



June 12, 2007

Michael MacCabe, P.E.  
New York State Dept. of Environmental Conservation  
Division of Environmental Remediation  
625 Broadway, 12<sup>th</sup> Floor  
Albany, New York 12233-7015

Re: **2<sup>nd</sup> Quarter 2007 Groundwater Monitoring Report;**  
Apple Valley Shopping Center Superfund Site, LaGrange, New York  
Index No. II-CERCLA-10224  
NYSEC Site #3-14-084  
Conrad Geoscience File #AL030070

Dear Mr. MacCabe:

In May 2007, 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.

## **QUARTERLY GROUNDWATER MONITORING**

On May 29, 2007, 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). Depth-to-water measurements were recorded from the top of each monitoring well casing, and a groundwater contour map was prepared based on these measurements (Figure 3).

### **Recovery Well Sampling**

Recovery well 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.

## 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 (306.4 µg/l); RW-2 (1,096.6 µg/l); RW-3 (703.3 µg/l); and AV-2 (35.9 µg/l). The total COC concentration for AVS-EFF was 0 µg/l. Based on the mass loading and measured effluent concentrations of the COC, the air stripper was performing at a 100% removal efficiency.

## DISCUSSION

The May 2007 groundwater data indicate a decrease in total COC in Recovery Wells RW-1 and RW-2 and an increase in total COC in Recovery Wells RW-3 and AV-2 in comparison to the March 2007 groundwater monitoring data.

The next round of quarterly groundwater monitoring is scheduled for August 2007. If you have any questions, please do not hesitate to call.

Sincerely,

CONRAD GEOSCIENCE CORP.



