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Environmental Scientists One Civic Center Plaza, Suite 501, Poughkeepsie, New York 12601 • 845/454-2544 • fax: 845/454-2655

May 26, 2010

Re:

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

1st Quarter 2010 Groundwater Monitoring Report;

Apple Valley Shopping Center Superfund Site, LaGrange, New York; Index No. II-CERCLA-10224; NYSDEC Site #3-14-084; Conrad Geoscience File #AL030070

Dear Mr. Mizerak:

In February 2010, Conrad Geoscience Corp. continued the groundwater monitoring program at the Apple Valley Shopping Center (Figure 1) in accordance with the NYSDEC-approved Interim Remedial Measure (IRM) Work Plan dated July 2, 2004 and subsequently modified.

QUARTERLY GROUNDWATER MONITORING

On April 17, 2010, 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 well casing and a groundwater contour map was prepared based on these measurements (Figure 3).

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

Recovery Well Sampling

Recovery well water samples were collected via in-line sample ports prior to 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) using USEPA Method 524.2.

Groundwater Monitoring Apple Valley Shopping Center May 26, 2010 Page 2

Residential Supply Well Sampling

According to the original IRM Work Plan, the drinking water wells for seven residences of the Woodbridge Estates Subdivision are to be monitored on a semi-annual basis, assuming access is granted. All but Lots 6 and 11 have been subsequently removed from the monitoring program. Prior to sampling, Conrad Geoscience contacted the two remaining residents whose supply wells are to be monitored: Lot 6 and Lot 11 (Figure 4). Despite the availability of public drinking water, a granular activated carbon (GAC) filtration system is installed and in operation at Lot 11. Both residences have water softeners.

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

- Lot 6: Water sample collected from spigot at pressure tank, before water softener.
- Lot 11: Untreated water sample collected from spigot at pressure tank, before water softener and GAC filtration system. Mid-treatment sample collected from sample port between two GAC filtration canisters. Post-treatment sample collected from the bathroom tap.

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

RESULTS

Recovery Wells

Sample results for the contaminants of concern (COC), tetrachloroethene; trichloroethene; cis-1,2-dichloroethene; and vinyl chloride, are summarized in Table 1. Analytical reports are attached. Total COC concentrations for each well are as follows:

- RW-1 (281.3 μg/l)
- RW-2 (1,070 μg/l)
- RW-3 (2,124 μg/l)
- AV-2 (75.6 µg/l)



Groundwater Monitoring Apple Valley Shopping Center May 26, 2010 Page 3

The total COC concentration for AVS-EFF was 4.4 μ g/l. Based on mass loading and measured effluent concentrations of COCs, the air stripper was performing at 99.9% removal efficiency.

Residential Supply Wells

Sample results for COCs are summarized in Table 2. Analytical reports are attached. Total COC concentrations for untreated samples at each residence are as follows:

- Lot 6 (2.3 μ g/l)
- Lot 11 (1.2 μg/l)

No COCs were detected in the mid-treatment or post-treatment samples at Lot 11.

DISCUSSION

As indicated by the groundwater contour map (Figure 3), hydraulic gradients formed by the groundwater extraction and treatment system demonstrate that groundwater movement is toward the recovery wells and away from adjacent properties and perimeter wells. We conclude, therefore, that the extraction and treatment system continues to exert effective plume control.

Recovery Wells

The February 2010 groundwater data generally indicate an increase in total COC in Recovery Wells RW-1, RW-1, RW-3, and AV-2 in comparison to the December 2009 groundwater monitoring data. The February 2010 groundwater data indicates the total COC concentrations in Recovery Wells RW-1, RW-2, and AV-2 are comparable to historic values. COC concentrations in RW-3 are higher than any previous round of monitoring.

Residential Wells

The February 2010 groundwater data indicate a decrease in total COC concentrations at residential Lot 6 in comparison to the August 2009 groundwater monitoring data. PCE in the Lot 6 well was present at a concentration of 2.3 μ g/l. Concentrations are comparable to historic values.

The February 2010 groundwater data indicate a slight decrease in total COC concentrations at residential Lot 11 in comparison to the September 2009 groundwater monitoring data. PCE in the Lot 11 well was present at a concentration of 1.2 μ g/l. Concentrations are comparable to historic values.



Groundwater Monitoring Apple Valley Shopping Center May 26, 2010 Page 4

SCHEDULE

The next round of quarterly groundwater monitoring is scheduled for May 2010. The next round of residential supply well monitoring is scheduled for August 2010. If you have any questions, please do not hesitate to call.

