CONRAD GEOSCIENCE CORP.
Environmental Scientists
www.conradgeo.com
One Civic Center Plaza, Suite 501, Poughkeepsie, New York 12601 • 845/454-2544 • fax: 845/454-2655

MW

November 12, 2009

NOV 16 2009

Wayne Mizerak
New York State Dept. of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, New York 12233-7014

Re: **3rd Quarter 2009 Groundwater Monitoring Report;**
Apple Valley Shopping Center Superfund Site, LaGrange, New York;
Index No. II-CERCLA-10224;
Conrad Geoscience File #AL030070

Dear Mr. Mizerak:

In August 2009, Conrad Geoscience Corp. continued the groundwater monitoring program at the Apple Valley Shopping Center (Figure 1) in accordance with the NYSDEC-approved Interim Remedial Measure (IRM) work plan dated July 2, 2004 and subsequently modified, as summarized below.

According to the original IRM Work Plan, the drinking water wells for seven residences of the Woodbridge Estates Subdivision were to be monitored on a semi-annual basis, assuming access is granted. All but Lots 6 and 11 were subsequently removed from the monitoring program after COCs decreased to non-detectable or trace concentrations in untreated water samples.

In February 2009, NYSDEC approved our request to discontinue periodic sampling of Monitoring Wells MW-1, MW-3, MW-5, and MW-6 ("perimeter wells"). The basis for this decision is as follows. First, sample results indicated that COC concentrations in perimeter wells MW-3 and MW-6 had decreased to non-detectable or trace levels. Second, COC concentrations in monitoring wells within the groundwater extraction and treatment capture zone (MW-2 and MW-7) had stabilized. Third, PCE had never been released near wells MW-1, MW-3. MW-5, or MW-6; these well locations were selected to delineate the extent of contamination. Perimeter monitoring wells MW-1, MW-3, MW-5, and MW-6 will not be decommissioned and may be sampled at a later date if it is deemed necessary (e.g., site closure).

1.0 QUARTERLY GROUNDWATER MONITORING

On August 25, 2009, Conrad Geoscience collected groundwater samples from Monitoring Wells MW-2 and MW-7; and Recovery Wells RW-1, RW-2, RW-3 and AV-2 (Figure 2). A groundwater remediation system effluent sample was also collected (AVS-EFF). Depth-to-water

measurements were recorded from the top of each well casing, and a groundwater contour map was prepared based on these measurements (Figure 3). Residential supply well sampling was conducted at the following residences: Lot 6 and Lot 11 (Figure 4).

1.1 Monitoring Well and Recovery Well Sampling

Prior to sampling, Conrad Geoscience purged each monitoring well following USEPA protocol for low-flow (minimal draw-down) groundwater sampling until physical parameters stabilized. Water quality parameters were monitored using an In-Situ® Troll 9500 water quality meter. Water samples were collected from monitoring wells using a bladder pump and dedicated polyethylene tubing and dispensed into laboratory provided containers. All monitoring wells have been sampled utilizing low-flow techniques throughout the duration of this project. Low-flow collection techniques generate samples that are reproducible and representative of surrounding formation water (*Puls and Barcelona*, 1996[1]).

Monitoring Well MW-2 is 160 feet deep and the pump was installed at a depth of 130 feet. Monitoring Well MW-7 is 86.5 feet deep and the pump was installed at a depth of 76 feet. Approximately 1.5 gallons of water were purged from both monitoring wells prior to sampling.

Recovery well water samples were collected via in-line sample ports prior to treatment by the air stripper. Air stripper effluent samples were collected from the treated discharge pipe.

Samples were labeled, packed on ice, and shipped via overnight delivery for analysis of volatile organic compounds (VOCs) via USEPA Method 524.2.

1.2 Residential Supply Well Sampling

Prior to sampling, Conrad Geoscience contacted the two remaining residents whose supply wells are to be monitored: Lot 6 and Lot 11 (Figure 4). Despite the availability of public drinking water, a granular activated carbon (GAC) filtration system is installed and in operation at Lot 11. Both residences have water softeners.

Supply well samples were collected via in-line sample ports or spigots prior to GAC filtration and/or water softening. If a GAC filtration system was present, water samples were collected post-treatment and mid-treatment to monitor the effectiveness of the GAC system. Samples were collected at each residence as follows:

Lot 6: Water sample collected from spigot at pressure tank, before water softener.

Lot 11: Untreated water sample collected from spigot at pressure tank, before water softener and GAC filtration system. Mid-treatment sample collected from sample port between two GAC filtration canisters. Post-treatment sample collected from the bathroom tap.

Samples were labeled, packed on ice, and shipped via overnight delivery for analysis of VOCs using USEPA Method 524.2.

2.0 RESULTS

2.1 Monitoring Wells and Recovery Wells

Sample results for the contaminants of concern (COC), tetrachloroethene; trichloroethene; cis-1,2-dichloroethene; and vinyl chloride, are summarized in Table 1. Analytical reports are attached. Total COC concentrations for each well are as follows: MW-2 (3,842 µg/l); MW-7 (39.1 µg/l); RW-1 (149.2 µg/l); RW-2 (2,610 µg/l); RW-3 (551.8 µg/l); and AV-2 (60.1 µg/l). The total COC concentration for AVS-EFF was 2.3 µg/l. Based on the mass loading and measured effluent concentrations of the COC, the air stripper was performing at a 99.9% removal efficiency for COC.

2.2 Residential Supply Wells

Sample results for COCs are summarized in Table 2. Analytical reports are attached. Total COC concentrations for untreated samples at each residence are as follows: Lot 6 (5.6 µg/l) and Lot 11 (1.4 µg/l). Neither sample exceeded the groundwater standard for COCs.

The total COC concentration for the post-treatment sample at Lot 11 was non-detectable (ND). The total COC concentration for the mid-treatment sample at Lot 11 was ND.

3.0 ADDITIONAL SAMPLING

At the request of NYSDEC, a groundwater remediation system effluent sample (AVS-EFF) was collected just prior to the periodic cleaning of the air stripper system. The results are summarized in Table 3 and analytical reports are attached. PCE was detected at 2.6 µg/L, which is below the groundwater standard of 5 µg/L and within the range of effluent sample results collected since the stripper system was installed in late 2006.

A 1,000-gallon fractionation tank remained on-site from well installation activities in 2006. The tank contained approximately 700 gallons of water. A water sample was collected from the tank utilizing a bailer and analyzed for the STARS and TCL list of VOCs (Table 4). No VOCs were detected. The tank has since been emptied and removed from the site.

4.0 CONCLUSIONS

The August 2009 groundwater data indicates the total COC concentrations in Monitoring Wells MW-2 and MW-7 and Recovery Wells RW-1, RW-2, RW-3, and AV-2 are comparable to historic values.

As indicated by the groundwater contour map (Figure 3), hydraulic gradients formed by the groundwater extraction and treatment system demonstrate that groundwater movement is toward the recovery wells and away from adjacent properties and perimeter wells. We conclude, therefore, that the extraction and treatment system continues to exert effective plume control. Concentrations of COC in perimeter monitoring wells have been non-detectable or at trace levels since May 2006. Extraction wells continue to remove significant amounts of COC from groundwater and the extraction and treatment system continues to remove VOCs at a removal efficiency of 99%.

The next round of quarterly groundwater monitoring is scheduled for November 2009. The next round of residential supply well monitoring is scheduled for February 2010.

If you have any questions, please do not hesitate to call.

Sincerely,

CONRAD GEOSCIENCE CORP.

John A. Conrad
Senior Hydrogeologist

JAC/tla

attachments

cc: D. Engel
J. Klein
M. Millspaugh
F. Navratil
D. MacDougal
J. Harmon

[1] Puls, R.W. and M.J. Barcelona, 1996. "Low-Flow (Minimal Drawdown) Ground-water Sampling Procedures." U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996.

FIGURES

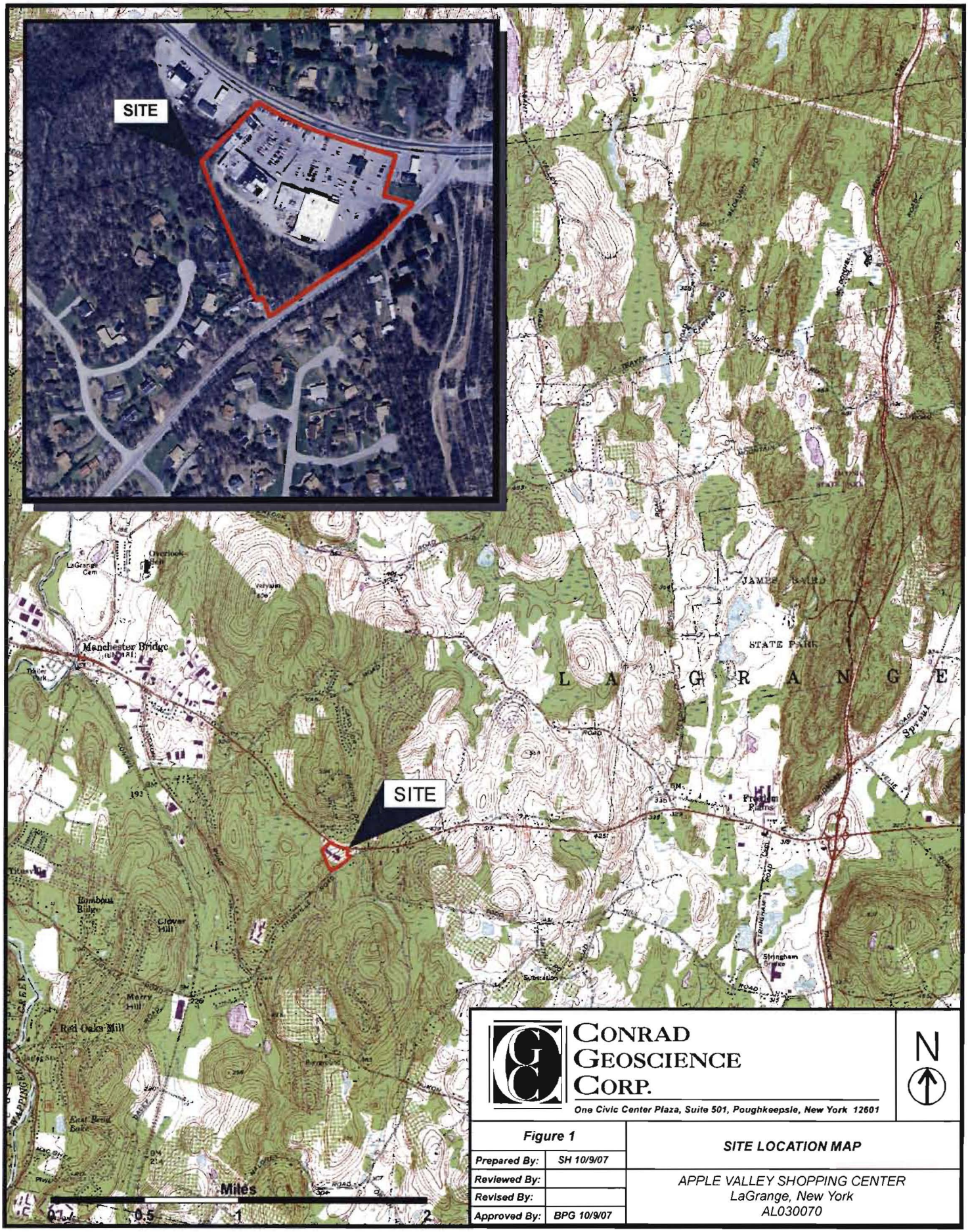

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Figure 1		SITE LOCATION MAP
Prepared By:	SH 10/9/07	
Reviewed By:		APPLE VALLEY SHOPPING CENTER LaGrange, New York AL030070
Revised By:		
Approved By:	BPG 10/9/07	

