samples collected and tested during the March 6, 2013 sample event. With the exception of the sample collected from monitoring well MW-201, tetrachloroethene (PCE) was detected in each of the overburden/top of till samples tested. [Note: The analytical laboratory reported a detection limit of 186 ug/l for PCE in the sample from MW-201

that was tested.] Breakdown products of PCE including trichlorethene (TCE), cis 1,2-dichloroethene (cis 1,2-DCE) and vinyl chloride (VC) were detected in a least one of the monitoring well sampled on March 6, 2013. A comparison of the March 6, 2013 test results to previous data suggests the following trends:

- The PCE concentrations measured samples collected recently from monitoring well MW-07 suggest a decreasing trend. Specifically, a PCE concentration of 15,600 ug/l was measured in a sample collected on August 8, 2012 (i.e., prior to the start-up of the DNAPL collection system), and subsequently PCE concentrations of 6,410 ug/l and 2,140 were measured on November 16, 2012 and March 6, 2013 (i.e., with the DNAPL system operating). The PCE concentration measured in the sample collected on March 6, 2013 was the lowest concentration historically measured at this location. It is possible that the decreasing trend of PCE concentrations detected in the samples recently collected/tested from MW-07 could be indicative of the effectiveness of the DNAPL removal system in eliminating the DNAPL, which serves as a source of the dissolved PCE within the groundwater.
- The concentrations of halogenated VOCs measured in the samples collected from the downgradient overburden/top of till monitoring wells on March 6,2013 (i.e., monitoring wells MW-200, MW-201, and CW-2 through CW-4) were similar to those detected during previous monitoring events.
- The highest concentrations of halogenated VOCs detected in downgradient overburden/top of till locations were measured in monitoring wells located in proximity of the 21-inch storm sewer that appears to have impacted the groundwater flow patterns as discussed above. The elevated halogenated VOC concentrations and altered groundwater flow patterns suggest preferential flow along the storm sewer line (and possibly an adjacent sanitary sewer line).

**SCHEDULE:** The next long term groundwater monitoring event is scheduled for on, or about, September 4, 2013.

#### **List of Figures**

- Figure 1 Project Locus Map  
Figure 2 Potentiometric Overburden Groundwater Contour Map for March 6, 2013

#### **List of Tables**

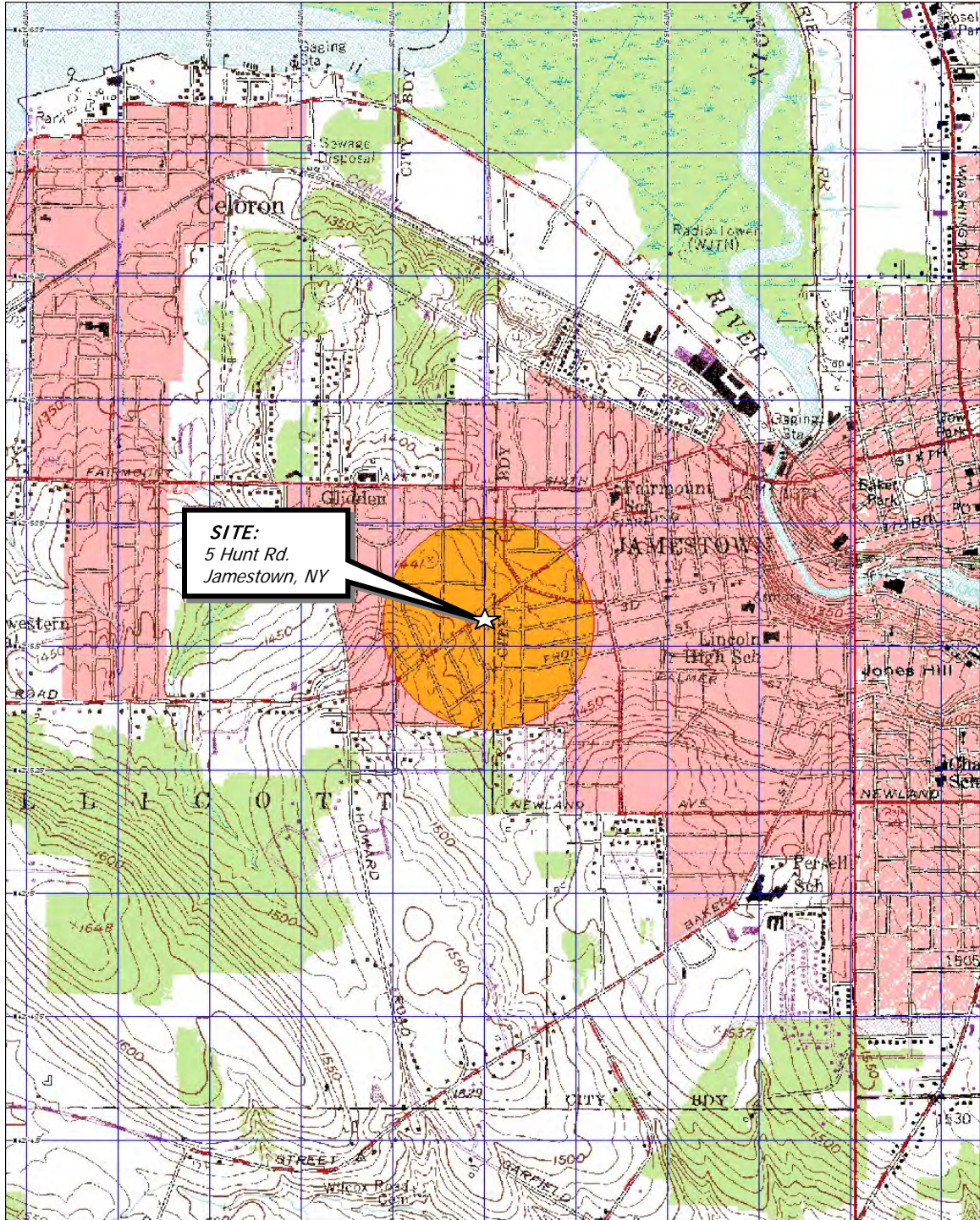
- Table 1 Summary of Water Quality Parameters – Groundwater Samples  
Table 2 Summary of Analytical Laboratory Results – Groundwater Samples

#### **List of Attachments**

- Attachment A Monitoring Well Sampling Logs for Samples Collected March 6, 2013  
Attachment B Spectrum Analytical Inc. Laboratory Report and Chain-of-Custody Documentation


## **FIGURES**





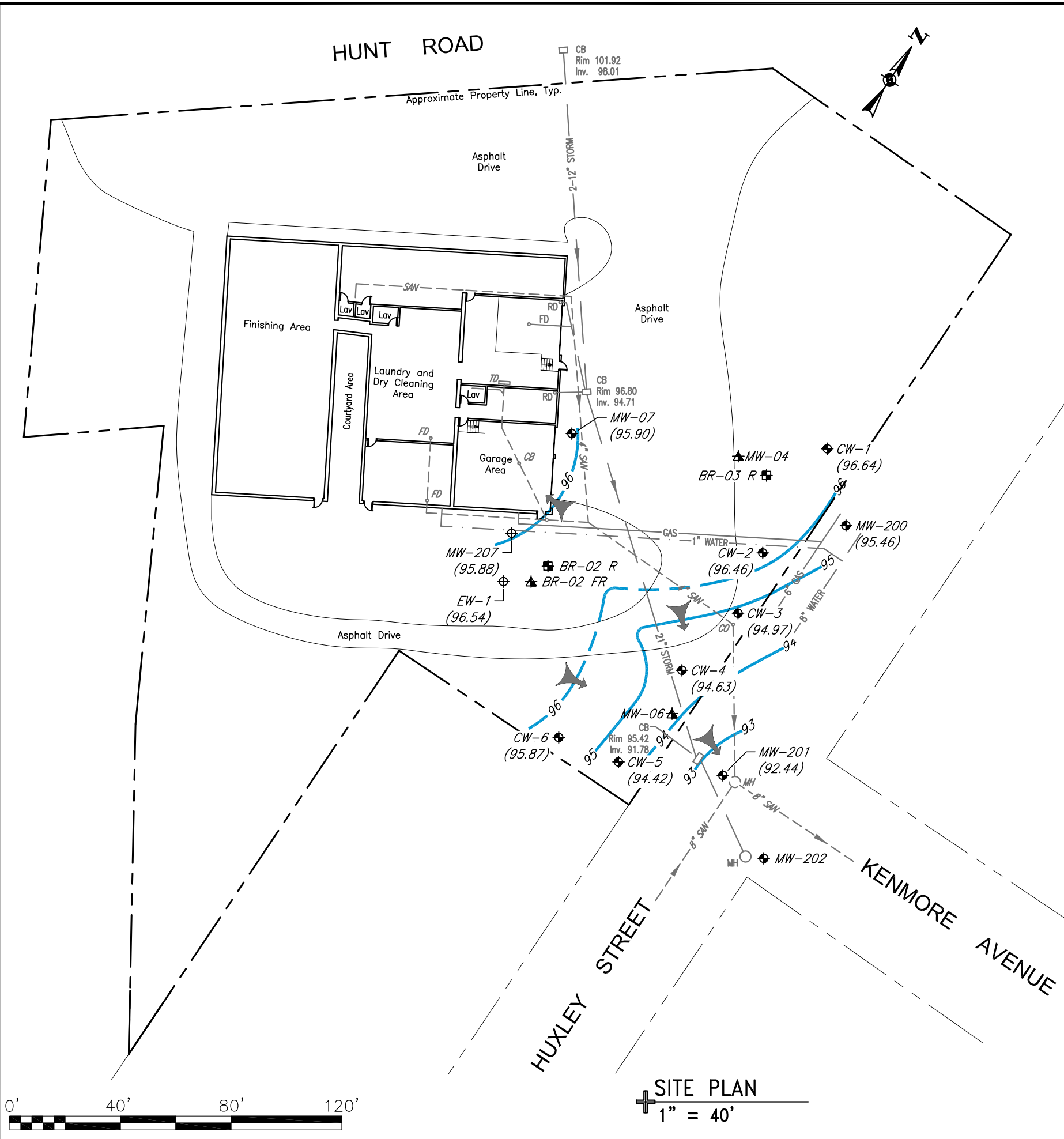
3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 550 ft Scale: 1:19,200 Detail: 14:0 Datum: WGS84