Sincerely,

CONRAD GEOSCIENCE CORP.

Stephanie P. LaRose

Stephanie P. LaRose

Geologist

SPL/tla

attachments

cc: D. Engel

J. Klein

M. Millspaugh

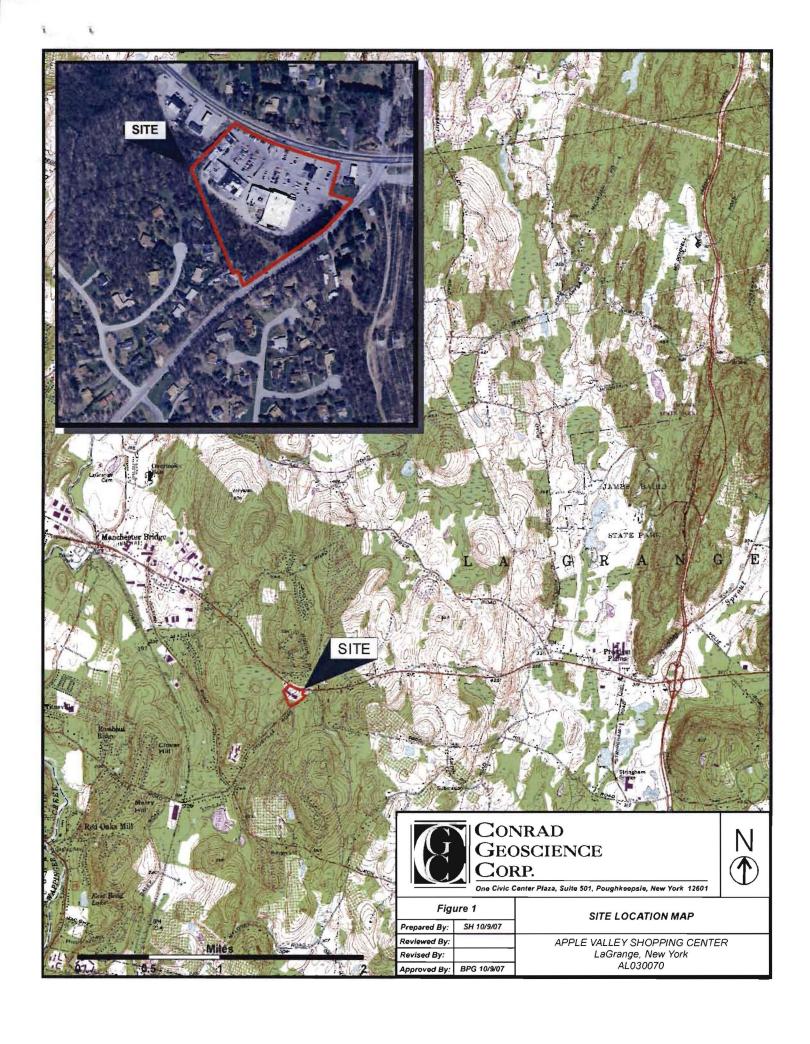
F. Navratil

D. MacDougal

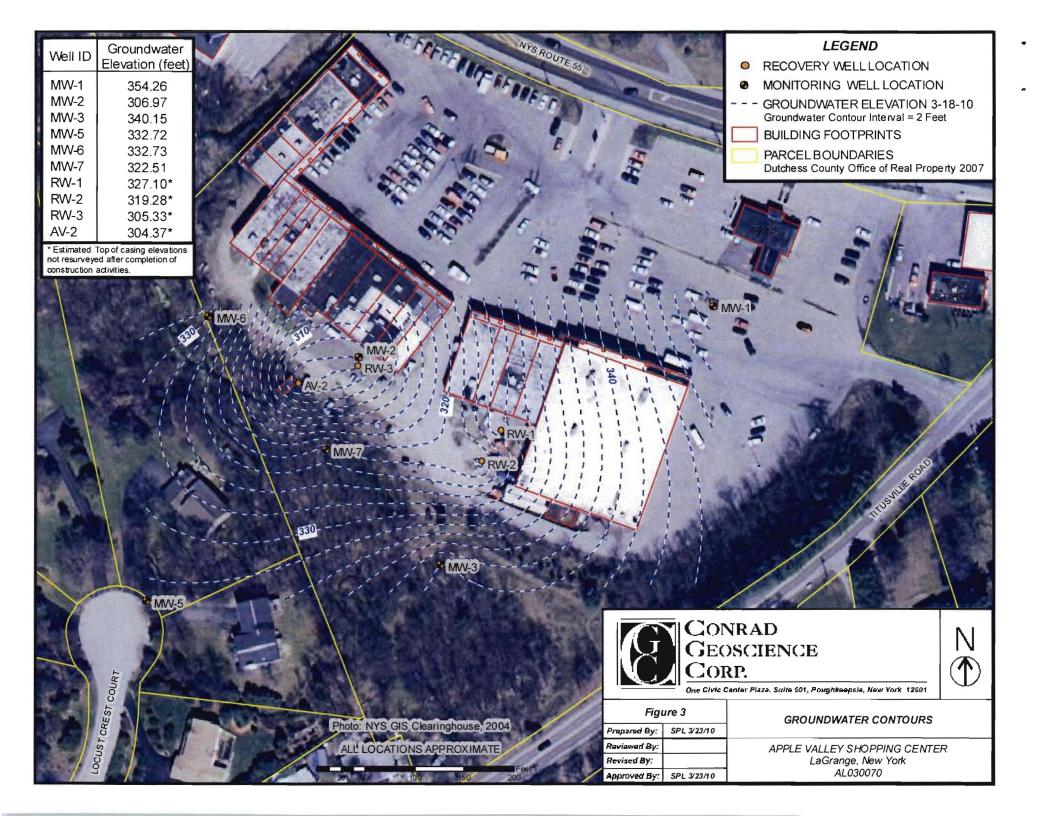
J. Harmon



FIGURES







TABLES

Table 1. Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples; USEPA Method 524.2; collected January 2006 through February 2010; Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070

| Sample | Dates | Chemical Constituent | | | | | | |
|-----------------|--------------|--------------------------------|---|--|-----------------------------|--------------|--|--|
| Identification | Sampled | Tetrachloroethene (5 µg/l¹) | Trichloroethene (5 µg/l ¹) | cis-1,2- Dichloroethene (5 µg/l ¹) | Vinyl Chloride (2 µg/l¹) | Total COC | | |
| Volatile Organi | ic Compounds | | | | | | | |
| | 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 | | |
| RW-1 | 11-28-07 | 606 | 7.8 | 7.4 | ND < 2.5 | 621.2 | | |
| | 2-28-08 | 1,400 | 14.0 | 18.4 | ND < 10 | 1,432.4 | | |
| | 5-27-08 | 1,170 | 45.0 | 102 | ND<10 | 1,317 | | |
| | 9-9-08 | 925 | 20.9 | 18.5 | ND<5.0 | 964.4 | | |
| | 11-25-08 | 3,090 | ND<50.0 | ND<50.0 | ND<50.0 | 3,090 | | |
| | 3-5-09 | 500 | 15.2 | ND<10 | ND<10 S | 515.2 | | |
