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

April 7, 2009

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

Re: **1st Quarter 2009 Groundwater Monitoring Report;**
Apple Valley Shopping Center Superfund Site, LaGrange, New York;
Index No. II-CERCLA-10224;
NYSDEC Site #3-14-084;
Conrad Geoscience File #AL030070

Dear Mr. Mizerak:

During March 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 herein.

QUARTERLY GROUNDWATER MONITORING

On March 5, 2009, Conrad Geoscience collected groundwater samples from Recovery Wells RW-1, RW-2, RW-3 and AV-2 (Figure 2). A groundwater remediation system effluent sample was also collected (AVS-EFF). In response to our request in the third quarter report, dated November 11, 2008, NYSDEC approved the exclusion of MW-5 from the monitoring program and so it was not sampled. 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).

In accordance with the approved IRM Work Plan, residential supply well sampling was conducted at the following residences: Lot 6 and Lot 11 (Figure 4).

Recovery Well Sampling

Recovery well water samples were collected via in-line sample ports ahead of the air stripper. Air stripper effluent samples were collected from the discharge pipe.

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

Residential Supply Well Sampling

According to the original IRM Work Plan, the drinking water wells for seven residences of the Woodbridge Estates Subdivision are to be monitored on a semi-annual basis, assuming access is granted. All but Lots 6 and 11 have been subsequently removed from the monitoring program. 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.

RESULTS

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:

- RW-1 (515.2 µg/l)
- RW-2 (4,800 µg/l)

- RW-3 (435.2 µg/l)
- AV-2 (228.9 µg/l)

The total COC concentration for AVS-EFF was 1.4 µg/l. Based on mass loading and measured effluent concentrations of COCs, the air stripper was performing at a nearly 100% (99.97688%) removal efficiency.

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 (3.8 µg/l)
- Lot 11 (3.9 µg/l)

No COCs were detected in the mid-treatment or post-treatment samples at Lot 11. Benzene was detected at a concentration of 0.5 µg/l in the mid-treatment sample and Chloroethane was detected at a concentration of 1.0 µg/l in the post-treatment sample. These compounds were not present in the pre-treatment sample, indicating that the compounds may have originated within the carbon canisters rather than the groundwater. Therefore, arrangements were made to have both carbon canisters replaced at the Alben residence.

DISCUSSION

Recovery Wells

The March 2009 groundwater data indicate an increase in total COC in Recovery Wells RW-2 and AV-2 and a decrease in total COC in Recovery Wells RW-1 and RW-3 in comparison to the November 2008 groundwater monitoring data.

Residential Wells

The March 2009 groundwater data indicate a slight increase in total COC concentrations at residential Lot 6 in comparison to the August 2008 groundwater monitoring data. PCE in the Lot 6 well was present at a concentration of 2.9 µg/l.

The March 2009 groundwater data indicate a slight increase in total COC concentrations at residential Lot 11 in comparison to the September 2008 groundwater monitoring data.

SCHEDULE

The next round of quarterly groundwater monitoring is scheduled for May 2009. The next round of residential supply well monitoring is scheduled for August 2009. If you have any questions, please do not hesitate to call.

Sincerely,

CONRAD GEOSCIENCE CORP.

Stephanie P. LaRose
Geologist

SPL/tla

attachments

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

Table 1. **Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples;**
USEPA Method 524.2; collected **January 2006 through March 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

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 March 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-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

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 March 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

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 March 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

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 March 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

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 March 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
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 March 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

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 March 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
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 March 2009;** Apple Valley Shopping Center, LaGrange, New York; Conrad Geoscience File #AL030070