Drawing Produced From: 3-D TopoQuads, DeLorme Map Co., referencing USGS quad map Lakewood (NY) 1979 and Jamestown (NY) 1979. Site Lat/Long: N42°05.55' - W79°16.00'

DATE <b>04-23-2013</b>	 <p><b>DAY ENVIRONMENTAL, INC.</b>          ENVIRONMENTAL CONSULTANTS          ROCHESTER, NEW YORK 14614-1008</p>	PROJECT TITLE <b>5 HUNT ROAD          JAMESTOWN, NEW YORK</b>  <b>LONG TERM MONITORING          BCP #C907027</b>	PROJECT NO. <b>3563S-04</b>  <b>FIGURE 1</b>
DRAWN BY <b>RJM</b>		DRAWING TITLE <b>PROJECT LOCUS MAP</b>	
SCALE <b>1" = 2000'</b>			



Ref1: GW Contours March 6 2013.dwg  
 Ref2:  
 Ref3:  
 Xerox432AnsiB-2; 11 x 17  
 Layout Name: Layout1  
 Pen Setting File: 800psFullcolor.ctb  
 Time Plotted: Tuesday, April 23, 2013 2:43:32 PM  
 File Name: U:\McPhee\Drawings\Brownfield\3563\GW Flow Map March 6 2013.dwg



**LEGEND:**

- BR-03 R Bedrock Monitoring Well
- MW-04 Top of Rock/Fractured Rock Monitoring Well
- CW-1 Overburden/Top of Till Monitoring Well
- EW-1 DNAPL Extraction Well
- (96.54) Groundwater Elevation Referenced to the Arbitrary Site Datum
- 95 Goundwater Contour
- Groundwater Flow Direction
- CB Catch Basin
- FD Floor Drain
- MH Manhole
- Rim 100.83 Rim Elevation In Feet
- Inv. 95.55 Invert Elevation In Feet
- RD Roof Drain
- TD Trench Drain
- 6" GAS Gas Line (Approx 2.5 feet below grade)
- 8" SAN Sanitary Sewer (Approx 5-7 feet below grade)
- STORM Storm Sewer (Approx 4-6 feet below grade)
- 8" WATER Water Line (Approx 5-7 feet below grade)

- NOTES:**
1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of site visits by representatives of Day Environmental, Inc.
  2. Well locations MW-04, MW-06, MW-07 and MW-08 were obtained in the field by a Trimble GeoXT GPS. Other well and test boring locations were obtained by tape measurement from existing site structure. Locations should be considered accurate to the degree implied by the method used.
  3. Utility locations were obtained in the field by a Trimble GeoXT GPS, from drawings referenced in Note 1, A 1967 map from Jamestown DPW showing the proposed location of a permanent easement for the purpose of constructing and maintaining a storm sewer from the existing catch basin on the west side of Huxley Street to the west city line, and from a 1951 DPW storm sewer filed book number 438S, page 107. Locations should be considered accurate to the degree implied by the method used.
  4. Elevation survey data determined by Michael J. Rodgers, LS, PC, and referenced to an arbitrary site wide datum. Elevations should be considered accurate to the degree implied by the method used.
  5. Approximate depths of gas line, sanitary sewer, storm sewer and water line were obtained from a hand drawn plan from "Jamestown Board of Public Utilities, Anderson Cleaners Sewer Connection Map", dated October 2, 1985.

DATE	3-6-2013
DATE DRAWN	4-19-2013
DATE ISSUED	4-23-2013
FIELD VERIFIED BY	CAH
DRAWN BY	RJM
SCALE	As Noted

**day**  
 DAY ENVIRONMENTAL, INC.  
 ENVIRONMENTAL CONSULTANTS  
 ROCHESTER, NEW YORK 14606  
 NEW YORK, NEW YORK 10170

PROJECT TITLE  
**5 HUNT ROAD  
 JAMESTOWN, NEW YORK**

DRAWING TITLE  
**LONG TERM GROUNDWATER MONITORING  
 Potentiometric Overburden Groundwater Contour Map  
 For March 6, 2013**

PROJECT NO.  
 3563S-04

**FIGURE 2**

## **TABLES**



Table 1  
 Long Term Monitoring Program  
 5 Hunt Road  
 Jamestown, New York  
 NYSDEC BCP Site #C907027

Summary of Water Quality Parameters - Groundwater Samples

WELL ID	Parameter	DATE	
		8/8/2012	3/6/2013
MW-07	GW Elevation (ft)	95.27	95.90
	pH (su)	N/M	7.04
	S.C. (mS/cm)	N/M	1.70
	D.O. (mg/l)	0.9	0.10
	O.R.P. (mV)	106	100
MW-200	GW Elevation (ft)	92.99	95.46
	pH (su)	N/M	8.23
	S.C. (mS/cm)	N/M	2.68
	D.O. (mg/l)	0.6	4.24
	O.R.P. (mV)	70	196
MW-201	GW Elevation (ft)	92.08	92.44
	pH (su)	N/M	7.58
	S.C. (mS/cm)	N/M	2.11
	D.O. (mg/l)	2.3	1.38
	O.R.P. (mV)	-31	-53
CW-2	GW Elevation (ft)	--	96.46
	pH (su)	--	7.65
	S.C. (mS/cm)	--	2.01
	D.O. (mg/l)	--	0.88
	O.R.P. (mV)	--	299
CW-3	GW Elevation (ft)	--	94.97
	pH (su)	--	7.77
	S.C. (mS/cm)	--	1.90
	D.O. (mg/l)	--	0.70
	O.R.P. (mV)	--	310
CW-4	GW Elevation (ft)	--	94.63
	pH (su)	--	8.10
	S.C. (mS/cm)	--	1.64
	D.O. (mg/l)	--	0.23
	O.R.P. (mV)	--	193
MW-04	GW Elevation (ft)	97.72	100.16
	pH (su)	N/M	7.83
	S.C. (mS/cm)	N/M	1.11
	D.O. (mg/l)	0.7	0.14
	O.R.P. (mV)	95	133
MW-06	GW Elevation (ft)	96.95	100.09
	pH (su)	N/M	8.37
	S.C. (mS/cm)	N/M	0.70
	D.O. (mg/l)	2	0.00
	O.R.P. (mV)	-52	197
BR-02FR	GW Elevation (ft)	97.89	100.22
	pH (su)	N/M	7.58
	S.C. (mS/cm)	N/M	0.62
	D.O. (mg/l)	0.6	0.13
	O.R.P. (mV)	121	74
BR-02R	GW Elevation (ft)	97.99	100.46
	pH (su)	N/M	8.17
	S.C. (mS/cm)	N/M	0.60
	D.O. (mg/l)	0.8	0.00
	O.R.P. (mV)	88	-164
BR-03R	GW Elevation (ft)	98.39	100.01
	pH (su)	N/M	7.86
	S.C. (mS/cm)	N/M	0.51
	D.O. (mg/l)	0.3	0.00
	O.R.P. (mV)	69	131