| | 5-27-09 | 412 | 17.8 | ND<10 | ND<10 | 429.8 | | |
| | 8-25-09 | 134 | 10 | 5.2 | ND<5.0 | 149.2 | | |
| | 12-8-09 | 264 | 11.4 | ND<5 | ND<5 | 275.4 | | |
| | 2-17-10 | 271 | 7.1 | 3.2 | ND<0.5 | 281.3 | | |



^{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,

NU = 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 February 2010; Apple Valley Shopping Center, Lagrange, New York;

Conrad Geoscience File #AL030070

| Sample | Dates | ····· | | Chemical Constituent | | |
|-----------------|-------------|---|---|--|--|--------------|
| Identification | Sampled | 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 Organi | c Compounds | | | | | |
| | 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 |
| RW-2 | 11-28-07 | 1,770 | ND < 10.0 | ND < 10.0 | ND < 10.0 | 1,770 |
| | 2-28-08 | 4,700 | 30.5 | 46.0 | ND < 25 | 4,776.5 |
| | 5-27-08 | 2,510 | 187 | 114 | ND<25.0 | 2,811 |
| | 9-9-08 | 4,040 | 52.5 | 68.0 | ND<25.0 | 4,160.5 |
| | 11-25-08 | 4,790 | ND < 100.0 | ND < 100.0 | ND < 100.0 | 4,790 |
| | 3-5-09 | 4,800 | ND<100 | ND<100 | ND<100 S | 4,800 |
| | 5-27-09 | 5,090 | ND<100 | ND<100 | ND<100 | 5,090 |
| | 8-25-09 | 2,610 | ND<100 | ND<100 | ND<100 S | 2,610 |
| | 12-8-09 | 861 | ND<25 | ND<25 | ND<25 | 861 |
| | 2-17-10 | 1,070 | ND<50 | ND<50 | ND<50 | 1,070 |