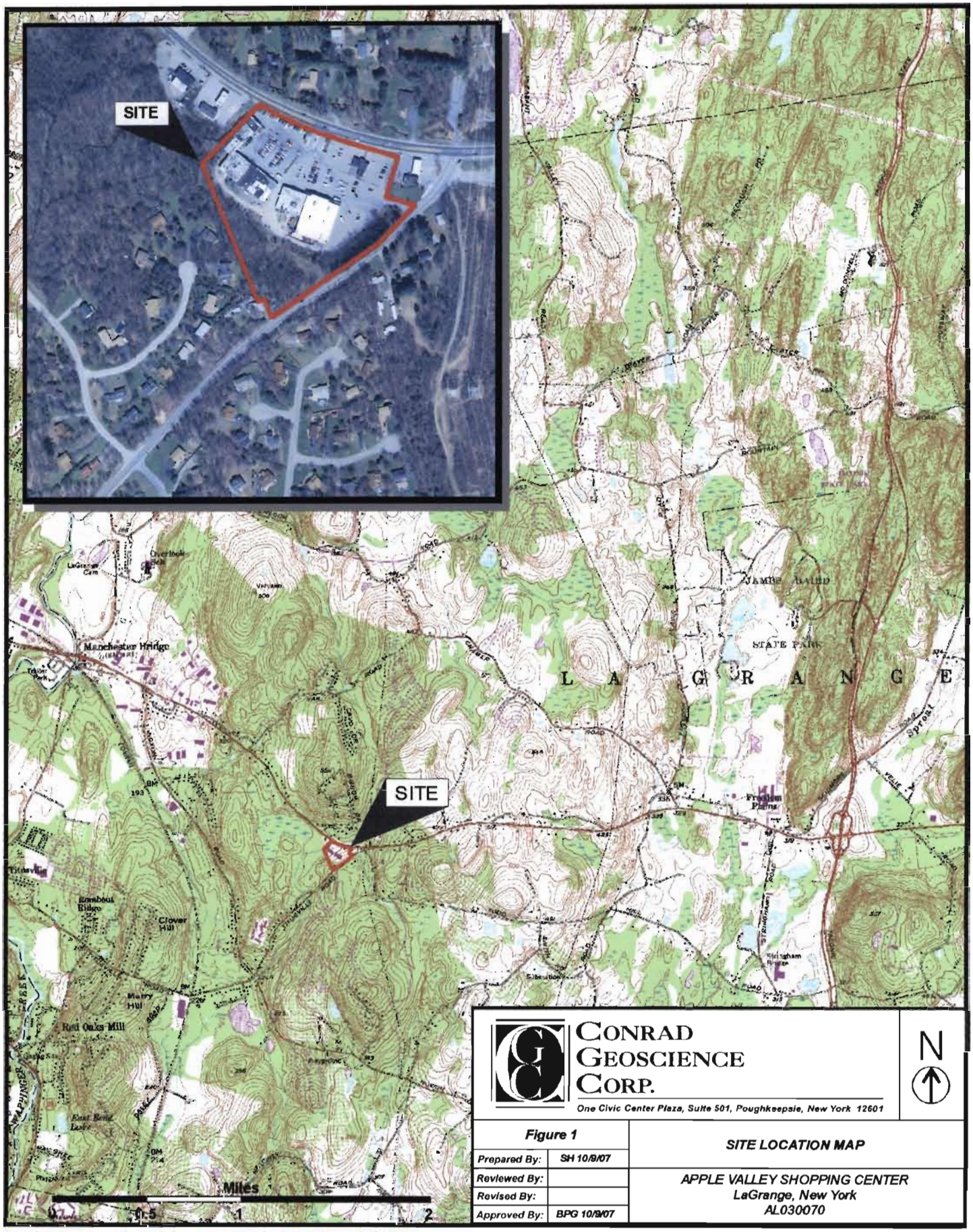
Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
Lot 10 Upstream	9-01	**7.8**	3.4	4.0	ND	15.2
	3-02	3.7	2.1	2.6	ND	8.4
	9-02	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 March 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
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.



CONRAD GEOSCIENCE CORP.

