CONRAD GEOSCIENCE CORP.
Environmental Scientists
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www.conradgeo.com

LM

November 11, 2010

NOV 15 2010

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 2010 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 2010, 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.

1.0 QUARTERLY GROUNDWATER MONITORING

On August 25, 2010, 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.

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 residents whose supply wells are 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.

[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.

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 (637.2 µg/l); MW-7 (15.2 µg/l); RW-1 (363.9 µg/l); RW-2 (421 µg/l); RW-3 (229.5 µg/l); and AV-2 (18.8 µg/l). The total COC concentration for AVS-EFF was 4.1 µg/l. Based on the mass loading and measured effluent concentrations of the COC, the air stripper was performing at a 97.5% 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 (1.1 µg/l) and Lot 11 (1.2 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 CONCLUSIONS

The August 2010 groundwater data indicates the total COC concentrations in Recovery Wells RW-1, RW-2, RW-3, and AV-2 have been substantially reduced since the system was first placed into operation in 2006. Total COC concentrations in Monitoring Well MW-2 and Recovery Well RW-3 were lower than any previous results recorded since sampling began in 2006. Total COC concentrations in Monitoring Well RW-2 were lower than any previous results recorded since sampling began in 2006, with the exception of August 2007. Total COC concentrations in Recovery Well RW-1 are an order of magnitude lower than initial sampling in 2006, and total COC concentrations in Recovery Well AV-2 are more than two orders of magnitude lower than initial sampling.

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. Extraction wells continue to remove significant amounts of COC from groundwater and the extraction and treatment system continues to remove VOCs at a high removal efficiency.

The next round of quarterly groundwater monitoring is scheduled for November 2010. The next round of residential supply well monitoring is scheduled for February 2011.

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

Sincerely,

CONRAD GEOSCIENCE CORP.