Standards are for groundwater according to 6NYCRR Part 700-705. Class GA Groundwater Standards;

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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 February 2010; Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070

| Sample | Dates | Chemical Constituent | | | | | | |
|-----------------|-------------|--------------------------------|------------------------------|--|-----------------------------|--------------|--|--|
| Identification | Sampled | Tetrachloroethene (5 μg/l¹) | Trichloroethene (5 µg/l¹) | cis-1,2- Dichloroethene (5 μg/l ¹) | Vinyl Chloride (2 μg/l¹) | Total COC | | |
| Volatile Organi | c Compounds | t. | | | | | | |
| | 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 | | |
| RW-3 | 11-28-07 | 541 | 57.0 | 103 | ND < 5.0 S | 701 | | |
| | 2-28-08 | 618 | 53.0 | 99.7 | ND < 5.0 | 770.7 | | |
| | 5-27-08 | 543 | 55.2 | 89.8 | ND<10 | 688 | | |
| | 9-9-08 | 480 | 54.2 | 85.2 | ND<5.0 | 619.4 | | |
| | 11-25-08 | 876 | 82.2 | 120 | ND<10 | 1,078.2 | | |
| | 3-5-09 | 347 | 38.8 | 49.4 | ND<10 S | 435.2 | | |
| | 5-27-09 | 351 | 40.6 | 42.2 | ND<10 | 433.8 | | |
| | 8-25-09 | 423 | 53.4 | 75.4 | ND<10 | 551.8 | | |
| | 12-8-09 | 763 | 83.8 | 78.2 | ND<10 | 925 | | |
| | 2-17-10 | 1,770 | 172 | 182 | ND<50 | 2,124 | | |



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All concentrations are in µg/l;
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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 February 2010; Apple Valley Shopping Center, Lagrange, New York;

Conrad Geoscience File #AL030070

| Sample | Dates | · | | Chemical Constituent | | |
|----------------|--------------|---|---|--|-----------------------------|--------------|
| Identification | Sampled | Tetrachloroethene (5 μg/l ¹) | Trichloroethene (5 µg/l ¹) | cis-1,2- Dichloroethene (5 µg/l ¹) | Vinyl Chloride (2 µg/l¹) | Total COC |
| Volatile Organ | ic Compounds | 3 | | | | |
| | 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 |
| AV-2 | 11-28-07 | 13.2 | 2.1 | 3.6 | ND < 0.5 S | 18.9 |
| | 2-28-08 | 126 | 10.7 | 26.2 | ND < 0.5 | 162.9 |
| | 5-27-08 | 98.5 | 10.4 | 24.3 | ND<0.5 | 133.2 |
| | 9-9-08 | 10 | 1.8 | 3.3 | ND<0.5 | 15.1 |
| | 11-25-08 | 20.9 | 3.3 | 4.6 | ND<0.5 | 28.8 |
| | 3-5-09 | 180 | 17.5 | 31.4 | ND<0.5 | 228.9 |
| | 5-27-09 | 146 | 19.5 | 22.5 | ND<5.0 | 188 |
| | 8-25-09 | 45.4 | 5.6 | 9.1 | ND<2.5 S | 60.1 |
| | 12-8-09 | 40.3 | 5.2 | 5.8 | ND<1 | 51.3 |
| | 2-17-10 | 59.4 | 7.4 | 8.8 | ND<0.5 | 75.6 |



Notes:

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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 February 2010;