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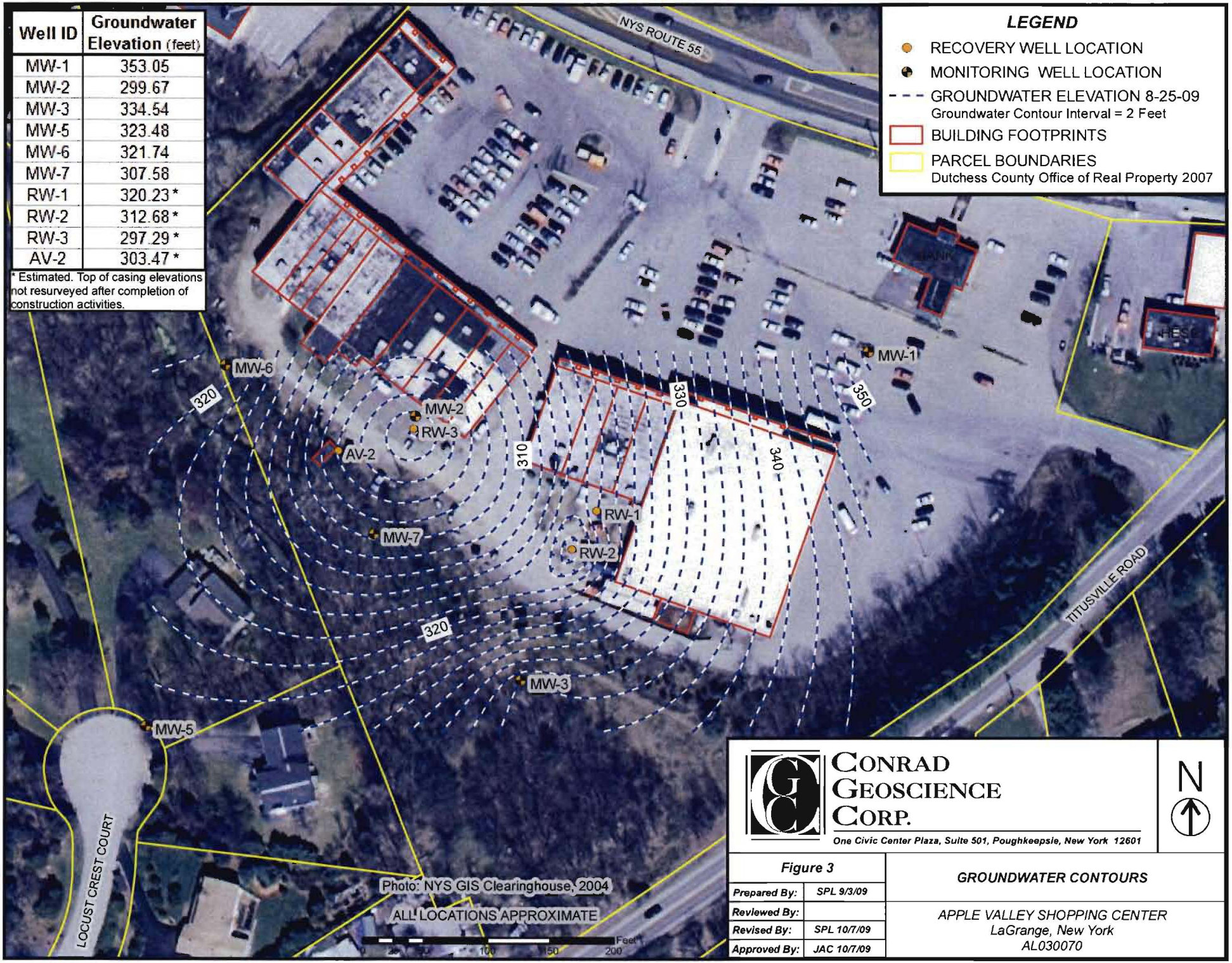
Figure 2		SELECTED SITE FEATURES MAP
Prepared By:	SH 10/9/07	
Reviewed By:		APPLE VALLEY SHOPPING CENTER LaGrange, New York AL030070
Revised By:	SPL 5/11/09	
Approved By:	SPL 5/1//09	

Well ID	Groundwater Elevation (feet)
MW-1	353.05
MW-2	299.67
MW-3	334.54
MW-5	323.48
MW-6	321.74
MW-7	307.58
RW-1	320.23 *
RW-2	312.68 *
RW-3	297.29 *
AV-2	303.47 *

* Estimated. Top of casing elevations not resurveyed after completion of construction activities.



LEGEND

- RECOVERY WELL LOCATION
- MONITORING WELL LOCATION
- GROUNDWATER ELEVATION 8-25-09
  Groundwater Contour Interval = 2 Feet
- BUILDING FOOTPRINTS
- PARCEL BOUNDARIES
  Dutchess County Office of Real Property 2007

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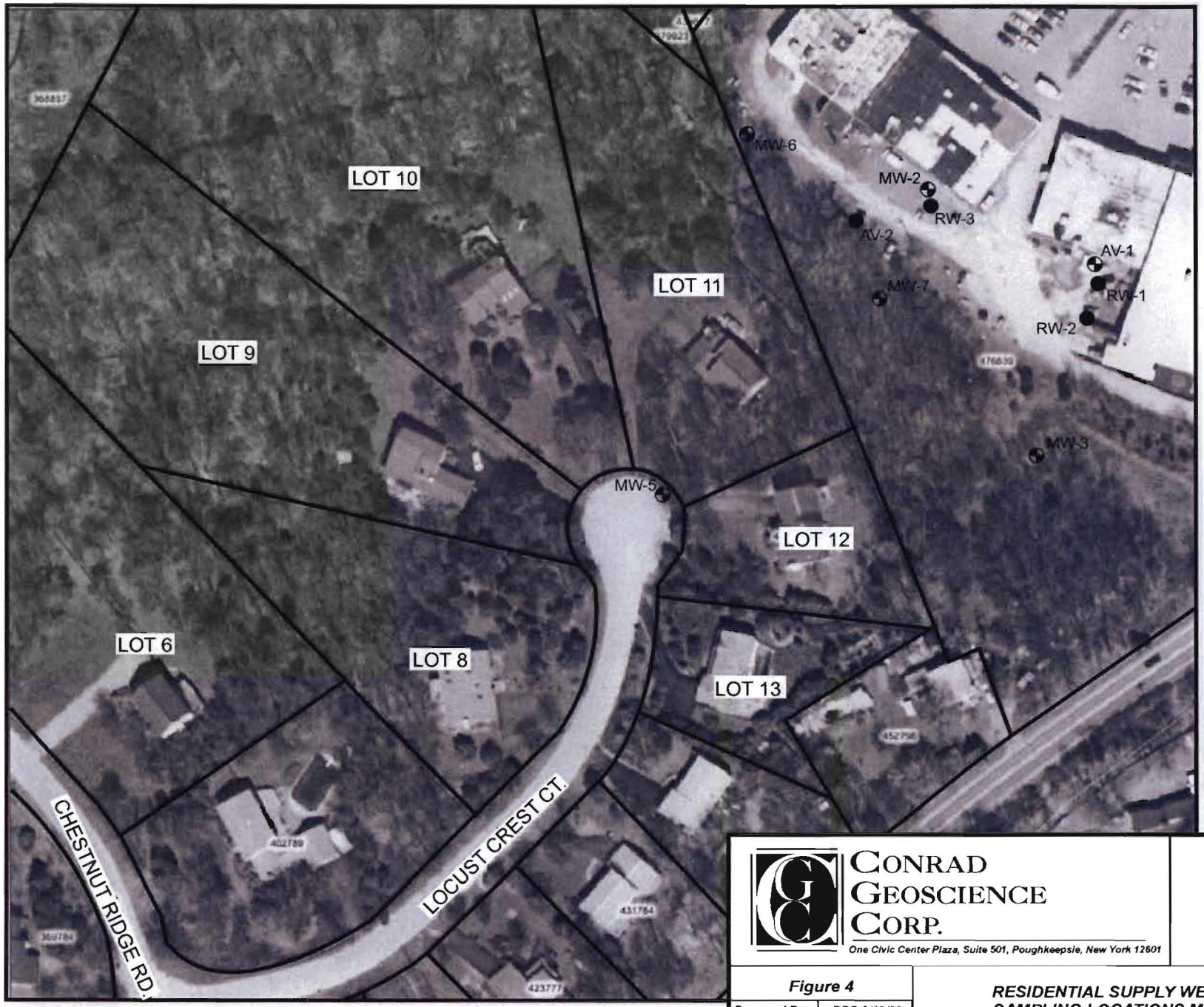
Figure 3		GROUNDWATER CONTOURS
Prepared By:	SPL 9/3/09	
Reviewed By:		APPLE VALLEY SHOPPING CENTER LaGrange, New York AL030070
Revised By:	SPL 10/7/09	
Approved By:	JAC 10/7/09	



0 120
FEET

ALL LOCATIONS ARE APPROXIMATE

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Figure 4		RESIDENTIAL SUPPLY WELL SAMPLING LOCATIONS MAP
Prepared By:	BPG 9/13/06	
Reviewed By:		APPLE VALLEY SHOPPING CENTER Lagrange, New York AL030070
Revised By:	BPG 10/1/07	
Approved By:	BPG 10/1/07	

TABLES

Table 1. **Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples;**
USEPA Method 524.2; collected **January 2006 through August 2009;**
Apple Valley Shopping Center, Lagrange, New York;
Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
RW-1	2-9-06	**2,850**	**119**	**53.6**	ND < 10	3,022.6
	3-9-06	**412**	**19.9**	**13.6**	ND < 1.0	445.5
	5-16-06	**394**	**21.0**	**19.0**	ND < 1.0	434
	8-22-06	**583**	**6.4**	**8.6 M**	ND < 2.5	598
	11-28-06	**265**	**7.7**	**10**	ND < 1.0	282.7
	12-11-06	**217**	**6.9**	**9.4**	ND < 2.5	233.3
	3-1-07	**591**	**7.4**	**5.4**	ND < 2.5	603.8
	5-29-07	**298**	**8.4**	ND < 1.0	ND < 1.0	306.4
	8-28-07	**763**	**9.1**	**5.2**	ND < 5.0	777.3
	11-28-07	**606**	**7.8**	**7.4**	ND < 2.5	621.2
	2-28-08	**1,400**	**14.0**	**18.4**	ND < 10	1,432.4
	5-27-08	**1,170**	**45.0**	**102**	ND<10	1,317
	9-9-08	**925**	**20.9**	**18.5**	ND<5.0	964.4
	11-25-08	**3,090**	ND<50.0	ND<50.0	ND<50.0	3,090
	3-5-09	**500**	**15.2**	ND<10	ND<10 S	515.2
	5-27-09	**412**	**17.8**	ND<10	ND<10	429.8
	8-25-09	**134**	**10**	**5.2**	ND<5.0	149.2

Notes
1 - Standards are for groundwater according to 6NYCRR Part 700-705, Class GA Groundwater Standards.
All concentrations are in µg/l;
ND = Not detected above the method detection limit listed,
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards,
S = Spike recovery outside accepted recovery limits,
M = Matrix spike recoveries outside QC limits Matrix bias indicated,
COC = Contaminants of concern