John A. Conrad

John A. Conrad
Senior Hydrogeologist

JAC/tla

attachments

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

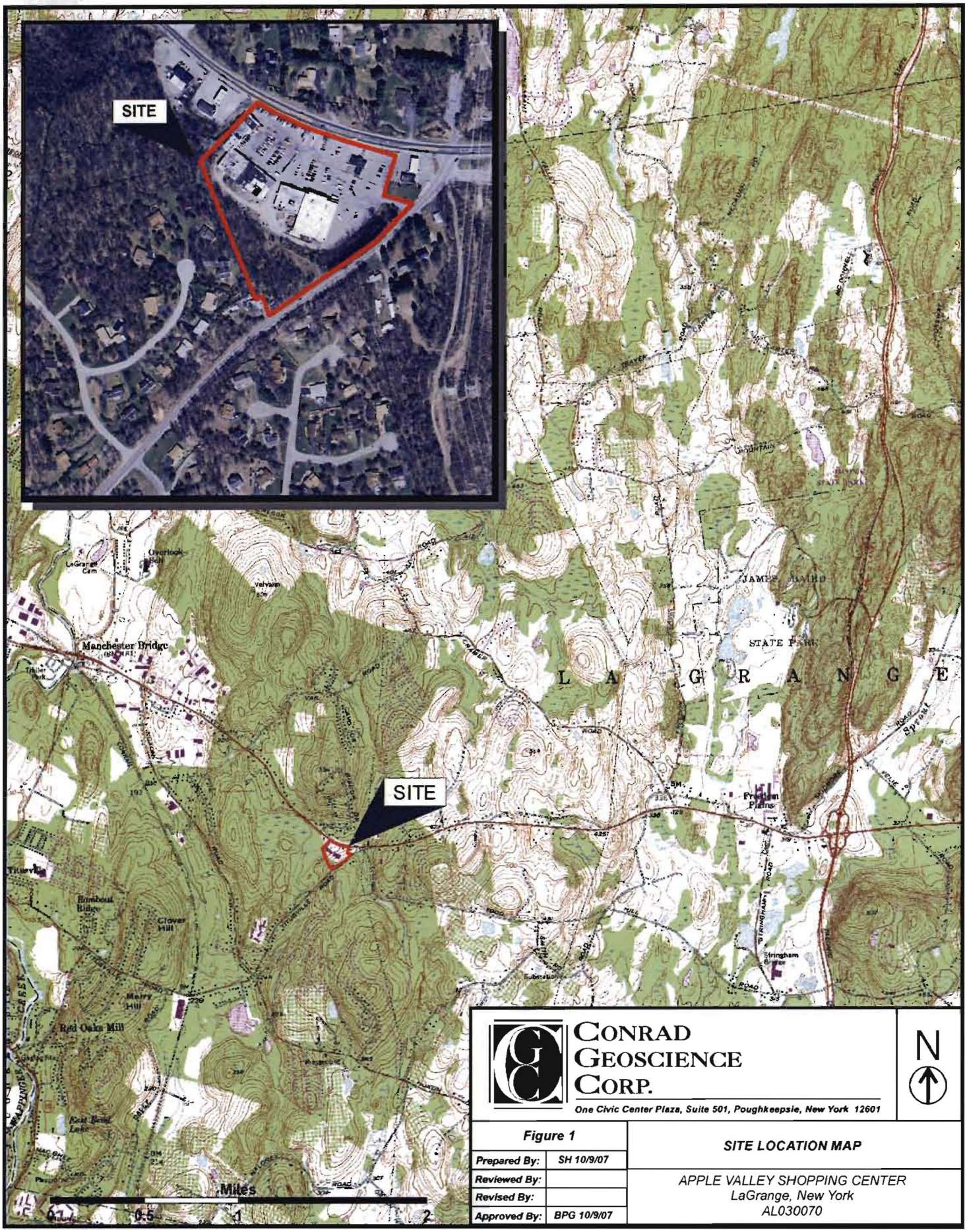

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Figure 1		SITE LOCATION MAP
Prepared By:	SH 10/9/07	APPLE VALLEY SHOPPING CENTER LaGrange, New York AL030070
Reviewed By:		
Revised By:		
Approved By:	BPG 10/9/07	

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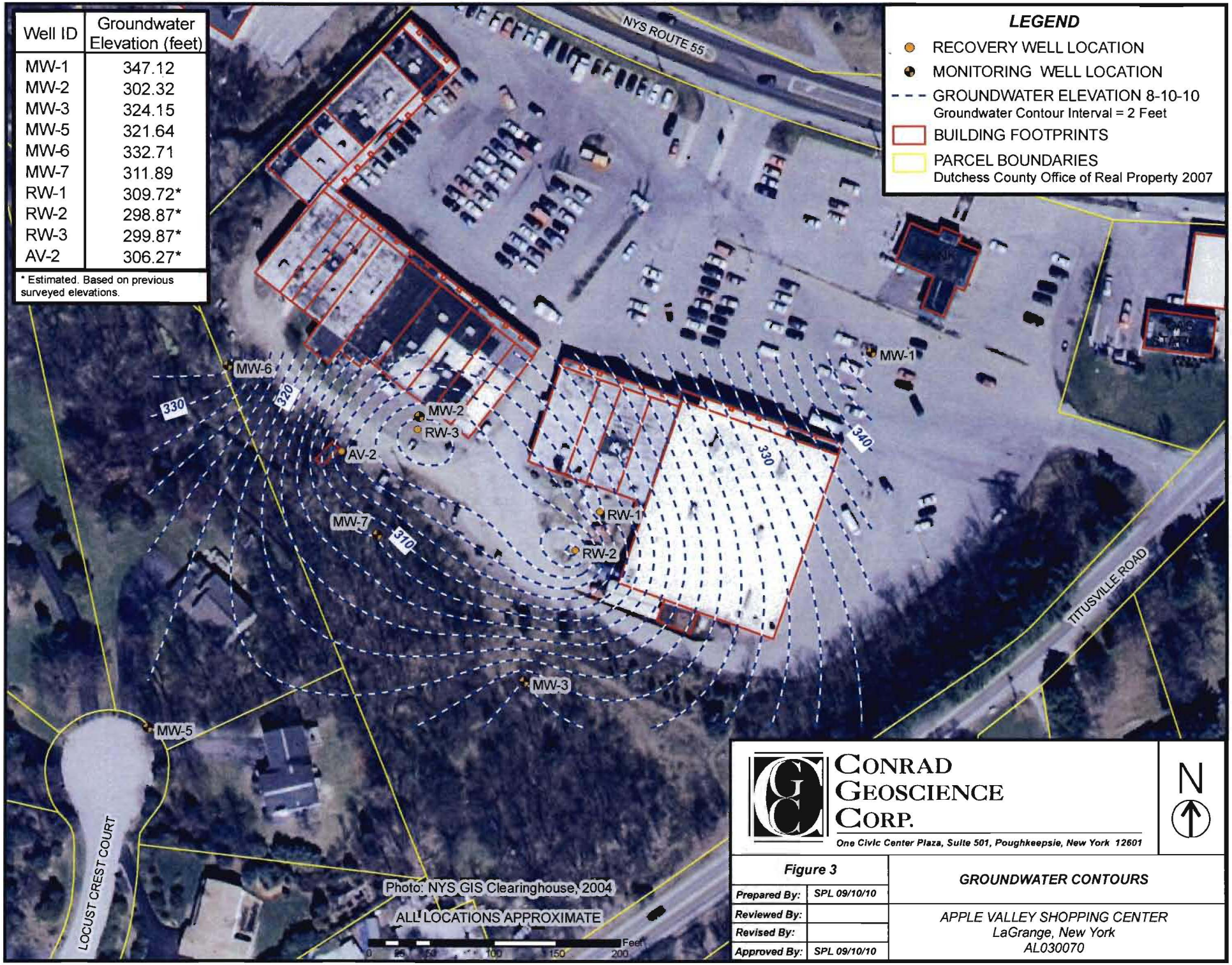
Figure 2		SELECTED SITE FEATURES MAP
Prepared By:	SH 10/9/07	
Reviewed By:		APPLE VALLEY SHOPPING CENTER LaGrange, New York AL030070
Revised By:	SPL 5/11/09	
Approved By:	SPL 5/1//09	



