CONRAD GEOSCIENCE CORP.
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November 11, 2008

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



Re: **3rd Quarter 2008 Groundwater Monitoring Report;**
Apple Valley Shopping Center Superfund Site, LaGrange. New York;
Index No. II-CERCLA-10224;
Conrad Geoscience File #AL030070

Dear Mr. MacCabe:

In September 2008, 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 September 9 through September 11, 2008, Conrad Geoscience collected groundwater samples from Monitoring Wells MW-1, MW-2, MW-3, MW-5, MW-6, 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).

In accordance with the IRM work plan and subsequent changes described below, residential supply well sampling was conducted at the following residences: Lot 6, Lot 9, and Lot 11 (Figure 4).

### 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.

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.

**Residential Supply Well Sampling**

According to the IRM work plan, seven residences are to be monitored on a semi-annual basis, assuming that access is granted. Lot 8 was removed from the monitoring program in August 2007 and Lots 12 and 13 were removed from the monitoring program in January 2008. Lot 10 was removed from the monitoring program because the resident recently connected to the public water system. During the third quarter monitoring program, it was discovered that Lot 9 had also recently connected to the public water system, but retained the use of their supply well for irrigation purposes. A sample was collected from the Lot 9 well, however Lot 9 will be excluded from the monitoring program in the future.

Prior to sampling, Conrad Geoscience contacted the remaining residents of the Woodbridge Estates Subdivision whose supply wells are to be monitored: Lot 6; Lot 9; and Lot 11 (Figure 4).

A granular activated carbon (GAC) filtration system is installed and in operation at Lot 11. All sampled 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, additional 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 9: 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 bathroom tap.

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

## RESULTS

### 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-1 (3.5 µg/l); MW-2 (1,988.7 µg/l); MW-3 (3.4 µg/l); MW-5 (2.4 µg/l); MW-6 (2.8 µg/l); MW-7 (22.2 µg/l); RW-1 (964.4 µg/l); RW-2 (4,160.5 µg/l); RW-3 (619.4 µg/l); and AV-2 (15.1 µg/l). The total COC concentration for AVS-EFF was 0.5 µg/l. Based on the mass loading and measured effluent concentrations of the COC, the air stripper was performing at a 99.99% removal efficiency.

### Residential Supply Wells

Sample results for the COC are summarized in Table 2. Analytical reports are attached. Total COC concentrations for untreated samples at each residence are as follows: Lot 6 (2.7 µg/l); Lot 9 (1.3 µg/l); and Lot 11 (0.9 µg/l).

The total COC concentration for the post-treatment sample at Lot 11 was 0 µg/l. The total COC concentration for the mid-treatment sample at Lot 11 was 0 µg/l.

## DISCUSSION

The September 2008 groundwater data show a decrease in total COC in Monitoring Wells MW-2 and MW-5; and an increase in total COC in Monitoring Wells MW-1, MW-3, MW-6, and MW-7 in comparison to the August 2007 groundwater monitoring data. The September 2008 groundwater data also indicate a decrease in total COC in Recovery Wells RW-3 and AV-2; and an increase in total COC in Recovery Wells RW-1 and RW-2 in comparison to the August 2007 groundwater monitoring data.

Lot 10 has been removed from the sampling program because the resident has connected to the Manchester Water District. Lot 10 connected to the municipal water district earlier this year, but has retained the use of their supply well for irrigation purposes. The resident has not yet received a water bill at the time of this report and so one could not be included. To ensure that the well piping has been disconnected from the interior house piping, Conrad Geoscience photographed the supply well piping (photographs attached). During this documentation process, Conrad Geoscience observed the interior piping to be disconnected from the supply well. The copper piping was cut off from the well piping and capped. The well water is piped into the

pressure tank and exits the house to an exterior spigot which is used for garden watering.

Lot 9 has been removed from the sampling program because the resident has connected to the Manchester Water District. Lot 9 connected to the municipal water district earlier this year, but has retained the use of their supply well for irrigation purposes. The resident has not yet received a water bill at the time of this report and so one could not be included. To ensure that the well piping has been disconnected from the interior house piping, Conrad Geoscience photographed the supply well piping (photographs attached). During this documentation process, Conrad Geoscience observed the interior piping to be disconnected from the supply well. The copper piping was cut off from the well piping and partially capped. The capping process is expected to be complete by the end of October. The untreated well water is piped into the pressure tank and exits the house via an exterior spigot which is used for garden watering. The municipal water enters the house in the opposite corner of the basement from the supply well piping and is connected directly into the existing piping.

Based on analytical data to date and on behalf of our client, Conrad Geoscience is requesting that monitoring be discontinued for certain monitoring wells and residential supply wells: Monitoring Wells MW-1, MW-3, MW-5, and MW-6; and Residential Lots 6 and 11.

Total COC concentrations in Monitoring Well MW-1 have not exceeded 3.5 µg/l since January 2006 and have measured 0 µg/l for three out of the five sampling events since that time. No COC have exceeded NYSDEC groundwater standards in those five sampling events.

Total COC concentrations in Monitoring Well MW-3 have not exceeded 4.3 µg/l in the five sampling events since January 2006. No COC have exceeded NYSDEC groundwater standards in any of the five sampling events.

Total COC concentrations in Monitoring Well MW-5 have not exceeded 4.6 µg/l in the five sampling events since January 2006. No COC have exceeded NYSDEC groundwater standards in any of the five sampling events and have not exceeded 3.3 µg/l in the last three sampling events.

Total COC concentrations in Monitoring Well MW-6 have not exceeded 6.6 µg/l in the last four sampling events since May 2006. No COC have exceeded NYSDEC groundwater standards in the three sampling events since August 2006.

Total COC concentrations in residential Lot 6 have exceeded 5.4 µg/l in only one of the seven sampling events since January 2003. Excluding February 2008, no COC have exceeded 10 NYCRR Part 5, Subpart 5-1 public water systems concentrations in those sampling events.

Excluding February 2008, total COC concentrations in residential Lot 11 have not exceeded 6.0 µg/l in the six sampling events since March 1998. Excluding February 2008, no COC have exceeded 10 NYCRR Part 5, Subpart 5-1 public water systems concentrations in those sampling events.

Prior to the July 2004 IRM, semi-annual groundwater monitoring was only required for Lots 10 and 11. Supply well sampling since implementation of the IRM demonstrated that only Lot 10 required on-going monitoring, and that lot is now connected to the municipal water district.

The next round of quarterly groundwater monitoring is scheduled for November 2008. The next round of residential supply well monitoring is scheduled for February 2009. If the Department concurs that wells MW-1, MW-3, MW-5, MW-6, Lot 6, and Lot 11 can be excluded from the groundwater monitoring program, please indicate so in writing to our office. Samples that would be collected are MW-2, MW-7, RW-1, RW-2, RW-3, AV-2, and AVS-EFF.

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

Sincerely,

CONRAD GEOSCIENCE CORP.

Stephanie P. LaRose

Stephanie P. LaRose
Geologist

SPL/seg

attachments

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

Table 1. **Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples;**
USEPA Method 524.2; collected **January 2006 through September 2008;**
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 |

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 September 2008;**
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 |

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Table 1 cont'd. **Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples;**
USEPA Method 524.2; collected **January 2006 through September 2008;**
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 |

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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 September 2008;**
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 |

Notes:
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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 September 2008;** 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 September 2008;**
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 September 2008;** 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 |
| 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 September 2008;** Apple Valley Shopping Center, LaGrange, New York; Conrad Geoscience File #AL030070

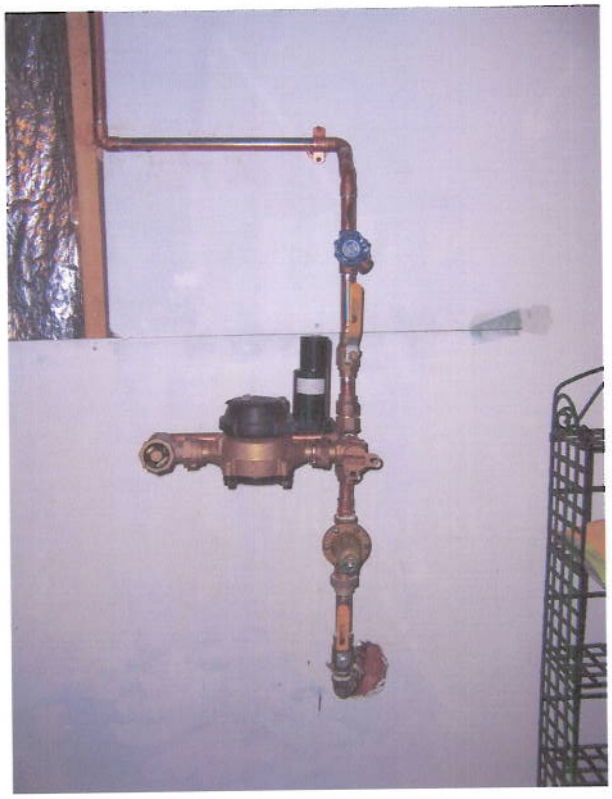
| Sample Identification | Dates Sampled | Chemical Constituent | | | | |
|---|---|---|---|---|---|---|
| | | Tetrachloroethene (5 µg/l[1]) | Trichloroethene (5 µg/l[1]) | cis-1,2-Dichloroethene (5 µg/l[1]) | Vinyl Chloride (2 µg/l[1]) | Total COC |
| ***Volatile Organic Compounds*** | | | | | | |
| Lot 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.