Table 1 cont'd. **Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples;**
USEPA Method 524.2; collected **January 2006 through August 2009;**
Apple Valley Shopping Center, Lagrange, New York;
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Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
RW-2	2-9-06	**7,860**	**132**	**148**	ND < 25	8,140
	3-9-06	**2,960**	**24.8**	**20.8**	ND < 10	3,005.6
	5-16-06	**1,800**	**12.2**	**20.1**	ND < 5.0	1,832.3
	8-22-06	**14,100**	**76**	**177 M**	ND < 50.0	14,353
	11-28-06	**3,340**	ND < 25.0	**25.5**	ND < 25.0	3,365.5
	12-11-06	**1,190**	**10.9**	**22.1**	ND < 5.0	1,223
	3-1-07	**5,100**	ND < 50.0	ND < 50.0	ND < 50.0	5,100
	5-29-07	**1,080**	**16.6**	ND < 10.0	ND < 10.0	1,096.6
	8-28-07	**325**	4.1	3.6	ND < 2.5	332.7
	11-28-07	**1,770**	ND < 10.0	ND < 10.0	ND < 10.0	1,770
	2-28-08	**4,700**	**30.5**	**46.0**	ND < 25	4,776.5
	5-27-08	**2,510**	**187**	**114**	ND<25.0	2,811
	9-9-08	**4,040**	**52.5**	**68.0**	ND<25.0	4,160.5
	11-25-08	**4,790**	ND < 100.0	ND < 100.0	ND < 100.0	4,790
	3-5-09	**4,800**	ND<100	ND<100	ND<100 S	4,800
	5-27-09	**5,090**	ND<100	ND<100	ND<100	5,090
	8-25-09	**2,610**	ND<100	ND<100	ND<100 S	2,610

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Table 1 cont'd. **Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples;**
USEPA Method 524.2; collected **January 2006 through August 2009;**
Apple Valley Shopping Center, Lagrange, New York;
Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
RW-3	2-9-06	**1,250**	**102**	**88.8**	ND < 5.0	1,440.8
	3-9-06	**567**	**67.3**	**72.8**	**3.9**	711
	5-16-06	**538**	**53.8**	**99.4**	ND < 2.5	691.2
	8-22-06	**151**	**19.6**	**34.1 M**	ND < 2.5	204.7
	11-28-06	**451**	**49.5**	**103**	**4.0**	607.5
	12-11-06	**467**	**66.4**	**147**	**5.7**	686.1
	3-1-07	**494**	**59**	**75.3**	ND < 2.5	628.3
	5-29-07	**550**	**54.3**	**93.8**	**5.2**	703.3
	8-28-07	**657**	**69.7**	**121**	**4.4**	852.1
	11-28-07	**541**	**57.0**	**103**	ND < 5.0 S	701
	2-28-08	**618**	**53.0**	**99.7**	ND < 5.0	770.7
	5-27-08	**543**	**55.2**	**89.8**	ND<10	688
	9-9-08	**480**	**54.2**	**85.2**	ND<5.0	619.4
	11-25-08	**876**	**82.2**	**120**	ND<10	1,078.2
	3-5-09	**347**	**38.8**	**49.4**	ND<10 S	435.2
	5-27-09	**351**	**40.6**	**42.2**	ND<10	433.8
	8-25-09	**423**	**53.4**	**75.4**	ND<10	551.8

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COC = Contaminants of concern.

Table 1 cont'd. **Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples;**
USEPA Method 524.2; collected **January 2006 through August 2009;**
Apple Valley Shopping Center, Lagrange, New York;
Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
AV-2	2-9-06	**3,560**	**380**	**979**	ND < 10	4,919
	3-9-06	**90.7**	**11.0**	**19.5**	ND < 0.5	121.2
	5-16-06	**913**	**13.2**	**18.0**	ND < 2.5	944.2
	8-22-06	**28.4**	3.4	**9.9** M	ND < 0.5	41.7
	11-28-06	**24.7**	3.5	**6.6**	ND < 0.5	34.8
	12-11-06	**28.5**	4.0	**9.2**	ND < 0.5	41.7
	3-1-07	**25.4**	4.0	**5.2**	ND < 0.5	34.6
	5-29-07	**26.0**	3.8	**6.1**	ND < 0.5	35.9
	8-28-07	**24.4**	ND < 0.5	**6.5**	ND < 0.5	30.9
	11-28-07	**13.2**	2.1	3.6	ND < 0.5 S	18.9
	2-28-08	**126**	**10.7**	**26.2**	ND < 0.5	162.9
	5-27-08	**98.5**	**10.4**	**24.3**	ND<0.5	133.2
	9-9-08	**10**	1.8	3.3	ND<0.5	15.1
	11-25-08	**20.9**	3.3	4.6	ND<0.5	28.8
	3-5-09	**180**	**17.5**	**31.4**	ND<0.5	228.9
	5-27-09	**146**	**19.5**	**22.5**	ND<5.0	188
	8-25-09	**45.4**	**5.6**	**9.1**	ND<2.5 S	60.1

Notes:
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ND = Not detected above the method detection limit listed,
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards,
S = Spike recovery outside accepted recovery limits,
M = Matrix spike recoveries outside QC limits Matrix bias indicated,
COC = Contaminants of concern

Table 1 cont'd. **Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples;**
USEPA Method 524.2; collected **January 2006 through August 2009;**
Apple Valley Shopping Center, Lagrange, New York;
Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
AVS-EFF	2-9-06	**146**	**8.3**	**22.1**	ND < 0.5	176.4
	3-9-06	**12.3**	1.1	1.4	ND < 0.5	14.8
	5-16-06	**14**	0.6	1.5	ND < 0.5	16.1
	7-5-06	1.7	ND < 0.5	ND < 0.5	ND < 0.5	1.7
	8-22-06	**7.4**	ND < 0.5	ND < 0.5	ND < 0.5	7.4
	11-28-06	**85.8**	4.9	**13.0**	ND < 0.5	103.7
	12-11-06	2.1	ND < 0.5	ND < 0.5	ND < 0.5	2.1
	3-1-07	2.4	ND < 0.5	ND < 0.5	ND < 0.5	2.4
	5-29-07	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	8-28-07	2.0	ND < 0.5	ND < 0.5	ND < 0.5	2.0
	11-28-07	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5 S	0
	2-28-08	2.8	ND < 0.5	ND < 0.5	ND < 0.5	2.8
	5-27-08	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0
	9-11-08	0.5	ND<0.5	ND<0.5	ND<0.5	0.5
	11-25-08	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
	3-5-09	1.4	ND<0.5	ND<0.5	ND<0.5	1.4
	5-27-09	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
	8-25-09	1.6	ND<0.5	0.7	ND<0.5	2.3

Notes:
1 - Standards are for groundwater according to 6NYCRR Part 700-705, Class GA Groundwater Standards.
All concentrations are in µg/l;
ND = Not detected above the method detection limit listed,
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards.
S = Spike recovery outside accepted recovery limits;
M = Matrix spike recoveries outside QC limits. Matrix bias indicated,
COC = Contaminants of concern

Table 1 cont'd. **Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples;**
USEPA Method 524.2; collected **January 2006 through August 2009;**
Apple Valley Shopping Center, Lagrange, New York;
Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
AV-1	1-16-06	**35.5**	1.4	2.0	ND < 0.5	38.9
	5-16-06	**13.9**	ND < 0.5	ND < 0.5	ND < 0.5	13.9
	8-23-06	**10.3**	0.6	0.8 M	ND < 0.5	11.7
MW-1	1-17-06	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	5-16-06	ND < 0.5	2.2	ND < 0.5	ND < 0.5	2.2
	8-22-06	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	8-28-07	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	9-10-08	3.5	ND<0.5	ND<0.5	ND<0.5	3.5
MW-2	1-13-06	**967**	**95.7**	**94.9**	ND < 5.0	1,157.6
	5-16-06	**4,440**	**638**	**1,300**	ND < 25.0	6,378
	8-22-06	**2,710**	**390**	**943** M	**24.2**	4,067.2
	8-28-07	**2,760**	**396**	**752**	**31.0**	3,939
	9-10-08	**1,290**	**182**	**484**	**32.7**	1,988.7
	8-25-09	**2,630**	**440**	**772**	ND<100 S	3,842
MW-3	1-16-06	0.6	ND < 0.5	ND < 0.5	ND < 0.5	0.6
	5-16-06	2.6	ND < 0.5	ND < 0.5	ND < 0.5	2.6
	8-23-06	4.3	ND < 0.5	ND < 0.5	ND < 0.5	4.3
	8-29-07	2.5	ND < 0.5	ND < 0.5	ND < 0.5	2.5
	9-10-08	2.8	ND<0.5	0.6	ND<0.5	3.4

Notes:
1 - Standards are for groundwater according to 6NYCRR Part 700-705, Class GA Groundwater Standards,
All concentrations are in µg/l;
ND = Not detected above the method detection limit listed;
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards,
M = Matrix spike recoveries outside QC limits Matrix bias indicated,
S = Spike recovery outside accepted recovery limits,
COC = Contaminants of concern

Table 1 cont'd. **Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples;**
USEPA Method 524.2; collected **January 2006 through August 2009;**
Apple Valley Shopping Center, Lagrange, New York;
Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
MW-5	1-18-06	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	8-23-06	4.0	ND < 0.5	0.6 M	ND < 0.5	4.6
	3-5-07	2.0	ND < 0.5	ND < 0.5	ND < 0.5	2.0
	8-28-07	3.3	ND < 0.5	ND < 0.5	ND < 0.5	3.3
	3-26-08	0.7	ND < 0.5	ND < 0.5	ND < 0.5	0.7
	9-11-08	2.4	ND<0.5	ND<0.5	ND<0.5	2.4
MW-6	1-16-06	**21.6**	3.4	**7.9**	ND < 0.5	32.9
	5-16-06	**6.0**	0.6	ND < 0.5	ND < 0.5	6.6
	8-22-06	3.7	ND < 0.5	ND < 0.5	ND < 0.5	3.7
	8-28-07	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	9-10-08	2.8	ND<0.5	ND<0.5	ND<0.5	2.8
MW-7	1-16-06	**6.1**	3.6	0.9	ND < 0.5	10.6
	5-16-06	**34.0**	3.2	**7.3**	ND < 0.5	44.5
	8-22-06	**23.6**	2.8	**8.7 M**	ND < 0.5	35.1
	8-28-07	**12.5**	1.9	2.8	ND < 0.5	17.2
	9-10-08	**17.1**	1.4	3.7	ND<0.5	22.2
	8-25-09	**27.2**	3.9	**8.0**	ND<0.5 S	39.1

Notes:
1 - Standards are for groundwater according to 6NYCRR Part 700-705, Class GA Groundwater Standards,
All concentrations are in µg/l;
ND = Not detected above the method detection limit listed;
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards,
M = Matrix spike recoveries outside QC limits Matrix bias indicated,
S = Spike recovery outside accepted recovery limits,
COC = Contaminants of concern

Table 2. **Volatile Organic Compounds (VOCs) in Residential Supply Well Groundwater Samples;** USEPA Method 524.2; collected **March 1998 through August 2009;** Apple Valley Shopping Center, LaGrange, New York; Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
Lot 6	1-29-03	1.0	ND<0.5	ND < 0.5	ND	1.0
	8-23-06	4.5	ND<0.5	0.9 M	ND<0.5	5.4
	2-27-07	2.6	ND<0.5	0.6	ND<0.5	3.2
	8-7-07	2.2	0.8	ND < 0.5	ND<0.5	3.0
	2-27-08	**9.8**	0.6	1.3	ND<0.5	11.7
	6-3-08	3.0	ND<0.5	0.6	ND<0.5	3.6
	9-5-08	2.1	ND<0.5	0.6	ND<0.5	2.7
	3-19-09	2.9	ND<0.5	0.9	ND<0.5	3.8
	8-17-09	3.7	0.8	1.1	ND<0.5	5.6
Lot 8	1-29-03	0.6	ND	ND	ND	0.6
	8-22-06	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	2-23-07	0.8	ND < 0.5	ND < 0.5	ND < 0.5	0.8
Lot 9	1-29-03	0.8	ND	0.6	ND	1.4
	2-23-07	0.9	ND < 0.5	0.6	ND < 0.5	1.5
	8-24-07	0.7	0.5	ND < 0.5	ND < 0.5	1.2
	2-29-08	1.5	1.0	1.9	ND < 0.5	4.4
	9-5-08	ND<0.5	0.6	0.7	ND<0.5	1.3