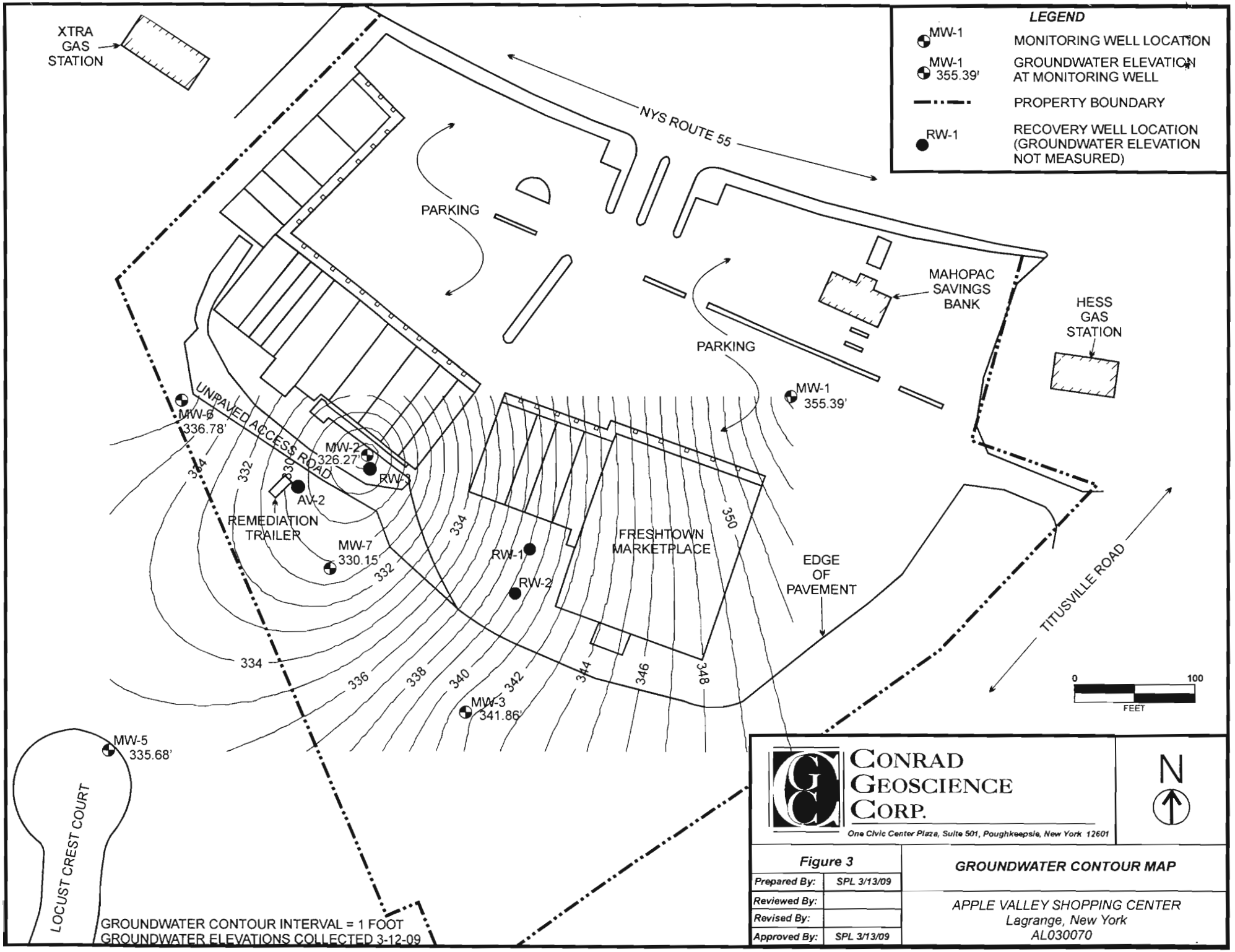
One Civic Center Plaza, Suite 501, Poughkeepsie, New York 12601

N

Figure 1		SITE LOCATION MAP
Prepared By:	SH 10/8/07	APPLE VALLEY SHOPPING CENTER LaGrange, New York AL030070
Reviewed By:		
Revised By:		
Approved By:	BPG 10/9/07	

CONRAD GEOSCIENCE CORP.
One Civic Center Plaza, Suite 501, Poughkeepsie, New York 12601