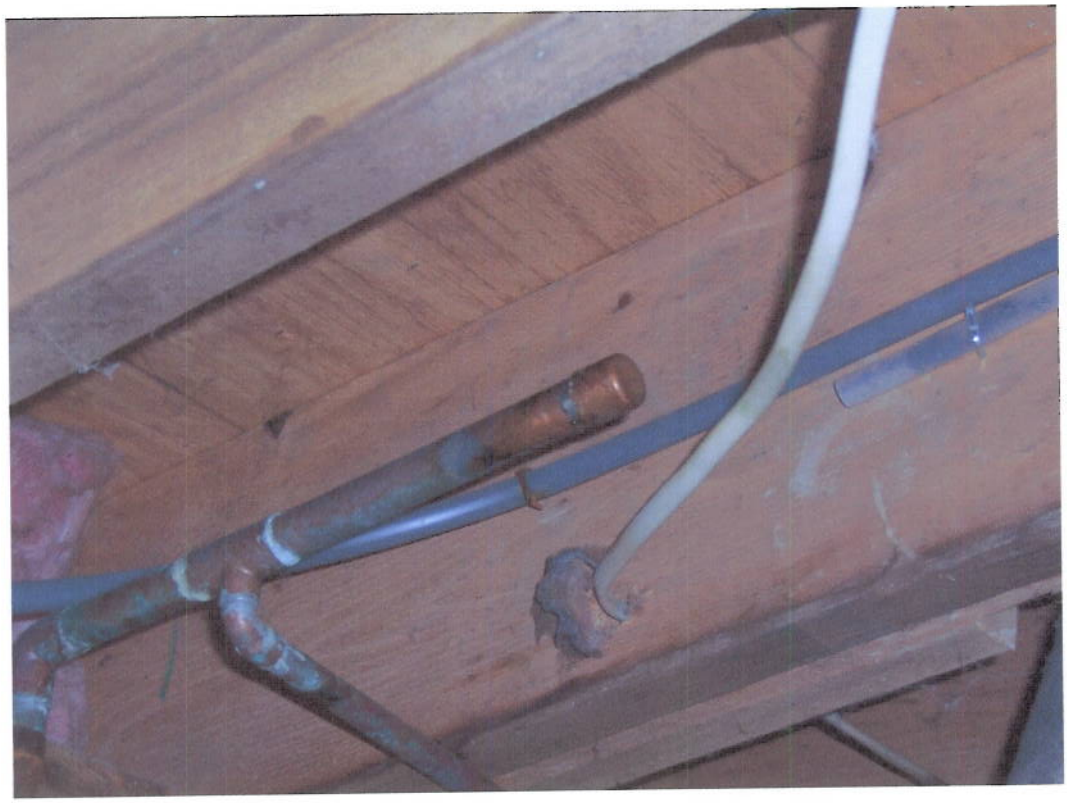
Table 2 cont'd. **Volatile Organic Compounds (VOCs) in Residential Supply Well Groundwater Samples;** USEPA Method 524.2; collected **March 1998 through September 2008;** Apple Valley Shopping Center, LaGrange, New York; Conrad Geoscience File #AL030070

| 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 |
| 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 |

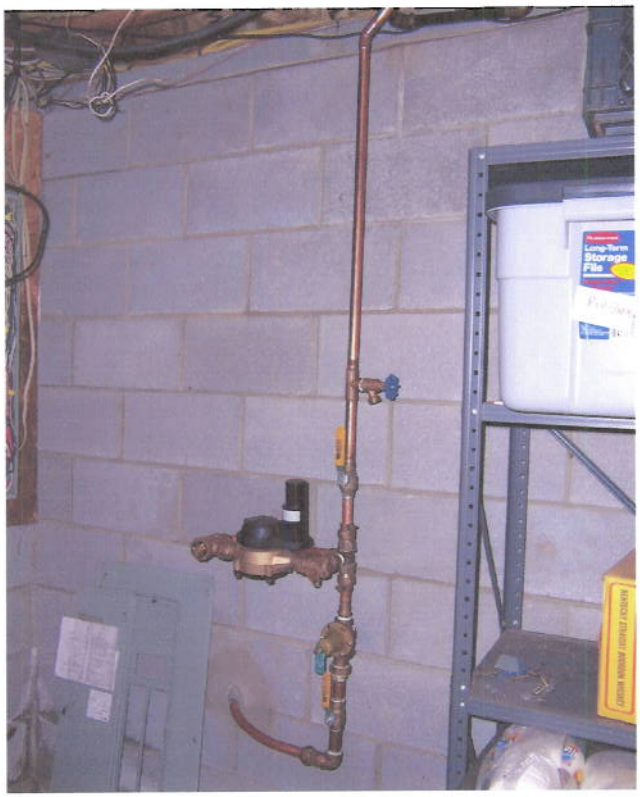
Notes:
1 - Standards are for groundwater according to 6NYCRR Part 700-705, Class GA Groundwater Standards;
All concentrations are in µg/l;
ND = Not detected above the method detection limit listed;
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;
M = Matrix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



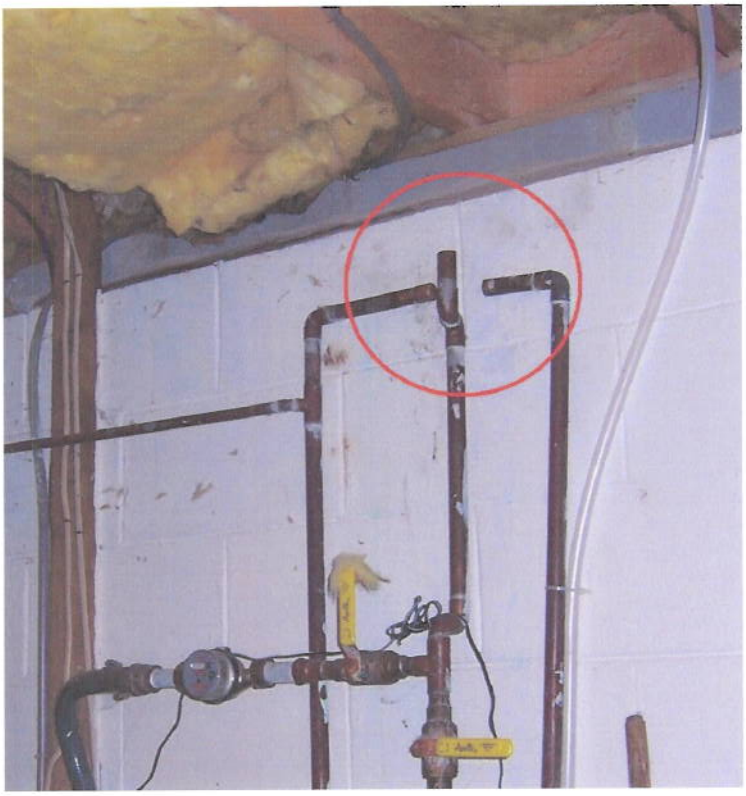
Municipal water connection in basement of Lot 10. 9-30-08.



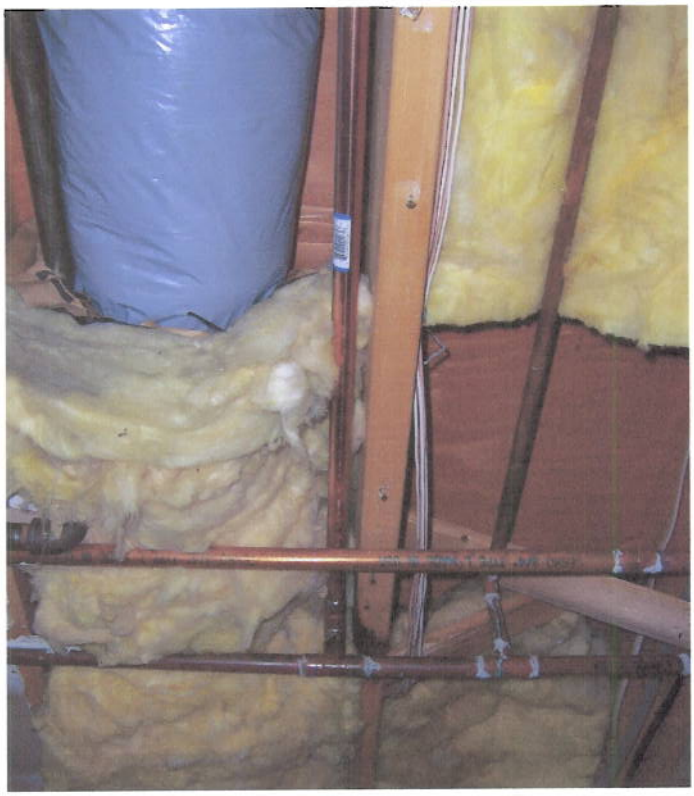
Cut and capped interior well line piping in basement of Lot 10. 9-30-08.