Notes:
1 - Standards are for groundwater according to 6NYCRR Part 700-705, Class GA Groundwater Standards.
All concentrations are in µg/l.
ND = Not detected above the method detection limit listed.
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards.
M = Matrix spike recoveries outside QC limits Matrix bias indicated.
S = Associated LCS outside QC windows;
COC = Contaminants of concern

Table 2 cont'd. **Volatile Organic Compounds (VOCs) in Residential Supply Well Groundwater Samples;** USEPA Method 524.2; collected **March 1998 through August 2009;** Apple Valley Shopping Center, LaGrange, New York; Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
Lot 10 Upstream	9-01	**7.8**	3.4	4.0	ND	15.2
	3-02	3.7	2.1	2.6	ND	8.4
	9-02	ND	ND	ND	ND	0
	4-03	2.1	2.2	1.9	ND	6.2
	11-03	1.8	2.2	2.6	ND	6.6
	5-18-04	1.9	2.0	2.0	ND	5.9
	12-14-04	3.2	3.3	2.9	ND	9.4
	7-13-05	4.77	3.54	2.85	ND	11.16
	8-25-06	**15.4**	4.1 M	**10.3**	ND < 0.5	29.8
	8-30-07	**8.0**	3.9	4.6	ND < 0.5	16.5
	2-28-08	**12.1**	**12.1**	**15.8**	ND < 0.5	40

Notes
1 - Standards are for groundwater according to 6NYCRR Part 700-705, Class GA Groundwater Standards;
All concentrations are in µg/l.
ND = Not detected above the method detection limit listed;
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards.
M = Matrix spike recoveries outside QC limits Matrix bias indicated.
S = Associated LCS outside QC windows,
COC = Contaminants of concern

Table 2 cont'd. **Volatile Organic Compounds (VOCs) in Residential Supply Well Groundwater Samples;** USEPA Method 524.2; collected **March 1998 through August 2009;** Apple Valley Shopping Center, LaGrange, New York; Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
Lot 11 Upstream	3-18-98	ND	ND	ND	ND	0
	1-25-07	2.8	0.5	ND < 0.5	ND < 0.5 S	3.3
	8-27-07	1.6	0.5	ND < 0.5	ND < 0.5	2.1
	2-28-08	**20.2**	1.3	2.0	ND < 0.5	23.5
	6-26-08	2.5	1.6	1.9	ND<0.5	6.0
	9-5-08	0.9	ND<0.5	ND<0.5	ND<0.5	0.9
	3-12-09	1.4	1.0	1.5	ND<0.5	3.9
	9-29-09	1.4	ND<0.5	ND<0.5	ND<0.5	1.4
Lot 12	1-29-03	ND < 0.5	ND	ND	ND	0
	9-7-06	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	2-21-07	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	8-28-07	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
Lot 13	2-22-07	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	8-21-07	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0

Notes
1 - Standards are for groundwater according to 6NYCRR Part 700-705, Class GA Groundwater Standards,
All concentrations are in µg/l,
ND = Not detected above the method detection limit listed,
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards,
M = Matrix spike recoveries outside QC limits Matrix bias indicated;
S = Associated LCS outside QC windows,
COC = Contaminants of concern

Table 3. **Volatile Organic Compounds (VOCs) in Air Stripper Effluent prior to cleaning of stripper trays;** USEPA Method 524.2; collected **July 13, 2009,** Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070

Chemical Constituent	NYSDEC Limit[1]	Sample Identification
		AVS-EFF
Volatile Organic Compounds		
Bromochloromethane	5	ND<0.5
Bromomethane	5	ND<0.5
Carbon tetrachloride	5	ND<0.5
Chloroethane	5	ND<1.0
Chloromethane	5	ND<0.5 S
1,2-Dibromomethane	5	ND<0.5
Dibromomethane	5	ND<0.5
1,2-Dibromo-3-Chloropropane	0.04	ND<0.5
Dichlorodifluoromethane	5	ND<0.5
1,1-Dichloroethane	5	ND<0.5
1,2-Dichloroethane	0.6	ND<0.5
1,1-Dichloroethene	5	ND<0.5
cis-1,2-Dichloroethene	5	ND<0.5
trans-1,2-Dichloroethene	5	ND<0.5
1,2-Dichloropropane	1	ND<0.5
1,3-Dichloropropane	5	ND<0.5
2,2 - Dichloropropane	5	ND<0.5 S
1,1-Dichloropropene	5	ND<0.5
cis-1,3-Dichloropropene	0.4	ND<0.5
trans-1,3-Dichloropropene	0.4	ND<0.5
Methylene chloride	5	ND<0.5
1,1,1,2-Tetrachloroethane	5	ND<0.5
1,1,2,2-Tetrachloroethane	5	ND<0.5
Tetrachloroethene	5	2.6
1,1,1-Trichloroethane	5	ND<0.5
1,1,2-Trichloroethane	1	ND<0.5

Notes.
1 - Standards are for groundwater according to 6NYCRR Part 700-705, Class GA Groundwater Standards.
All concentrations are in (µg/l) unless otherwise indicated.
ND = Not Detected.
S = denotes a spike recover outside accepted recovery limits.
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standard

Table 3 (con't). **Volatile Organic Compounds (VOCs) in Air Stripper Effluent prior to cleaning of stripper trays;** USEPA Method 524.2; collected **July 13, 2009,** Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070

Chemical Constituent	NYSDEC Limit[1]	Sample Identification
		MW-4
Volatile Organic Compounds		
Trichloroethene	5	ND<0.5
Trichlorofluoromethane	5	ND<0.5
1,2,3-Trichloropropane	0.004	ND<0.5
Vinyl Chloride	2	ND<0.5
trans-1,4-Dichloro-2-butene	5	ND<0.5
Benzene	1.0	ND<0.5
Bromobenzene	5	ND<0.5
n-Butylbenzene	5	ND<0.5
sec-Butylbenzene	5	ND<0.5
tert-Butylbenzene	5	ND<0.5
Chlorobenzene	5	ND<0.5
2-Chlorotoluene	5	ND<0.5
4-Chlorotoluene	5	ND<0.5
1,2-Dichlorobenzene	3	ND<0.5
1,3-Dichlorobenzene	3	ND<0.5
1,4-Dichlorobenzene	3	ND<0.5
Ethyl Benzene	5	ND<0.5
Hexachlorobutadiene	0.5	ND<0.5 S
Isopropylbenzene	5	ND<0.5
4-Isopropyltoluene	5	ND<0.5
Naphthalene	10	ND<0.5
n-Propylbenzene	5	ND<0.5
Styrene	5	ND<0.5
Toluene	5	ND<0.5
1,2,3-Trichlorobenzene	5	ND<0.5

Notes.
1 - Standards are for groundwater according to 6NYCRR Part 700-705, Class GA Groundwater Standards.
All concentrations are in (µg/l) unless otherwise indicated.
ND = Not Detected,
S = denotes a spike recover outside accepted recovery limits.
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standard

Table 3 (con't). **Volatile Organic Compounds (VOCs) in Air Stripper Effluent prior to cleaning of stripper trays;** USEPA Method 524.2; collected **July 13, 2009,** Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070

Chemical Constituent	NYSDEC Limit[1]	Sample Identification
		MW-4
Volatile Organic Compounds		
1,2,4-Trichlorobenzene	5	ND<0.5 S
1,2,4-Trimethylbenzene	5	ND<0.5
1,3,5-Trimethylbenzene	5	ND<0.5
Xylene, total	5	ND<0.5
Methyl tert-butyl ether (MTBE)	10	ND<2.0
Bromodichloromethane	50	ND<0.5
Bromoform	50	ND<0.5
Chloroform	7	ND<0.5
Dibromochloromethane	5	ND<0.5

Notes
1 - Standards are for groundwater according to 6NYCRR Part 700-705, Class GA Groundwater Standards.
All concentrations are in (µg/l) unless otherwise indicated.
ND = Not Detected;
S = denotes a spike recover outside accepted recovery limits.
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standard

Table 4. **Volatile Organic Compounds (VOCs) in Frac Tank Sample;** USEPA Method 8260; collected **August 13, 2009**; Apple Valley Shopping Center, Lagrange, New York;
Conrad Geoscience File #AL030070

Constituent	NYSDEC Limit[1]	Sample Identification
		FT-1
Volatile Organic Compounds		
Bromodichloromethane	50	ND<2.00
Bromomethane	5	ND<2.00
Bromoform	50	ND<5.00
Carbon tetrachloride	5	ND<2.00
Chloroethane	5	ND<2.00
Chloromethane	5	ND<2.00
2-Chloroethyl vinyl ether	50	ND<10.0
Chloroform	7	ND<2.00
Dibromochloromethane	50	ND<2.00
1,1-Dichloroethane	5	ND<2.00
1,2-Dichloroethane	0.6	ND<2.00
1,1-Dichloroethene	5	ND<2.00
cis-1, 2-Dichloroethene	5	ND<2.00
trans-1,2-Dichloroethene	5	ND<2.00
1,2-Dichloropropane	1	ND<2.00
cis-1,3-Dichloropropene	5	ND<2.00
trans-1,3-Dichloropropene	5	ND<2.00
Methylene chloride	5	ND<5.00
1,1,2,2-Tetrachloroethane	5	ND<2.00
Tetrachloroethene	5	ND<2.00
1,1,1-Trichloroethane	5	ND<2.00
1,1,2-Trichloroethane	1	ND<2.00
Trichloroethene	5	ND<2.00
Trichlorofluoromethane	5	ND<2.00
Vinyl Chloride	2	ND<2.00

Notes:
1 - Standards are for Class GA groundwater according to 6NYCRR Part 700-705.
All concentrations are in ug/L unless otherwise indicated.
ND=Not detected, detection limit listed;
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standard.
E = Exceeded calibration range of instrumentation

Table 4 (cont.) **Volatile Organic Compounds (VOCs) in Frac Tank Sample;** USEPA Method 8260; collected **August 13, 2009**; Apple Valley Shopping Center, Lagrange, New York;
Conrad Geoscience File #AL030070

Constituent	NYSDEC Limit[1]	Sample Identification
		FT-1
Volatile Organic Compounds		
Benzene	0.7	ND<0.700
Chlorobenzene	5	ND<2.00
Ethylbenzene	5	ND<2.00
Toluene	5	ND<2.00
m,p-Xylene	5	ND<2.00
o-Xylene	5	ND<2.00
Styrene	5	ND<5.00
1,2-Dichlorobenzene	3	ND<2.00
1,3-Dichlorobenzene	3	ND<2.00
1,4-Dichlorobenzene	3	ND<2.00
Acetone	50	ND<10.0
2-Butanone	50	ND<10.0
2-Hexanone	50	ND<5.00
4-Methyl-2-pentanone	50	ND<5.00
Carbon disulfide	50	ND<5.00
Vinyl acetate	50	ND<5.00
n-Butylbenzene	5	ND<5.00
sec-Butylbenzene	5	ND<5.00
tert-Butylbenzene	5	ND<5.00
n-propylbenzene	5	ND<2.00
Isopropylbenzene	5	ND<5.00
p-Isopropyltoluene	5	ND<5.00
Naphthalene	10	ND<5.00
1, 2, 4-Trimethylbenzene	5	ND<5.00
1, 3, 5-Trimethylbenzene	5	ND<5.00
Methyl tert-butyl ether	10	ND<2.00

Notes:
1 - Standards are for Class GA groundwater according to 6NYCRR Part 700-705.
All concentrations are in ug/L unless otherwise indicated;
ND=Not detected, detection limit listed.
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standard.
E = Exceeded calibration range of instrumentation

ANALYTICAL REPORTS

PARADIGM

ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 09-3114
Issued September 3, 2009
This report contains a total of 9 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

Volatile Laboratory Analysis Report
For Water

Client: Conrad Geoscience
Client Job Site: Apple Valley Shopping Center
Client Job No.: AL030071
Field Location: AVS-EFF