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

| Sample | Dates | | | Chemical Constituent | | |
|-----------------|--------------|--------------------------------|------------------------------|---|--|--------------|
| Identification | Sampled | Tetrachloroethene (5 μg/l¹) | Trichloroethene (5 µg/l¹) | cis-1,2- Dichloroethene (5 µg/1¹) | Vinyl Chloride (2 µg/l ¹) | Total COC |
| Volatile Organi | ic Compounds | | | | | |
| | 2-9-06 | 146 | 8.3 | 22.1 | ND < 0.5 | 176.4 |
| | 3-9-06 | 12.3 | 1.1 | 1.4 | ND < 0.5 | 14.8 |
| | 5-16-06 | 14 | 0.6 | 1.5 | ND < 0.5 | 16.1 |
| | 7-5-06 | 1.7 | ND < 0.5 | ND < 0.5 | ND < 0.5 | 1.7 |
| | 8-22-06 | 7.4 | ND < 0.5 | ND < 0.5 | ND < 0.5 | 7.4 |
| | 11-28-06 | 85.8 | 4.9 | 13.0 | ND < 0.5 | 103.7 |
| | 12-11-06 | 2.1 | ND < 0.5 | ND < 0.5 | ND < 0.5 | 2.1 |
| | 3-1-07 | 2.4 | ND < 0.5 | ND < 0.5 | ND < 0.5 | 2.4 |
| | 5-29-07 | ND < 0.5 | ND < 0.5 | ND < 0.5 | ND < 0.5 | 0 |
| | 8-28-07 | 2.0 | ND < 0.5 | ND < 0.5 | ND < 0.5 | 2.0 |
| AVS-EFF | 11-28-07 | ND < 0.5 | ND < 0.5 | ND < 0.5 | ND < 0.5 S | 0 |
| | 2-28-08 | 2.8 | ND < 0.5 | ND < 0.5 | ND < 0.5 | 2.8 |
| | 5-27-08 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 0 |
| | 9-11-08 | 0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 0.5 |
| | 11-25-08 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND |
| | 3-5-09 | 1.4 | ND<0.5 | ND<0.5 | ND<0.5 | 1.4 |
| | 5-27-09 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND |
| | 8-25-09 | 1.6 | ND<0.5 | 0.7 | ND<0.5 | 2.3 |
| | 12-30-09 | 4.3 | 0.5 | 1.1 | ND<0.5 | 5.9 |
| | 2-17-10 | 3.6 | ND<0.5 | 0.8 | ND<0.5 | 4.4 |

M = Matrix spike recoveries outside QC limits Matrix bias indicated;
 COC = Contaminants of concern.



^{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;

Table 1 cont'd. Volatile Organic Compounds (VOCs) in Quarterly Groundwater Monitoring Samples; USEPA Method 524.2; collected January 2006 through February 2010; Apple Valley Shopping Center, Lagrange, New York;

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|--------|------------|-------|--------------------|---------|
| Conrad | Geoscience | F110 | ĦΑΙ | OBOALA |
| Comad | | 1 110 | π / \mathbb{L} | .000010 |

| Sample | Dates | - | | Chemical Constituent | | |
|----------------|-------------|--------------------------------|---------------------------------------|--|-----------------------------|--------------|
| Identification | Sampled | Tetrachloroethene (5 µg/l¹) | Trichloroethene (5 μg/l¹) | cis-1,2- Dichloroethene (5 µg/l ¹) | Vinyl Chloride (2 µg/l¹) | Total COC |
| Volatile Organ | ic Compound | fs. | · · · · · · · · · · · · · · · · · · · | | | |
| | 1-16-06 | 35.5 | 1.4 | 2.0 | ND < 0.5 | 38.9 |
| AV-1 | 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 |
| · | 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 |
| MW-1 | 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 |
| | 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 |
| ARIA/ O | 8-22-06 | 2,710 | 390 | 943 M | 24.2 | 4,067.2 |
| MW-2 | 8-28-07 | 2,760 | 396 | 752 | 31.0 | 3,939 |
| | 9-10-08 | 1,290 | 182 | 484 | 32.7 | 1,988.7 |
| | 8-25-09 | 2,630 | 440 | 772 | ND<100 S | 3,842 |
| | 1-16-06 | 0.6 | ND < 0.5 | ND < 0.5 | ND < 0.5 | 0.6 |
| | 5-16-06 | 2.6 | ND < 0.5 | N D < 0.5 | ND < 0.5 | 2.6 |
| MW-3 | 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 |



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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;

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 February 2010; Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070

| Sample | Dates | | | Chemical Constituent | | |
|----------------|-------------|--------------------------------|------------------------------|--|--|--------------|
| Identification | Sampled | Tetrachloroethene (5 µg/l¹) | Trichloroethene (5 µg/l¹) | cis-1,2- Dichloroethene (5 µg/l ¹) | Vinyl Chloride (2 µg/l ¹) | Total COC |
| Volatile Organ | ic Compound | ls, | , | | | |
| | 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 |
| MW-5 | 3-5-07 | 2.0 | ND < 0.5 | ND < 0.5 | ND < 0.5 | 2.0 |
| IVIVV-5 | 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 |
| | 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 |
| MW-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 |
| _ | 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 |
| \$ #\A/ 7 | 8-22-06 | 23.6 | 2.8 | 8.7 M | ND < 0.5 | 35.1 |
| MW-7 | 8-28-07 | 12.5 | 1.9 | 2.8 | ND < 0.5 | 17.2 |
| | 9-10-08 | 17.1 | 1.4 | 3.7 | ND<0.5 | 22.2 |
| | 8-25-09 | 27.2 | 3.9 | 8.0 | ND<0.5 S | 39.1 |