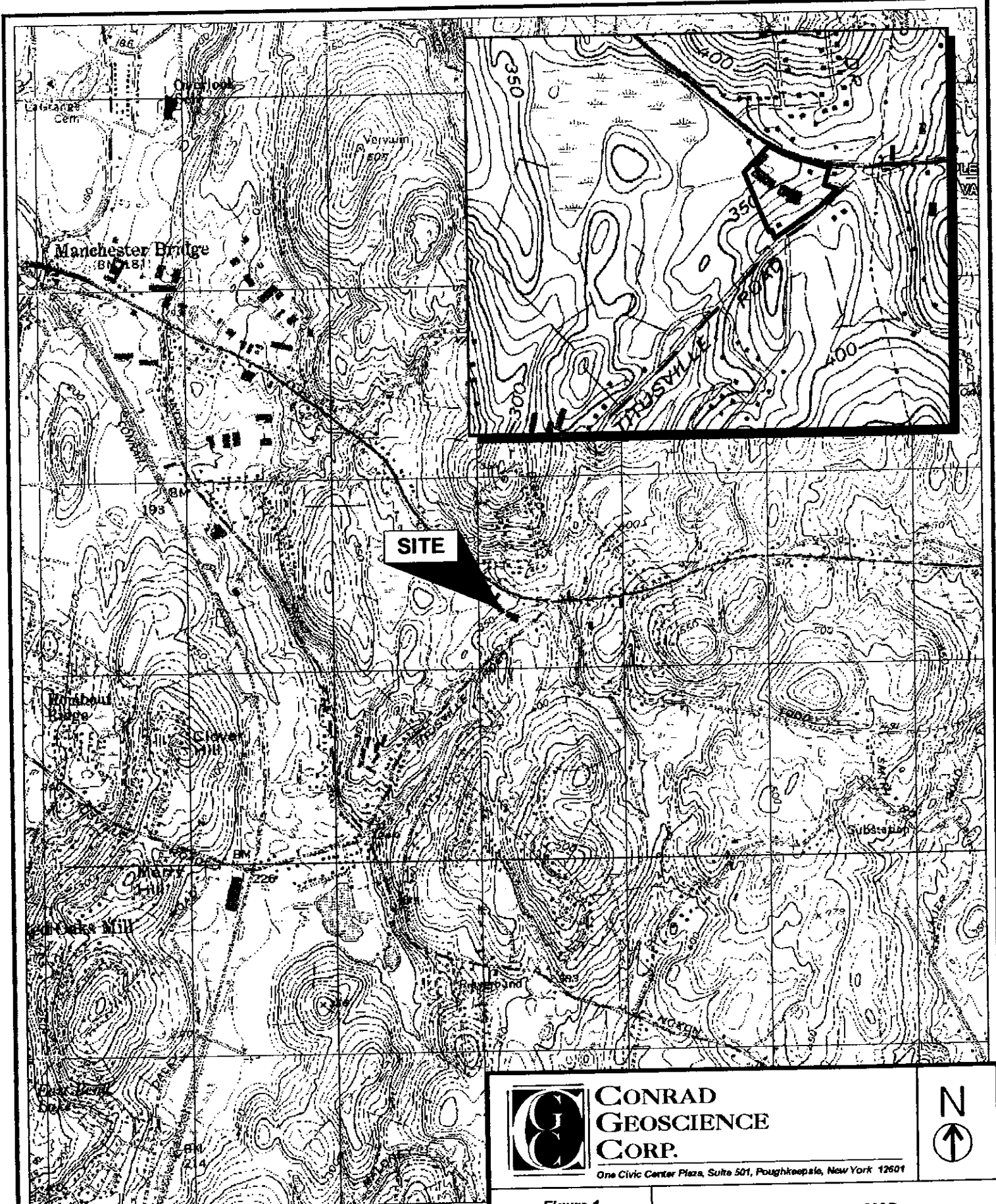
Brian P. Goodwin  
Geologist

BPG/seg



attachments

cc: D. Engel  
J. Klein  
M. Millspaugh  
M. Rivara  
B. Dixon  
D. MacDougal  
J. Harmon





3-D TopoQuads Copyright © 1999 DeLorme, York, ME 04096 Source Data: USGS

	<b>CONRAD GEOSCIENCE CORP.</b>	
	<small>One Civic Center Plaza, Suite 501, Poughkeepsie, New York 12601</small>	

<b>Figure 1</b>		<b>SITE LOCATION MAP</b>
Prepared By:	BPG 2/9/05	<b>APPLE VALLEY SHOPPING CENTER</b> LaGrange, New York AL030070
Reviewed By:		
Revised By:	SH 6/13/07	
Approved By:	BPG 6/13/07	

**LEGEND**

- RECOVERY WELL LOCATION
  - ⬇ MONITORING WELL LOCATION
  - BUILDING FOOTPRINTS
  - ▭ PARCEL BOUNDARIES
- Dutchess County Office of Real Property 2007



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**SELECTED SITE FEATURES MAP**




<b>Figure 2</b>	
Prepared By:	SH 6/1207
Reviewed By:	BPG 6/1207
Revised By:	SH 6/1307
Approved By:	BPG 6/1307

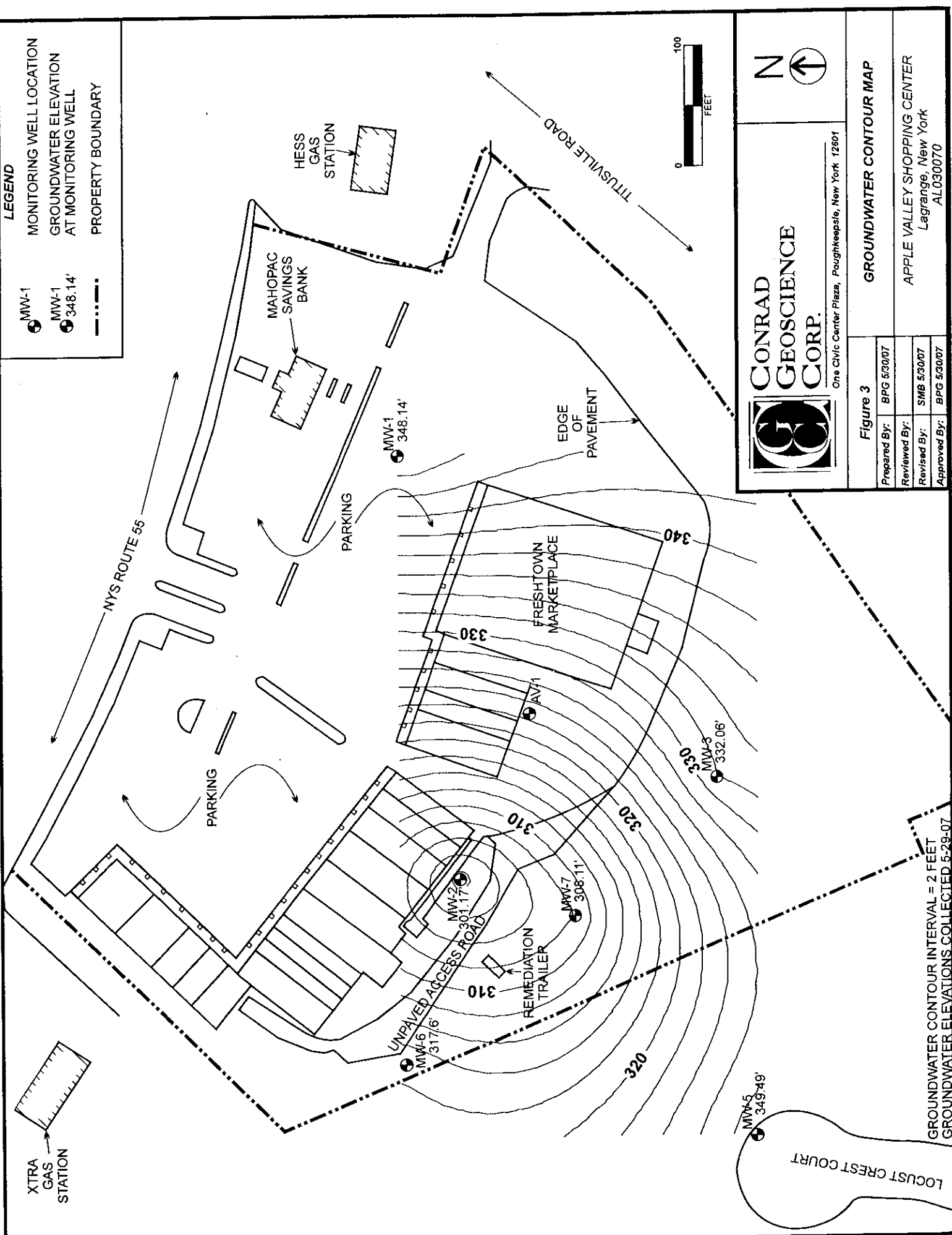
APPLE VALLEY SHOPPING CENTER  
LaGrange, New York  
AL030070