Well ID	Groundwater Elevation (feet)
MW-1	347.12
MW-2	302.32
MW-3	324.15
MW-5	321.64
MW-6	332.71
MW-7	311.89
RW-1	309.72*
RW-2	298.87*
RW-3	299.87*
AV-2	306.27*

* Estimated. Based on previous surveyed elevations.

LEGEND

- RECOVERY WELL LOCATION
- MONITORING WELL LOCATION
- GROUNDWATER ELEVATION 8-10-10
  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 09/10/10	
Reviewed By:		APPLE VALLEY SHOPPING CENTER LaGrange, New York AL030070
Revised By:		
Approved By:	SPL 09/10/10	

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	

Table 1. **Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples;**
USEPA Method 524.2; collected **January 2006 through August 2010;**
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
	12-8-09	**264**	**11.4**	ND<5	ND<5	275.4
	2-17-10	**271**	**7.1**	3.2	ND<0.5	281.3
	5-27-10	**93.7**	**5.7**	ND<5	ND<5 M	99.4
	8-25-10	**310**	**26.5**	**27.4**	ND<5.0	363.9

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 2010;**
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-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
	12-8-09	**861**	ND<25	ND<25	ND<25	861
	2-17-10	**1,070**	ND<50	ND<50	ND<50	1,070
	5-27-10	**1,000**	ND<50	ND<50	ND<50	1,000
	8-25-10	**421**	ND<10	ND<10	ND<10	421

Notes:
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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 2010;**
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
	12-8-09	**763**	**83.8**	**78.2**	ND<10	925
	2-17-10	**1,770**	**172**	**182**	ND<50	2,124
	5-27-10	**521**	**57.0**	**87.5**	ND<25 M	665.5
	8-25-10	**180**	**18.6**	**30.9**	ND<5.0	229.5

Notes.
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Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards,
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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 2010;**
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
	12-8-09	**40.3**	**5.2**	**5.8**	ND<1	51.3
	2-17-10	**59.4**	**7.4**	**8.8**	ND<0.5	75.6
	5-27-10	**17.2**	2.8	4.1	ND<0.5 M	24.1
	8-25-10	**14.8**	2.1	1.9	ND<0.5	18.8

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 2010;**
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
	12-30-09	4.3	0.5	1.1	ND<0.5	5.9
	2-17-10	3.6	ND<0.5	0.8	ND<0.5	4.4
	5-27-10	4.1	ND<0.5	0.6	ND<0.5	4.7
	8-25-10	3.5	ND<0.5	0.6	ND<0.5	4.1

Notes
1 - Standards are for groundwater according to 6NYCRR Part 700-705, Class GA Groundwater Standards.
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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,
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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 2010;**
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
	8-25-10	**468**	**63.2**	**106**	ND<10	637.2
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 2010;**
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
	8-25-10	**9.9**	2.7	2.6	ND<0.5	15.2

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;
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 2010;** 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 (Lipka)	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
	2-4-10	2.3	ND<0.5	ND<0.5	ND<0.5	2.3
	8-4-10	1.1	ND<0.5	ND<0.5	ND<0.5	1.1
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 2010;** 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 2010;** 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 (Alben)	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
	2-24-10	1.2	ND<0.5	ND<0.5	ND<0.5	1.2
	8-5-10	1.2	ND<0.5	ND<0.5	ND<0.5	1.2
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.