Lab Project No.: 09-3114
Lab Sample No.: 9724
Sample Type: Water
Date Sampled: 08/25/09
Date Received: 08/26/09
Date Analyzed: 08/31/09

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	ND<0.5		Benzene	ND<0.5
Bromomethane	ND<0.5		Bromobenzene	ND<0.5
Carbon Tetrachloride	ND<0.5		n-Butylbenzene	ND<0.5
Chloroethane	ND<1.0		sec-Butylbenzene	ND<0.5
Chloromethane	3.4		tert-Butylbenzene	ND<0.5
1,2-Dibromomethane	ND<0.5		Chlorobenzene	ND<0.5
Dibromomethane	ND<0.5		2-Chlorotoluene	ND<0.5
1,2-Dibromo-3-Chloropropane	ND<0.5	S	4-Chlorotoluene	ND<0.5
Dichlorodifluoromethane	ND<0.5		1,2-Dichlorobenzene	ND<0.5
1,1-Dichloroethane	ND<0.5		1,3-Dichlorobenzene	ND<0.5
1,2- Dichloroethane	ND<0.5		1,4-Dichlorobenzene	ND<0.5
1,1-Dichloroethene	ND<0.5		Ethyl Benzene	ND<0.5
cis- 1,2-Dichloroethene	0.7		Hexachlorobutadiene	ND<0.5
trans-1,2-Dichloroethene	ND<0.5		Isopropylbenzene	ND<0.5
1,2 - Dichloropropane	ND<0.5		4-Isopropyltoluene	ND<0.5
1,3-Dichloropropane	ND<0.5		Naphthalene	ND<0.5
2,2-Dichloropropane	ND<0.5		n-Propylbenzene	ND<0.5
1,1- Dichloropropene	ND<0.5		Styrene	ND<0.5
cis-1,3-Dichloropropene	ND<0.5		Toluene	ND<0.5
trans-1,3-Dichloropropene	ND<0.5		1,2,3-Trichlorobenzene	ND<0.5
Methylene Chloride	ND<0.5		1,2,4-Trichlorobenzene	ND<0.5
1,1,1,2-Tetrachloroethane	ND<0.5		1,2,4-Trimethylbenzene	ND<0.5
1,1,2,2-Tetrachloroethane	ND<0.5		1,3,5-Trimethylbenzene	ND<0.5
Tetrachloroethene	1.6		m,p-Xylene	ND<0.5
1,1,1-Trichloroethane	ND<0.5		o-Xylene	ND<0.5
1,1,2-Trichloroethane	ND<0.5		Methyl-t-Butyl Ether	ND<2.0
Trichloroethene	ND<0.5		Trihalomethanes	
Trichlorofluoromethane	ND<0.5		Bromodichloromethane	ND<0.5
1,2,3-Trichloropropane	ND<0.5		Bromoform	ND<0.5
Vinyl Chloride	ND<0.5	S	Chloroform	ND<0.5
			Dibromochloromethane	ND<0.5

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non Detect.
S denotes Spike Recovery outside accepted recovery limits.

Approved By Technical Director: _____
Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt

File ID: Conrad 09-3114

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

Volatile Laboratory Analysis Report
For Water

Client: Conrad Geoscience
Client Job Site: Apple Valley Shopping Center
Client Job No.: AL030071
Field Location: AV-2

Lab Project No.: 09-3114
Lab Sample No.: 9725
Sample Type: Water
Date Sampled: 08/25/09
Date Received: 08/26/09
Date Analyzed: 08/31/09

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	ND<2.5		Benzene	ND<2.5
Bromomethane	ND<2.5		Bromobenzene	ND<2.5
Carbon Tetrachloride	ND<2.5		n-Butylbenzene	ND<2.5
Chloroethane	ND<5.0		sec-Butylbenzene	ND<2.5
Chloromethane	ND<2.5		tert-Butylbenzene	ND<2.5
1,2-Dibromomethane	ND<2.5		Chlorobenzene	ND<2.5
Dibromomethane	ND<2.5		2-Chlorotoluene	ND<2.5
1,2-Dibromo-3-Chloropropane	ND<2.5	S	4-Chlorotoluene	ND<2.5
Dichlorodifluoromethane	ND<2.5		1,2-Dichlorobenzene	ND<2.5
1,1-Dichloroethane	ND<2.5		1,3-Dichlorobenzene	ND<2.5
1,2- Dichloroethane	ND<2.5		1,4-Dichlorobenzene	ND<2.5
1,1-Dichloroethene	ND<2.5		Ethyl Benzene	ND<2.5
cis- 1,2-Dichloroethene	9.1	X	Hexachlorobutadiene	ND<2.5
trans-1,2-Dichloroethene	ND<2.5		Isopropylbenzene	ND<2.5
1,2 - Dichloropropane	ND<2.5		4-Isopropyltoluene	ND<2.5
1,3-Dichloropropane	ND<2.5		Naphthalene	ND<2.5
2,2-Dichloropropane	ND<2.5		n-Propylbenzene	ND<2.5
1,1- Dichloropropene	ND<2.5		Styrene	ND<2.5
cis-1,3-Dichloropropene	ND<2.5		Toluene	ND<2.5
trans-1,3-Dichloropropene	ND<2.5		1,2,3-Trichlorobenzene	ND<2.5
Methylene Chloride	ND<2.5		1,2,4-Trichlorobenzene	ND<2.5
1,1,1,2-Tetrachloroethane	ND<2.5		1,2,4-Trimethylbenzene	ND<2.5
1,1,2,2-Tetrachloroethane	ND<2.5		1,3,5-Trimethylbenzene	ND<2.5
Tetrachloroethene	45.4	X	m,p-Xylene	ND<2.5
1,1,1-Trichloroethane	ND<2.5		o-Xylene	ND<2.5
1,1,2-Trichloroethane	ND<2.5		Methyl-t-Butyl Ether	ND<10
Trichloroethene	5.6	X	Trihalomethanes	
Trichlorofluoromethane	ND<2.5		Bromodichloromethane	ND<2.5
1,2,3-Trichloropropane	ND<2.5		Bromoform	ND<2.5
Vinyl Chloride	ND<2.5	S	Chloroform	ND<2.5
			Dibromochloromethane	ND<2.5

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non Detect.
S denotes Spike Recovery outside accepted recovery limits.
X denotes Value exceeds Maximum Contaminant Level.

Approved By Technical Director: _____

Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt

File ID: Conrad 09-3114

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

Volatile Laboratory Analysis Report
For Water

Client: Conrad Geoscience
Client Job Site: Apple Valley Shopping Center
Client Job No.: AL030071
Field Location: RW-1

Lab Project No.: 09-3114
Lab Sample No.: 9726
Sample Type: Water
Date Sampled: 08/25/09
Date Received: 08/26/09
Date Analyzed: 08/31/09

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	ND<5.0		Benzene	ND<5.0
Bromomethane	ND<5.0		Bromobenzene	ND<5.0
Carbon Tetrachloride	ND<5.0		n-Butylbenzene	ND<5.0
Chloroethane	ND<10		sec-Butylbenzene	ND<5.0
Chloromethane	ND<5.0		tert-Butylbenzene	ND<5.0
1,2-Dibromomethane	ND<5.0		Chlorobenzene	ND<5.0
Dibromomethane	ND<5.0		2-Chlorotoluene	ND<5.0
1,2-Dibromo-3-Chloropropane	ND<5.0	S	4-Chlorotoluene	ND<5.0
Dichlorodifluoromethane	ND<5.0		1,2-Dichlorobenzene	ND<5.0
1,1-Dichloroethane	ND<5.0		1,3-Dichlorobenzene	ND<5.0
1,2- Dichloroethane	ND<5.0		1,4-Dichlorobenzene	ND<5.0
1,1-Dichloroethene	ND<5.0		Ethyl Benzene	ND<5.0
cis- 1,2-Dichloroethene	5.2	X	Hexachlorobutadiene	ND<5.0
trans-1,2-Dichloroethene	ND<5.0		Isopropylbenzene	ND<5.0
1,2 - Dichloropropane	ND<5.0		4-Isopropyltoluene	ND<5.0
1,3-Dichloropropane	ND<5.0		Naphthalene	ND<5.0
2,2-Dichloropropane	ND<5.0		n-Propylbenzene	ND<5.0
1,1- Dichloropropene	ND<5.0		Styrene	ND<5.0
cis-1,3-Dichloropropene	ND<5.0		Toluene	ND<5.0
trans-1,3-Dichloropropene	ND<5.0		1,2,3-Trichlorobenzene	ND<5.0
Methylene Chloride	10.4	X	1,2,4-Trichlorobenzene	ND<5.0
1,1,1,2-Tetrachloroethane	ND<5.0		1,2,4-Trimethylbenzene	ND<5.0
1,1,2,2-Tetrachloroethane	ND<5.0		1,3,5-Trimethylbenzene	ND<5.0
Tetrachloroethene	134	X	m,p-Xylene	ND<5.0
1,1,1-Trichloroethane	ND<5.0		o-Xylene	ND<5.0
1,1,2-Trichloroethane	ND<5.0		Methyl-t-Butyl Ether	ND<20
Trichloroethene	10	X	Trihalomethanes	
Trichlorofluoromethane	ND<5.0		Bromodichloromethane	ND<5.0
1,2,3-Trichloropropane	ND<5.0		Bromoform	ND<5.0
Vinyl Chloride	ND<5.0	S	Chloroform	ND<5.0
			Dibromochloromethane	ND<5.0

EPA Method 524.2 NYS ELAP No.: 10709

Comments: ND denotes Non Detect.
S denotes Spike Recovery outside accepted recovery limits.
X denotes Value exceeds Maximum Contaminant Level.

Approved By Technical Director: _____
Bruce Hoogesteger

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File ID: Conrad 09-3114

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

Volatile Laboratory Analysis Report
For Water

Client: Conrad Geoscience
Client Job Site: Apple Valley Shopping Center
Client Job No.: AL030071
Field Location: RW-2

Lab Project No.: 09-3114
Lab Sample No.: 9727
Sample Type: Water
Date Sampled: 08/25/09
Date Received: 08/26/09
Date Analyzed: 08/31/09

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	ND<100		Benzene	ND<100
Bromomethane	ND<100		Bromobenzene	ND<100
Carbon Tetrachloride	ND<100		n-Butylbenzene	ND<100
Chloroethane	ND<200		sec-Butylbenzene	ND<100
Chloromethane	ND<100		tert-Butylbenzene	ND<100
1,2-Dibromomethane	ND<100		Chlorobenzene	ND<100
Dibromomethane	ND<100		2-Chlorotoluene	ND<100
1,2-Dibromo-3-Chloropropane	ND<100	S	4-Chlorotoluene	ND<100
Dichlorodifluoromethane	ND<100		1,2-Dichlorobenzene	ND<100
1,1-Dichloroethane	ND<100		1,3-Dichlorobenzene	ND<100
1,2- Dichloroethane	ND<100		1,4-Dichlorobenzene	ND<100
1,1-Dichloroethene	ND<100		Ethyl Benzene	ND<100
cis- 1,2-Dichloroethene	ND<100		Hexachlorobutadiene	ND<100
trans-1,2-Dichloroethene	ND<100		Isopropylbenzene	ND<100
1,2 - Dichloropropane	ND<100		4-Isopropyltoluene	ND<100
1,3-Dichloropropane	ND<100		Naphthalene	ND<100
2,2-Dichloropropane	ND<100		n-Propylbenzene	ND<100
1,1- Dichloropropene	ND<100		Styrene	ND<100
cis-1,3-Dichloropropene	ND<100		Toluene	ND<100
trans-1,3-Dichloropropene	ND<100		1,2,3-Trichlorobenzene	ND<100
Methylene Chloride	156	X	1,2,4-Trichlorobenzene	ND<100
1,1,1,2-Tetrachloroethane	ND<100		1,2,4-Trimethylbenzene	ND<100
1,1,2,2-Tetrachloroethane	ND<100		1,3,5-Trimethylbenzene	ND<100
Tetrachloroethene	2610	X	m,p-Xylene	ND<100
1,1,1-Trichloroethane	ND<100		o-Xylene	ND<100
1,1,2-Trichloroethane	ND<100		Methyl-t-Butyl Ether	ND<400
Trichloroethene	ND<100		Trihalomethanes	
Trichlorofluoromethane	ND<100		Bromodichloromethane	ND<100
1,2,3-Trichloropropane	ND<100		Bromoform	ND<100
Vinyl Chloride	ND<100	S	Chloroform	ND<100
			Dibromochloromethane	ND<100

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non Detect.
S denotes Spike Recovery outside accepted recovery limits.
X denotes Value exceeds Maximum Contaminant Level.