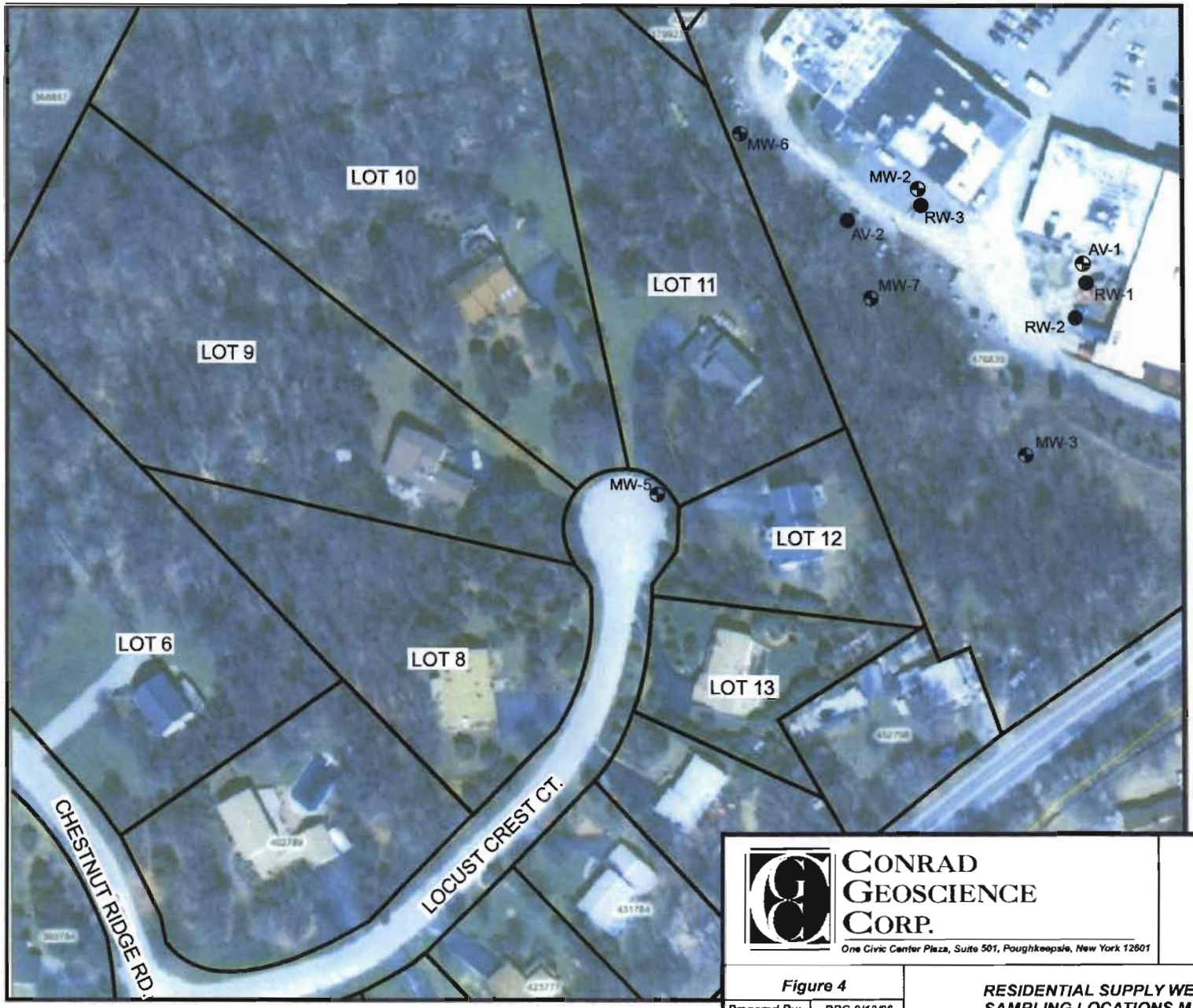
Figure 2		SELECTED SITE FEATURES MAP
Prepared By:	SH 10/9/07	
Reviewed By:		APPLE VALLEY SHOPPING CENTER LaGrange, New York AL030070
Revised By:		
Approved By:	BPG 10/9/07	



CONRAD GEOSCIENCE CORP.

One Civic Center Plaza, Suite 501, Poughkeepsie, New York 12601

Figure 3	GROUNDWATER CONTOUR MAP
Prepared By: SPL 3/13/09	APPLE VALLEY SHOPPING CENTER Lagrange, New York AL030070
Reviewed By:	
Revised By:	
Approved By: SPL 3/13/09	



0 120
FEET

ALL LOCATIONS ARE APPROXIMATE

CONRAD GEOSCIENCE CORP.
One Civic Center Plaza, Suite 501, Poughkeepsie, New York 12601