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Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 10-3508
Issued September 7, 2010
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.
"Z" = See case narrative.
"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 PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 10-3508
Lab Sample No.: 11424
Sample Type: Water
Date Sampled: 08/25/10
Date Received: 08/26/10
Date Analyzed: 08/27/10

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	< 10		Benzene	< 10
Bromomethane	< 10		Bromobenzene	< 10
Carbon Tetrachloride	< 10		n-Butylbenzene	< 10
Chloroethane	< 20		sec-Butylbenzene	< 10
Chloromethane	< 10		tert-Butylbenzene	< 10
1,2-Dibromomethane	< 10		Chlorobenzene	< 10
Dibromomethane	< 10		2-Chlorotoluene	< 10
1,2-Dibromo-3-Chloropropane	< 10		4-Chlorotoluene	< 10
Dichlorodifluoromethane	< 10		1,2-Dichlorobenzene	< 10
1,1-Dichloroethane	< 10		1,3-Dichlorobenzene	< 10
1,2- Dichloroethane	< 10		1,4-Dichlorobenzene	< 10
1,1-Dichloroethene	< 10		Ethyl Benzene	< 10
cis- 1,2-Dichloroethene	106	X	Hexachlorobutadiene	< 10
trans-1,2-Dichloroethene	< 10		Isopropylbenzene	< 10
1,2 - Dichloropropane	< 10		4-Isopropyltoluene	< 10
1,3-Dichloropropane	< 10		Naphthalene	< 10
2,2-Dichloropropane	< 10		n-Propylbenzene	< 10
1,1- Dichloropropene	< 10		Styrene	< 10
cis-1,3-Dichloropropene	< 10		Toluene	< 10
trans-1,3-Dichloropropene	< 10		1,2,3-Trichlorobenzene	< 10
Methylene Chloride	20.8	X	1,2,4-Trichlorobenzene	< 10
1,1,1,2-Tetrachloroethane	< 10		1,2,4-Trimethylbenzene	< 10
1,1,2,2-Tetrachloroethane	< 10		1,3,5-Trimethylbenzene	< 10
Tetrachloroethene	468	X	m,p-Xylene	< 10
1,1,1-Trichloroethane	< 10		o-Xylene	< 10
1,1,2-Trichloroethane	< 10		Methyl-t-Butyl Ether	< 40
Trichloroethene	63.2	X	**Trihalomethanes**	
Trichlorofluoromethane	< 10		Bromodichloromethane	< 10
1,2,3-Trichloropropane	< 10		Bromoform	< 10
Vinyl Chloride	< 10		Chloroform	< 10
			Dibromochloromethane	< 10

EPA Method 524.2 ELAP No.: 10709

Comments: X denotes value exceeds Maximum Contaminant Level.

Approved By: _____

Bruce Hodgesteger, 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 PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 10-3508
Lab Sample No.: 11425
Sample Type: Water
Date Sampled: 08/25/10
Date Received: 08/26/10
Date Analyzed: 08/27/10

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	< 0.5		Benzene	< 0.5
Bromomethane	< 0.5		Bromobenzene	< 0.5
Carbon Tetrachloride	< 0.5		n-Butylbenzene	< 0.5
Chloroethane	< 1.0		sec-Butylbenzene	< 0.5
Chloromethane	< 0.5		tert-Butylbenzene	< 0.5
1,2-Dibromomethane	< 0.5		Chlorobenzene	< 0.5
Dibromomethane	< 0.5		2-Chlorotoluene	< 0.5
1,2-Dibromo-3-Chloropropane	< 0.5		4-Chlorotoluene	< 0.5
Dichlorodifluoromethane	< 0.5		1,2-Dichlorobenzene	< 0.5
1,1-Dichloroethane	< 0.5		1,3-Dichlorobenzene	< 0.5
1,2- Dichloroethane	< 0.5		1,4-Dichlorobenzene	< 0.5
1,1-Dichloroethene	< 0.5		Ethyl Benzene	< 0.5
cis- 1,2-Dichloroethene	2.6		Hexachlorobutadiene	< 0.5
trans-1,2-Dichloroethene	< 0.5		Isopropylbenzene	< 0.5
1,2 - Dichloropropane	< 0.5		4-Isopropyltoluene	< 0.5
1,3-Dichloropropane	< 0.5		Naphthalene	< 0.5
2,2-Dichloropropane	< 0.5		n-Propylbenzene	< 0.5
1,1- Dichloropropene	< 0.5		Styrene	< 0.5
cis-1,3-Dichloropropene	< 0.5		Toluene	< 0.5
trans-1,3-Dichloropropene	< 0.5		1,2,3-Trichlorobenzene	< 0.5
Methylene Chloride	< 0.5		1,2,4-Trichlorobenzene	< 0.5
1,1,1,2-Tetrachloroethane	< 0.5		1,2,4-Trimethylbenzene	< 0.5
1,1,2,2-Tetrachloroethane	< 0.5		1,3,5-Trimethylbenzene	< 0.5
Tetrachloroethene	9.9	X	m,p-Xylene	< 0.5
1,1,1-Trichloroethane	< 0.5		o-Xylene	< 0.5
1,1,2-Trichloroethane	< 0.5		Methyl-t-Butyl Ether	< 2.0
Trichloroethene	2.7		**Trihalomethanes**	
Trichlorofluoromethane	< 0.5		Bromodichloromethane	< 0.5
1,2,3-Trichloropropane	< 0.5		Bromoform	< 0.5
Vinyl Chloride	< 0.5		Chloroform	< 0.5
			Dibromochloromethane	< 0.5