Approved By Technical Director: _____

Bruce Hoogesteger

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PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

Volatile Laboratory Analysis Report
For Water

Client: Conrad Geoscience
Client Job Site: Apple Valley Shopping Center
Client Job No.: AL030071
Field Location: RW-3

Lab Project No.: 09-3114
Lab Sample No.: 9728
Sample Type: Water
Date Sampled: 08/25/09
Date Received: 08/26/09
Date Analyzed: 08/31/09

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	ND<10		Benzene	ND<10
Bromomethane	ND<10		Bromobenzene	ND<10
Carbon Tetrachloride	ND<10		n-Butylbenzene	ND<10
Chloroethane	ND<20		sec-Butylbenzene	ND<10
Chloromethane	ND<10		tert-Butylbenzene	ND<10
1,2-Dibromomethane	ND<10		Chlorobenzene	ND<10
Dibromomethane	ND<10		2-Chlorotoluene	ND<10
1,2-Dibromo-3-Chloropropane	ND<10	S	4-Chlorotoluene	ND<10
Dichlorodifluoromethane	ND<10		1,2-Dichlorobenzene	ND<10
1,1-Dichloroethane	ND<10		1,3-Dichlorobenzene	ND<10
1,2- Dichloroethane	ND<10		1,4-Dichlorobenzene	ND<10
1,1-Dichloroethene	ND<10		Ethyl Benzene	ND<10
cis- 1,2-Dichloroethene	75.4	X	Hexachlorobutadiene	ND<10
trans-1,2-Dichloroethene	ND<10		Isopropylbenzene	ND<10
1,2 - Dichloropropane	ND<10		4-Isopropyltoluene	ND<10
1,3-Dichloropropane	ND<10		Naphthalene	ND<10
2,2-Dichloropropane	ND<10		n-Propylbenzene	ND<10
1,1- Dichloropropene	ND<10		Styrene	ND<10
cis-1,3-Dichloropropene	ND<10		Toluene	ND<10
trans-1,3-Dichloropropene	ND<10		1,2,3-Trichlorobenzene	ND<10
Methylene Chloride	24.6	X	1,2,4-Trichlorobenzene	ND<10
1,1,1,2-Tetrachloroethane	ND<10		1,2,4-Trimethylbenzene	ND<10
1,1,2,2-Tetrachloroethane	ND<10		1,3,5-Trimethylbenzene	ND<10
Tetrachloroethene	423	X	m,p-Xylene	ND<10
1,1,1-Trichloroethane	ND<10		o-Xylene	ND<10
1,1,2-Trichloroethane	ND<10		Methyl-t-Butyl Ether	ND<40
Trichloroethene	53.4	X	Trihalomethanes	
Trichlorofluoromethane	ND<10		Bromodichloromethane	ND<10
1,2,3-Trichloropropane	ND<10		Bromoform	ND<10
Vinyl Chloride	ND<10	S	Chloroform	ND<10
			Dibromochloromethane	ND<10

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non Detect.
S denotes Spike Recovery outside accepted recovery limits.
X denotes Value exceeds Maximum Contaminant Level.

Approved By Technical Director: _____

Bruce Hoogesteger

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PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

Volatile Laboratory Analysis Report
For Water

Client: Conrad Geoscience
Client Job Site: Apple Valley Shopping Center
Client Job No.: AL030071
Field Location: MW-7

Lab Project No.: 09-3114
Lab Sample No.: 9729
Sample Type: Water
Date Sampled: 08/25/09
Date Received: 08/26/09
Date Analyzed: 08/31/09

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	ND<0.5		Benzene	ND<0.5
Bromomethane	ND<0.5		Bromobenzene	ND<0.5
Carbon Tetrachloride	ND<0.5		n-Butylbenzene	ND<0.5
Chloroethane	ND<1.0		sec-Butylbenzene	ND<0.5
Chloromethane	ND<0.5		tert-Butylbenzene	ND<0.5
1,2-Dibromomethane	ND<0.5		Chlorobenzene	ND<0.5
Dibromomethane	ND<0.5		2-Chlorotoluene	ND<0.5
1,2-Dibromo-3-Chloropropane	ND<0.5	S	4-Chlorotoluene	ND<0.5
Dichlorodifluoromethane	ND<0.5		1,2-Dichlorobenzene	ND<0.5
1,1-Dichloroethane	ND<0.5		1,3-Dichlorobenzene	ND<0.5
1,2- Dichloroethane	ND<0.5		1,4-Dichlorobenzene	ND<0.5
1,1-Dichloroethene	ND<0.5		Ethyl Benzene	ND<0.5
cis- 1,2-Dichloroethene	8.0	X	Hexachlorobutadiene	ND<0.5
trans-1,2-Dichloroethene	ND<0.5		Isopropylbenzene	ND<0.5
1,2 - Dichloropropane	ND<0.5		4-Isopropyltoluene	ND<0.5
1,3-Dichloropropane	ND<0.5		Naphthalene	ND<0.5
2,2-Dichloropropane	ND<0.5		n-Propylbenzene	ND<0.5
1,1- Dichloropropene	ND<0.5		Styrene	ND<0.5
cis-1,3-Dichloropropene	ND<0.5		Toluene	ND<0.5
trans-1,3-Dichloropropene	ND<0.5		1,2,3-Trichlorobenzene	ND<0.5
Methylene Chloride	ND<0.5		1,2,4-Trichlorobenzene	ND<0.5
1,1,1,2-Tetrachloroethane	ND<0.5		1,2,4-Trimethylbenzene	ND<0.5
1,1,2,2-Tetrachloroethane	ND<0.5		1,3,5-Trimethylbenzene	ND<0.5
Tetrachloroethene	27.2	X	m,p-Xylene	ND<0.5
1,1,1-Trichloroethane	ND<0.5		o-Xylene	ND<0.5
1,1,2-Trichloroethane	ND<0.5		Methyl-t-Butyl Ether	ND<2.0
Trichloroethene	3.9		Trihalomethanes	
Trichlorofluoromethane	ND<0.5		Bromodichloromethane	ND<0.5
1,2,3-Trichloropropane	ND<0.5		Bromoform	ND<0.5
Vinyl Chloride	ND<0.5	S	Chloroform	ND<0.5
			Dibromochloromethane	ND<0.5

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non Detect.
S denotes Spike Recovery outside accepted recovery limits.
X denotes Value exceeds Maximum Contaminant Level.

Approved By Technical Director: _____

Bruce Hoogesteger

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File ID: Conrad 09-3114

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

Volatile Laboratory Analysis Report
For Water

Client: Conrad Geoscience
Client Job Site: Apple Valley Shopping Center
Client Job No.: AL030071
Field Location: MW-2

Lab Project No.: 09-3114
Lab Sample No.: 9730
Sample Type: Water
Date Sampled: 08/25/09
Date Received: 08/26/09
Date Analyzed: 08/31/09

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	ND<100		Benzene	ND<100
Bromomethane	ND<100		Bromobenzene	ND<100
Carbon Tetrachloride	ND<100		n-Butylbenzene	ND<100
Chloroethane	ND<200		sec-Butylbenzene	ND<100
Chloromethane	ND<100		tert-Butylbenzene	ND<100
1,2-Dibromomethane	ND<100		Chlorobenzene	ND<100
Dibromomethane	ND<100		2-Chlorotoluene	ND<100
1,2-Dibromo-3-Chloropropane	ND<100	S	4-Chlorotoluene	ND<100
Dichlorodifluoromethane	ND<100		1,2-Dichlorobenzene	ND<100
1,1-Dichloroethane	ND<100		1,3-Dichlorobenzene	ND<100
1,2- Dichloroethane	ND<100		1,4-Dichlorobenzene	ND<100
1,1-Dichloroethene	ND<100		Ethyl Benzene	ND<100
cis- 1,2-Dichloroethene	772	X	Hexachlorobutadiene	ND<100
trans-1,2-Dichloroethene	ND<100		Isopropylbenzene	ND<100
1,2 - Dichloropropane	ND<100		4-Isopropyltoluene	ND<100
1,3-Dichloropropane	ND<100		Naphthalene	ND<100
2,2-Dichloropropane	ND<100		n-Propylbenzene	ND<100
1,1- Dichloropropene	ND<100		Styrene	ND<100
cis-1,3-Dichloropropene	ND<100		Toluene	ND<100
trans-1,3-Dichloropropene	ND<100		1,2,3-Trichlorobenzene	ND<100
Methylene Chloride	494	X	1,2,4-Trichlorobenzene	ND<100
1,1,1,2-Tetrachloroethane	ND<100		1,2,4-Trimethylbenzene	ND<100
1,1,2,2-Tetrachloroethane	ND<100		1,3,5-Trimethylbenzene	ND<100
Tetrachloroethene	2630	X	m,p-Xylene	ND<100
1,1,1-Trichloroethane	ND<100		o-Xylene	ND<100
1,1,2-Trichloroethane	ND<100		Methyl-t-Butyl Ether	ND<400
Trichloroethene	440	X	Trihalomethanes	
Trichlorofluoromethane	ND<100		Bromodichloromethane	ND<100
1,2,3-Trichloropropane	ND<100		Bromoform	ND<100
Vinyl Chloride	ND<100	S	Chloroform	ND<100
			Dibromochloromethane	ND<100

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non Detect.
S denotes Spike Recovery outside accepted recovery limits.
X denotes Value exceeds Maximum Contaminant Level.

Approved By Technical Director: _____

Bruce Hoogesteger

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

Conrad Geoscience

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: Paradigm Environmental	COMPANY: Same	LAB PROJECT #: 09-3114 / CLIENT PROJECT #: ALC30071
ADDRESS: 179 Lake Avenue	ADDRESS:	
CITY: Rochester STATE: NY ZIP: 14608	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS): 10-Day
PHONE: 585-647-2530 FAX: -3311	PHONE: FAX:	STD / OTHE: X
PROJECT NAME/SITE NAME: Apple Valley Mapping Corp - LaGrange	ATTN: Jane Dalaia	ATTN: 1 2 3 5
COMMENTS: Please return cooler - send results to skarose@conradgeo.com		QUOTE #: JD110705

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	624.2	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8/25/09	706		X	AVS-EFF	GW	3	X		9724
2		720		X	AV-2	GW	3	X		9725
3		731		X	RW-1	GW	3	X		9726
4		743		X	RW-2	GW	3	X		9727
5		747		X	RW-3	GW	3	X		9728
6	↓	814		X	MW-7	GW	3	X		9729
7		902		X	MW-2	GW	3	X		9730
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type: unknown. all cont. sent. Comments:	Y N
Preservation: directly to sublab by Comments:	Y N
Holding Time: client Comments:	Y N
Temperature: Comments:	Y N

Sampled By — Date/Time: 8-25-09/1247

Relinquished By — Date/Time: 8-25-09/1700

Received By: Elizabeth A. Honch — Date/Time: 8/26/09 1200

Received @ Lab By — Date/Time

Total Cost:

P.I.F.