Notes:

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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 February 2010; Apple Valley Shopping Center, LaGrange, New York; Conrad Geoscience File #AL030070

| | | | | Chemical Constituent | | |
|--------------------------|------------------|--------------------------------|------------------------------|---|--|--------------|
| Sample Identification | Dates Sampled | Tetrachloroethene (5 µg/l¹) | Trichloroethene (5 µg/l¹) | cis-1,2- Dichloroethene (5 µg/l¹) | Vinyl Chloride (2 µg/l ¹) | Total COC |
| Volatile Organ | ic Compounds | | | | | |
| | 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 |
| Ī | 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 |
| Lot 6 | 2-27-08 | 9.8 | 0.6 | 1.3 | ND<0.5 | 11.7 |
| (Lipka) | 6-3-08 | 3.0 | ND<0.5 | 0.6 | ND<0.5 | 3.6 |
| | 9-5-08 | 2.1 | ND<0.5 | 0.6 | ND<0.5 | 2.7 |
| | 3-19-09 | 2.9 | ND<0.5 | 0.9 | ND<0.5 | 3.8 |
| | 8-17-09 | 3.7 | 0.8 | 1.1 | ND<0.5 | 5.6 |
| | 2-4-10 | 2.3 | ND<0.5 | ND<0.5 | ND<0.5 | 2.3 |
| | 1-29-03 | 0.6 | ND | ND | ND | 0.6 |
| Lot 8 | 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 |
| | 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 |
| Lot 9 | 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 **February 2010;** Apple Valley Shopping Center, LaGrange, New York; Conrad Geoscience File #AL030070

| Campula | _ | Chemical Constituent | | | | | |
|--------------------------|------------------|---|------------------------------|---|-----------------------------|--------------|--|
| Sample Identification | Dates Sampled | Tetrachloroethene (5 µg/l ¹) | Trichloroethene (5 µg/l¹) | cis-1,2- Dichloroethene (5 µg/l¹) | Vinyl Chloride (2 µg/l¹) | Total COC | |
| Volatile Organ | ic Compounds | | | | | | |
| | 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 | |
| Lot 10 Upstream | 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;

NO - Not detected above the mention detection limit itset,

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 February 2010; Apple Valley Shopping Center, LaGrange, New York; Conrad Geoscience File #AL030070

| | | | | Chemical Constituent | <u> </u> | |
|-------------------------------|------------------|---|------------------------------|--|-----------------------------|--------------|
| Sample Identification | Dates Sampled | Tetrachloroethene (5 µg/l ¹) | Trichloroethene (5 µg/l¹) | cis-1,2- Dichloroethene (5 µg/l ¹) | Vinyl Chloride (2 µg/l¹) | Total COC |
| Volatile Organ | ilc Compounds | | | | | |
| | 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 |
| Lot 11 Upstream (Alben) | 6-26-08 | 2.5 | 1.6 | 1.9 | ND<0.5 | 6.0 |
| | 9-5-08 | 0.9 | ND<0.5 | ND<0.5 | ND<0.5 | 0.9 |
| | 3-12-09 | 1.4 | 1.0 | 1.5 | ND<0.5 | 3.9 |
| | 9-29-09 | 1.4 | ND<0.5 | ND<0.5 | ND<0.5 | 1.4 |
| | 2-24-10 | 1.2 | ND<0.5 | ND<0.5 | ND<0.5 | 1.2 |
| | 1-29-03 | ND < 0.5 | ND | ND | ND | 0 |
| 1.140 | 9-7-06 | ND < 0.5 | ND < 0.5 | ND < 0.5 | ND < 0.5 | 0 |
| Lot 12 | 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 |
| Lat 12 | 2-22-07 | ND < 0.5 | ND < 0.5 | ND < 0.5 | ND < 0.5 | 0 |
| Lot 13 | 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.

ANALYTICAL DATA



Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 10-0726 Issued March 4, 2010 This report contains a total of 7 pages

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

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

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

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

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

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

[&]quot;ND" = analyzed for but not detected.

[&]quot;E" = Result has been estimated, calibration limit exceeded.

[&]quot;D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

[&]quot;M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

[&]quot;B" = Method blank contained trace levels of analyte. Refer to included method blank report.