EPA Method 524.2 ELAP No.: 10709

Comments: X denotes value exceeds Maximum Contaminant Level.

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 PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 10-3508
Lab Sample No.: 11426
Sample Type: Water
Date Sampled: 08/25/10
Date Received: 08/26/10
Date Analyzed: 08/27/10

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	< 0.5	Benzene	< 0.5
Bromomethane	< 0.5	Bromobenzene	< 0.5
Carbon Tetrachloride	< 0.5	n-Butylbenzene	< 0.5
Chloroethane	< 1.0	sec-Butylbenzene	< 0.5
Chloromethane	< 0.5	tert-Butylbenzene	< 0.5
1,2-Dibromomethane	< 0.5	Chlorobenzene	< 0.5
Dibromomethane	< 0.5	2-Chlorotoluene	< 0.5
1,2-Dibromo-3-Chloropropane	< 0.5	4-Chlorotoluene	< 0.5
Dichlorodifluoromethane	< 0.5	1,2-Dichlorobenzene	< 0.5
1,1-Dichloroethane	< 0.5	1,3-Dichlorobenzene	< 0.5
1,2- Dichloroethane	< 0.5	1,4-Dichlorobenzene	< 0.5
1,1-Dichloroethene	< 0.5	Ethyl Benzene	< 0.5
cis- 1,2-Dichloroethene	0.6	Hexachlorobutadiene	< 0.5
trans-1,2-Dichloroethene	< 0.5	Isopropylbenzene	< 0.5
1,2 - Dichloropropane	< 0.5	4-Isopropyltoluene	< 0.5
1,3-Dichloropropane	< 0.5	Naphthalene	< 0.5
2,2-Dichloropropane	< 0.5	n-Propylbenzene	< 0.5
1,1- Dichloropropene	< 0.5	Styrene	< 0.5
cis-1,3-Dichloropropene	< 0.5	Toluene	< 0.5
trans-1,3-Dichloropropene	< 0.5	1,2,3-Trichlorobenzene	< 0.5
Methylene Chloride	< 0.5	1,2,4-Trichlorobenzene	< 0.5
1,1,1,2-Tetrachloroethane	< 0.5	1,2,4-Trimethylbenzene	< 0.5
1,1,2,2-Tetrachloroethane	< 0.5	1,3,5-Trimethylbenzene	< 0.5
Tetrachloroethene	3.5	m,p-Xylene	< 0.5
1,1,1-Trichloroethane	< 0.5	o-Xylene	< 0.5
1,1,2-Trichloroethane	< 0.5	Methyl-t-Butyl Ether	< 2.0
Trichloroethene	< 0.5	**Trihalomethanes**	
Trichlorofluoromethane	< 0.5	Bromodichloromethane	< 0.5
1,2,3-Trichloropropane	< 0.5	Bromoform	< 0.5
Vinyl Chloride	< 0.5	Chloroform	< 0.5
		Dibromochloromethane	< 0.5

EPA Method 524.2 ELAP No.: 10709

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 10-3508
Lab Sample No.: 11427
Sample Type: Water
Date Sampled: 08/25/10
Date Received: 08/26/10
Date Analyzed: 08/27/10