MW-5  
LOCUST CREST COURT

**LEGEND**

- MW-1  MONITORING WELL LOCATION
- MW-1  GROUNDWATER ELEVATION AT MONITORING WELL
- 348.14'  348.14'
- PROPERTY BOUNDARY



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One Civic Center Plaza, Poughkeepsie, New York 12601

**Figure 3**

Prepared By:	BPG 5/30/07
Reviewed By:	SMB 5/30/07
Revised By:	BPG 5/30/07
Approved By:	BPG 5/30/07

**GROUNDWATER CONTOUR MAP**

APPLE VALLEY SHOPPING CENTER  
Lagrange, New York  
AL030070

GROUNDWATER CONTOUR INTERVAL = 2 FEET  
GROUNDWATER ELEVATIONS COLLECTED 5-29-07

Table 1. **Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples;** USEPA Method 524.2; collected **January 2006 through May 2007;** Apple Valley Shopping Center, Lagrange, New York;

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/L <sup>1</sup> )	Trichloroethene (5 µg/L <sup>1</sup> )	cis-1,2-Dichloroethene (5 µg/L <sup>1</sup> )	Vinyl Chloride (2 µg/L <sup>1</sup> )	Total COC
<b>Volatile Organic Compounds</b>						
RW-1	2-9-06	<b>2,850</b>	<b>119</b>	<b>53.6</b>	ND < 10	3,022.6
	3-9-06	<b>412</b>	<b>19.9</b>	<b>13.6</b>	ND < 1.0	445.5
	5-16-06	<b>394</b>	<b>21.0</b>	<b>19.0</b>	ND < 1.0	434
	8-22-06	<b>583</b>	<b>6.4</b>	<b>8.6 M</b>	ND < 2.5	598
	11-28-06	<b>265</b>	<b>7.7</b>	<b>10</b>	ND < 1.0	282.7
	12-11-06	<b>217</b>	<b>6.9</b>	<b>9.4</b>	ND < 2.5	233.3
	3-1-07	<b>591</b>	<b>7.4</b>	<b>5.4</b>	ND < 2.5	603.8
	5-29-07	<b>298</b>	<b>8.4</b>	ND < 1.0	ND < 1.0	306.4

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;  
 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 May 2007; Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL03007**

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/L <sup>1</sup> )	Trichloroethene (5 µg/L <sup>1</sup> )	cis-1,2-Dichloroethene (5 µg/L <sup>1</sup> )	Vinyl Chloride (2 µg/L <sup>1</sup> )	Total COC
<b>Volatile Organic Compounds</b>						
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