Client: **Conrad Geoscience** Lab Project No.: 10-0726 Lab Sample No.: 3179

Client Job Site: Apple Valley Shopping Center

LaGrange, NY

Sample Type: Water Client Job No.: AL030070 Date Sampled: 02/17/10 Date Received: 02/18/10

Field Location: AVS-EFF Date Analyzed: 03/01/10

| VOLATILE | RESULTS | VOLATILE | RESULTS |
|-----------------------------|----------|------------------------|---------|
| HALOCARBONS | (ug/L) | AROMATICS | (ug/L) |
| Bromochloromethane | ND<0.5 | Benzene | ND<0.5 |
| Bromomethane | ND<0.5 | Bromobenzene | ND<0.5 |
| Carbon Tetrachloride | ND<0.5 | n-Butylbenzene | ND<0.5 |
| Chloroethane | ND<1.0 | sec-Butylbenzene | ND<0.5 |
| Chloromethane | ND<0.5 | tert-Butylbenzene | ND<0.5 |
| 1,2-Dibromomethane | ND<0.5 | Chlorobenzene | ND<0.5 |
| Dibromomethane | ND<0.5 | 2-Chlorotoluene | ND<0.5 |
| 1,2-Dibromo-3-Chloropropane | ND<0.5 | 4-Chlorotoluene | ND<0.5 |
| Dichlorodifluoromethane | ND<0.5 | 1,2-Dichlorobenzene | ND<0.5 |
| 1,1-Dichloroethane | ND<0.5 | 1,3-Dichlorobenzene | ND<0.5 |
| 1,2- Dichloroethane | ND<0.5 | 1,4-Dichlorobenzene | ND<0.5 |
| 1,1-Dichloroethene | ND<0.5 | Ethyl Benzene | ND<0.5 |
| cis- 1,2-Dichloroethene | 0.8 | 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 M | 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 | 3.6 | m,p-Xylene | ND<0.5 |
| 1,1,1-Trichloroethane | ND<0.5 | o-Xylene | ND<0.5 |
| 1,1,2-Trichloroethane | ND<0.5 | Methyl-t-Butyl Ether | ND<2.0 |
| Trichloroethene | ND<0.5 | Trihalomethanes | |
| Trichlorofluoromethane | ND<0.5 | Bromodichloromethane | ND<0.5 |
| 1,2,3-Trichloropropane | ND<0.5 | Bromoform | ND<0.5 |
| Vinyl Chloride | ND<0.5 | Chloroform | ND<0.5 |
| | | Dibromochloromethane | ND<0.5 |

EPA Method 524.2

Comments:

ND denotes Non Detect.

Approved By:

Bruce Hoogesteger, Technical Director

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

File ID: Conrad 10-0726

ELAP No.: 10709



Client:

Conrad Geoscience

Lab Project No.:

10-0726

Client Job Site:

Apple Valley Shopping Center

Lab Sample No.:

3180

LaGrange, NY

Sample Type:

Water

Client Job No.:

AL030070

Date Sampled:

02/17/10

Date Received:

02/18/10

Field Location: AV-2

Date Analyzed:

03/01/10

| VOLATILE | RESUL | TS | VOLATILE | RESULTS |
|-------------------------------|--------|----|------------------------|---------|
| HALOCARBONS | (ug/I | 2) | AROMATICS | (ug/L) |
| Bromochloromethane | ND<0.5 | | Benzene | ND<0.5 |
| Bromomethane | ND<0.5 | | Bromobenzene | ND<0.5 |
| Carbon Tetrachloride | ND<0.5 | | n-Butylbenzene | ND<0.5 |
| Chloroethane | ND<1.0 | | sec-Butylbenzene | ND<0.5 |
| Chloromethane | ND<0.5 | | tert-Butylbenzene | ND<0.5 |
| 1,2-Dibromomethane | ND<0.5 | | Chlorobenzene | ND<0.5 |
| Dibromomethane | ND<0.5 | | 2-Chlorotoluene | ND<0.5 |
| 1,2-Dibromo-3-Chloropropane | ND<0.5 | | 4-Chlorotoluene | ND<0.5 |
| Dichlorodifluoromethane | ND<0.5 | | 1,2-Dichlorobenzene | ND<0.5 |
| 1,1-Dichloroethane | ND<0.5 | | 1,3-Dichlorobenzene | ND<0.5 |
| 1,2- Dichloroethane | ND<0.5 | | 1,4-Dichlorobenzene | ND<0.5 |
| 1,1-Dichloroethene | ND<0.5 | | Ethyl Benzene | ND<0.5 |
| cis- 1,2-Dichloroethene | 8.8 | X | Hexachlorobutadiene | ND<0.5 |
| trans-1,2-Dichloroethene | ND<0.5 | | Isopropylbenzene | ND<0.5 |
| 1,2 - Dichloropropane | ND<0.5 | | 4-Isopropyltoluene | ND<0.5 |
| 1,3-Dichloropropane | ND<0.5 | | Naphthalene | ND<0.5 |
| 2,2-Dichloropropane | ND<0.5 | | n-Propylbenzene | ND<0.5 |
| 1,1- Dichloropropene | ND<0.5 | | Styrene | ND<0.5 |
| cis-1,3-Dichloropropene | ND<0.5 | | Toluene | ND<0.5 |
| trans-1,3-Dichloropropene | ND<0.5 | | 1,2,3-Trichlorobenzene | ND<0.5 |
| Methylene Chloride | ND<0.5 | M | 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 | 59.4 | 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 |
| Frichloroethene | 7.4 | X | Trihalomethanes | |
| Trichlorofluoromethane | ND<0.5 | | Bromodichloromethane | ND<0.5 |
| 1,2,3-Trichloropropane | ND<0.5 | | Bromoform | ND<0.5 |
| Vinyl Chloride | ND<0.5 | | Chloroform | ND<0.5 |
| | | | Dibromochloromethane | ND<0.5 |