NM = Not Measured

**Table 2**  
**Summary of Analytical Laboratory Results**  
**Groundwater Samples**

**Anderson Cleaners Site**  
**Jamestown, New York**  
**BCP Site C907027**

Constituent	Sample Locations and Sample Dates																							
	MW-01	MW-02	MW-03			MW-04						MW-05		MW-06										
	5/25/2005	1/12/2006	5/25/2005	1/12/2006	9/12/2006	5/25/2005	1/12/2006	1/4/2007	2/13/2007	3/15/2007	11/8/2007	7/24/2008	1/15/2010	5/5/2010	8/8/2012	5/25/2005	1/12/2006	5/25/2005	1/12/2006	1/4/2007	2/13/2007	3/15/2007	7/24/2008	8/8/2012
PCE	U (10)	2,090	1,400	1,040	1,560	1,200	1,230	1,820	1,120	904	189	734	837	694	974	2 E	U (2)	620	392	369	256	246	329	187
TCE	U (10)	U (20)	U (10)	U (20)	U (20)	1 E	U (20)	U (200)	U (200)	U (100)	1,220	113	34.9	31.4	U (18.9)	U (10)	U (2)	1 E	U (10)	U (4)	U (5)	U (5)	U (5)	U (3.8)
trans 1,2-DCE	U (10)	U (20)	U (10)	U (20)	U (20)	U (10)	U (20)	U (200)	U (200)	U (100)	187	U (20)	U (20)	U (20)	U (17.0)	U (10)	U (2)	U (10)	U (10)	U (4)	U (5)	U (5)	U (5)	U (3.4)
cis 1,2-DCE	U (10)	-	U (10)	-	-	U (10)	-	U (200)	U (200)	U (100)	3,830	101	24.6	28.6	U (17.9)	U (10)	-	U (10)	-	U (4)	U (5)	U (5)	U (5)	U (3.6)
VC	U (10)	U (20)	U (10)	U (20)	U (20)	U (10)	U (20)	U (200)	U (200)	U (100)	U (100)	U (20)	U (20)	U (20)	U (20.2)	U (10)	U (2)	U (10)	U (10)	U (4)	U (5)	U (5)	U (5)	U (4.0)
<b>Total VOCs</b>	<b>0</b>	<b>2,090</b>	<b>1,400</b>	<b>1,040</b>	<b>1,560</b>	<b>1,201</b>	<b>1,230</b>	<b>1,820</b>	<b>1,120</b>	<b>904</b>	<b>5,426</b>	<b>948</b>	<b>896.5</b>	<b>754</b>	<b>974</b>	<b>2</b>	<b>0</b>	<b>621</b>	<b>392</b>	<b>369</b>	<b>256</b>	<b>246</b>	<b>329</b>	<b>187</b>

Notes:

All samples tested for halogenated VOCs by USEPA Method 8260B and concentrations are shown in ug/L or parts per billion.

U (200) = constituent not detected at the concentration shown in parenthesis.

E = estimated concentration

PCE = tetrachloroethene

TCE = trichloroethene

trans 1,2-DCE = trans 1,2-dichloroethene

cis 1,2-DCE = cis 1,2-dichloroethene

VC = vinyl chloride

**Table 2**  
**Summary of Analytical Laboratory Results**  
**Groundwater Samples**

**Anderson Cleaners Site**  
**Jamestown, New York**  
**BCP Site C907027**

Constituent	Sample Locations and Sample Dates																							
	MW-07										PW-2			PW-3					MW-7			MW-7.1		
	5/25/2005	1/12/2006	9/12/2006	1/4/2007	2/13/2007	3/15/2007	7/24/2008	8/8/2012	11/16/2012	3/6/2013	10/21/2004	1/12/2006	8/8/2006	10/21/2004	5/25/2005	1/12/2006	8/8/2006	9/12/2006	11/23/2003	10/21/2004	5/25/2005	8/9/2006	9/12/2006	7/24/2008
PCE	9,600 E	8,590	9,170	5,310	6,440	4,240	11,600	15,600	6,410	2,140	91,400	29,700	50,400	108,000	74,000	64,700	34,100	23,100	53,300	53,700	73,000	113,000	120,000	78,100
TCE	6,500	U (200)	U (200)	U (200)	U (200)	U (200)	U (200)	U (151)	U (151)	U (37.8)	U (2000)	U (1000)	U (1000)	9,070	8,100	7,360	8,150	9,040	U (1000)	U (2000)	81	U (1000)	U (1000)	1,120
trans 1,2-DCE	61	U (200)	U (200)	U (200)	U (200)	U (200)	U (200)	U (136)	U (136)	U (34.0)	U (2000)	U (1000)	U (1000)	U (2000)	290 E	U (1000)	U (1000)	U (400)	U (1000)	U (2000)	U (10)	U (1000)	U (1000)	U (1000)
cis 1,2-DCE	7,100	-	-	U (200)	U (200)	U (200)	245	U (143)	U (143)	U (35.8)	U (2000)	-	-	72,500	57,000	-	-	-	-	U (2000)	95	-	-	U (1000)
VC	1,000	U (200)	U (200)	U (200)	U (200)	U (200)	U (200)	U (161)	U (161)	U (40.4)	U (2000)	U (1000)	U (1000)	13,800	12,000	17,900	20,400	5,490	U (1000)	U (2000)	2 E	U (1000)	U (1000)	U (1000)
<b>Total VOCs</b>	<b>24,261</b>	<b>8,590</b>	<b>9,170</b>	<b>5,310</b>	<b>6,440</b>	<b>4,240</b>	<b>11,845</b>	<b>15,600</b>	<b>6,410</b>	<b>2,140</b>	<b>91,400</b>	<b>29,700</b>	<b>50,400</b>	<b>203,370</b>	<b>151,390</b>	<b>89,960</b>	<b>62,650</b>	<b>37,630</b>	<b>53,300</b>	<b>53,700</b>	<b>73,178</b>	<b>113,000</b>	<b>120,000</b>	<b>79,220</b>

Notes:

All samples tested for halogenated VOCs by USEPA Method 8260B and concentrations are shown in ug/L or parts per billion.

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VC = vinyl chloride

**Table 2**  
**Summary of Analytical Laboratory Results**  
**Groundwater Samples**

**Anderson Cleaners Site**  
**Jamestown, New York**  
**BCP Site C907027**

Constituent	Sample Locations and Sample Dates																							
	MW-200					MW-201													MW-202	MW-203		BR-02 FR		
	4/20/2006	7/24/2008	8/8/2012	11/16/2012	3/6/2013	4/24/2006	1/4/2007	2/13/2007	3/15/2007	8/31/2007	11/8/2007	4/2/2008	7/24/2008	12/20/2008	8/8/2012	11/16/2012	12/7/2012	3/6/2013	4/20/2006	7/12/2006	7/24/2008	1/15/2010	5/5/2010	8/8/2012
<b>PCE</b>	U (2.0)	U (2.0)	1.4	U (0.7)	1.8	10,500	14,200	2,610	423	1,000	402	U (100)	U (200)	U (200)	U (186)	U (0.7)	U (250)	U (186)	U (2.0)	U (2.0)	U (2.0)	15,000	30,000	5,880
<b>TCE</b>	U (2.0)	U (2.0)	3.2	5.6	1.5	970	U (200)	17,500	937	772 E	232	U (100)	U (200)	U (200)	U (189)	U (0.8)	U (250)	U (189)	U (2.0)	U (2.0)	U (2.0)	U (200)	U (400)	499
<b>trans 1,2-DCE</b>	U (2.0)	U (2.0)	0.8	U (0.7)	U (0.7)	U (200)	U (200)	1,290	94.4	361 E	141	U (100)	U (200)	U (200)	U (170)	U (0.7)	U (250)	U (170)	U (2.0)	U (2.0)	U (2.0)	U (200)	U (400)	U (68.1)
<b>cis 1,2-DCE</b>	-	4.56	32.6	45.6	7.2	-	U (200)	7,860	U (20)	16,000	9,130	4,040	7,820	752	10,400	27.7	9,570	11,200	-	-	3.66	U (200)	U (400)	97.0
<b>VC</b>	U (2.0)	U (2.0)	0.9	0.8	U (0.8)	U (200)	U (200)	U (200)	U (20)	566 E	1,180	1,710	4,260	1,050	650	14.7	848	588	U (2.0)	3.38	U (2.0)	U (200)	U (400)	U (80.7)
<b>Total VOCs</b>	<b>ND</b>	<b>4.56</b>	<b>38.9</b>	<b>52.0</b>	<b>10.5</b>	<b>11,470</b>	<b>14,200</b>	<b>29,260</b>	<b>1,454</b>	<b>18,699</b>	<b>11,085</b>	<b>5,750</b>	<b>12,080</b>	<b>1,804</b>	<b>11,050</b>	<b>42.4</b>	<b>10,418</b>	<b>11,788</b>	<b>0</b>	<b>3.38</b>	<b>3.66</b>	<b>15,000</b>	<b>30,000</b>	<b>6,476</b>

Notes:

All samples tested for halogenated VOCs by USEPA Method 8260B and concentrations are shown in ug/L or parts per billion.

U (200) = constituent not detected at the concentration shown in parenthesis.