N

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

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 09-0783
Issued March 13, 2009
This report contains a total of 7 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	**Lab Project No.:**	09-0783
		Lab Sample No.:	2913
Client Job Site:	Apple Valley Shopping Center LaGrange, NY	**Sample Type:**	Water
Client Job No.:	AL030070	**Date Sampled:**	03/05/09
		Date Received:	03/05/09
Field Location:	RW-1	**Date Analyzed:**	03/11/09

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	ND<10		Benzene	ND<10	
Bromomethane	ND<10		Bromobenzene	ND<10	S
Carbon Tetrachloride	ND<10		n-Butylbenzene	ND<10	
Chloroethane	ND<20		sec-Butylbenzene	ND<10	S
Chloromethane	ND<10		tert-Butylbenzene	ND<10	S
1,2-Dibromomethane	ND<10		Chlorobenzene	ND<10	
Dibromomethane	ND<10		2-Chlorotoluene	ND<10	S
1,2-Dibromo-3-Chloropropane	ND<10		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	S
1,1-Dichloroethene	ND<10		Ethyl Benzene	ND<10	
cis- 1,2-Dichloroethene	ND<10		Hexachlorobutadiene	ND<10	
trans-1,2-Dichloroethene	ND<10		Isopropylbenzene	ND<10	S
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	S
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	43.8	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	500	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	15.2	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

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

Volatile Laboratory Analysis Report
For Water

Client: Conrad Geoscience
Client Job Site: Apple Valley Shopping Center LaGrange, NY
Client Job No.: AL030070
Field Location: RW-2

Lab Project No.: 09-0783
Lab Sample No.: 2914
Sample Type: Water
Date Sampled: 03/05/09
Date Received: 03/05/09
Date Analyzed: 03/11/09

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	ND<100		Benzene	ND<100	
Bromomethane	ND<100		Bromobenzene	ND<100	S
Carbon Tetrachloride	ND<100		n-Butylbenzene	ND<100	
Chloroethane	ND<200		sec-Butylbenzene	ND<100	S
Chloromethane	ND<100		tert-Butylbenzene	ND<100	S
1,2-Dibromomethane	ND<100		Chlorobenzene	ND<100	
Dibromomethane	ND<100		2-Chlorotoluene	ND<100	S
1,2-Dibromo-3-Chloropropane	ND<100		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	S
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	S
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	S
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	264	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	4800	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

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

Volatile Laboratory Analysis Report
For Water

Client: Conrad Geoscience
Client Job Site: Apple Valley Shopping Center LaGrange, NY
Client Job No.: AL030070
Field Location: RW-3

Lab Project No.: 09-0783
Lab Sample No.: 2515
Sample Type: Water
Date Sampled: 03/05/09
Date Received: 03/05/09
Date Analyzed: 03/11/09

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	ND<10		Benzene	ND<10	
Bromomethane	ND<10		Bromobenzene	ND<10	S
Carbon Tetrachloride	ND<10		n-Butylbenzene	ND<10	
Chloroethane	ND<20		sec-Butylbenzene	ND<10	S
Chloromethane	ND<10		tert-Butylbenzene	ND<10	S
1,2-Dibromomethane	ND<10		Chlorobenzene	ND<10	
Dibromomethane	ND<10		2-Chlorotoluene	ND<10	S
1,2-Dibromo-3-Chloropropane	ND<10		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	S
1,1-Dichloroethene	ND<10		Ethyl Benzene	ND<10	
cis- 1,2-Dichloroethene	49.4	X	Hexachlorobutadiene	ND<10	
trans-1,2-Dichloroethene	ND<10		Isopropylbenzene	ND<10	S
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	S
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	33.2	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	347	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	38.8	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

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 09-0783

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: AV-2

Lab Project No.: 09-0783
Lab Sample No.: 2916
Sample Type: Water
Date Sampled: 03/05/09
Date Received: 03/05/09
Date Analyzed: 03/11/09

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	S
Carbon Tetrachloride	ND<0.5		n-Butylbenzene	ND<0.5	
Chloroethane	ND<1.0		sec-Butylbenzene	ND<0.5	S
Chloromethane	ND<0.5		tert-Butylbenzene	ND<0.5	S
1,2-Dibromomethane	ND<0.5		Chlorobenzene	ND<0.5	
Dibromomethane	ND<0.5		2-Chlorotoluene	ND<0.5	S
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	S
1,1-Dichloroethene	ND<0.5		Ethyl Benzene	ND<0.5	
cis- 1,2-Dichloroethene	31.4	X	Hexachlorobutadiene	ND<0.5	
trans-1,2-Dichloroethene	ND<0.5		Isopropylbenzene	ND<0.5	S
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	S
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	180	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	17.5	X	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