PARADIGM

ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 09-3537
Issued October 9, 2009
This report contains a total of 5 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

LABORATORY REPORT OF VOLATILE ORGANIC COMPOUNDS IN WATER

Client: Conrad Geoscience
Client Job Site: Alben Residence - LaGrange
Client Job No.: AL030070
Field Location: Alben (Lot 11) - Post

Lab Project No.: 09-3537
Lab Sample No.: 10901
Sample Type: Drinking Water
Date Sampled: 09/29/09
Date Received: 10/01/09
Date Analyzed: 10/02/09

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	ND<0.5		Benzene	ND<0.5	
Bromomethane	ND<0.5		Bromobenzene	ND<0.5	
Carbon Tetrachloride	ND<0.5		n-Butylbenzene	ND<0.5	
Chloroethane	ND<1.0		sec-Butylbenzene	ND<0.5	
Chloromethane	ND<0.5		tert-Butylbenzene	ND<0.5	
1,2-Dibromomethane	ND<0.5		Chlorobenzene	ND<0.5	
Dibromomethane	ND<0.5		2-Chlorotoluene	ND<0.5	
1,2-Dibromo-3-Chloropropane	ND<0.5		4-Chlorotoluene	ND<0.5	
Dichlorodifluoromethane	ND<0.5		1,2-Dichlorobenzene	ND<0.5	
1,1-Dichloroethane	ND<0.5		1,3-Dichlorobenzene	ND<0.5	
1,2- Dichloroethane	ND<0.5		1,4-Dichlorobenzene	ND<0.5	
1,1-Dichloroethene	ND<0.5	S	Ethyl Benzene	ND<0.5	
cis- 1,2-Dichloroethene	ND<0.5		Hexachlorobutadiene	ND<0.5	
trans-1,2-Dichloroethene	ND<0.5		Isopropylbenzene	ND<0.5	
1,2 - Dichloropropane	ND<0.5		4-Isopropyltoluene	ND<0.5	
1,3-Dichloropropane	ND<0.5		Naphthalene	ND<0.5	S
2,2-Dichloropropane	ND<0.5		n-Propylbenzene	ND<0.5	
1,1- Dichloropropene	ND<0.5		Styrene	ND<0.5	
cis-1,3-Dichloropropene	ND<0.5		Toluene	ND<0.5	
trans-1,3-Dichloropropene	ND<0.5		1,2,3-Trichlorobenzene	ND<0.5	
Methylene Chloride	ND<0.5		1,2,4-Trichlorobenzene	ND<0.5	
1,1,1,2-Tetrachloroethane	ND<0.5		1,2,4-Trimethylbenzene	ND<0.5	
1,1,2,2-Tetrachloroethane	ND<0.5		1,3,5-Trimethylbenzene	ND<0.5	
Tetrachloroethene	ND<0.5		m,p-Xylene	ND<0.5	
1,1,1-Trichloroethane	ND<0.5		o-Xylene	ND<0.5	
1,1,2-Trichloroethane	ND<0.5		Methyl-t-Butyl Ether	ND<2.0	
Trichloroethene	ND<0.5		**Trihalomethanes**		
Trichlorofluoromethane	ND<0.5		Bromodichloromethane	ND<0.5	
1,2,3-Trichloropropane	ND<0.5		Bromoform	ND<0.5	
Vinyl Chloride	ND<0.5		Chloroform	ND<0.5	
			Dibromochloromethane	ND<0.5	

EPA Method 524.2 ELAP No.: 10709

Comments: ND denotes Non Detect.
S denotes Spike Recovery outside accepted recovery limits.

Approved By: _____
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

LABORATORY REPORT OF VOLATILE ORGANIC COMPOUNDS IN WATER

Client: Conrad Geoscience
Client Job Site: Alben Residence - LaGrange
Client Job No.: AL030070
Field Location: Alben (Lot 11) - Mid

Lab Project No.: 09-3537
Lab Sample No.: 10902
Sample Type: Drinking Water
Date Sampled: 09/29/09
Date Received: 10/01/09
Date Analyzed: 10/02/09

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	ND<0.5	Benzene	ND<0.5
Bromomethane	ND<0.5	Bromobenzene	ND<0.5
Carbon Tetrachloride	ND<0.5	n-Butylbenzene	ND<0.5
Chloroethane	ND<1.0	sec-Butylbenzene	ND<0.5
Chloromethane	ND<0.5	tert-Butylbenzene	ND<0.5
1,2-Dibromomethane	ND<0.5	Chlorobenzene	ND<0.5
Dibromomethane	ND<0.5	2-Chlorotoluene	ND<0.5
1,2-Dibromo-3-Chloropropane	ND<0.5	4-Chlorotoluene	ND<0.5
Dichlorodifluoromethane	ND<0.5	1,2-Dichlorobenzene	ND<0.5
1,1-Dichloroethane	ND<0.5	1,3-Dichlorobenzene	ND<0.5
1,2- Dichloroethane	ND<0.5	1,4-Dichlorobenzene	ND<0.5
1,1-Dichloroethene	ND<0.5	Ethyl Benzene	ND<0.5
cis- 1,2-Dichloroethene	ND<0.5	Hexachlorobutadiene	ND<0.5
trans-1,2-Dichloroethene	ND<0.5	Isopropylbenzene	ND<0.5
1,2 - Dichloropropane	ND<0.5	4-Isopropyltoluene	ND<0.5
1,3-Dichloropropane	ND<0.5	Naphthalene	ND<0.5
2,2-Dichloropropane	ND<0.5	n-Propylbenzene	ND<0.5
1,1- Dichloropropene	ND<0.5	Styrene	ND<0.5
cis-1,3-Dichloropropene	ND<0.5	Toluene	ND<0.5
trans-1,3-Dichloropropene	ND<0.5	1,2,3-Trichlorobenzene	ND<0.5
Methylene Chloride	ND<0.5	1,2,4-Trichlorobenzene	ND<0.5
1,1,1,2-Tetrachloroethane	ND<0.5	1,2,4-Trimethylbenzene	ND<0.5
1,1,2,2-Tetrachloroethane	ND<0.5	1,3,5-Trimethylbenzene	ND<0.5
Tetrachloroethene	ND<0.5	m,p-Xylene	ND<0.5
1,1,1-Trichloroethane	ND<0.5	o-Xylene	ND<0.5
1,1,2-Trichloroethane	ND<0.5	Methyl-t-Butyl Ether	ND<2.0
Trichloroethene	ND<0.5	**Trihalomethanes**	
Trichlorofluoromethane	ND<0.5	Bromodichloromethane	ND<0.5
1,2,3-Trichloropropane	ND<0.5	Bromoform	ND<0.5
Vinyl Chloride	ND<0.5	Chloroform	ND<0.5
		Dibromochloromethane	ND<0.5

EPA Method 524.2 ELAP No.: 10709

Comments: ND denotes Non Detect.

Approved By: Val McMullin

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt

File ID: Conrad 09-3537

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

LABORATORY REPORT OF VOLATILE ORGANIC COMPOUNDS IN WATER

Client: Conrad Geoscience
Client Job Site: Alben Residence - LaGrange
Client Job No.: AL030070
Field Location: Alben (Lot 11) - Pre

Lab Project No.: 09-3537
Lab Sample No.: 10903
Sample Type: Drinking Water
Date Sampled: 09/29/09
Date Received: 10/01/09
Date Analyzed: 10/02/09

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	ND<0.5	Benzene	ND<0.5
Bromomethane	ND<0.5	Bromobenzene	ND<0.5
Carbon Tetrachloride	ND<0.5	n-Butylbenzene	ND<0.5
Chloroethane	ND<1.0	sec-Butylbenzene	ND<0.5
Chloromethane	0.9	tert-Butylbenzene	ND<0.5
1,2-Dibromomethane	ND<0.5	Chlorobenzene	ND<0.5
Dibromomethane	ND<0.5	2-Chlorotoluene	ND<0.5
1,2-Dibromo-3-Chloropropane	ND<0.5	4-Chlorotoluene	ND<0.5
Dichlorodifluoromethane	ND<0.5	1,2-Dichlorobenzene	ND<0.5
1,1-Dichloroethane	ND<0.5	1,3-Dichlorobenzene	ND<0.5
1,2- Dichloroethane	ND<0.5	1,4-Dichlorobenzene	ND<0.5
1,1-Dichloroethene	ND<0.5	Ethyl Benzene	ND<0.5
cis- 1,2-Dichloroethene	ND<0.5	Hexachlorobutadiene	ND<0.5
trans-1,2-Dichloroethene	ND<0.5	Isopropylbenzene	ND<0.5
1,2 - Dichloropropane	ND<0.5	4-Isopropyltoluene	ND<0.5
1,3-Dichloropropane	ND<0.5	Naphthalene	ND<0.5
2,2-Dichloropropane	ND<0.5	n-Propylbenzene	ND<0.5
1,1- Dichloropropene	ND<0.5	Styrene	ND<0.5
cis-1,3-Dichloropropene	ND<0.5	Toluene	ND<0.5
trans-1,3-Dichloropropene	ND<0.5	1,2,3-Trichlorobenzene	ND<0.5
Methylene Chloride	ND<0.5	1,2,4-Trichlorobenzene	ND<0.5
1,1,1,2-Tetrachloroethane	ND<0.5	1,2,4-Trimethylbenzene	ND<0.5
1,1,2,2-Tetrachloroethane	ND<0.5	1,3,5-Trimethylbenzene	ND<0.5
Tetrachloroethene	1.4	m,p-Xylene	ND<0.5
1,1,1-Trichloroethane	ND<0.5	o-Xylene	ND<0.5
1,1,2-Trichloroethane	ND<0.5	Methyl-t-Butyl Ether	ND<2.0
Trichloroethene	ND<0.5	**Trihalomethanes**	
Trichlorofluoromethane	ND<0.5	Bromodichloromethane	ND<0.5
1,2,3-Trichloropropane	ND<0.5	Bromoform	ND<0.5
Vinyl Chloride	ND<0.5	Chloroform	ND<0.5
		Dibromochloromethane	ND<0.5

EPA Method 524.2 ELAP No.: 10709

Comments: ND denotes Non Detect.

Approved By: Val Mulhe for-
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt

File ID: Conrad 09-3537

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

Conrad Geoscience

CHAIN OF CUSTODY

REPORT TO:
COMPANY: Paradigm Environmental
ADDRESS: 179 Lake Avenue
CITY: Poughkeepsie STATE: NY ZIP: 12601
PHONE: 585-647-2530 FAX: -3311
ATTN: Jane Dalora
COMMENTS: Please return cooler

INVOICE TO:
COMPANY: SAME
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 09-3537
CLIENT PROJECT #: ALO3070
TURNAROUND TIME: (WORKING DAYS) 10-DAY
STD ☐ OTHER ☒ (1 ☐ 2 ☐ 3 ☐ 5 ☐)
QUOTE #: JD110705

PROJECT NAME/SITE NAME: Allen residence – LaGrange

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	624.2	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	9/29/09	845		X	Allen (Lot 11) – Post	DW	3	X		10901
2	↓	847		X	Allen (Lot 11) – Mid	DW	3	X		10902
3	↓	855		X	Allen (Lot 11) – Pre	DW	3	X		10903
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type: unknown – cont. sent directly to sub. Comments:	Y ☐ N ☐
Preservation: Comments:	Y ☐ N ☐
Holding Time: lab by Client Comments:	Y ☐ N ☐
Temperature: Comments:	Y ☐ N ☐

Sampled By: 9-29-09/853 Date/Time
Relinquished By: 9-29-09/1700 Date/Time
Received By: Date/Time
Received @ Lab By: Elizabeth A. Honcia 9/29/09 1345 Date/Time

Total Cost:
P.I.F.