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trans 1,2-DCE = trans 1,2-dichloroethene

cis 1,2-DCE = cis 1,2-dichloroethene

VC = vinyl chloride

**Table 2**  
**Summary of Analytical Laboratory Results**  
**Groundwater Samples**

**Anderson Cleaners Site**  
**Jamestown, New York**  
**BCP Site C907027**

Constituent	Sample Locations and Sample Dates											
	BR-02 R			CW-1	CW-2		CW-3		CW-4		CW-5	CW-6
	1/15/2010	5/5/2010	8/8/2012	12/7/2012	11/16/2012	3/6/2013	11/16/2012	3/6/2013	11/16/2012	3/6/2013	11/16/2012	11/16/2012
PCE	334	371	1,620	13.3	155	308	794	910	39,800	31,300	U (0.7)	U (0.7)
TCE	79.8	550	1,330	1.0	60.8	40.0	U (7.6)	U (15.1)	U (378)	U (378)	U (0.8)	U (0.8)
trans 1,2-DCE	U (20)	U (20)	U (17.0)	U (1.0)	1.8	U (3.4)	U (6.8)	U (13.6)	U (340)	U (340)	U (0.7)	U (0.7)
cis 1,2-DCE	U (20)	U (20)	364	1.3	37.4	24.4	28.5	25.4	U (358)	U (358)	U (0.7)	U (0.7)
VC	79.0	115	400	U (1.0)	1.2	U (4.0)	U (8.1)	U (16.1)	U (404)	U (404)	U (0.8)	U (0.8)
<b>Total VOCs</b>	<b>492.8</b>	<b>1,036</b>	<b>3,762.5</b>	<b>15.6</b>	<b>256.2</b>	<b>372.4</b>	<b>822.5</b>	<b>935.4</b>	<b>39,800</b>	<b>31,300</b>	<b>0</b>	<b>0</b>

U (200) = constituent not detected at the concentration shown in parenthesis.

E = estimated concentration

PCE = tetrachloroethene

TCE = trichloroethene

trans 1,2-DCE = trans 1,2-dichloroethene

cis 1,2-DCE = cis 1,2-dichloroethene

VC = vinyl chloride

Attachment A

Monitoring Well Sampling Logs for Samples Collected March 6, 2013



**DAY ENVIRONMENTAL, INC.  
MONITORING WELL SAMPLING LOG**

**WELL MW-07**

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>5 Hunt Road</u>	JOB #: <u>3563S-04</u>
<u>Jamestown, New York</u>	DATE : <u>3/6/13</u>
SAMPLE COLLECTOR(S): <u>C. Hampton/R. Kampff</u>	
WEATHER CONDITIONS: <u>~35°F, Overcast</u>	PID IN WELL (PPM): <u>N/M</u> LNAPL <u>N/O</u> DNAPL <u>N/M</u>

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>N/M</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>5.19</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>N/A</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H <sub>2</sub> O PER WELL CASING [GAL]: <u>N/A</u> CASING DIA.: <u>1"</u>	
<b>CALCULATIONS:</b>	
<u>CASING DIA. (FT)</u>	<u>WELL CONSTANT(GAL/FT)</u>
<u>3/4" (0.0625)</u>	<u>0.023</u>
<u>1" (0.0833)</u>	<u>0.041</u>
<u>1 1/4" (0.1041)</u>	<u>0.063</u>
<u>2" (0.1667)</u>	<u>0.1632</u>
<u>3" (0.250)</u>	<u>0.380</u>
<u>4" (0.3333)</u>	<u>0.6528</u>
<u>4 1/2" (0.375)</u>	<u>0.826</u>
<u>6" (0.5000)</u>	<u>1.4688</u>
<u>8" (0.666)</u>	<u>2.611</u>
VOL. OF H <sub>2</sub> O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
No Purge	
CALCULATED PURGE VOLUME [GAL]: <u>N/A</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>N/A</u>	
PURGE METHOD: <u>N/A</u> PURGE START: <u>N/A</u> END: <u>N/A</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-07	3-6-13 / 14:50	PDB Sample	Halogenated VOCs

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
5.19	10.1	7.04	1.70	943	0.10	100	PDB – Clear Bailer - Cloudy

N/M – Not Measured      N/O – Not Observed      N/A – Not Applicable

**DAY ENVIRONMENTAL, INC.  
MONITORING WELL SAMPLING LOG**

**WELL MW-200**

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>5 Hunt Road</u>	JOB #: <u>3563S-04</u>
<u>Jamestown, New York</u>	DATE : <u>3/6/13</u>
SAMPLE COLLECTOR(S): <u>C. Hampton/R. Kampff</u>	
WEATHER CONDITIONS: <u>~35°F, Overcast</u> PID IN WELL (PPM): <u>N/M</u> LNAPL <u>N/O</u> DNAPL <u>N/O</u>	

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>15.85</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>0.44</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>15.41</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H <sub>2</sub> O PER WELL CASING [GAL]: <u>0.63</u> CASING DIA.: <u>1"</u>	
<b>CALCULATIONS:</b>	
<b>CASING DIA. (FT)</b>	<b>WELL CONSTANT(GAL/FT)</b>
3/4" (0.0625)	0.023
1" (0.0833)	0.041
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
VOL. OF H <sub>2</sub> O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
CALCULATED PURGE VOLUME [GAL]: <u>1.89</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>1.0 (Dry)</u>	
PURGE METHOD: <u>Bailer</u> PURGE START: <u>13:00</u> END: <u>13:20</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-200	3-6-13 / 13:40	Bailer	Halogenated VOCs

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
N/M	9.0	8.23	2.68	195.0	4.24	196	Clear

N/M – Not Measured      N/O – Not Observed      N/A – Not Applicable

**DAY ENVIRONMENTAL, INC.  
MONITORING WELL SAMPLING LOG**

**WELL MW-201**

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>5 Hunt Road</u>	JOB #: <u>3563S-04</u>
<u>Jamestown, New York</u>	DATE : <u>3/6/13</u>
SAMPLE COLLECTOR(S): <u>C. Hampton/R. Kampff</u>	
WEATHER CONDITIONS: <u>~35°F, Overcast</u>	PID IN WELL (PPM): <u>N/M</u> LNAPL <u>N/O</u> DNAPL <u>N/O</u>

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>13.55</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>2.79</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>10.76</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H <sub>2</sub> O PER WELL CASING [GAL]: <u>0.44</u> CASING DIA.: <u>1"</u>	
<b>CALCULATIONS:</b>	
<b>CASING DIA. (FT)</b>	<b>WELL CONSTANT(GAL/FT)</b>
3/4" (0.0625)	0.023
1" (0.0833)	0.041
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
VOL. OF H <sub>2</sub> O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
CALCULATED PURGE VOLUME [GAL]: <u>1.32</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>1.5</u>	
PURGE METHOD: <u>Bailer</u> PURGE START: <u>13:00</u> END: <u>13:20</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-201	3-6-13 / 14:35	Bailer	Halogenated VOCs

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
2.80	9.1	7.58	2.11	433.0	1.38	-53	Clear

N/M – Not Measured      N/O – Not Observed      N/A – Not Applicable

**DAY ENVIRONMENTAL, INC.  
MONITORING WELL SAMPLING LOG**

**WELL CW-2**

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>5 Hunt Road</u>	JOB #: <u>3563S-04</u>
<u>Jamestown, New York</u>	DATE : <u>3/6/13</u>
SAMPLE COLLECTOR(S): <u>C. Hampton/R. Kampff</u>	
WEATHER CONDITIONS: <u>~35°F, Overcast</u>	PID IN WELL (PPM): <u>N/M</u> LNAPL <u>N/O</u> DNAPL <u>N/O</u>

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>17.38</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>3.40</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>13.98</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H <sub>2</sub> O PER WELL CASING [GAL]: <u>0.57</u> CASING DIA.: <u>1"</u>	
<b>CALCULATIONS:</b>	
<b>CASING DIA. (FT)</b>	<b>WELL CONSTANT(GAL/FT)</b>
3/4" (0.0625)	0.023
1" (0.0833)	0.041
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
VOL. OF H <sub>2</sub> O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
CALCULATED PURGE VOLUME [GAL]: <u>1.72</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>2.0</u>	
PURGE METHOD: <u>Bailer</u> PURGE START: <u>12:40</u> END: <u>13:00</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
CW-2	3-6-13 / 14:25	Bailer	Halogenated VOCs

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
3.45	9.4	7.65	2.01	>800	0.88	299	Cloudy

N/M – Not Measured      N/O – Not Observed      N/A – Not Applicable

**DAY ENVIRONMENTAL, INC.  
MONITORING WELL SAMPLING LOG**

**WELL CW-3**

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>5 Hunt Road</u>	JOB #: <u>3563S-04</u>
<u>Jamestown, New York</u>	DATE : <u>3/6/13</u>
SAMPLE COLLECTOR(S): <u>C. Hampton/R. Kampff</u>	
WEATHER CONDITIONS: <u>~35°F, Overcast</u>	PID IN WELL (PPM): <u>N/M</u> LNAPL <u>N/O</u> DNAPL <u>N/O</u>