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 09-0783

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.: 09-0783
Lab Sample No.: 2917
Sample Type: Water
Date Sampled: 03/05/09
Date Received: 03/05/09
Date Analyzed: 03/11/09

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	S
Carbon Tetrachloride	ND<0.5		n-Butylbenzene	ND<0.5	
Chloroethane	ND<1.0		sec-Butylbenzene	ND<0.5	S
Chloromethane	ND<0.5		tert-Butylbenzene	ND<0.5	S
1,2-Dibromomethane	ND<0.5		Chlorobenzene	ND<0.5	
Dibromomethane	ND<0.5		2-Chlorotoluene	ND<0.5	S
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	S
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	S
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	S
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	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 09-0783

T-320 P002/002 F-555

03-05-'09 15:33 FROM-

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

CHAIN OF CUSTODY

Adirondack

COMPANY: Paradigm Environmental	COMPANY: SAME	LAB PROJECT #: 09-0783	CLIENT PROJECT #: AL030070
ADDRESS: 179 Lake Ave	ADDRESS:	TURNAROUND TIME: (WORKING DAYS) 10-DAY	
CITY: Rochester STATE: NY ZIP: 14608	CITY: STATE: ZIP:	STD ☐ 1 ☐ 2 ☐ 3 ☐ 5	OTHER ☒
PHONE: 585-647-2530 FAX: -3311	PHONE: FAX:		
PROJECT NAME/SITE NAME: Apple Valley Shopping Ctr LaGrange, NY	ATTN: Jane Daloia	ATTN:	
	COMMENTS: Please return cooler	QUOTE #: JD110705	

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	524.2										REMARKS	PARADIGM LAB SAMPLE NUMBER
3/5/09	1147		X	RW-1	GW	3	X											29137
3/5/09	1140		X	RW-2	GW	3	X											29138
3/5/09	1100		X	RW-3	GW	3	X											29139
3/5/09	1156		X	AV-2	GW	3	X											29140
3/5/09	1204		X	AVS-EFF	GW	3	X											29141

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

Receipt Parameter	NELAC Compliance
Container Type: unknown - sent directly to sub lab by Client	Y ☒ ee EAH 3/5 N ☐
Preservation:	Y ☐ N ☐
Holding Time:	Y ☐ N ☐
Temperature:	Y ☐ N ☐

Comments:

3-5-09/1204
Sampled By — Date/Time

3-5-09/1700
Relinquished By — Date/Time

Total Cost:

Received By: Elizabeth A Honch 3/5/09 1640
Received @ Lab By — Date/Time

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 09-0907
Issued March 23, 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.

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

Lab Project No.: 09-0907
Lab Sample No.: 3319
Sample Type: Water
Date Sampled: 03/12/09
Date Received: 03/13/09
Date Analyzed: 03/20/09

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	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	S	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		n-Propylbenzene	ND<0.5	
1,1- Dichloropropene	ND<0.5	S	Styrene	ND<0.5	
cis-1,3-Dichloropropene	ND<0.5	S	Toluene	ND<0.5	
trans-1,3-Dichloropropene	ND<0.5	S	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

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 09-0907

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

Lab Project No.: 09-0907
Lab Sample No.: 3320
Sample Type: Water
Date Sampled: 03/12/09
Date Received: 03/13/09
Date Analyzed: 03/20/09

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	ND<0.5		Benzene	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	S	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		n-Propylbenzene	ND<0.5	
1,1- Dichloropropene	ND<0.5	S	Styrene	ND<0.5	
cis-1,3-Dichloropropene	ND<0.5	S	Toluene	ND<0.5	
trans-1,3-Dichloropropene	ND<0.5	S	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

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 09-0907

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

Lab Project No.: 09-0907
Lab Sample No.: 3321
Sample Type: Water
Date Sampled: 03/12/09
Date Received: 03/13/09
Date Analyzed: 03/20/09