Chain Receipt date – samples sent directly to Adirondack by client

SEP/29/2009/TUE 01:01 PM Conrad Geoscience FAX No. 845 454 2655 P. 002

10/10/09 mc

PARADIGM

ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 09-2988
Issued September 1, 2009
This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

Volatile Laboratory Analysis Report
For Potable Water

Client: Conrad Geoscience
Client Job Site: Lipka Residence, LaGrange, NY
Client Job No.: AL030070
Field Location: Lipka

Lab Project No.: 09-2988
Lab Sample No.: 9484
Sample Type: Drinking Water
Date Sampled: 08/17/09
Date Received: 08/18/09
Date Analyzed: 08/19/09

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	ND<0.5	Benzene	ND<0.5
Bromomethane	ND<0.5	Bromobenzene	ND<0.5
Carbon Tetrachloride	ND<0.5	n-Butylbenzene	ND<0.5
Chloroethane	ND<1.0	sec-Butylbenzene	ND<0.5
Chloromethane	ND<0.5	tert-Butylbenzene	ND<0.5
1,2-Dibromomethane	ND<0.5	Chlorobenzene	ND<0.5
Dibromomethane	ND<0.5	2-Chlorotoluene	ND<0.5
1,2-Dibromo-3-Chloropropane	ND<0.5	4-Chlorotoluene	ND<0.5
Dichlorodifluoromethane	ND<0.5	1,2-Dichlorobenzene	ND<0.5
1,1-Dichloroethane	ND<0.5	1,3-Dichlorobenzene	ND<0.5
1,2- Dichloroethane	ND<0.5	1,4-Dichlorobenzene	ND<0.5
1,1-Dichloroethene	ND<0.5	Ethyl Benzene	ND<0.5
cis- 1,2-Dichloroethene	1.1	Hexachlorobutadiene	ND<0.5
trans-1,2-Dichloroethene	ND<0.5	Isopropylbenzene	ND<0.5
1,2 - Dichloropropane	ND<0.5	4-Isopropyltoluene	ND<0.5
1,3-Dichloropropane	ND<0.5	Naphthalene	ND<0.5
2,2-Dichloropropane	ND<0.5	n-Propylbenzene	ND<0.5
1,1- Dichloropropene	ND<0.5	Styrene	ND<0.5
cis-1,3-Dichloropropene	ND<0.5	Toluene	ND<0.5
trans-1,3-Dichloropropene	ND<0.5	1,2,3-Trichlorobenzene	ND<0.5
Methylene Chloride	ND<0.5	1,2,4-Trichlorobenzene	ND<0.5
1,1,1,2-Tetrachloroethane	ND<0.5	1,2,4-Trimethylbenzene	ND<0.5
1,1,2,2-Tetrachloroethane	ND<0.5	1,3,5-Trimethylbenzene	ND<0.5
Tetrachloroethene	3.7	m,p-Xylene	ND<0.5
1,1,1-Trichloroethane	ND<0.5	o-Xylene	ND<0.5
1,1,2-Trichloroethane	ND<0.5	Methyl-t-Butyl Ether	ND<2.0
Trichloroethene	0.8	Trihalomethanes	
Trichlorofluoromethane	ND<0.5	Bromodichloromethane	ND<0.5
1,2,3-Trichloropropane	ND<0.5	Bromoform	ND<0.5
Vinyl Chloride	ND<0.5	Chloroform	ND<0.5
		Dibromochloromethane	ND<0.5

EPA Method 524.2
NYS ELAP No.: 10709

Comments: ND denotes Non Detect.

Approved By Technical Director: _____
Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt

File ID: Conrad 09-2988

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

Conrad Geoscience

CHAIN OF CUSTODY

REPORT TO	INVOICE TO	
COMPANY: Paradigm Environmental	COMPANY:	LAB PROJECT #: 09-2988 / CLIENT PROJECT #: AL030070
ADDRESS: 179 Lake Avenue	ADDRESS:	
CITY: Rochester STATE: NY ZIP: 14608	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS) 10-Day
PHONE: 585-647-2530 FAX: -3311	PHONE: FAX:	STD / OTHER
PROJECT NAME/SITE NAME: Lipka residence - LaGrange, NY	ATTN: Jane Daloia	ATTN: 1 2 3 5 X
	COMMENTS: Please return core	QUOTE #: JD110705

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	524.2										REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8/17/09	745		X	Lipka	DW	3	X											9484
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type: Comments: cont. sent directly to sub lab by client	Y ~~X~~ ee EAH 8/17 N
Preservation: Comments:	Y N
Holding Time: Comments:	Y N
Temperature: Comments:	Y N

Sampled By: 8-17-09 / 745 — Date/Time

Relinquished By: 8-17-09 / 1700 — Date/Time

Received By: Elizabeth A. Honck 8/17/09 1105 — Date/Time

Received @ Lab By — Date/Time

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 09-2979
Issued August 21, 2009
This report contains a total of 4 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Conrad Geoscience

Client Job Site: AVSC - Lagrange
Client Job Number: AL030070
Field Location: FT-1
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 09-2979
Lab Sample Number: 9459

Date Sampled: 08/13/2009
Date Received: 08/14/2009
Date Analyzed: 08/21/2009

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 10.0
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	ND< 2.00

Aromatics	Results in ug / L
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Styrene	ND< 5.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	ND< 10.0
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958 Method: EPA 8260B Data File: V68198.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: AVSC - Lagrange
Client Job Number: AL030070
Field Location: FT-1
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 09-2979
Lab Sample Number: 9459

Date Sampled: 08/13/2009
Date Received: 08/14/2009
Date Analyzed: 08/21/2009

Aromatics	Results in ug / L	Aromatics	Results in ug / L
n-Butylbenzene	ND< 5.00	1,2,4-Trimethylbenzene	ND< 5.00
sec-Butylbenzene	ND< 5.00	1,3,5-Trimethylbenzene	ND< 5.00
tert-Butylbenzene	ND< 5.00		
n-Propylbenzene	ND< 2.00	**Miscellaneous**	
Isopropylbenzene	ND< 5.00	Methyl tert-butyl Ether	ND< 2.00
p-Isopropyltoluene	ND< 5.00		
Naphthalene	ND< 5.00		

ELAP Number 10958 Method: EPA 8260B Data File: V68198.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: Conrad GeoScience	COMPANY: SAME	LAB PROJECT #: 09-2979 / CLIENT PROJECT #: AL030070
ADDRESS: One Civic Center Plaza Suite 501	ADDRESS:	
CITY: Poughkeepsie STATE: NY ZIP: 12601	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: 845.454.2544 FAX: 454.2655	PHONE: FAX:	STD ☒ 5 / OTHER ☐
PROJECT NAME/SITE NAME: AVSC-Lagrange	ATTN: Chris Brown	ATTN: Sara Goodwin
	COMMENTS:	QUOTE #:

REQUESTED ANALYSIS: 8260 EPA

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
8/13/09	1440		X	FT-1	GW	2	TCL + ★ List per Tara at Conrad, 8/14. EAH 8/14	9459
2								
3								
4								
5								
6								
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☐	N ☒
Comments: 9°C iced		

Sampled By — Date/Time: 1440 8-13-09

Relinquished By — Date/Time: 1700 8-13-09

Received By — Date/Time:

Received @ Lab By: Elizabeth A. Honch — Date/Time: 8/14/09 1455

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 09-2501
Issued July 22, 2009
This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

Volatile Laboratory Analysis Report
For Water

Client: Conrad Geoscience
Client Job Site: Apple Valley Shopping Center LaGrange, NY
Client Job No.: AL030070
Field Location: AVS-EFF

Lab Project No.: 09-2501
Lab Sample No.: 7951
Sample Type: Water
Date Sampled: 07/13/09
Date Received: 07/14/09
Date Analyzed: 07/16/09

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	ND<0.5		Benzene	ND<0.5	
Bromomethane	ND<0.5		Bromobenzene	ND<0.5	
Carbon Tetrachloride	ND<0.5		n-Butylbenzene	ND<0.5	
Chloroethane	ND<1.0		sec-Butylbenzene	ND<0.5	
Chloromethane	ND<0.5	S	tert-Butylbenzene	ND<0.5	
1,2-Dibromomethane	ND<0.5		Chlorobenzene	ND<0.5	
Dibromomethane	ND<0.5		2-Chlorotoluene	ND<0.5	
1,2-Dibromo-3-Chloropropane	ND<0.5		4-Chlorotoluene	ND<0.5	
Dichlorodifluoromethane	ND<0.5		1,2-Dichlorobenzene	ND<0.5	
1,1-Dichloroethane	ND<0.5		1,3-Dichlorobenzene	ND<0.5	
1,2- Dichloroethane	ND<0.5		1,4-Dichlorobenzene	ND<0.5	
1,1-Dichloroethene	ND<0.5		Ethyl Benzene	ND<0.5	
cis- 1,2-Dichloroethene	ND<0.5		Hexachlorobutadiene	ND<0.5	S
trans-1,2-Dichloroethene	ND<0.5		Isopropylbenzene	ND<0.5	
1,2 - Dichloropropane	ND<0.5		4-Isopropyltoluene	ND<0.5	
1,3-Dichloropropane	ND<0.5		Naphthalene	ND<0.5	
2,2-Dichloropropane	ND<0.5	S	n-Propylbenzene	ND<0.5	
1,1- Dichloropropene	ND<0.5		Styrene	ND<0.5	
cis-1,3-Dichloropropene	ND<0.5		Toluene	ND<0.5	
trans-1,3-Dichloropropene	ND<0.5		1,2,3-Trichlorobenzene	ND<0.5	
Methylene Chloride	ND<0.5		1,2,4-Trichlorobenzene	ND<0.5	S
1,1,1,2-Tetrachloroethane	ND<0.5		1,2,4-Trimethylbenzene	ND<0.5	
1,1,2,2-Tetrachloroethane	ND<0.5		1,3,5-Trimethylbenzene	ND<0.5	
Tetrachloroethene	2.6		m,p-Xylene	ND<0.5	
1,1,1-Trichloroethane	ND<0.5		o-Xylene	ND<0.5	
1,1,2-Trichloroethane	ND<0.5		Methyl-t-Butyl Ether	ND<2.0	
Trichloroethene	ND<0.5		Trihalomethanes		
Trichlorofluoromethane	ND<0.5		Bromodichloromethane	ND<0.5	
1,2,3-Trichloropropane	ND<0.5		Bromoform	ND<0.5	
Vinyl Chloride	ND<0.5		Chloroform	ND<0.5	
			Dibromochloromethane	ND<0.5	

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non Detect.
S denotes Spike Recovery outside accepted recovery limits.

Approved By Technical Director: Val M Miller for

Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt

File ID: Conrad 09-2501

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO		INVOICE TO	
COMPANY:	Conrad Geoscience	COMPANY:	SAME
ADDRESS:	1 Civic Center Plaza Suite 501	ADDRESS:	
CITY:	Poughkeepsie STATE: NY ZIP: 12601	CITY: STATE: ZIP:	
PHONE:	845-454-3144 FAX: -2655	PHONE: FAX:	
ATTN:	S. LaRose	ATTN:	S. Goodwin
COMMENTS:	Please return coder		

LAB PROJECT #:	CLIENT PROJECT #:
09-2501	AL030070

TURNAROUND TIME: (WORKING DAYS): 10 STD OTHER

☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ 10

QUOTE #: JD110705

PROJECT NAME/SITE NAME: Apple Valley Shopping Center - LaGrange

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	7425										REMARKS	PARADIGM LAB SAMPLE NUMBER
																			7951
1	7/13/09	1120		X	AVS-EFF	GW	3	X										25 EPA 714	~~7591~~
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y [X]	N [ ]
Comments:		
Preservation:	Y [X]	N [ ]
Comments:		
Holding Time:	Y [X]	N [ ]
Comments:		
Temperature:	Y [X]	N [ ]
Comments: 6°C ice		

Sampled By — 7-13-09/1120 — Date/Time

Relinquished By — 7-13-09/1700 — Date/Time

Received By — Date/Time

Elizabeth A. Honch — 7/14/09 1050 — Received @ Lab By — Date/Time

Total Cost:

P.I.F.