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>15.28</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>1.68</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>13.60</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H <sub>2</sub> O PER WELL CASING [GAL]: <u>0.56</u> CASING DIA.: <u>1"</u>	
<b>CALCULATIONS:</b>	
<b>CASING DIA. (FT)</b>	<b>WELL CONSTANT(GAL/FT)</b>
3/4" (0.0625)	0.023
1" (0.0833)	0.041
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
VOL. OF H <sub>2</sub> O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
CALCULATED PURGE VOLUME [GAL]: <u>1.67</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>2.0</u>	
PURGE METHOD: <u>Bailer</u> PURGE START: <u>12:20</u> END: <u>12:40</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
CW-3	3-6-13 / 14:10	Bailer	Halogenated VOCs

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
1.53	9.8	7.77	1.90	80.6	0.70	310	Clear

N/M – Not Measured      N/O – Not Observed      N/A – Not Applicable

**DAY ENVIRONMENTAL, INC.  
MONITORING WELL SAMPLING LOG**

**WELL CW-4**

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>5 Hunt Road</u>	JOB #: <u>3563S-04</u>
<u>Jamestown, New York</u>	DATE : <u>3/6/13</u>
SAMPLE COLLECTOR(S): <u>C. Hampton/R. Kampff</u>	
WEATHER CONDITIONS: <u>~35°F, Overcast</u>	PID IN WELL (PPM): <u>N/M</u> LNAPL <u>N/O</u> DNAPL <u>N/O</u>

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>15.04</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>2.13</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>12.91</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H <sub>2</sub> O PER WELL CASING [GAL]: <u>0.53</u> CASING DIA.: <u>1"</u>	
<b>CALCULATIONS:</b>	
<b>CASING DIA. (FT)</b>	<b>WELL CONSTANT(GAL/FT)</b>
3/4" (0.0625)	0.023
1" (0.0833)	0.041
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
VOL. OF H <sub>2</sub> O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
CALCULATED PURGE VOLUME [GAL]: <u>1.59</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>2.0</u>	
PURGE METHOD: <u>Bailer</u> PURGE START: <u>12:05</u> END: <u>12:20</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
CW-4	3-6-13 / 13:55	Bailer	Halogenated VOCs

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
2.12	5.2	8.10	1.64	>800	0.23	193	Cloudy

N/M – Not Measured      N/O – Not Observed      N/A – Not Applicable



**DAY ENVIRONMENTAL, INC.  
MONITORING WELL SAMPLING LOG**

**WELL MW-04**

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>5 Hunt Road</u>	JOB #: <u>3563S-04</u>
<u>Jamestown, New York</u>	DATE : <u>3/6/13</u>
SAMPLE COLLECTOR(S): <u>C. Hampton/R. Kampff</u>	
WEATHER CONDITIONS: <u>~35°F, Overcast</u> PID IN WELL (PPM): <u>N/M</u> LNAPL <u>N/O</u> DNAPL <u>N/M</u>	

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>N/M</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>1.15</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>N/A</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H <sub>2</sub> O PER WELL CASING [GAL]: <u>N/A</u> CASING DIA.: <u>2"</u>	
<b>CALCULATIONS:</b>	
<b>CASING DIA. (FT)</b>	<b>WELL CONSTANT(GAL/FT)</b>
3/4" (0.0625)	0.023
1" (0.0833)	0.041
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
VOL. OF H <sub>2</sub> O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
No Purge	
CALCULATED PURGE VOLUME [GAL]: <u>N/A</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>N/A</u>	
PURGE METHOD: <u>N/A</u> PURGE START: <u>N/A</u> END: <u>N/A</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-04	3-6-13 / 13:55	Water Quality Only	None

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
1.15	9.0	7.83	1.11	23.9	0.14	133	Clear

N/M – Not Measured      N/O – Not Observed      N/A – Not Applicable

**DAY ENVIRONMENTAL, INC.  
MONITORING WELL SAMPLING LOG**

**WELL MW-06**

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>5 Hunt Road</u>	JOB #: <u>3563S-04</u>
<u>Jamestown, New York</u>	DATE : <u>3/6/13</u>
SAMPLE COLLECTOR(S): <u>C. Hampton/R. Kampff</u>	
WEATHER CONDITIONS: <u>~35°F, Overcast</u> PID IN WELL (PPM): <u>N/M</u> LNAPL <u>N/O</u> DNAPL <u>N/M</u>	

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>N/M</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>1.75</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>N/A</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H <sub>2</sub> O PER WELL CASING [GAL]: <u>N/A</u> CASING DIA.: <u>2"</u>	
<b>CALCULATIONS:</b>	
<b>CASING DIA. (FT)</b>	<b>WELL CONSTANT(GAL/FT)</b>
3/4" (0.0625)	0.023
1" (0.0833)	0.041
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
VOL. OF H <sub>2</sub> O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
No Purge	
CALCULATED PURGE VOLUME [GAL]: <u>N/A</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>N/A</u>	
PURGE METHOD: <u>N/A</u> PURGE START: <u>N/A</u> END: <u>N/A</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-06	3-6-13 / 15:30	Water Quality Only	None

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
1.75	1.4	8.37	0.701	25.5	0	197	Clear

N/M – Not Measured      N/O – Not Observed      N/A – Not Applicable

**DAY ENVIRONMENTAL, INC.  
MONITORING WELL SAMPLING LOG**

**WELL BR-02FR**

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>5 Hunt Road</u>	JOB #: <u>3563S-04</u>
<u>Jamestown, New York</u>	DATE : <u>3/6/13</u>
SAMPLE COLLECTOR(S): <u>C. Hampton/R. Kampff</u>	
WEATHER CONDITIONS: <u>~35°F, Overcast</u>	PID IN WELL (PPM): <u>N/M</u> LNAPL <u>N/O</u> DNAPL <u>N/M</u>

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>N/M</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>1.33</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>N/A</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H <sub>2</sub> O PER WELL CASING [GAL]: <u>N/A</u> CASING DIA.: <u>4"</u>	
<b>CALCULATIONS:</b>	
<u>CASING DIA. (FT)</u>	<u>WELL CONSTANT(GAL/FT)</u>
<u>3/4" (0.0625)</u>	<u>0.023</u>
<u>1" (0.0833)</u>	<u>0.041</u>
<u>1 1/4" (0.1041)</u>	<u>0.063</u>
<u>2" (0.1667)</u>	<u>0.1632</u>
<u>3" (0.250)</u>	<u>0.380</u>
<u>4" (0.3333)</u>	<u>0.6528</u>
<u>4 1/2" (0.375)</u>	<u>0.826</u>
<u>6" (0.5000)</u>	<u>1.4688</u>
<u>8" (0.666)</u>	<u>2.611</u>
VOL. OF H <sub>2</sub> O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
No Purge	
CALCULATED PURGE VOLUME [GAL]: <u>N/A</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>N/A</u>	
PURGE METHOD: <u>N/A</u> PURGE START: <u>N/A</u> END: <u>N/A</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
BR-02FR	3-6-13 / 15:05	Water Quality Only	None

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
1.33	10.7	7.58	0.624	40.9	0.13	74	Clear

N/M – Not Measured      N/O – Not Observed      N/A – Not Applicable

**DAY ENVIRONMENTAL, INC.  
MONITORING WELL SAMPLING LOG**

**WELL BR-02R**

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>5 Hunt Road</u>	JOB #: <u>3563S-04</u>
<u>Jamestown, New York</u>	DATE : <u>3/6/13</u>
SAMPLE COLLECTOR(S): <u>C. Hampton/R. Kampff</u>	
WEATHER CONDITIONS: <u>~35°F, Overcast</u> PID IN WELL (PPM): <u>N/M</u> LNAPL <u>N/O</u> DNAPL <u>N/M</u>	

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>N/M</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>1.52</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>N/A</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H <sub>2</sub> O PER WELL CASING [GAL]: <u>N/A</u> CASING DIA.: <u>4"</u>	
<b>CALCULATIONS:</b>	
<b>CASING DIA. (FT)</b>	<b>WELL CONSTANT(GAL/FT)</b>
3/4" (0.0625)	0.023
1" (0.0833)	0.041
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
VOL. OF H <sub>2</sub> O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
No Purge	
CALCULATED PURGE VOLUME [GAL]: <u>N/A</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>N/A</u>	
PURGE METHOD: <u>N/A</u> PURGE START: <u>N/A</u> END: <u>N/A</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
BR-02R	3-6-13 / 15:15	Water Quality Only	None

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
1.52	1.8	8.17	0.600	103.0	0.00	-164	Clear