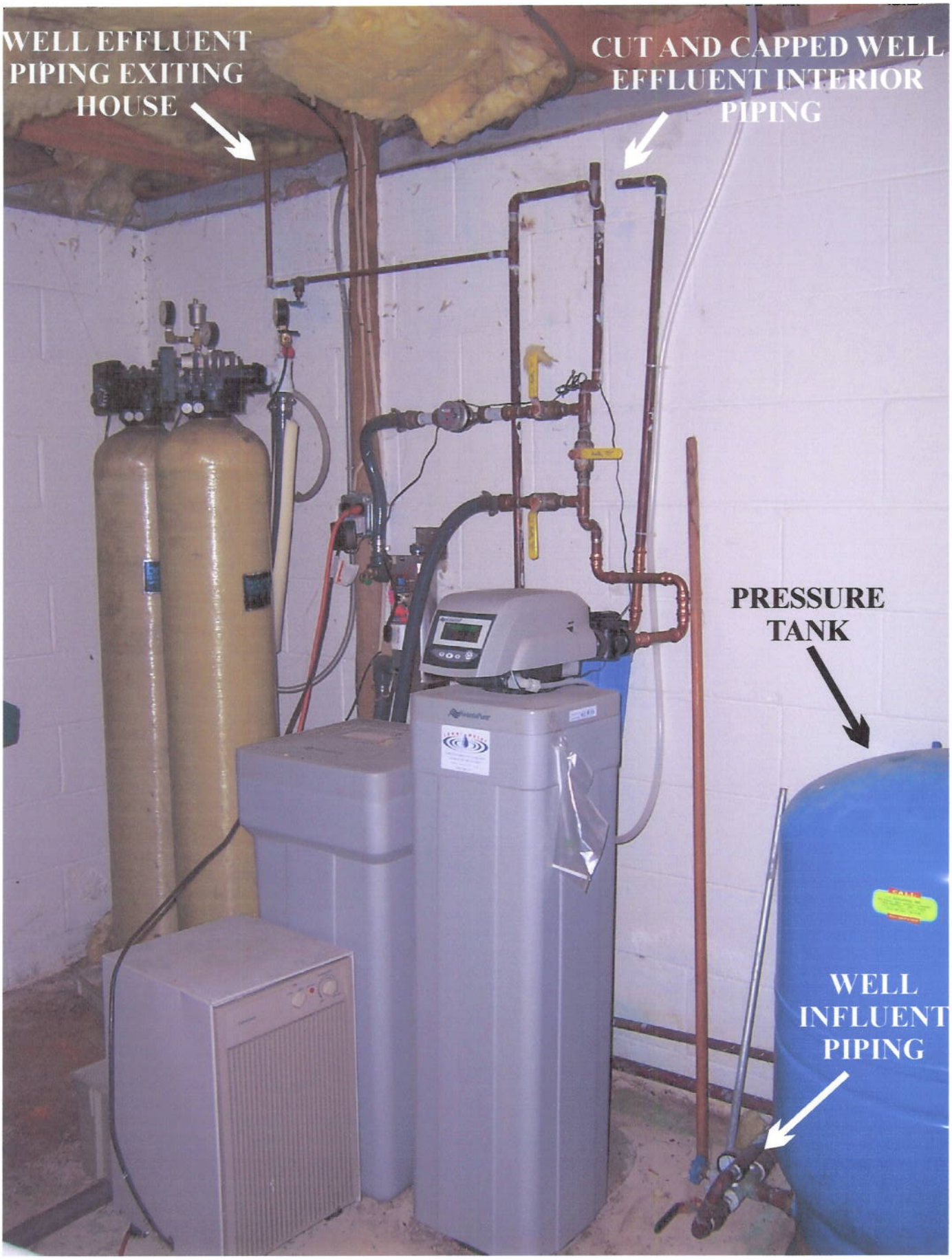
Municipal water connection in basement of Lot 9. 10-3-08.



Cut and partially capped interior well line piping in basement of Lot 9. Capping to be completed in the next month. 10-3-08.



Connection of new municipal piping into existing indoor piping in basement of Lot 9. 10-3-08.




View of supply well influent piping, pressure tank, and well effluent piping in basement of Lot 9. 10-3-08.

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ENVIRONMENTAL SERVICES, INC.

# Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 08-3309
Issued September 19, 2008
This report contains a total of 14 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 or solid samples have been reported on a dry weight basis, unless qualified "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 Drinking Water

| | | | |
|---|---|---|---|
| **Client:** | **Conrad Geoscience** | **Lab Project No.:** | 08-3309 |
| | | **Lab Sample No.:** | 10760 |
| **Client Job Site:** | Apple Valley Shopping Center LaGrange, NY | **Sample Type:** | Ground Water |
| **Client Job No.:** | AL030070 | **Date Sampled:** | 09/09/08 |
| **Field Location:** | AV-2 | **Date Received:** | 09/12/08 |
| | | **Date Analyzed:** | 09/17/08 |

| 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-Dibromoethane | 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 | | Ethylbenzene | ND<0.5 | |
| cis- 1,2-Dichloroethene | 3.3 | | 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 | 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 | 10 | 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 | 1.8 | | Trihalomethanes | ND<0.5 | |
| 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 | |
| trans-1,4-Dichloro-2-Butene | ND<0.5 | | Dibromochloromethane | ND<0.5 | |

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non-Detected.
X denotes value exceeds Maximum Contaminant Level
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: ConradGW 524.2 08-3309

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

# Volatile Laboratory Analysis Report
## For Drinking Water

| | | | |
|---|---|---|---|
| **Client:** | **Conrad Geoscience** | **Lab Project No.:** | 08-3309 |
| | | **Lab Sample No.:** | 10761 |
| **Client Job Site:** | Apple Valley Shopping Center LaGrange, NY | **Sample Type:** | Ground Water |
| **Client Job No.:** | AL030070 | **Date Sampled:** | 09/09/08 |
| **Field Location:** | RW-1 | **Date Received:** | 09/12/08 |
| | | **Date Analyzed:** | 09/17/08 |

| VOLATILE HALOCARBONS | RESULTS (ug/l) | | VOLATILE AROMATICS | RESULTS (ug/l) | |
|---|---|---|---|---|---|
| Bromochloromethane | ND<5.0 | | Benzene | ND<5.0 | |
| Bromomethane | ND<5.0 | | Bromobenzene | ND<5.0 | |
| Carbon Tetrachloride | ND<5.0 | | n-Butylbenzene | ND<5.0 | |
| Chloroethane | ND<10 | | sec-Butylbenzene | ND<5.0 | |
| Chloromethane | ND<5.0 | | tert-Butylbenzene | ND<5.0 | |
| 1,2-Dibromoethane | ND<5.0 | | Chlorobenzene | ND<5.0 | |
| Dibromomethane | ND<5.0 | | 2-Chlorotoluene | ND<5.0 | |
| 1,2-Dibromo-3-Chloropropane | ND<5.0 | | 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 | | Ethylbenzene | ND<5.0 | |
| cis- 1,2-Dichloroethene | 18.5 | X | Hexachlorobutadiene | ND<5.0 | |
| trans-1,2-Dichloroethene | ND<5.0 | | Isopropylbenzene | ND<5.0 | |
| 1,2 - Dichloropropane | ND<5.0 | | 4-Isopropyltoluene | ND<5.0 | |
| 1,3-Dichloropropane | ND<5.0 | | Naphthalene | ND<5.0 | |
| 2,2-Dichloropropane | ND<5.0 | | n-Propylbenzene | ND<5.0 | S |
| 1,1- Dichloropropene | ND<5.0 | | Styrene | ND<5.0 | |
| cis-1,3-Dichloropropene | ND<5.0 | | Toluene | ND<5.0 | |
| trans-1,3-Dichloropropene | ND<5.0 | | 1,2,3-Trichlorobenzene | ND<5.0 | |
| Methylene Chloride | 10.7 | X | 1,2,4-Trichlorobenzene | ND<5.0 | |
| 1,1,1,2-Tetrachloroethane | ND<5.0 | | 1,2,4-Trimethylbenzene | ND<5.0 | |
| 1,1,2,2-Tetrachloroethane | ND<5.0 | | 1,3,5-Trimethylbenzene | ND<5.0 | |
| Tetrachloroethene | 925 | X | m,p-Xylene | ND<5.0 | |
| 1,1,1-Trichloroethane | ND<5.0 | | o-Xylene | ND<5.0 | |
| 1,1,2-Trichloroethane | ND<5.0 | | Methyl-t-Butyl Ether | ND<20.0 | |
| Trichloroethene | 20.9 | X | Trihalomethanes | ND<5.0 | |
| Trichlorofluoromethane | ND<5.0 | | Bromodichloromethane | ND<5.0 | |
| 1,2,3-Trichloropropane | ND<5.0 | | Bromoform | ND<5.0 | |
| Vinyl Chloride | ND<5.0 | | Chloroform | ND<5.0 | |
| trans-1,4-Dichloro-2-Butene | ND<5.0 | | Dibromochloromethane | ND<5.0 | |