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 May 2007;** Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/L <sup>1</sup> )	Trichloroethene (5 µg/L <sup>1</sup> )	cis-1,2-Dichloroethene (5 µg/L <sup>1</sup> )	Vinyl Chloride (2 µg/L <sup>1</sup> )	Total COC
<b>Volatile Organic Compounds</b>						
RW-3	2-9-06	<b>1,250</b>	<b>102</b>	<b>88.8</b>	ND < 5.0	1,440.8
	3-9-06	<b>567</b>	<b>67.3</b>	<b>72.8</b>	<b>3.9</b>	711
	5-16-06	<b>538</b>	<b>53.8</b>	<b>99.4</b>	ND < 2.5	691.2
	8-22-06	<b>151</b>	<b>19.6</b>	<b>34.1 M</b>	ND < 2.5	204.7
	11-28-06	<b>451</b>	<b>49.5</b>	<b>103</b>	<b>4.0</b>	607.5
	12-11-06	<b>467</b>	<b>66.4</b>	<b>147</b>	<b>5.7</b>	686.1
	3-1-07	<b>494</b>	<b>59</b>	<b>75.3</b>	ND < 2.5	628.3
	5-29-07	<b>550</b>	<b>54.3</b>	<b>93.8</b>	<b>5.2</b>	703.3

Notes:  
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 ND = Not detected above the method detection limit listed;  
 Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;  
 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 May 2007;** Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/L <sup>1</sup> )	Trichloroethene (5 µg/L <sup>1</sup> )	cis-1,2-Dichloroethene (5 µg/L <sup>1</sup> )	Vinyl Chloride (2 µg/L <sup>1</sup> )	Total COC
<b>Volatile Organic Compounds</b>						
AV-2	2-9-06	<b>3,560</b>	<b>380</b>	<b>979</b>	ND < 10	4,919
	3-9-06	<b>90.7</b>	<b>11.0</b>	<b>19.5</b>	ND < 0.5	121.2
	5-16-06	<b>913</b>	<b>13.2</b>	<b>18.0</b>	ND < 2.5	944.2
	8-22-06	<b>28.4</b>	<b>3.4</b>	<b>9.9 M</b>	ND < 0.5	41.7
	11-28-06	<b>24.7</b>	<b>3.5</b>	<b>6.6</b>	ND < 0.5	34.8
	12-11-06	<b>28.5</b>	<b>4.0</b>	<b>9.2</b>	ND < 0.5	41.7
	3-1-07	<b>25.4</b>	<b>4.0</b>	<b>5.2</b>	ND < 0.5	34.6
	5-29-07	<b>26.0</b>	<b>3.8</b>	<b>6.1</b>	ND < 0.5	35.9

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;  
 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 May 2007**; Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/L <sup>1</sup> )	Trichloroethene (5 µg/L <sup>1</sup> )	cis-1,2-Dichloroethene (5 µg/L <sup>1</sup> )	Vinyl Chloride (2 µg/L <sup>1</sup> )	Total COC
<b>Volatile Organic Compounds</b>						
AVS-EFF	2-9-06	<b>146</b>	<b>8.3</b>	<b>22.1</b>	ND < 0.5	176.4
	3-9-06	<b>12.3</b>	1.1	1.4	ND < 0.5	14.8
	5-16-06	<b>14</b>	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	<b>7.4</b>	ND < 0.5	ND < 0.5	ND < 0.5	7.4
	11-28-06	<b>85.8</b>	4.9	<b>13.0</b>	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

Notes:  
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 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;  
 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 May 2007;** Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/L <sup>1</sup> )	Trichloroethene (5 µg/L <sup>1</sup> )	cis-1,2-Dichloroethene (5 µg/L <sup>1</sup> )	Vinyl Chloride (2 µg/L <sup>1</sup> )	Total COC
<b>Volatile Organic Compounds</b>						
AV-1	1-16-06	<b>35.5</b>	1.4	2.0	ND < 0.5	38.9
	5-16-06	<b>13.9</b>	ND < 0.5	ND < 0.5	ND < 0.5	13.9
	8-23-06	<b>10.3</b>	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
MW-2	1-13-06	<b>967</b>	<b>95.7</b>	<b>94.9</b>	ND < 5.0	1,157.6
	5-16-06	<b>4,440</b>	<b>638</b>	<b>1,300</b>	ND < 25.0	6,378
	8-22-06	<b>2,710</b>	<b>390</b>	<b>943 M</b>	<b>24.2</b>	4,067.2
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

Notes:  
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 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;  
 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 May 2007; Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070**

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/L <sup>1</sup> )	Trichloroethene (5 µg/L <sup>1</sup> )	cis-1,2-Dichloroethene (5 µg/L <sup>1</sup> )	Vinyl Chloride (2 µg/L <sup>1</sup> )	Total COC
<b>Volatile Organic Compounds</b>						
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
MW-6	1-16-06	<b>21.6</b>	3.4	<b>7.9</b>	ND < 0.5	32.9
	5-16-06	<b>6.0</b>	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
MW-7	1-16-06	<b>6.1</b>	3.6	0.9	ND < 0.5	10.6
	5-16-06	<b>34.0</b>	3.2	<b>7.3</b>	ND < 0.5	44.5
	8-22-06	<b>23.6</b>	2.8	<b>8.7 M</b>	ND < 0.5	35.1

Notes:  
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 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;  
 COC = Contaminants of concern.