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	< 0.5		Benzene	< 0.5
Bromomethane	< 0.5		Bromobenzene	< 0.5
Carbon Tetrachloride	< 0.5		n-Butylbenzene	< 0.5
Chloroethane	< 1.0		sec-Butylbenzene	< 0.5
Chloromethane	< 0.5		tert-Butylbenzene	< 0.5
1,2-Dibromomethane	< 0.5		Chlorobenzene	< 0.5
Dibromomethane	< 0.5		2-Chlorotoluene	< 0.5
1,2-Dibromo-3-Chloropropane	< 0.5		4-Chlorotoluene	< 0.5
Dichlorodifluoromethane	< 0.5		1,2-Dichlorobenzene	< 0.5
1,1-Dichloroethane	< 0.5		1,3-Dichlorobenzene	< 0.5
1,2- Dichloroethane	< 0.5		1,4-Dichlorobenzene	< 0.5
1,1-Dichloroethene	< 0.5		Ethyl Benzene	< 0.5
cis- 1,2-Dichloroethene	1.9		Hexachlorobutadiene	< 0.5
trans-1,2-Dichloroethene	< 0.5		Isopropylbenzene	< 0.5
1,2 - Dichloropropane	< 0.5		4-Isopropyltoluene	< 0.5
1,3-Dichloropropane	< 0.5		Naphthalene	< 0.5
2,2-Dichloropropane	< 0.5		n-Propylbenzene	< 0.5
1,1- Dichloropropene	< 0.5		Styrene	< 0.5
cis-1,3-Dichloropropene	< 0.5		Toluene	< 0.5
trans-1,3-Dichloropropene	< 0.5		1,2,3-Trichlorobenzene	< 0.5
Methylene Chloride	< 0.5		1,2,4-Trichlorobenzene	< 0.5
1,1,1,2-Tetrachloroethane	< 0.5		1,2,4-Trimethylbenzene	< 0.5
1,1,2,2-Tetrachloroethane	< 0.5		1,3,5-Trimethylbenzene	< 0.5
Tetrachloroethene	14.8	X	m,p-Xylene	< 0.5
1,1,1-Trichloroethane	< 0.5		o-Xylene	< 0.5
1,1,2-Trichloroethane	< 0.5		Methyl-t-Butyl Ether	< 2.0
Trichloroethene	2.1		**Trihalomethanes**	
Trichlorofluoromethane	< 0.5		Bromodichloromethane	< 0.5
1,2,3-Trichloropropane	< 0.5		Bromoform	< 0.5
Vinyl Chloride	< 0.5		Chloroform	< 0.5
			Dibromochloromethane	< 0.5

EPA Method 524.2 ELAP No.: 10709

Comments: X denotes value exceeds Maximum Contaminant Level.

Approved By: _____

Bruce Hoogesteger, Technical Director

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 10-3508
Lab Sample No.: 11428
Sample Type: Water
Date Sampled: 08/25/10
Date Received: 08/26/10
Date Analyzed: 08/27/10

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	< 5.0		Benzene	< 5.0
Bromomethane	< 5.0		Bromobenzene	< 5.0
Carbon Tetrachloride	< 5.0		n-Butylbenzene	< 5.0
Chloroethane	< 10		sec-Butylbenzene	< 5.0
Chloromethane	< 5.0		tert-Butylbenzene	< 5.0
1,2-Dibromomethane	< 5.0		Chlorobenzene	< 5.0
Dibromomethane	< 5.0		2-Chlorotoluene	< 5.0
1,2-Dibromo-3-Chloropropane	< 5.0		4-Chlorotoluene	< 5.0
Dichlorodifluoromethane	< 5.0		1,2-Dichlorobenzene	< 5.0
1,1-Dichloroethane	< 5.0		1,3-Dichlorobenzene	< 5.0
1,2- Dichloroethane	< 5.0		1,4-Dichlorobenzene	< 5.0
1,1-Dichloroethene	< 5.0		Ethyl Benzene	< 5.0
cis- 1,2-Dichloroethene	27.4	X	Hexachlorobutadiene	< 5.0
trans-1,2-Dichloroethene	< 5.0		Isopropylbenzene	< 5.0
1,2 - Dichloropropane	< 5.0		4-Isopropyltoluene	< 5.0
1,3-Dichloropropane	< 5.0		Naphthalene	< 5.0
2,2-Dichloropropane	< 5.0		n-Propylbenzene	< 5.0
1,1- Dichloropropene	< 5.0		Styrene	< 5.0
cis-1,3-Dichloropropene	< 5.0		Toluene	< 5.0
trans-1,3-Dichloropropene	< 5.0		1,2,3-Trichlorobenzene	< 5.0
Methylene Chloride	10.7	X	1,2,4-Trichlorobenzene	< 5.0
1,1,1,2-Tetrachloroethane	< 5.0		1,2,4-Trimethylbenzene	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0		1,3,5-Trimethylbenzene	< 5.0
Tetrachloroethene	310	X	m,p-Xylene	< 5.0
1,1,1-Trichloroethane	< 5.0		o-Xylene	< 5.0
1,1,2-Trichloroethane	< 5.0		Methyl-t-Butyl Ether	< 20
Trichloroethene	26.5	X	**Trihalomethanes**	
Trichlorofluoromethane	< 5.0		Bromodichloromethane	< 5.0
1,2,3-Trichloropropane	< 5.0		Bromoform	< 5.0
Vinyl Chloride	< 5.0		Chloroform	< 5.0
			Dibromochloromethane	< 5.0