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non-Detected.
X denotes value exceeds Maximum Contaminant Level
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: ConradGW 524.2 08-3309

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

# Volatile Laboratory Analysis Report
## For Drinking Water

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

**Lab Project No.:** 08-3309
**Lab Sample No.:** 10762
**Sample Type:** Ground Water
**Date Sampled:** 09/09/08
**Date Received:** 09/12/08
**Date Analyzed:** 09/17/08

| VOLATILE HALOCARBONS | RESULTS (ug/l) | | VOLATILE AROMATICS | RESULTS (ug/l) | |
|---|---|---|---|---|---|
| Bromochloromethane | ND<25.0 | | Benzene | ND<25.0 | |
| Bromomethane | ND<25.0 | | Bromobenzene | ND<25.0 | |
| Carbon Tetrachloride | ND<25.0 | | n-Butylbenzene | ND<25.0 | |
| Chloroethane | ND<50.0 | | sec-Butylbenzene | ND<25.0 | |
| Chloromethane | ND<25.0 | | tert-Butylbenzene | ND<25.0 | |
| 1,2-Dibromoethane | ND<25.0 | | Chlorobenzene | ND<25.0 | |
| Dibromomethane | ND<25.0 | | 2-Chlorotoluene | ND<25.0 | |
| 1,2-Dibromo-3-Chloropropane | ND<25.0 | | 4-Chlorotoluene | ND<25.0 | |
| Dichlorodifluoromethane | ND<25.0 | | 1,2-Dichlorobenzene | ND<25.0 | |
| 1,1-Dichloroethane | ND<25.0 | | 1,3-Dichlorobenzene | ND<25.0 | |
| 1,2- Dichloroethane | ND<25.0 | | 1,4-Dichlorobenzene | ND<25.0 | |
| 1,1-Dichloroethene | ND<25.0 | | Ethylbenzene | ND<25.0 | |
| cis- 1,2-Dichloroethene | 68.0 | X | Hexachlorobutadiene | ND<25.0 | |
| trans-1,2-Dichloroethene | ND<25.0 | | Isopropylbenzene | ND<25.0 | |
| 1,2 - Dichloropropane | ND<25.0 | | 4-Isopropyltoluene | ND<25.0 | |
| 1,3-Dichloropropane | ND<25.0 | | Naphthalene | ND<25.0 | |
| 2,2-Dichloropropane | ND<25.0 | | n-Propylbenzene | ND<25.0 | S |
| 1,1- Dichloropropene | ND<25.0 | | Styrene | ND<25.0 | |
| cis-1,3-Dichloropropene | ND<25.0 | | Toluene | ND<25.0 | |
| trans-1,3-Dichloropropene | ND<25.0 | | 1,2,3-Trichlorobenzene | ND<25.0 | |
| Methylene Chloride | 53.0 | X | 1,2,4-Trichlorobenzene | ND<25.0 | |
| 1,1,1,2-Tetrachloroethane | ND<25.0 | | 1,2,4-Trimethylbenzene | ND<25.0 | |
| 1,1,2,2-Tetrachloroethane | ND<25.0 | | 1,3,5-Trimethylbenzene | ND<25.0 | |
| Tetrachloroethene | 4040 | X | m,p-Xylene | ND<25.0 | |
| 1,1,1-Trichloroethane | ND<25.0 | | o-Xylene | ND<25.0 | |
| 1,1,2-Trichloroethane | ND<25.0 | | Methyl-t-Butyl Ether | ND<100 | |
| Trichloroethene | 52.5 | X | Trihalomethanes | ND<25.0 | |
| Trichlorofluoromethane | ND<25.0 | | Bromodichloromethane | ND<25.0 | |
| 1,2,3-Trichloropropane | ND<25.0 | | Bromoform | ND<25.0 | |
| Vinyl Chloride | ND<25.0 | | Chloroform | ND<25.0 | |
| trans-1,4-Dichloro-2-Butene | ND<25.0 | | Dibromochloromethane | ND<25.0 | |

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non-Detected.
X denotes value exceeds Maximum Contaminant Level
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: ConradGW 524.2 08-3309

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179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

# Volatile Laboratory Analysis Report
## For Drinking Water

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

**Lab Project No.:** 08-3309
**Lab Sample No.:** 10763
**Sample Type:** Ground Water
**Date Sampled:** 09/09/08
**Date Received:** 09/12/08
**Date Analyzed:** 09/17/08

| VOLATILE HALOCARBONS | RESULTS (ug/l) | | VOLATILE AROMATICS | RESULTS (ug/l) | |
|---|---|---|---|---|---|
| Bromochloromethane | ND<5.0 | | Benzene | ND<5.0 | |
| Bromomethane | ND<5.0 | | Bromobenzene | ND<5.0 | |
| Carbon Tetrachloride | ND<5.0 | | n-Butylbenzene | ND<5.0 | |
| Chloroethane | ND<10 | | sec-Butylbenzene | ND<5.0 | |
| Chloromethane | ND<5.0 | | tert-Butylbenzene | ND<5.0 | |
| 1,2-Dibromoethane | ND<5.0 | | Chlorobenzene | ND<5.0 | |
| Dibromomethane | ND<5.0 | | 2-Chlorotoluene | ND<5.0 | |
| 1,2-Dibromo-3-Chloropropane | ND<5.0 | | 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 | | Ethylbenzene | ND<5.0 | |
| cis- 1,2-Dichloroethene | 85.2 | X | Hexachlorobutadiene | ND<5.0 | |
| trans-1,2-Dichloroethene | ND<5.0 | | Isopropylbenzene | ND<5.0 | |
| 1,2 - Dichloropropane | ND<5.0 | | 4-Isopropyltoluene | ND<5.0 | |
| 1,3-Dichloropropane | ND<5.0 | | Naphthalene | ND<5.0 | |
| 2,2-Dichloropropane | ND<5.0 | | n-Propylbenzene | ND<5.0 | S |
| 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 | 8.9 | X | 1,2,4-Trichlorobenzene | ND<5.0 | |
| 1,1,1,2-Tetrachloroethane | ND<5.0 | | 1,2,4-Trimethylbenzene | ND<5.0 | |
| 1,1,2,2-Tetrachloroethane | ND<5.0 | | 1,3,5-Trimethylbenzene | ND<5.0 | |
| Tetrachloroethene | 480 | X | m,p-Xylene | ND<5.0 | |
| 1,1,1-Trichloroethane | ND<5.0 | | o-Xylene | ND<5.0 | |
| 1,1,2-Trichloroethane | ND<5.0 | | Methyl-t-Butyl Ether | ND<20.0 | |
| Trichloroethene | 54.2 | X | Trihalomethanes | ND<5.0 | |
| Trichlorofluoromethane | ND<5.0 | | Bromodichloromethane | ND<5.0 | |
| 1,2,3-Trichloropropane | ND<5.0 | | Bromoform | ND<5.0 | |
| Vinyl Chloride | ND<5.0 | | Chloroform | ND<5.0 | |
| trans-1,4-Dichloro-2-Butene | ND<5.0 | | Dibromochloromethane | ND<5.0 | |

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non-Detected.
X denotes value exceeds Maximum Contaminant Level
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: ConradGW 524.2 08-3309

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

# Volatile Laboratory Analysis Report
## For Drinking Water

**Client:** Conrad Geoscience
**Client Job Site:** Apple Valley Shopping Center LaGrange, NY
**Client Job No.:** AL030070
**Field Location:** MW-7

**Lab Project No.:** 08-3309
**Lab Sample No.:** 10764
**Sample Type:** Ground Water
**Date Sampled:** 09/10/08
**Date Received:** 09/12/08
**Date Analyzed:** 09/17/08

| 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-Dibromoethane | 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 | | Ethylbenzene | ND<0.5 | |
| cis- 1,2-Dichloroethene | 3.7 | | Hexachlorobutadiene | ND<0.5 | |
| trans-1,2-Dichloroethene | ND<0.5 | | Isopropylbenzene | ND<0.5 | |
| 1,2 - Dichloropropane | ND<0.5 | | 4-Isopropyltoluene | ND<0.5 | |
| 1,3-Dichloropropane | ND<0.5 | | Naphthalene | ND<0.5 | |
| 2,2-Dichloropropane | ND<0.5 | | n-Propylbenzene | ND<0.5 | 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 | 17.1 | 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 | 1.4 | | Trihalomethanes | ND<0.5 | |
| 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 | |
| trans-1,4-Dichloro-2-Butene | ND<0.5 | | Dibromochloromethane | ND<0.5 | |

EPA Method 524.2

NYS ELAP No.: 10709

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

**Approved By Technical Director:** _____
Bruce Hoogesteger

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File ID: ConradGW 524.2 08-3309