### Volatile Laboratory Analysis Report For Drinking Water

Client:	Conrad Geoscience	Lab Project No.:	07-1872
Client Job Site:	Apple Valley Shopping Center Lagrange, New York	Lab Sample No.:	6609
Client Job No.:	AL030070	Sample Type:	Groundwater
Field Location:	RW-1	Date Sampled:	05/29/07
		Date Received:	05/30/07
		Date Analyzed:	06/06/07

VOLATILE HALOCARBONS	RESULTS (ug/l)	VOLATILE AROMATICS	RESULTS (ug/l)
Bromochloromethane	ND<2.0	Benzene	ND<1.0
Bromomethane	ND<1.0	Bromobenzene	ND<1.0
Carbon Tetrachloride	ND<2.0	n-Butylbenzene	ND<1.0
Chloroethane	ND<2.0	sec-Butylbenzene	ND<1.0
Chloromethane	ND<1.0	tert-Butylbenzene	ND<1.0
1,2-Dibromomethane	ND<1.0	Chlorobenzene	ND<1.0
Dibromomethane	ND<1.0	2-Chlorotoluene	ND<1.0
1,2-Dibromo-3-Chloropropane	ND<2.0	4-Chlorotoluene	ND<1.0
Dichlorodifluoromethane	ND<1.0	1,2-Dichlorobenzene	ND<1.0
1,1-Dichloroethane	ND<1.0	1,3-Dichlorobenzene	ND<1.0
1,2-Dichloroethane	ND<1.0	1,4-Dichlorobenzene	ND<1.0
1,1-Dichloroethene	ND<1.0	Ethyl Benzene	ND<1.0
cis-1,2-Dichloroethene	ND<1.0	Hexachlorobutadiene	ND<1.0
trans-1,2-Dichloroethene	ND<1.0	Isopropylbenzene	ND<1.0
1,2-Dichloropropane	ND<1.0	4-Isopropyltoluene	ND<1.0
1,3-Dichloropropane	ND<1.0	Naphthalene	ND<2.0
2,2-Dichloropropane	ND<2.0	n-Propylbenzene	ND<1.0
1,1-Dichloropropene	ND<1.0	styrene	ND<1.0
cis-1,3-Dichloropropene	ND<1.0	Toluene	ND<1.0
trans-1,3-Dichloropropene	ND<1.0	1,2,3-Trichlorobenzene	ND<1.0
Methylene Chloride	ND<2.0	1,2,4-Trichlorobenzene	ND<1.0
1,1,1,2-Tetrachloroethane	ND<1.0	1,2,4-Trimethylbenzene	ND<1.0
1,1,2,2-Tetrachloroethane	ND<1.0	1,3,5-Trimethylbenzene	ND<1.0
Tetrachloroethene	298 X	Xylenes, Total	ND<1.0
1,1,1-Trichloroethane	ND<1.0	Methyl-t-Butyl Ether	ND<4.0
1,1,2-Trichloroethane	ND<1.0		
Trichloroethene	8.4 X	<u>Trihalomethanes</u>	
Trichlorofluoromethane	ND<1.0	Bromodichloromethane	ND<1.0
1,2,3-Trichloropropane	ND<1.0	Bromoform	ND<2.0
Vinyl Chloride	ND<1.0	Chloroform	ND<1.0
		Dibromochloromethane	ND<2.0

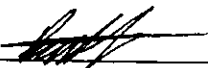
EPA Method 524.2

Comments: ND denotes Non-Detected.

NYS ELAP No.: 10709

X Value exceeds Maximum Containment Level.

Approved By Technical Director:

  
 Bruce Hoogsteger

### Volatile Laboratory Analysis Report For Drinking Water

Client:	<u>Conrad Geoscience</u>	Lab Project No.:	07-1872
Client Job Site:	Apple Valley Shopping Center Lagrange, New York	Lab Sample No.:	6610
Client Job No.:	AL030070	Sample Type:	Groundwater
Field Location:	RW-2	Date Sampled:	05/29/07
		Date Received:	05/30/07
		Date Analyzed:	06/06/07