EPA Method 524.2 ELAP No.: 10709

Comments: X denotes value exceeds Maximum Contaminant Level.

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

File ID: Conrad 10-3508

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 10-3508
Lab Sample No.: 11429
Sample Type: Water
Date Sampled: 08/25/10
Date Received: 08/26/10
Date Analyzed: 08/27/10

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	< 10		Benzene	< 10
Bromomethane	< 10		Bromobenzene	< 10
Carbon Tetrachloride	< 10		n-Butylbenzene	< 10
Chloroethane	< 20		sec-Butylbenzene	< 10
Chloromethane	< 10		tert-Butylbenzene	< 10
1,2-Dibromomethane	< 10		Chlorobenzene	< 10
Dibromomethane	< 10		2-Chlorotoluene	< 10
1,2-Dibromo-3-Chloropropane	< 10		4-Chlorotoluene	< 10
Dichlorodifluoromethane	< 10		1,2-Dichlorobenzene	< 10
1,1-Dichloroethane	< 10		1,3-Dichlorobenzene	< 10
1,2- Dichloroethane	< 10		1,4-Dichlorobenzene	< 10
1,1-Dichloroethene	< 10		Ethyl Benzene	< 10
cis- 1,2-Dichloroethene	< 10		Hexachlorobutadiene	< 10
trans-1,2-Dichloroethene	< 10		Isopropylbenzene	< 10
1,2 - Dichloropropane	< 10		4-Isopropyltoluene	< 10
1,3-Dichloropropane	< 10		Naphthalene	< 10
2,2-Dichloropropane	< 10		n-Propylbenzene	< 10
1,1- Dichloropropene	< 10		Styrene	< 10
cis-1,3-Dichloropropene	< 10		Toluene	< 10
trans-1,3-Dichloropropene	< 10		1,2,3-Trichlorobenzene	< 10
Methylene Chloride	27.2	X	1,2,4-Trichlorobenzene	< 10
1,1,1,2-Tetrachloroethane	< 10		1,2,4-Trimethylbenzene	< 10
1,1,2,2-Tetrachloroethane	< 10		1,3,5-Trimethylbenzene	< 10
Tetrachloroethene	421	X	m,p-Xylene	< 10
1,1,1-Trichloroethane	< 10		o-Xylene	< 10
1,1,2-Trichloroethane	< 10		Methyl-t-Butyl Ether	< 40
Trichloroethene	< 10		**Trihalomethanes**	
Trichlorofluoromethane	< 10		Bromodichloromethane	< 10
1,2,3-Trichloropropane	< 10		Bromoform	< 10
Vinyl Chloride	< 10		Chloroform	< 10
			Dibromochloromethane	< 10

EPA Method 524.2 ELAP No.: 10709

Comments: X denotes value exceeds Maximum Contaminant Level.

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

File ID: Conrad 10-3508

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 10-3508
Lab Sample No.: 11430
Sample Type: Water
Date Sampled: 08/25/10
Date Received: 08/26/10
Date Analyzed: 08/27/10