N/M – Not Measured      N/O – Not Observed      N/A – Not Applicable

**DAY ENVIRONMENTAL, INC.  
MONITORING WELL SAMPLING LOG**

**WELL MW-BR-03R**

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>5 Hunt Road</u>	JOB #: <u>3563S-04</u>
<u>Jamestown, New York</u>	DATE : <u>3/6/13</u>
SAMPLE COLLECTOR(S): <u>C. Hampton/R. Kampff</u>	
WEATHER CONDITIONS: <u>~35°F, Overcast</u> PID IN WELL (PPM): <u>N/M</u> LNAPL <u>N/O</u> DNAPL <u>N/M</u>	

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>N/M</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>1.58</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>N/A</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H <sub>2</sub> O PER WELL CASING [GAL]: <u>N/A</u> CASING DIA.: <u>1"</u>	
<b>CALCULATIONS:</b>	
<b>CASING DIA. (FT)</b>	<b>WELL CONSTANT(GAL/FT)</b>
3/4" (0.0625)	0.023
1" (0.0833)	0.041
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
VOL. OF H <sub>2</sub> O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
No Purge	
CALCULATED PURGE VOLUME [GAL]: <u>N/A</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>N/A</u>	
PURGE METHOD: <u>N/A</u> PURGE START: <u>N/A</u> END: <u>N/A</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-BR-03R	3-6-13 / 15:25	Water Quality Only	None

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
1.58	1.4	7.86	0.509	34	0	131	Clear

N/M – Not Measured      N/O – Not Observed      N/A – Not Applicable

Attachment B

Spectrum Analytical, Inc. Laboratory Report  
and  
Chain-of-Custody Documentation



Report Date:  
19-Mar-13 17:07



- Final Report
- Re-Issued Report
- Revised Report

**SPECTRUM ANALYTICAL, INC.**

Featuring

**HANIBAL TECHNOLOGY**

**Laboratory Report**

Day Environmental, Inc.  
1563 Lyell Avenue  
Rochester, NY 14606  
Attn: Ray Kampff

Project: 5 Hunt Rd. Jamestown, NY  
Project #: 3563S-04

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SB65609-01	MW-07	Ground Water	06-Mar-13 14:50	07-Mar-13 21:00
SB65609-02	MW-200	Ground Water	06-Mar-13 13:40	07-Mar-13 21:00
SB65609-03	MW-201	Ground Water	06-Mar-13 14:35	07-Mar-13 21:00
SB65609-04	CW-2	Ground Water	06-Mar-13 14:25	07-Mar-13 21:00
SB65609-05	CW-3	Ground Water	06-Mar-13 14:10	07-Mar-13 21:00
SB65609-06	CW-4	Ground Water	06-Mar-13 13:55	07-Mar-13 21:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110  
Connecticut # PH-0777  
Florida # E87600/E87936  
Maine # MA138  
New Hampshire # 2538  
New Jersey # MA011/MA012  
New York # 11393/11840  
Pennsylvania # 68-04426/68-02924  
Rhode Island # 98  
USDA # S-51435



Authorized by:

Nicole Leja  
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 11 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

*Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at [www.spectrum-analytical.com](http://www.spectrum-analytical.com) for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).*

*Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.*

**CASE NARRATIVE:**

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 3.8 degrees Celsius. The condition of these samples was further noted as received on ice. The samples were transported on ice to the laboratory facility and the temperature was recorded at 1.3 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

**See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.**

**SW846 8260C**

**Calibration:**

1302049

---

Analyte quantified by quadratic equation type calibration.

Bromoform  
Carbon tetrachloride  
cis-1,3-Dichloropropene  
Dibromochloromethane  
trans-1,3-Dichloropropene

This affected the following samples:

1305708-BLK1  
1305708-BS1  
1305708-BSD1  
CW-2  
CW-3  
CW-4  
MW-200  
MW-201  
S301998-ICV1  
S302676-CCV1

1303015

---

Analyte quantified by quadratic equation type calibration.

Bromoform  
Dibromochloromethane  
trans-1,3-Dichloropropene

This affected the following samples:

1305917-BLK1  
1305917-BS1  
1305917-BSD1  
MW-07  
S302593-ICV1  
S302759-CCV1

S302593-ICV1

---

Analyte percent recovery is outside individual acceptance criteria (80-120).

Bromomethane (78%)  
Dichlorodifluoromethane (Freon12) (70%)

## **SW846 8260C**

### **Calibration:**

S302593-ICV1

---

This affected the following samples:

1305917-BLK1  
1305917-BS1  
1305917-BSD1  
MW-07  
S302759-CCV1

### **Laboratory Control Samples:**

1305708 BS/BSD

---

Bromomethane percent recoveries (74/67) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

CW-2  
CW-3  
CW-4  
MW-200  
MW-201

Chloroethane percent recoveries (72/67) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

CW-2  
CW-3  
CW-4  
MW-200  
MW-201

Vinyl chloride percent recoveries (70/66) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

CW-2  
CW-3  
CW-4  
MW-200  
MW-201

1305917 BS/BSD

---

Vinyl chloride percent recoveries (71/69) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-07

### **Samples:**

S302676-CCV1

---

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Bromomethane (-26.4%)  
Chloroethane (-28.2%)  
Methylene chloride (-21.1%)  
Vinyl chloride (-29.9%)

**SW846 8260C**

**Samples:**

S302676-CCV1

---

This affected the following samples:

1305708-BLK1  
1305708-BS1  
1305708-BSD1  
CW-2  
CW-3  
CW-4  
MW-200  
MW-201

S302759-CCV1

---

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Vinyl chloride (-20.1%)

This affected the following samples:

1305917-BLK1  
1305917-BS1  
1305917-BSD1  
MW-07

SB65609-01                      *MW-07*

---

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB65609-03                      *MW-201*

---

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB65609-04                      *CW-2*

---

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB65609-05                      *CW-3*

---

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB65609-06                      *CW-4*

---

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Identification

MW-07  
SB65609-01

Client Project #  
3563S-04

Matrix  
Ground Water

Collection Date/Time  
06-Mar-13 14:50

Received  
07-Mar-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
<b>Volatile Organic Compounds</b>													
Volatile Organic Halocarbons													
Prepared by method SW846 5030 Water MS													
75-27-4	Bromodichloromethane	< 24.0	U, D	µg/l	25.0	24.0	50	SW846 8260C	15-Mar-13	15-Mar-13	ek	1305917	X
75-25-2	Bromoform	< 30.2	U, D	µg/l	50.0	30.2	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 57.0	U, D	µg/l	100	57.0	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 27.4	U, D	µg/l	50.0	27.4	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 32.7	U, D	µg/l	50.0	32.7	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 51.6	U, D	µg/l	100	51.6	50	"	"	"	"	"	X
67-66-3	Chloroform	< 34.4	U, D	µg/l	50.0	34.4	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 73.6	U, D	µg/l	100	73.6	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 14.4	U, D	µg/l	25.0	14.4	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 33.4	U, D	µg/l	50.0	33.4	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 35.6	U, D	µg/l	50.0	35.6	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 31.2	U, D	µg/l	50.0	31.2	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 22.4	U, D	µg/l	100	22.4	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 34.0	U, D	µg/l	50.0	34.0	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 39.0	U, D	µg/l	50.0	39.0	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 24.4	U, D	µg/l	50.0	24.4	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 35.8	U, D	µg/l	50.0	35.8	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 34.0	U, D	µg/l	50.0	34.0	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 35.6	U, D	µg/l	50.0	35.6	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 12.6	U, D	µg/l	25.0	12.6	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 25.0	U, D	µg/l	25.0	25.0	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 34.5	U, D	µg/l	100	34.5	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 17.4	U, D	µg/l	25.0	17.4	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	2,140	D	µg/l	50.0	37.2	50	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 29.1	U, D	µg/l	50.0	29.1	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 32.1	U, D	µg/l	50.0	32.1	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 37.8	U, D	µg/l	50.0	37.8	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 31.4	U, D	µg/l	50.0	31.4	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 40.4	U, D	µg/l	50.0	40.4	50	"	"	"	"	"	X

*Surrogate recoveries:*

460-00-4	4-Bromofluorobenzene	103			70-130 %			"	"	"	"	"	
2037-26-5	Toluene-d8	98			70-130 %			"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	101			70-130 %			"	"	"	"	"	
1868-53-7	Dibromofluoromethane	102			70-130 %			"	"	"	"	"	

*This laboratory report is not valid without an authorized signature on the cover page.*