VOLATILE HALOCARBONS	RESULTS (ug/l)	VOLATILE AROMATICS	RESULTS (ug/l)
Bromochloromethane	ND<10.0	Benzene	ND<10.0
Bromomethane	ND<10.0	Bromobenzene	ND<10.0
Carbon Tetrachloride	ND<20.0	n-Butylbenzene	ND<10.0
Chloroethane	ND<20.0	sec-Butylbenzene	ND<10.0
Chloromethane	ND<10.0	tert-Butylbenzene	ND<10.0
1,2-Dibromomethane	ND<10.0	Chlorobenzene	ND<10.0
Dibromomethane	ND<10.0	2-Chlorotoluene	ND<10.0
1,2-Dibromo-3-Chloropropane	ND<20.0	4-Chlorotoluene	ND<10.0
Dichlorodifluoromethane	ND<10.0	1,2-Dichlorobenzene	ND<10.0
1,1-Dichloroethane	ND<10.0	1,3-Dichlorobenzene	ND<10.0
1,2-Dichloroethane	ND<10.0	1,4-Dichlorobenzene	ND<10.0
1,1-Dichloroethene	ND<10.0	Ethyl Benzene	ND<10.0
cis-1,2-Dichloroethene	ND<10.0	Hexachlorobutadiene	ND<10.0
trans-1,2-Dichloroethene	ND<10.0	Isopropylbenzene	ND<10.0
1,2-Dichloropropane	ND<10.0	4-Isopropyltoluene	ND<10.0
1,3-Dichloropropane	ND<10.0	Naphthalene	ND<20.0
2,2-Dichloropropane	ND<20.0	n-Propylbenzene	ND<10.0
1,1-Dichloropropene	ND<10.0	styrene	ND<10.0
cis-1,3-Dichloropropene	ND<10.0	Toluene	ND<10.0
trans-1,3-Dichloropropene	ND<10.0	1,2,3-Trichlorobenzene	ND<10.0
Methylene Chloride	ND<20.0	1,2,4-Trichlorobenzene	ND<10.0
1,1,1,2-Tetrachloroethane	ND<10.0	1,2,4-Trimethylbenzene	ND<10.0
1,1,1,2-Tetrachloroethane	ND<10.0	1,3,5-Trimethylbenzene	ND<10.0
Tetrachloroethene	1080 X	Xylenes, Total	ND<10.0
1,1,1-Trichloroethane	ND<50.0	Methyl-t-Butyl Ether	ND<40.0
1,1,2-Trichloroethane	ND<10.0		
Trichloroethene	16.6 X	<u>Trihalomethanes</u>	
Trichlorofluoromethane	ND<10.0	Bromodichloromethane	ND<20.0
1,2,3-Trichloropropane	ND<10.0	Bromoform	ND<20.0
Vinyl Chloride	ND<10.0	Chloroform	ND<10.0
		Dibromochloromethane	ND<20.0

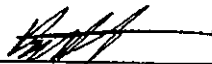
EPA Method 524.2

Comments: ND denotes Non-Detected.

NYS ELAP No.: 10709

X Value exceeds Maximum Containment Level.

Approved By Technical Director:

  
 Bruce Hoogesteger



**Volatile Laboratory Analysis Report**  
**For Drinking Water**

<b>Client:</b>	<u>Conrad Geoscience</u>	<b>Lab Project No.:</b>	07-1872
		<b>Lab Sample No.:</b>	6611
<b>Client Job Site:</b>	Apple Valley Shopping Center Lagrange, New York	<b>Sample Type:</b>	Groundwater
<b>Client Job No.:</b>	AL030070	<b>Date Sampled:</b>	05/29/07
<b>Field Location:</b>	RW-3	<b>Date Received:</b>	05/30/07
		<b>Date Analyzed:</b>	06/06/07