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)
Bromochloromethane	< 5.0		Benzene	< 5.0
Bromomethane	< 5.0		Bromobenzene	< 5.0
Carbon Tetrachloride	< 5.0		n-Butylbenzene	< 5.0
Chloroethane	< 10		sec-Butylbenzene	< 5.0
Chloromethane	< 5.0		tert-Butylbenzene	< 5.0
1,2-Dibromomethane	< 5.0		Chlorobenzene	< 5.0
Dibromomethane	< 5.0		2-Chlorotoluene	< 5.0
1,2-Dibromo-3-Chloropropane	< 5.0		4-Chlorotoluene	< 5.0
Dichlorodifluoromethane	< 5.0		1,2-Dichlorobenzene	< 5.0
1,1-Dichloroethane	< 5.0		1,3-Dichlorobenzene	< 5.0
1,2- Dichloroethane	< 5.0		1,4-Dichlorobenzene	< 5.0
1,1-Dichloroethene	< 5.0		Ethyl Benzene	< 5.0
cis- 1,2-Dichloroethene	30.9	X	Hexachlorobutadiene	< 5.0
trans-1,2-Dichloroethene	< 5.0		Isopropylbenzene	< 5.0
1,2 - Dichloropropane	< 5.0		4-Isopropyltoluene	< 5.0
1,3-Dichloropropane	< 5.0		Naphthalene	< 5.0
2,2-Dichloropropane	< 5.0		n-Propylbenzene	< 5.0
1,1- Dichloropropene	< 5.0		Styrene	< 5.0
cis-1,3-Dichloropropene	< 5.0		Toluene	< 5.0
trans-1,3-Dichloropropene	< 5.0		1,2,3-Trichlorobenzene	< 5.0
Methylene Chloride	5.4	X	1,2,4-Trichlorobenzene	< 5.0
1,1,1,2-Tetrachloroethane	< 5.0		1,2,4-Trimethylbenzene	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0		1,3,5-Trimethylbenzene	< 5.0
Tetrachloroethene	180	X	m,p-Xylene	< 5.0
1,1,1-Trichloroethane	< 5.0		o-Xylene	< 5.0
1,1,2-Trichloroethane	< 5.0		Methyl-t-Butyl Ether	< 20
Trichloroethene	18.6	X	**Trihalomethanes**	
Trichlorofluoromethane	< 5.0		Bromodichloromethane	< 5.0
1,2,3-Trichloropropane	< 5.0		Bromoform	< 5.0
Vinyl Chloride	< 5.0		Chloroform	< 5.0
			Dibromochloromethane	< 5.0

EPA Method 524.2 ELAP No.: 10709

Comments: X denotes value exceeds Maximum Contaminant Level.

Approved By: _____

Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Client: Conrad Geoscience

CHAIN OF CUSTODY

AUG/27/2010/FRI 08:45 AM Conrad Geoscience FAX No. 845 454 2655 P. 002

REPORT TO:		INVOICE TO:	
COMPANY:	Paradigm Environmental	COMPANY:	
ADDRESS:	179 Lake Ave	ADDRESS:	
CITY: Rochester	STATE: NY ZIP: 14608	CITY: STATE: ZIP:	
PHONE: 585-647-2530	FAX: -3311	PHONE:	FAX:
ATTN:	Jane Daloia	ATTN:	
COMMENTS:	Please return cold results to [illegible]		

LAB PROJECT #: 10-3508

CLIENT PROJECT #: AL030071

TURNAROUND TIME: (WORKING DAYS) 10-Day per SL 8/27 EAH 8/27

STD: ☐1 ☐2 ☐3 ☐5 OTHER: ☒

QUOTE #: JD 11676

PROJECT NAME/SITE NAME: [illegible] → Apple Valley Shopping Center, LaGrange (per S. LaRose 8/27) EAH 8/27

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	8260									REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8/25/10	1045		X	MLU-2	GW	3	X										11424
2	↓	1200		↓	MLU-7	↓	↓	↓										11425
3	↓	1240		↓	AVS-EFF	↓	↓	↓										11426
4	↓	1243		↓	AV-1 ← AV-2 (per SL 8/27 EAH 8/27)	↓	↓	↓										11427
5	↓	1247		↓	RW-1	↓	↓	↓										11428
6	↓	1252		↓	RW-2	↓	↓	↓										11429
7	↓	1256		↓	RW-3	↓	↓	↓										11430
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: unknown -	Y ☐	N ☐
Preservation: Comments: sent directly to sub lab	Y ☐	N ☐
Holding Time: Comments: by client rec'd 8/26/10	Y ☐	N ☐
Temperature: KRH 9/2/10 Comments:	Y ☐	N ☐

Sampled By: [signature] Date/Time: 8-25-10/12:56

Relinquished By: [signature] Date/Time: 8-25-10/17:00

Received By: Elizabeth A. Honck Date/Time: 8/27/10 1133

Received @ Lab By: Date/Time:

Total Cost:

P.I.F.