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

# Volatile Laboratory Analysis Report
## For Drinking Water

| | | | |
|---|---|---|---|
| **Client:** | **Conrad Geoscience** | **Lab Project No.:** | 08-3309 |
| | | **Lab Sample No.:** | 10765 |
| **Client Job Site:** | Apple Valley Shopping Center LaGrange, NY | **Sample Type:** | Ground Water |
| **Client Job No.:** | AL030070 | **Date Sampled:** | 09/10/08 |
| **Field Location:** | MW-6 | **Date Received:** | 09/12/08 |
| | | **Date Analyzed:** | 09/17/08 |

| 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-Dibromoethane | 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 | Ethylbenzene | 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 | 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 | 2.8 | 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 | ND<0.5 | |
| 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 | |
| trans-1,4-Dichloro-2-Butene | ND<0.5 | Dibromochloromethane | ND<0.5 | |

EPA Method 524.2

NYS ELAP No.: 10709

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

**Approved By Technical Director:** _____
Bruce Hoogesteger

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File ID: ConradGW 524.2 08-3309

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

# Volatile Laboratory Analysis Report
## For Drinking Water

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

**Lab Project No.:** 08-3309
**Lab Sample No.:** 10766
**Sample Type:** Ground Water
**Date Sampled:** 09/10/08
**Date Received:** 09/12/08
**Date Analyzed:** 09/17/08

| VOLATILE HALOCARBONS | RESULTS (ug/l) | | VOLATILE AROMATICS | RESULTS (ug/l) | |
|---|---|---|---|---|---|
| Bromochloromethane | ND<5.0 | | Benzene | ND<5.0 | |
| Bromomethane | ND<5.0 | | Bromobenzene | ND<5.0 | |
| Carbon Tetrachloride | ND<5.0 | | n-Butylbenzene | ND<5.0 | |
| Chloroethane | ND<10 | | sec-Butylbenzene | ND<5.0 | |
| Chloromethane | ND<5.0 | | tert-Butylbenzene | ND<5.0 | |
| 1,2-Dibromoethane | ND<5.0 | | Chlorobenzene | ND<5.0 | |
| Dibromomethane | ND<5.0 | | 2-Chlorotoluene | ND<5.0 | |
| 1,2-Dibromo-3-Chloropropane | ND<5.0 | | 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 | | Ethylbenzene | ND<5.0 | |
| cis- 1,2-Dichloroethene | 484 | X | Hexachlorobutadiene | ND<5.0 | |
| trans-1,2-Dichloroethene | 28.3 | X | Isopropylbenzene | ND<5.0 | |
| 1,2 - Dichloropropane | ND<5.0 | | 4-Isopropyltoluene | ND<5.0 | |
| 1,3-Dichloropropane | ND<5.0 | | Naphthalene | ND<5.0 | |
| 2,2-Dichloropropane | ND<5.0 | | n-Propylbenzene | ND<5.0 | S |
| 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 | 8.8 | X | 1,2,4-Trichlorobenzene | ND<5.0 | |
| 1,1,1,2-Tetrachloroethane | ND<5.0 | | 1,2,4-Trimethylbenzene | ND<5.0 | |
| 1,1,2,2-Tetrachloroethane | ND<5.0 | | 1,3,5-Trimethylbenzene | ND<5.0 | |
| Tetrachloroethene | 1290 | X | m,p-Xylene | ND<5.0 | |
| 1,1,1-Trichloroethane | ND<5.0 | | o-Xylene | ND<5.0 | |
| 1,1,2-Trichloroethane | ND<5.0 | | Methyl-t-Butyl Ether | ND<20.0 | |
| Trichloroethene | 182 | X | Trihalomethanes | ND<5.0 | |
| Trichlorofluoromethane | ND<5.0 | | Bromodichloromethane | ND<5.0 | |
| 1,2,3-Trichloropropane | ND<5.0 | | Bromoform | ND<5.0 | |
| Vinyl Chloride | 32.7 | X | Chloroform | ND<5.0 | |
| trans-1,4-Dichloro-2-Butene | ND<5.0 | | Dibromochloromethane | ND<5.0 | |

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non-Detected.
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**Approved By Technical Director:** _____
Bruce Hoogesteger

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File ID: ConradGW 524.2 08-3309

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

# Volatile Laboratory Analysis Report
## For Drinking Water

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

**Lab Project No.:** 08-3309
**Lab Sample No.:** 10767
**Sample Type:** Ground Water
**Date Sampled:** 09/10/08
**Date Received:** 09/12/08
**Date Analyzed:** 09/17/08

| 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-Dibromoethane | 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 | Ethylbenzene | ND<0.5 | |
| cis- 1,2-Dichloroethene | 0.6 | 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 | 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 | 2.8 | 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 | ND<0.5 | |
| 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 | |
| trans-1,4-Dichloro-2-Butene | ND<0.5 | Dibromochloromethane | ND<0.5 | |

EPA Method 524.2

NYS ELAP No.: 10709

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**Approved By Technical Director:** _____
Bruce Hoogesteger

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File ID: ConradGW 524.2 08-3309

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

# Volatile Laboratory Analysis Report
## For Drinking Water

| | | | |
|---|---|---|---|
| **Client:** | Conrad Geoscience | **Lab Project No.:** | 08-3309 |
| | | **Lab Sample No.:** | 10768 |
| **Client Job Site:** | Apple Valley Shopping Center LaGrange, NY | **Sample Type:** | Ground Water |
| **Client Job No.:** | AL030070 | **Date Sampled:** | 09/10/08 |
| **Field Location:** | MW-1 | **Date Received:** | 09/12/08 |
| | | **Date Analyzed:** | 09/18/08 |

| 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-Dibromoethane | 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 | Ethylbenzene | 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 | 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 | 3.5 | 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 | ND<0.5 | |
| 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 | |
| trans-1,4-Dichloro-2-Butene | ND<0.5 | Dibromochloromethane | ND<0.5 | |

EPA Method 524.2

NYS ELAP No.: 10709

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

**Approved By Technical Director:** _____
Bruce Hoogesteger

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File ID: ConradGW 524.2 08-3309

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

# Volatile Laboratory Analysis Report
## For Drinking Water

**Client:** Conrad Geoscience
**Client Job Site:** Apple Valley Shopping Center, LaGrange, NY
**Client Job No.:** AL030070
**Field Location:** MW-5

**Lab Project No.:** 08-3309
**Lab Sample No.:** 10769
**Sample Type:** Ground Water
**Date Sampled:** 09/11/08
**Date Received:** 09/12/08
**Date Analyzed:** 09/18/08

| 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-Dibromoethane | 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 | Ethylbenzene | ND<0.5 |
| cis- 1,2-Dichloroethene | ND<0.5 | Hexachlorobutadiene | ND<0.5 |
| trans-1,2-Dichloroethene | ND<0.5 | Isopropylbenzene | ND<0.5 |
| 1,2 - Dichloropropane | ND<0.5 | 4-Isopropyltoluene | ND<0.5 |
| 1,3-Dichloropropane | ND<0.5 | Naphthalene | ND<0.5 |
| 2,2-Dichloropropane | ND<0.5 | n-Propylbenzene | ND<0.5 |
| 1,1- Dichloropropene | ND<0.5 | Styrene | ND<0.5 |
| cis-1,3-Dichloropropene | ND<0.5 | Toluene | ND<0.5 |
| trans-1,3-Dichloropropene | ND<0.5 | 1,2,3-Trichlorobenzene | ND<0.5 |
| Methylene Chloride | ND<0.5 | 1,2,4-Trichlorobenzene | ND<0.5 |
| 1,1,1,2-Tetrachloroethane | ND<0.5 | 1,2,4-Trimethylbenzene | ND<0.5 |
| 1,1,2,2-Tetrachloroethane | ND<0.5 | 1,3,5-Trimethylbenzene | ND<0.5 |
| Tetrachloroethene | 2.4 | 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 | ND<0.5 |
| 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 | 0.7 |
| trans-1,4-Dichloro-2-Butene | 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