Sample Identification

MW-200  
SB65609-02

Client Project #  
3563S-04

Matrix  
Ground Water

Collection Date/Time  
06-Mar-13 13:40

Received  
07-Mar-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
<b>Volatile Organic Compounds</b>													
Volatile Organic Halocarbons													
Prepared by method SW846 5030 Water MS													
75-27-4	Bromodichloromethane	< 0.5	U	µg/l	0.5	0.5	1	SW846 8260C	13-Mar-13	13-Mar-13	GMA	1305708	X
75-25-2	Bromoform	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 1.1	U	µg/l	2.0	1.1	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 1.0	U	µg/l	2.0	1.0	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 1.5	U	µg/l	2.0	1.5	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.8	U	µg/l	1.0	0.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	7.2		µg/l	1.0	0.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.5	U	µg/l	0.5	0.5	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.7	U	µg/l	2.0	0.7	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	1.8		µg/l	1.0	0.7	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
79-01-6	Trichloroethene	1.5		µg/l	1.0	0.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.8	U	µg/l	1.0	0.8	1	"	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	97			70-130 %			"	"	"	"	"	
2037-26-5	Toluene-d8	102			70-130 %			"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	105			70-130 %			"	"	"	"	"	
1868-53-7	Dibromofluoromethane	103			70-130 %			"	"	"	"	"	

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Sample Identification

MW-201  
SB65609-03

Client Project #  
3563S-04

Matrix  
Ground Water

Collection Date/Time  
06-Mar-13 14:35

Received  
07-Mar-13

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
<b>Volatile Organic Compounds</b>													
Volatile Organic Halocarbons													
Prepared by method SW846 5030 Water MS													
75-27-4	Bromodichloromethane	< 120	U, D	µg/l	125	120	250	SW846 8260C	13-Mar-13	13-Mar-13	GMA	1305708	X
75-25-2	Bromoform	< 151	U, D	µg/l	250	151	250	"	"	"	"	"	X
74-83-9	Bromomethane	< 285	U, D	µg/l	500	285	250	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 137	U, D	µg/l	250	137	250	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 164	U, D	µg/l	250	164	250	"	"	"	"	"	X
75-00-3	Chloroethane	< 258	U, D	µg/l	500	258	250	"	"	"	"	"	X
67-66-3	Chloroform	< 172	U, D	µg/l	250	172	250	"	"	"	"	"	X
74-87-3	Chloromethane	< 368	U, D	µg/l	500	368	250	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 72.2	U, D	µg/l	125	72.2	250	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 167	U, D	µg/l	250	167	250	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 178	U, D	µg/l	250	178	250	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 156	U, D	µg/l	250	156	250	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 112	U, D	µg/l	500	112	250	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 170	U, D	µg/l	250	170	250	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 195	U, D	µg/l	250	195	250	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 122	U, D	µg/l	250	122	250	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	11,200	D	µg/l	250	179	250	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 170	U, D	µg/l	250	170	250	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 178	U, D	µg/l	250	178	250	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 63.0	U, D	µg/l	125	63.0	250	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 125	U, D	µg/l	125	125	250	"	"	"	"	"	X
75-09-2	Methylene chloride	< 172	U, D	µg/l	500	172	250	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 87.2	U, D	µg/l	125	87.2	250	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 186	U, D	µg/l	250	186	250	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 146	U, D	µg/l	250	146	250	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 160	U, D	µg/l	250	160	250	"	"	"	"	"	X
79-01-6	Trichloroethene	< 189	U, D	µg/l	250	189	250	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 157	U, D	µg/l	250	157	250	"	"	"	"	"	X
75-01-4	Vinyl chloride	588	D	µg/l	250	202	250	"	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	96			70-130 %			"	"	"	"	"	
2037-26-5	Toluene-d8	102			70-130 %			"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	103			70-130 %			"	"	"	"	"	
1868-53-7	Dibromofluoromethane	102			70-130 %			"	"	"	"	"	

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Sample Identification

CW-2 Client Project # 3563S-04 Matrix Ground Water Collection Date/Time 06-Mar-13 14:25 Received 07-Mar-13  
 SB65609-04

CAS No. Analyte(s) Result Flag Units \*RDL MDL Dilution Method Ref. Prepared Analyzed Analyst Batch Cert.

**Volatile Organic Compounds**

Volatile Organic Halocarbons

GS1

Prepared by method SW846 5030 Water MS

75-27-4	Bromodichloromethane	< 2.4	U, D	µg/l	2.5	2.4	5	SW846 8260C	13-Mar-13	13-Mar-13	GMA	1305708	X
75-25-2	Bromoform	< 3.0	U, D	µg/l	5.0	3.0	5	"	"	"	"	"	X
74-83-9	Bromomethane	< 5.7	U, D	µg/l	10.0	5.7	5	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 2.7	U, D	µg/l	5.0	2.7	5	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 3.3	U, D	µg/l	5.0	3.3	5	"	"	"	"	"	X
75-00-3	Chloroethane	< 5.2	U, D	µg/l	10.0	5.2	5	"	"	"	"	"	X
67-66-3	Chloroform	< 3.4	U, D	µg/l	5.0	3.4	5	"	"	"	"	"	X
74-87-3	Chloromethane	< 7.4	U, D	µg/l	10.0	7.4	5	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 1.4	U, D	µg/l	2.5	1.4	5	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 3.3	U, D	µg/l	5.0	3.3	5	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 3.6	U, D	µg/l	5.0	3.6	5	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 3.1	U, D	µg/l	5.0	3.1	5	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.2	U, D	µg/l	10.0	2.2	5	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 3.4	U, D	µg/l	5.0	3.4	5	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 3.9	U, D	µg/l	5.0	3.9	5	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 2.4	U, D	µg/l	5.0	2.4	5	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	24.4	D	µg/l	5.0	3.6	5	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 3.4	U, D	µg/l	5.0	3.4	5	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 3.6	U, D	µg/l	5.0	3.6	5	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 1.3	U, D	µg/l	2.5	1.3	5	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 2.5	U, D	µg/l	2.5	2.5	5	"	"	"	"	"	X
75-09-2	Methylene chloride	< 3.4	U, D	µg/l	10.0	3.4	5	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 1.7	U, D	µg/l	2.5	1.7	5	"	"	"	"	"	X
127-18-4	Tetrachloroethene	308	D	µg/l	5.0	3.7	5	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 2.9	U, D	µg/l	5.0	2.9	5	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 3.2	U, D	µg/l	5.0	3.2	5	"	"	"	"	"	X
79-01-6	Trichloroethene	40.0	D	µg/l	5.0	3.8	5	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 3.1	U, D	µg/l	5.0	3.1	5	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.0	U, D	µg/l	5.0	4.0	5	"	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	93			70-130 %			"	"	"	"	"	
2037-26-5	Toluene-d8	101			70-130 %			"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	103			70-130 %			"	"	"	"	"	
1868-53-7	Dibromofluoromethane	102			70-130 %			"	"	"	"	"	

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Sample Identification

CW-3  
SB65609-05

Client Project #  
3563S-04

Matrix  
Ground Water

Collection Date/Time  
06-Mar-13 14:10

Received  
07-Mar-13

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
<b>Volatile Organic Compounds</b>													
Volatile Organic Halocarbons													
Prepared by method SW846 5030 Water MS													
75-27-4	Bromodichloromethane	< 9.6	U, D	µg/l	10.0	9.6	20	SW846 8260C	13-Mar-13	14-Mar-13	GMA	1305708	X
75-25-2	Bromoform	< 12.1	U, D	µg/l	20.0	12.1	20	"	"	"	"	"	X
74-83-9	Bromomethane	< 22.8	U, D	µg/l	40.0	22.8	20	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 11.0	U, D	µg/l	20.0	11.0	20	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 13.1	U, D	µg/l	20.0	13.1	20	"	"	"	"	"	X
75-00-3	Chloroethane	< 20.7	U, D	µg/l	40.0	20.7	20	"	"	"	"	"	X
67-66-3	Chloroform	< 13.8	U, D	µg/l	20.0	13.8	20	"	"	"	"	"	X
74-87-3	Chloromethane	< 29.5	U, D	µg/l	40.0	29.5	20	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 5.8	U, D	µg/l	10.0	5.8	20	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 13.4	U, D	µg/l	20.0	13.4	20	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 14.2	U, D	µg/l	20.0	14.2	20	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 12.5	U, D	µg/l	20.0	12.5	20	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 8.9	U, D	µg/l	40.0	8.9	20	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 13.6	U, D	µg/l	20.0	13.6	20	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 15.6	U, D	µg/l	20.0	15.6	20	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 9.8	U, D	µg/l	20.0	9.8	20	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	<b>25.4</b>	D	µg/l	20.0	14.3	20	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 13.6	U, D	µg/l	20.0	13.6	20	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 14.2	U, D	µg/l	20.0	14.2	20	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 5.0	U, D	µg/l	10.0	5.0	20	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 10.0	U, D	µg/l	10.0	10.0	20	"	"	"	"	"	X
75-09-2	Methylene chloride	< 13.8	U, D	µg/l	40.0	13.8	20	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 7.0	U, D	µg/l	10.0	7.0	20	"	"	"	"	"	X
127-18-4	Tetrachloroethene	<b>910</b>	D	µg/l	20.0	14.9	20	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 11.6	U, D	µg/l	20.0	11.6	20	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 12.8	U, D	µg/l	20.0	12.8	20	"	"	"	"	"	X
79-01-6	Trichloroethene	< 15.1	U, D	µg/l	20.0	15.1	20	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 12.6	U, D	µg/l	20.0	12.6	20	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 16.1	U, D	µg/l	20.0	16.1	20	"	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	97			70-130 %								
2037-26-5	Toluene-d8	101			70-130 %								
17060-07-0	1,2-Dichloroethane-d4	103			70-130 %								
1868-53-7	Dibromofluoromethane	101			70-130 %								

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Sample Identification

CW-4 Client Project # 3563S-04 Matrix Ground Water Collection Date/Time 06-Mar-13 13:55 Received 07-Mar-13  
 SB65609-06

CAS No. Analyte(s) Result Flag Units \*RDL MDL Dilution Method Ref. Prepared Analyzed Analyst Batch Cert.