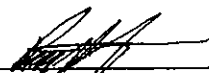
VOLATILE HALOCARBONS	RESULTS (ug/l)	VOLATILE AROMATICS	RESULTS (ug/l)
Bromochloromethane	ND<5.0	Benzene	ND<5.0
Bromomethane	ND<5.0	Bromobenzene	ND<5.0
Carbon Tetrachloride	ND<10	n-Butylbenzene	ND<5.0
Chloroethane	ND<10	sec-Butylbenzene	ND<5.0
Chloromethane	ND<5.0	tert-Butylbenzene	ND<5.0
1,2-Dibromomethane	ND<5.0	Chlorobenzene	ND<5.0
Dibromomethane	ND<5.0	2-Chlorotoluene	ND<5.0
1,2-Dibromo-3-Chloropropane	ND<10	4-Chlorotoluene	ND<5.0
Dichlorodifluoromethane	ND<5.0	1,2-Dichlorobenzene	ND<5.0
1,1-Dichloroethane	ND<5.0	1,3-Dichlorobenzene	ND<5.0
1,2-Dichloroethane	ND<5.0	1,4-Dichlorobenzene	ND<5.0
1,1-Dichloroethene	ND<5.0	Ethyl Benzene	ND<5.0
cis-1,2-Dichloroethene	93.8 X	Hexachlorobutadiene	ND<5.0
trans-1,2-Dichloroethene	ND<5.0	Isopropylbenzene	ND<5.0
1,2-Dichloropropane	ND<5.0	4-Isopropyltoluene	ND<5.0
1,3-Dichloropropane	ND<5.0	Naphthalene	ND<10
2,2-Dichloropropane	ND<10	n-Propylbenzene	ND<5.0
1,1-Dichloropropene	ND<5.0	styrene	ND<5.0
cis-1,3-Dichloropropene	ND<5.0	Toluene	ND<5.0
trans-1,3-Dichloropropene	ND<5.0	1,2,3-Trichlorobenzene	ND<5.0
Methylene Chloride	ND<10	1,2,4-Trichlorobenzene	ND<5.0
1,1,1,2-Tetrachloroethane	ND<5.0	1,2,4-Trimethylbenzene	ND<5.0
1,1,2,2-Tetrachloroethane	ND<5.0	1,3,5-Trimethylbenzene	ND<5.0
Tetrachloroethene	550 X	Xylenes, Total	ND<5.0
1,1,1-Trichloroethane	ND<5.0	Methyl-t-Butyl Ether	ND<20.0
1,1,2-Trichloroethane	ND<5.0	<u>Trihalomethanes</u>	
Trichloroethene	54.3 X	Bromodichloromethane	ND<10
Trichlorofluoromethane	ND<5.0	Bromoform	ND<10
1,2,3-Trichloropropane	ND<5.0	Chloroform	ND<5.0
Vinyl Chloride	5.2 X	Dibromochloromethane	ND<10

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non-Detected.

X Value exceeds Maximum Containment Level.

Approved By Technical Director:   
Bruce Hoogesteger

### Volatile Laboratory Analysis Report For Drinking Water

Client:	<u>Conrad Geoscience</u>	Lab Project No.:	07-1872
		Lab Sample No.:	6612
Client Job Site:	Apple Valley Shopping Center Lagrange, New York	Sample Type:	Groundwater
Client Job No.:	AL030070	Date Sampled:	05/29/07
Field Location:	AV-2	Date Received:	05/30/07
		Date Analyzed:	06/06/07

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<1.0	n-Butylbenzene	ND<0.5
Chloroethane	ND<1.0	sec-Butylbenzene	ND<0.5
Chloromethane	ND<0.5	tert-Butylbenzene	ND<0.5
1,2-Dibromomethane	ND<0.5	Chlorobenzene	ND<0.5
Dibromomethane	ND<0.5	2-Chlorotoluene	ND<0.5
1,2-Dibromo-3-Chloropropane	ND<0.5	4-Chlorotoluene	ND<0.5
Dichlorodifluoromethane	ND<0.5	1,2-Dichlorobenzene	ND<0.5
1,1-Dichloroethane	ND<0.5	1,3-Dichlorobenzene	ND<0.5
1,2-Dichloroethane	ND<0.5	1,4-Dichlorobenzene	ND<0.5
1,1-Dichloroethene	ND<0.5	Ethyl Benzene	ND<0.5
cis-1,2-Dichloroethene	6.1 X	Hexachlorobutadiene	ND<0.5
trans-1,2-Dichloroethene	ND<0.5	Isopropylbenzene	ND<0.5
1,2-Dichloropropane	ND<0.5	4-Isopropyltoluene	ND<0.5
1,3-Dichloropropane	ND<0.5	Naphthalene	ND<0.5
2,2-Dichloropropane	ND<0.5	n-Propylbenzene	ND<0.5
1,1-Dichloropropene	ND<0.5	styrene	ND<0.5
cis-1,3-Dichloropropene	ND<0.5	Toluene	ND<0.5
trans-1,3-Dichloropropene	ND<0.5	1,2,3-Trichlorobenzene	ND<1.0
Methylene Chloride	ND<1.0	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	26.0 X	Xylenes, Total	ND<0.5
1,1,1-Trichloroethane	ND<0.5	Methyl-t-Butyl Ether	2.8
1,1,2-Trichloroethane	ND<0.5		
Trichloroethene	3.8	<u>Trihalomethanes</u>	
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

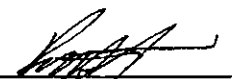
EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non-Detected.

X Value exceeds Maximum Containment Level.