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: ConradGW 524.2 08-3309

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

# Volatile Laboratory Analysis Report
## For Drinking Water

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

**Lab Project No.:** 08-3309
**Lab Sample No.:** 10770
**Sample Type:** Ground Water
**Date Sampled:** 09/11/08
**Date Received:** 09/12/08
**Date Analyzed:** 09/18/08

| VOLATILE HALOCARBONS | RESULTS (ug/l) |
|---|---|
| Bromochloromethane | ND<0.5 |
| Bromomethane | ND<0.5 |
| Carbon Tetrachloride | ND<0.5 |
| Chloroethane | ND<1.0 |
| Chloromethane | ND<0.5 |
| 1,2-Dibromoethane | ND<0.5 |
| Dibromomethane | ND<0.5 |
| 1,2-Dibromo-3-Chloropropane | ND<0.5 |
| Dichlorodifluoromethane | ND<0.5 |
| 1,1-Dichloroethane | ND<0.5 |
| 1,2- Dichloroethane | ND<0.5 |
| 1,1-Dichloroethene | ND<0.5 |
| cis- 1,2-Dichloroethene | ND<0.5 |
| trans-1,2-Dichloroethene | ND<0.5 |
| 1,2 - Dichloropropane | ND<0.5 |
| 1,3-Dichloropropane | ND<0.5 |
| 2,2-Dichloropropane | ND<0.5 |
| 1,1- Dichloropropene | ND<0.5 |
| cis-1,3-Dichloropropene | ND<0.5 |
| trans-1,3-Dichloropropene | ND<0.5 |
| Methylene Chloride | ND<0.5 |
| 1,1,1,2-Tetrachloroethane | ND<0.5 |
| 1,1,2,2-Tetrachloroethane | ND<0.5 |
| Tetrachloroethene | 0.5 |
| 1,1,1-Trichloroethane | ND<0.5 |
| 1,1,2-Trichloroethane | ND<0.5 |
| Trichloroethene | ND<0.5 |
| Trichlorofluoromethane | ND<0.5 |
| 1,2,3-Trichloropropane | ND<0.5 |
| Vinyl Chloride | ND<0.5 |
| trans-1,4-Dichloro-2-Butene | ND<0.5 |

| VOLATILE AROMATICS | RESULTS (ug/l) |
|---|---|
| Benzene | ND<0.5 |
| Bromobenzene | ND<0.5 |
| n-Butylbenzene | ND<0.5 |
| sec-Butylbenzene | ND<0.5 |
| tert-Butylbenzene | ND<0.5 |
| Chlorobenzene | ND<0.5 |
| 2-Chlorotoluene | ND<0.5 |
| 4-Chlorotoluene | ND<0.5 |
| 1,2-Dichlorobenzene | ND<0.5 |
| 1,3-Dichlorobenzene | ND<0.5 |
| 1,4-Dichlorobenzene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Hexachlorobutadiene | ND<0.5 |
| Isopropylbenzene | ND<0.5 |
| 4-Isopropyltoluene | ND<0.5 |
| Naphthalene | ND<0.5 |
| n-Propylbenzene | ND<0.5 |
| Styrene | ND<0.5 |
| Toluene | ND<0.5 |
| 1,2,3-Trichlorobenzene | ND<0.5 |
| 1,2,4-Trichlorobenzene | ND<0.5 |
| 1,2,4-Trimethylbenzene | ND<0.5 |
| 1,3,5-Trimethylbenzene | ND<0.5 |
| m,p-Xylene | ND<0.5 |
| o-Xylene | ND<0.5 |
| Methyl-t-Butyl Ether | ND<2.0 |
| Trihalomethanes | ND<0.5 |
| Bromodichloromethane | ND<0.5 |
| Bromoform | 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

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File ID: ConradGW 524.2 08-3309

**PARADIGM ENVIRONMENTAL SERVICES, INC.**

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

Conrad Geo.

# CHAIN OF CUSTODY

| | | | |
|---|---|---|---|
| COMPANY: Paradigm Environmental | COMPANY: Same | LAB PROJECT #: 08-3309 | CLIENT PROJECT #: AL030070 |
| ADDRESS: 179 LAKE Ave. | ADDRESS: | TURNAROUND TIME: (WORKING DAYS) 10-DAY | |
| CITY: Rochester STATE: N.Y. ZIP: 14608 | CITY: STATE: ZIP: | STD | OTHE |
| PHONE: 585-647-2530 FAX: ext 3311 | PHONE: FAX: | 1 2 3 5 | X |
| ATTN: Jane Dalga | ATTN: | QUOTE #: JD110705 | |
| PROJECT NAME/SITE NAME: Apple Valley Shopping Ctr. Lakeville N.Y. | COMMENTS: Please Return Cooler; please sail results to slarose@conradgeo.com | | |

| | DATE | TIME | COMPOSITE | GRAB | SAMPLE LOCATION/FIELD ID | MATRIX | NUMBER OF CONTAINERS | VOA | | | | | | | | | | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9/9/08 | 903 | | X | AV-2 | GW | 3 | X | | | | | | | | | | | 10760 |
| 2 | 9/9/08 | 911 | | X | RW-1 | GW | 3 | X | | | | | | | | | | | 10761 |
| 3 | 9/9/08 | 0922 | | X | RW-2 | GW | 3 | X | | | | | | | | | | | 10762 |
| 4 | 9/9/08 | 930 | | X | RW-3 | GW | 3 | X | | | | | | | | | | | 10763 |
| 5 | 9/10/08 | 959 | | X | MW-7 | GW | 3 | X | | | | | | | | | | | 10764 |
| 6 | 9/10 | 1205 | | X | MW-6 | GW | 3 | X | | | | | | | | | | | 10765 |
| 7 | 9/10 | 583 | | X | MW-2 | GW | 3 | X | | | | | | | | | | | 10766 |
| 8 | 9/10 | 1500 | | X | MW-3 | GW | 3 | X | | | | | | | | | | | 10767 |
| 9 | 9/10 | 1636 | | X | MW-1 | GW | 3 | X | | | | | | | | | | | 10768 |
| 10 | 9/11 | 935 | | X | MW-5 | GW | 3 | X | | | | | | | | | | | 10769 |

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

| Receipt Parameter | NELAC Compliance |
|---|---|
| Container Type: unknown-sent<br>Comments: | Y ~~X~~ ee EAH 9/11 N |
| Preservation: directly to sub lab by client<br>Comments: | Y N |
| Holding Time:<br>Comments: | Y N |
| Temperature:<br>Comments: | Y N |

Sampled By: 9-11-08 / 1000 (Date/Time)

Relinquished By: 9-11-08 / 1700 (Date/Time)

Total Cost:

Received By: Elizabeth A. Honch 9/10/08 1615 (Date/Time)

Received @ Lab By (Date/Time)

P.I.F.

09-11-'08 13:36 FROM-

T-151 P002/003 F-749

# PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Conrad Geo

## CHAIN OF CUSTODY

| | | | |
|---|---|---|---|
| COMPANY: Paradigm Environmental | COMPANY: | LAB PROJECT #: 08-3309 | CLIENT PROJECT #: AL030070 |
| ADDRESS: 179 Lake Ave | ADDRESS: | | |
| CITY: Rochester STATE: NY ZIP: 14608 | CITY: STATE: ZIP: | TURNAROUND TIME: (WORKING DAYS) 10-DAY | |
| PHONE: 585-647-2530 ext. 3311 FAX: | PHONE: FAX: | | STD ☐ 5 OTHER ☒ |
| PROJECT NAME/SITE NAME: Apple Valley Shopping Center-LaGrange, NY | ATTN: Jane Dabaja | ☐1 ☐2 ☐3 | |
| | ATTN: | QUOTE #: JD110705 | |
| | COMMENTS: Please return cooler; results to slarose@conradgeo.com | | |

| | DATE | TIME | COMPOSITE | GRAB | SAMPLE LOCATION/FIELD ID | MATRIX | NUMBER CONTAINERS | 524.2 | | | | | | | | | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9/11/08 | 1045 | | X | AVS-EFF | GW | 3 | X | | | | | | | | | | 10770 |
| 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 sublab<br>Comments: | Y ☐ | N ☐ |
| Preservation:<br>Comments: | Y ☐ | N ☐ |
| Holding Time: by client<br>Comments: | Y ☐ | N ☐ |
| Temperature:<br>Comments: | Y ☐ | N ☐ |

Sampled By — Date/Time: 9-11-08/1100

Relinquished By — Date/Time: 9-11-08/1700

Received By — Date/Time:

Received @ Lab By: Elizabeth A. Honch — Date/Time: 9/11/08 1615

Total Cost:

P.I.F. ☐

PARADIGM
ENVIRONMENTAL SERVICES, INC.

# Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 08-3241
Issued September 17, 2008
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 or solid samples have been reported on a dry weight basis, unless qualified "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 Drinking Water

| | | | |
|---|---|---|---|
| **Client:** | Conrad Geoscience | **Lab Project No.:** | 08-3241 |
| | | **Lab Sample No.:** | 10568 |
| **Client Job Site:** | Alben Residence | | |
| | LaGrange, NY | **Sample Type:** | Drinking Water |
| **Client Job No.:** | AL030070 | **Date Sampled:** | 09/05/08 |
| **Field Location:** | Alben Residence - Post | **Date Received:** | 09/09/08 |
| | | **Date Analyzed:** | 09/11/08 |

| 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-Dibromoethane | 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 | S |
| 1,1-Dichloroethene | ND<0.5 | Ethylbenzene | ND<0.5 | |
| cis- 1,2-Dichloroethene | ND<0.5 | Hexachlorobutadiene | ND<0.5 | |
| trans-1,2-Dichloroethene | ND<0.5 | Isopropylbenzene | ND<0.5 | |
| 1,2 - Dichloropropane | ND<0.5 | 4-Isopropyltoluene | ND<0.5 | |
| 1,3-Dichloropropane | ND<0.5 | Naphthalene | ND<0.5 | |
| 2,2-Dichloropropane | ND<0.5 | n-Propylbenzene | ND<0.5 | |
| 1,1- Dichloropropene | ND<0.5 | Styrene | ND<0.5 | |
| cis-1,3-Dichloropropene | ND<0.5 | Toluene | ND<0.5 | |
| trans-1,3-Dichloropropene | ND<0.5 | 1,2,3-Trichlorobenzene | ND<0.5 | |
| Methylene Chloride | ND<0.5 | 1,2,4-Trichlorobenzene | ND<0.5 | |
| 1,1,1,2-Tetrachloroethane | ND<0.5 | 1,2,4-Trimethylbenzene | ND<0.5 | |
| 1,1,2,2-Tetrachloroethane | ND<0.5 | 1,3,5-Trimethylbenzene | ND<0.5 | |
| Tetrachloroethene | ND<0.5 | m,p-Xylene | ND<0.5 | |
| 1,1,1-Trichloroethane | ND<0.5 | o-Xylene | ND<0.5 | |
| 1,1,2-Trichloroethane | ND<0.5 | Methyl-t-Butyl Ether | ND<2.0 | |
| Trichloroethene | ND<0.5 | Trihalomethanes | | |
| Trichlorofluoromethane | ND<0.5 | Bromodichloromethane | ND<0.5 | |
| 1,2,3-Trichloropropane | ND<0.5 | Bromoform | ND<0.5 | |
| Vinyl Chloride | ND<0.5 | Chloroform | ND<0.5 | |
| trans-1,4-Dichloro-2-Butene | ND<0.5 | Dibromochloromethane | ND<0.5 | |

EPA Method 524.2

NYS ELAP No.: 10709

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

**Approved By Technical Director:** _____
Bruce Hoogesteger

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File ID: ConradDW524.2 08-3241

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

# Volatile Laboratory Analysis Report
## For Drinking Water

| | | | |
|---|---|---|---|
| **Client:** | Conrad Geoscience | **Lab Project No.:** | 08-3241 |
| | | **Lab Sample No.:** | 10569 |
| **Client Job Site:** | Alben Residence | | |
| | LaGrange, NY | **Sample Type:** | Drinking Water |
| **Client Job No.:** | AL030070 | **Date Sampled:** | 09/05/08 |
| **Field Location:** | Alben Residence - Mid | **Date Received:** | 09/09/08 |
| | | **Date Analyzed:** | 09/11/08 |

| 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-Dibromoethane | 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 | S |
| 1,1-Dichloroethene | ND<0.5 | Ethylbenzene | ND<0.5 | |
| cis- 1,2-Dichloroethene | ND<0.5 | Hexachlorobutadiene | ND<0.5 | |
| trans-1,2-Dichloroethene | ND<0.5 | Isopropylbenzene | ND<0.5 | |
| 1,2 - Dichloropropane | ND<0.5 | 4-Isopropyltoluene | ND<0.5 | |
| 1,3-Dichloropropane | ND<0.5 | Naphthalene | ND<0.5 | |
| 2,2-Dichloropropane | ND<0.5 | n-Propylbenzene | ND<0.5 | |
| 1,1- Dichloropropene | ND<0.5 | Styrene | ND<0.5 | |
| cis-1,3-Dichloropropene | ND<0.5 | Toluene | ND<0.5 | |
| trans-1,3-Dichloropropene | ND<0.5 | 1,2,3-Trichlorobenzene | ND<0.5 | |
| Methylene Chloride | ND<0.5 | 1,2,4-Trichlorobenzene | ND<0.5 | |
| 1,1,1,2-Tetrachloroethane | ND<0.5 | 1,2,4-Trimethylbenzene | ND<0.5 | |
| 1,1,2,2-Tetrachloroethane | ND<0.5 | 1,3,5-Trimethylbenzene | ND<0.5 | |
| Tetrachloroethene | ND<0.5 | m,p-Xylene | ND<0.5 | |
| 1,1,1-Trichloroethane | ND<0.5 | o-Xylene | ND<0.5 | |
| 1,1,2-Trichloroethane | ND<0.5 | Methyl-t-Butyl Ether | ND<2.0 | |
| Trichloroethene | ND<0.5 | Trihalomethanes | | |
| Trichlorofluoromethane | ND<0.5 | Bromodichloromethane | ND<0.5 | |
| 1,2,3-Trichloropropane | ND<0.5 | Bromoform | ND<0.5 | |
| Vinyl Chloride | ND<0.5 | Chloroform | ND<0.5 | |
| trans-1,4-Dichloro-2-Butene | ND<0.5 | Dibromochloromethane | ND<0.5 | |

EPA Method 524.2

NYS ELAP No.: 10709

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

**Approved By Technical Director:** _____
Bruce Hoogesteger

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File ID: ConradDW524.2 08-3241

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

# Volatile Laboratory Analysis Report
## For Drinking Water

| | | | |
|---|---|---|---|
| **Client:** | Conrad Geoscience | **Lab Project No.:** | 08-3241 |
| | | **Lab Sample No.:** | 10570 |
| **Client Job Site:** | Alben Residence | | |
| | LaGrange, NY | **Sample Type:** | Drinking Water |
| **Client Job No.:** | AL030070 | **Date Sampled:** | 09/05/08 |
| **Field Location:** | Alben Residence - Pre | **Date Received:** | 09/09/08 |
| | | **Date Analyzed:** | 09/11/08 |

| 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-Dibromoethane | 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 | S |
| 1,1-Dichloroethene | ND<0.5 | Ethylbenzene | ND<0.5 | |
| cis- 1,2-Dichloroethene | ND<0.5 | Hexachlorobutadiene | ND<0.5 | |
| trans-1,2-Dichloroethene | ND<0.5 | Isopropylbenzene | ND<0.5 | |
| 1,2 - Dichloropropane | ND<0.5 | 4-Isopropyltoluene | ND<0.5 | |
| 1,3-Dichloropropane | ND<0.5 | Naphthalene | ND<0.5 | |
| 2,2-Dichloropropane | ND<0.5 | n-Propylbenzene | ND<0.5 | |
| 1,1- Dichloropropene | ND<0.5 | Styrene | ND<0.5 | |
| cis-1,3-Dichloropropene | ND<0.5 | Toluene | ND<0.5 | |
| trans-1,3-Dichloropropene | ND<0.5 | 1,2,3-Trichlorobenzene | ND<0.5 | |
| Methylene Chloride | ND<0.5 | 1,2,4-Trichlorobenzene | ND<0.5 | |
| 1,1,1,2-Tetrachloroethane | ND<0.5 | 1,2,4-Trimethylbenzene | ND<0.5 | |
| 1,1,2,2-Tetrachloroethane | ND<0.5 | 1,3,5-Trimethylbenzene | ND<0.5 | |
| Tetrachloroethene | 0.9 | 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 | |
| trans-1,4-Dichloro-2-Butene | ND<0.5 | Dibromochloromethane | ND<0.5 | |

EPA Method 524.2 NYS ELAP No.: 10709

Comments: ND denotes Non-Detected.
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: ConradDW524.2 08-3241

# PARADIGM ENVIRONMENTAL SERVICES, INC.

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

## CHAIN OF CUSTODY

| REPORT TO: | INVOICE TO: | |
|---|---|---|
| COMPANY: Conrad Geoscience | COMPANY: SAME | LAB PROJECT #: 08-3241 / CLIENT PROJECT #: ALO300TO |
| ADDRESS: One Civic Center Plaza, Suite 501 | ADDRESS: | |
| CITY: Poughkeepsie STATE: NY ZIP: 12601 | CITY: STATE: ZIP: | TURNAROUND TIME: (WORKING DAYS) 10-Day STD / OTHER |
| PHONE: 845-454-2544 FAX: -2655 | PHONE: FAX: | ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☒ |
| PROJECT NAME/SITE NAME: Alben residence - LaGrange, NY | ATTN: Stephanie LaRose | ATTN: Sara Goodwin |
| | COMMENTS: Please return cooler | QUOTE #: JD110705 |

REQUESTED ANALYSIS

| | DATE | TIME | COMPOSITE | GRAB | SAMPLE LOCATION/FIELD ID | MATRIX | NUMBER CONTAINERS | 524.2 | | | | | | | | | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9/5/08 | 815 | | X | Alben residence - Past | DW | 3 | X | | | | | | | | | | 10568 |
| 2 | 9/5/08 | 821 | | X | Alben residence - Mid | DW | 3 | X | | | | | | | | | | 10569 |
| 3 | 9/5/08 | 826 | | X | Alben residence - Pre | DW | 3 | X | | | | | | | | | | 10570 |
| 4 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |

**LAB USE ONLY BELOW THIS LINE**

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

| Receipt Parameter | NELAC Compliance | |
|---|---|---|
| Container Type: | Y ☒ | N ☐ |
| Comments: | | |
| Preservation: | Y ☒ | N ☐ |
| Comments: | | |
| Holding Time: | Y ☒ | N ☐ |
| Comments: | | |
| Temperature: | Y ☐ | N ☒ |
| Comments: 10°C iced | | |