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	S	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	1.5		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		n-Propylbenzene	ND<0.5	
1,1- Dichloropropene	ND<0.5	S	Styrene	ND<0.5	
cis-1,3-Dichloropropene	ND<0.5	S	Toluene	ND<0.5	
trans-1,3-Dichloropropene	ND<0.5	S	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	1.0		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: _____

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 09-0907

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:
COMPANY: Conrad Geoscience
ADDRESS: One Civic Circle Plaza, Suite 501
CITY: Poughkeepsie STATE: NY ZIP: 12601
PHONE: 845-454-2549 FAX: -2655
ATTN: Stephanie LaRose
COMMENTS: Please return cooler

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

LAB PROJECT #: 09-0907
CLIENT PROJECT #: AL030070
TURNAROUND TIME: (WORKING DAYS) 10-Days
STD ☐ OTHER ☒ (1 ☐ 2 ☐ 3 ☐ 5 ☐)
QUOTE #: SD116705
PROJECT NAME/SITE NAME: Alben residence – LaGrange

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	524.2									REMARKS	PARADIGM LAB SAMPLE NUMBER
1	3/12/09	840		X	Alben (Lot11) – Post	DW	3	X										3319
2	↓	849		X	Alben (Lot11) – Mid	DW	3	X										3320
3	↓	859		X	Alben (Lot11) – Pre	DW	3	X										3321
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: 2°Iced	Y ☒	N ☐
Comments:		

Sampled By — Date/Time: 3-12-09/900
Relinquished By — Date/Time: 3-12-09/1700
Received By — Date/Time:
Received @ Lab By: Elizabeth A Honck — Date/Time: 3/13/09 1130

Total Cost:
P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 09-0984
Issued March 26, 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 Water

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

Lab Project No.: 09-0984
Lab Sample No.: 3543
Sample Type: Drinking Water
Date Sampled: 03/19/09
Date Received: 03/19/09
Date Analyzed: 03/24/09

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	S
Carbon Tetrachloride	ND<0.5	n-Butylbenzene	ND<0.5	S
Chloroethane	ND<1.0	sec-Butylbenzene	ND<0.5	S
Chloromethane	ND<0.5	tert-Butylbenzene	ND<0.5	S
1,2-Dibromomethane	ND<0.5	Chlorobenzene	ND<0.5	
Dibromomethane	ND<0.5	2-Chlorotoluene	ND<0.5	S
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	S
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	0.9	Hexachlorobutadiene	ND<0.5	
trans-1,2-Dichloroethene	ND<0.5	Isopropylbenzene	ND<0.5	S
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	S
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	S
Tetrachloroethene	2.9	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 - 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: Conrad09-0984.xls

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

COMPANY: Paradigm Environmental	COMPANY:	LAB PROJECT #: 09-0984	CLIENT PROJECT #: A1030070
ADDRESS: 179 Lake Avenue	ADDRESS:		
CITY: ~~Rochester~~ Rochester STATE: NY ZIP: 14608	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS) 10-Day	
PHONE: 585-647-2530 FAX: -3311	PHONE: FAX:	STD ☐ 1 ☐ 2 ☐ 3 ☐ 5	OTHER ☒
PROJECT NAME/SITE NAME: Lipka residence – LaGrange, NY	ATTN: Jane Dalaia	ATTN:	
	COMMENTS: Please return cooler	QUOTE #: JD110705	

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	524.2										REMARKS	PARADIGM LAB SAMPLE NUMBER				
1	3/19/09	1012		X	Lipka	DW	3	X												3	5	4	3
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

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

Receipt Parameter		NELAC Compliance	
Container Type: unknown- sent directly to sub lab	Comments:	Y ☐	N ☐
Preservation:	Comments:	Y ☐	N ☐
Holding Time: by client	Comments:	Y ☐	N ☐
Temperature:	Comments:	Y ☐	N ☐

Sampled By: 3/19/09 – 1012 — Date/Time

Relinquished By: 3/19/09 – 1700 — Date/Time

Received By: Elizabeth A Honch — Date/Time: 3/19/09 1410

Received @ Lab By — Date/Time

Total Cost:

P.I.F. ☐

03-19-'09 13:38 FROM-

T-354 P002/002 F-642