**Volatile Organic Compounds**

Volatile Organic Halocarbons

GS1

Prepared by method SW846 5030 Water MS

75-27-4	Bromodichloromethane	< 240	U, D	µg/l	250	240	500	SW846 8260C	13-Mar-13	14-Mar-13	GMA	1305708	X
75-25-2	Bromoform	< 302	U, D	µg/l	500	302	500	"	"	"	"	"	X
74-83-9	Bromomethane	< 570	U, D	µg/l	1000	570	500	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 274	U, D	µg/l	500	274	500	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 327	U, D	µg/l	500	327	500	"	"	"	"	"	X
75-00-3	Chloroethane	< 516	U, D	µg/l	1000	516	500	"	"	"	"	"	X
67-66-3	Chloroform	< 344	U, D	µg/l	500	344	500	"	"	"	"	"	X
74-87-3	Chloromethane	< 736	U, D	µg/l	1000	736	500	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 144	U, D	µg/l	250	144	500	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 334	U, D	µg/l	500	334	500	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 356	U, D	µg/l	500	356	500	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 312	U, D	µg/l	500	312	500	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 224	U, D	µg/l	1000	224	500	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 340	U, D	µg/l	500	340	500	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 390	U, D	µg/l	500	390	500	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 244	U, D	µg/l	500	244	500	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 358	U, D	µg/l	500	358	500	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 340	U, D	µg/l	500	340	500	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 356	U, D	µg/l	500	356	500	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 126	U, D	µg/l	250	126	500	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 250	U, D	µg/l	250	250	500	"	"	"	"	"	X
75-09-2	Methylene chloride	< 345	U, D	µg/l	1000	345	500	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 174	U, D	µg/l	250	174	500	"	"	"	"	"	X
127-18-4	Tetrachloroethene	31,300	D	µg/l	500	372	500	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 291	U, D	µg/l	500	291	500	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 321	U, D	µg/l	500	321	500	"	"	"	"	"	X
79-01-6	Trichloroethene	< 378	U, D	µg/l	500	378	500	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 314	U, D	µg/l	500	314	500	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 404	U, D	µg/l	500	404	500	"	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	96			70-130 %			"	"	"	"	"	
2037-26-5	Toluene-d8	102			70-130 %			"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	103			70-130 %			"	"	"	"	"	
1868-53-7	Dibromofluoromethane	101			70-130 %			"	"	"	"	"	

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## Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:  
Kimberly Wisk

# CHAIN OF CUSTODY RECORD

**Special Handling:**

- Standard TAT - 7 to 10 business days
  - Rush TAT - Date Needed: \_\_\_\_\_
- All TATs subject to laboratory approval  
Min. 24-hr notification needed for rushes  
Samples disposed after 60 days unless otherwise instructed

*SR057609 MM*

Report To: Day Environmental, Inc.

1563 Lyell Avenue  
Rochester, NY

Telephone #: 585-454-0210  
Project Mgr: Ray Kampf

Invoice To: Anderson Cleaners, Inc.

5 Hunt Road  
Jamestown, NY 14701

Attn: Mike Lyons  
P.O. No.: \_\_\_\_\_  
RON \_\_\_\_\_

Project No: **35635-04**

Site Name: 5 Hunt Road

Location: Jamestown State NY  
Sampler(s): C.Hampton/R.Kampf

1=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 2=HCl 3=H<sub>2</sub>SO<sub>4</sub> 4=HNO<sub>3</sub> 5=NaOH 6=Ascorbic Acid 7=CH<sub>3</sub>OH  
8=NaHSO<sub>4</sub> 9=Deionized Water 10=H<sub>3</sub>PO<sub>4</sub> 11= \_\_\_\_\_ 12= \_\_\_\_\_

DW=Drinking Water GW=Groundwater WW= Waste Water  
O= Oil SW= surface Water SO=Soil SL= Sludge A= Air  
X1= \_\_\_\_\_ X2= \_\_\_\_\_ X3= \_\_\_\_\_

G= Grab C=Composite

Lab ID	Sample ID	Date	Time	Type	Matrix	Containers			Halogenated VOCs	Analysis	QA/QC Reporting Notes: *additional charges may apply
						# of VOA Vials	# of Amber Glass	# of Clear Glass			
<i>65001-01</i>	MM-07	3/6/2013	2:50 PM	G	GW	2					
	MM-200	3/6/2013	1:40 PM	G	GW	2					
	MM-201	3/6/2013	2:35 PM	G	GW	2					
	CW-2	3/6/2013	2:25 PM	G	GW	2					
	CW-3	3/6/2013	2:10 PM	G	GW	2					
	CW-4	3/6/2013	1:55 PM	G	GW	2					

Relinquished by:

Charles Hampton

Received by:

3/7/2013

Time

1:00

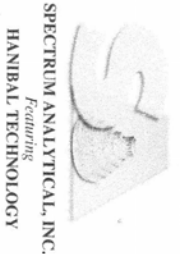
Temp °C

38

- EOD format: \_\_\_\_\_
- E-mail to: rkampf@daymail.net

NYSDEC EQUIS

- Condition upon receipt:  Ambient  Lead  Refrigerated  DI VOA Frozen  Soil Jar Frozen
- Custody Seals:  Present  Intact  Broken



# CHAIN OF CUSTODY RECORD

Page 1 of 1

**Special Handling:**  
 Standard TAT - 7 to 10 business days  
 Rush TAT - Date Needed: \_\_\_\_\_  
 All TAT's subject to laboratory approval  
 Min. 24-hr notification needed for rushes  
 Samples disposed after 60 days unless otherwise instructed

*3365769 MW*

Report To: Day Environmental, Inc.  
 1563 Lyell Avenue  
 Rochester, NY

Invoice To: Anderson Cleaners, Inc.  
 5 Hunt Road  
 Jamestown, NY 14701

Project No: 36635-04

Site Name: 5 Hunt Road

Location: Jamestown State NY

Sampler(s): C.Hampton/R.Kampff

Telephone #: 585-454-0210  
 Project Mgr: Ray Kampff

P.O.No.: \_\_\_\_\_  
 RCN \_\_\_\_\_

1=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 2=HCl 3=H<sub>2</sub>SO<sub>4</sub> 4=HNO<sub>3</sub> 5=NaOH 6=Ascorbic Acid 7=CH<sub>3</sub>OH  
 8=NaHSO<sub>4</sub> 9=Deionized Water 10=H<sub>3</sub>PO<sub>4</sub> 11= \_\_\_\_\_ 12= \_\_\_\_\_

DW=Drinking Water GW=Groundwater WW=Waste Water  
 O=Oil SW=surface water SO=Soil SL=Sludge A=Air  
 X1= \_\_\_\_\_ X2= \_\_\_\_\_ X3= \_\_\_\_\_

G=Grab  
 C=Compsite

Lab ID	Sample ID	Date	Time	Type	Matrix	Containers				Halogenated VOCs	Analysis						
						# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic								
15637-01	MW-07	3/6/2013	2:50 PM	G	GW	2				X							
	MW-200	3/6/2013	1:40 PM	G	GW	2				X							
	MW-201	3/6/2013	2:35 PM	G	GW	2				X							
	CW-2	3/6/2013	2:25 PM	G	GW	2				X							
	CW-3	3/6/2013	2:10 PM	G	GW	2				X							
	CW-4	3/6/2013	1:55 PM	G	GW	2				X							

Relinquished by: Charles Hampton

Received by: [Signature]

Date: 3/7/2013

Time: 1000

Temp °C: 3.8

EDD format: \_\_\_\_\_  
 E-mail to: kampff@daymail.net

NYSDEC EQUIS

Condition upon receipt:  Ambient  Iced  Refrigerated  DI VOA Frozen  Soil Jar Frozen

Custody Seals:  Present  Intact  Broken