Sampled By — Date/Time: 9-5-08 / 830

Relinquished By — Date/Time: 9-5-08 / 1400

Received By: Elizabeth A. Honch — Date/Time: 9/9/08 1100

Received @ Lab By — Date/Time

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

# Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 08-3242
Issued September 17, 2008
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 or solid samples have been reported on a dry weight basis, unless qualified "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.**

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 · ELAP ID# 10958

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

# Volatile Laboratory Analysis Report
## For Drinking Water

| | | | |
|---|---|---|---|
| **Client:** | Conrad Geoscience | **Lab Project No.:** | 08-3242 |
| | | **Lab Sample No.:** | 10571 |
| **Client Job Site:** | Gall Residence LaGrange | **Sample Type:** | Drinking Water |
| **Client Job No.:** | AL030070 | **Date Sampled:** | 09/05/08 |
| **Field Location:** | Gall | **Date Received:** | 09/09/08 |
| | | **Date Analyzed:** | 09/11/08 |

| 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-Dibromoethane | 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 | S |
| 1,1-Dichloroethene | ND<0.5 | Ethylbenzene | ND<0.5 | |
| cis- 1,2-Dichloroethene | 0.7 | Hexachlorobutadiene | ND<0.5 | |
| trans-1,2-Dichloroethene | ND<0.5 | Isopropylbenzene | ND<0.5 | |
| 1,2 - Dichloropropane | ND<0.5 | 4-Isopropyltoluene | ND<0.5 | |
| 1,3-Dichloropropane | ND<0.5 | Naphthalene | ND<0.5 | |
| 2,2-Dichloropropane | ND<0.5 | n-Propylbenzene | ND<0.5 | |
| 1,1- Dichloropropene | ND<0.5 | Styrene | ND<0.5 | |
| cis-1,3-Dichloropropene | ND<0.5 | Toluene | ND<0.5 | |
| trans-1,3-Dichloropropene | ND<0.5 | 1,2,3-Trichlorobenzene | ND<0.5 | |
| Methylene Chloride | ND<0.5 | 1,2,4-Trichlorobenzene | ND<0.5 | |
| 1,1,1,2-Tetrachloroethane | ND<0.5 | 1,2,4-Trimethylbenzene | ND<0.5 | |
| 1,1,2,2-Tetrachloroethane | ND<0.5 | 1,3,5-Trimethylbenzene | ND<0.5 | |
| Tetrachloroethene | 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 | 0.6 | 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 | |
| trans-1,4-Dichloro-2-Butene | ND<0.5 | Dibromochloromethane | ND<0.5 | |

EPA Method 524.2 NYS ELAP No.: 10709

Comments: ND denotes Non-Detected.
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: ConradDW524.2 08-3242

# PARADIGM ENVIRONMENTAL SERVICES, INC.

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

## CHAIN OF CUSTODY

| REPORT TO: | INVOICE TO: | |
|---|---|---|
| COMPANY: Conrad Geoscience | COMPANY: SAME | LAB PROJECT #: 08-3242 / CLIENT PROJECT #: AL030070 |
| ADDRESS: One Civic Center Plaza Suite 501 | ADDRESS: | |
| CITY: Poughkeepsie STATE: NY ZIP: 12601 | CITY: STATE: ZIP: | TURNAROUND TIME: (WORKING DAYS) 10-Day |
| PHONE: 845-454-2544 FAX: -2655 | PHONE: FAX: | STD ☐ OTHER ☒ (1 ☐ 2 ☐ 3 ☐ 5 ☐) |
| PROJECT NAME/SITE NAME: Gall residence - Lagrange | ATTN: Stephanie LaRose | ATTN: Sara Goodwin |
| | COMMENTS: Please return cooler | QUOTE #: JD110705 |

REQUESTED ANALYSIS: 524.2

| | DATE | TIME | COMPOSITE | GRAB | SAMPLE LOCATION/FIELD ID | MATRIX | NUMBER CONTAINERS | 524.2 | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9/5/08 | 950 | | X | Gall | DW | 3 | X | | 10571 |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
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| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |

**LAB USE ONLY BELOW THIS LINE**

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

| Receipt Parameter | NELAC Compliance | |
|---|---|---|
| Container Type: | Y ☒ | N ☐ |
| Comments: | | |
| Preservation: | Y ☒ | N ☐ |
| Comments: | | |
| Holding Time: | Y ☒ | N ☐ |
| Comments: | | |
| Temperature: | Y ☐ | N ☒ |
| Comments: 10°C iced | | |

Sampled By — Date/Time: 9/5/08 - 1000

Relinquished By — Date/Time: 9/5/08 - 1400

Received By — Date/Time:

Received @ Lab By: Elizabeth A. Honcik — Date/Time: 9/9/08 1105

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

# Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 08-3243
Issued September 17, 2008
This report contains a total of 3 pages

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

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**"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.**

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 · ELAP ID# 10958

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

# Volatile Laboratory Analysis Report
# For Drinking Water

| | | | |
|---|---|---|---|
| **Client:** | Conrad Geoscience | **Lab Project No.:** | 08-3243 |
| | | **Lab Sample No.:** | 10572 |
| **Client Job Site:** | Lipka Residence LaGrange | **Sample Type:** | Drinking Water |
| **Client Job No.:** | AL030070 | **Date Sampled:** | 09/05/08 |
| **Field Location:** | Lipka | **Date Received:** | 09/09/08 |
| | | **Date Analyzed:** | 09/11/08 |

| 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-Dibromoethane | 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 | S |
| 1,1-Dichloroethene | ND<0.5 | Ethylbenzene | ND<0.5 | |
| cis- 1,2-Dichloroethene | 0.6 | Hexachlorobutadiene | ND<0.5 | |
| trans-1,2-Dichloroethene | ND<0.5 | Isopropylbenzene | ND<0.5 | |
| 1,2 - Dichloropropane | ND<0.5 | 4-Isopropyltoluene | ND<0.5 | |
| 1,3-Dichloropropane | ND<0.5 | Naphthalene | ND<0.5 | |
| 2,2-Dichloropropane | ND<0.5 | n-Propylbenzene | ND<0.5 | |
| 1,1- Dichloropropene | ND<0.5 | Styrene | ND<0.5 | |
| cis-1,3-Dichloropropene | ND<0.5 | Toluene | ND<0.5 | |
| trans-1,3-Dichloropropene | ND<0.5 | 1,2,3-Trichlorobenzene | ND<0.5 | |
| Methylene Chloride | ND<0.5 | 1,2,4-Trichlorobenzene | ND<0.5 | |
| 1,1,1,2-Tetrachloroethane | ND<0.5 | 1,2,4-Trimethylbenzene | ND<0.5 | |
| 1,1,2,2-Tetrachloroethane | ND<0.5 | 1,3,5-Trimethylbenzene | ND<0.5 | |
| Tetrachloroethene | 2.1 | 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 | |
| trans-1,4-Dichloro-2-Butene | ND<0.5 | Dibromochloromethane | ND<0.5 | |

EPA Method 524.2

NYS ELAP No.: 10709

Comments: ND denotes Non-Detected.
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: ConradDW524.2 08-3243

# PARADIGM ENVIRONMENTAL SERVICES, INC.

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

## CHAIN OF CUSTODY

| REPORT TO: | INVOICE TO: | |
|---|---|---|
| COMPANY: Conrad Geoscience | COMPANY: | LAB PROJECT #: 08-3243 / CLIENT PROJECT #: ALO3070 |
| ADDRESS: One Civic Center Plaza Suite 501 | ADDRESS: | |
| CITY: Poughkeepsie STATE: NY ZIP: 12601 | CITY: STATE: ZIP: | TURNAROUND TIME: (WORKING DAYS) 10-Day STD / OTHER |
| PHONE: 845-454-2544 FAX: -2655 | PHONE: FAX: | |
| PROJECT NAME/SITE NAME: Lipka residence - LaGrange | ATTN: Stephanie LaRose | ATTN: 1 2 3 5 X |
| | COMMENTS: Please return cooler | QUOTE #: JD116705 |

REQUESTED ANALYSIS: 524.2

| | DATE | TIME | COMPOSITE | GRAB | SAMPLE LOCATION/FIELD ID | MATRIX | NUMBER CONTAINERS | 524.2 | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9/5/08 | 917 | | X | Lipka | DW | 3 | X | | 10572 |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
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| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |

**LAB USE ONLY BELOW THIS LINE**

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

| Receipt Parameter | NELAC Compliance | |
|---|---|---|
| Container Type: Comments: | Y [X] | N [ ] |
| Preservation: Comments: | Y [X] | N [ ] |
| Holding Time: Comments: | Y [X] | N [ ] |
| Temperature: Comments: 10°C iced | Y [ ] | N [X] |

Sampled By — Date/Time: 9/5/08 - 9:20

Relinquished By — Date/Time: 9/5/08 - 1400

Received By: Elizabeth A. Honck — Date/Time: 9/9/08 1110

Received @ Lab By — Date/Time

Total Cost:

P.I.F.