Approved By Technical Director:

  
 Bruce Hoogesteger



## Volatile Laboratory Analysis Report For Drinking Water

Client:	<u>Conrad Geoscience</u>	Lab Project No.:	07-1872
		Lab Sample No.:	6613
Client Job Site:	Apple Valley Shopping Center Lagrange, New York	Sample Type:	Groundwater
Client Job No.:	AL030070	Date Sampled:	05/29/07
Field Location:	AVS-EFF	Date Received:	05/30/07
		Date Analyzed:	06/06/07

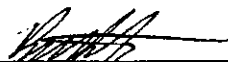
VOLATILE HALOCARBONS	RESULTS (ug/l)	VOLATILE AROMATICS	RESULTS (ug/l)
Bromochloromethane	ND<0.5	Benzene	ND<0.5
Bromomethane	ND<0.5	Bromobenzene	ND<0.5
Carbon Tetrachloride	ND<1.0	n-Butylbenzene	ND<0.5
Chloroethane	ND<1.0	sec-Butylbenzene	ND<0.5
Chloromethane	ND<0.5	tert-Butylbenzene	ND<0.5
1,2-Dibromomethane	ND<0.5	Chlorobenzene	ND<0.5
Dibromomethane	ND<0.5	2-Chlorotoluene	ND<0.5
1,2-Dibromo-3-Chloropropane	ND<0.5	4-Chlorotoluene	ND<0.5
Dichlorodifluoromethane	ND<0.5	1,2-Dichlorobenzene	ND<0.5
1,1-Dichloroethane	ND<0.5	1,3-Dichlorobenzene	ND<0.5
1,2-Dichloroethane	ND<0.5	1,4-Dichlorobenzene	ND<0.5
1,1-Dichloroethene	ND<0.5	Ethyl Benzene	ND<0.5
cis-1,2-Dichloroethene	ND<0.5	Hexachlorobutadiene	ND<0.5
trans-1,2-Dichloroethene	ND<0.5	Isopropylbenzene	ND<0.5
1,2-Dichloropropane	ND<0.5	4-Isopropyltoluene	ND<0.5
1,3-Dichloropropane	ND<0.5	Naphthalene	ND<0.5
2,2-Dichloropropane	ND<0.5	n-Propylbenzene	ND<0.5
1,1-Dichloropropene	ND<0.5	styrene	ND<0.5
cis-1,3-Dichloropropene	ND<0.5	Toluene	ND<0.5
trans-1,3-Dichloropropene	ND<0.5	1,2,3-Trichlorobenzene	ND<1.0
Methylene Chloride	ND<1.0	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	Xylenes, Total	ND<0.5
1,1,1-Trichloroethane	ND<0.5	Methyl-t-Butyl Ether	ND<2.0
1,1,2-Trichloroethane	ND<0.5		
Trichloroethene	ND<0.5	<u>Trihalomethanes</u>	
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-Detected.

Approved By Technical Director:



Bruce Hoogesteger

# PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue  
 Rochester, NY 14608  
 (585) 647-2530 • (800) 724-1997  
 FAX: (585) 647-3811  
 Apple Valley Shopping Ctr.  
 1400 Apple Valley Shopping Ctr.  
 Apple Valley, NY 14603

Adirondack

## CHAIN OF CUSTODY

COMPANY: Paradigm Environmental COMPANY: Same CLIENT PROJECT #: ALC30070  
 ADDRESS: 179 Lake Ave ADDRESS: Same LAB PROJECT #: 07-1872  
 CITY: Rochester CITY: State TURNOUR TIME (WORKING DAYS): 10-DAY  
 STATE: NY STATE: State STD: 1 2 3 5 OTH: 5  
 PHONE: 585-647-5500 PHONE: State QUOTE #: 30070  
 FAX: -3311 FAX: State  
 ATTN: Same ATTN: State  
 COMMENTS: PLEASE RETURN COLOR COMMENTS: State

DATE	TIME	COMPOSITE	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
15-29-07	10:00	X	RW-1	GW	3		6609
2	10:05	X	RW-2	GW	3		6610
3	10:14	X	RW-3	GW	3		6611
4	10:09	X	AV-2	GW	3		6612
5	10:19	X	AUS-EFF	GW	3		6613
6							
7							
8							
9							
10							

SAMPLE CONDITION: Per NELAC/ELAP 210/241/242/243/244  
 RECEIPT PARAMETER: unknown CONTAINER TYPE: unknown PRESERVATION: sent directly to sub HOLDING TIME: by client TEMPERATURE: out lab  
 SAMPLED BY: Brian P. Anderson DATE/TIME: 5-29-07/12:30 TOTAL COST: State  
 RELINQUISHED BY: Brian P. Anderson DATE/TIME: 5-29-07/17:00 P.I.F.: State  
 RECEIVED BY: Elizabeth A. Honch DATE/TIME: 5/30/07 1310  
 RECEIVED @ Lab By: State