EPA Method 524.2

ELAP No.: 10709

Comments:

ND denotes Non Detect.

X denotes Value exceeds Maximum Contaminant Level.

Approved By:

Bruce Hoogesteger, Technical Director

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File ID: Conrad 10-0726



Client: **Conrad Geoscience** Lab Project No.:

10-0726

Client Job Site:

Apple Valley Shopping Center

Lab Sample No.:

Water

3181

Client Job No.:

LaGrange, NY

Sample Type: Date Sampled:

02/17/10

AL030070

Date Received:

02/18/10

Field Location: RW-1

Date Analyzed:

03/01/10

| VOLATILE | RESUL | TS | VOLATILE | RESULTS |
|-----------------------------|--------|----|------------------------|---------|
| HALOCARBONS | (ug/L | .) | AROMATICS | (ug/L) |
| Bromochloromethane | ND<0.5 | | Benzene | ND<0.5 |
| Bromomethane | ND<0.5 | | Bromobenzene | ND<0.5 |
| Carbon Tetrachloride | ND<0.5 | | n-Butylbenzene | ND<0.5 |
| Chloroethane | ND<1.0 | | sec-Butylbenzene | ND<0.5 |
| Chloromethane | ND<0.5 | | tert-Butylbenzene | ND<0.5 |
| 1,2-Dibromomethane | ND<0.5 | | Chlorobenzene | ND<0.5 |
| Dibromomethane | ND<0.5 | | 2-Chlorotoluene | ND<0.5 |
| 1,2-Dibromo-3-Chloropropane | ND<0.5 | | 4-Chlorotoluene | ND<0.5 |
| Dichlorodifluoromethane | ND<0.5 | | 1,2-Dichlorobenzene | ND<0.5 |
| 1,1-Dichloroethane | ND<0.5 | | 1,3-Dichlorobenzene | ND<0.5 |
| 1,2- Dichloroethane | ND<0.5 | | 1,4-Dichlorobenzene | ND<0.5 |
| 1,1-Dichloroethene | ND<0.5 | | Ethyl Benzene | ND<0.5 |
| cis- 1,2-Dichloroethene | 3.2 | | 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 | M | 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 |
| Fetrachloroethene | 271 | 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 | 7.1 | X | <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

ELAP No.: 10709

Comments:

ND denotes Non Detect.

X denotes Value exceeds Maximum Contaminant Level.

Approved By:

Bruce Hoogesteger, Technical Director

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



Client: Conrad Geoscience Lab Project No.: 10-0726
Lab Sample No.: 3182

Client Job Site: Apple Valley Shopping Center

LaGrange, NY Sample Type: Water

Field Location: RW-2 Date Received: 02/18/10
Date Analyzed: 03/02/10

| VOLATILE | RESULTS | VOLATILE | RESULTS |
|-----------------------------|---------|------------------------|---------|
| HALOCARBONS | (ug/L) | AROMATICS | (ug/L) |
| Bromochloromethane | ND<50 | Benzene | ND<50 |
| Bromomethane | ND<50 | Bromobenzene | ND<50 |
| Carbon Tetrachloride | ND<50 | n-Butylbenzene | ND<50 |
| Chloroethane | ND<100 | sec-Butylbenzene | ND<50 |
| Chloromethane | ND<50 | tert-Butylbenzene | ND<50 |
| 1,2-Dibromomethane | ND<50 | Chlorobenzene | ND<50 |
| Dibromomethane | ND<50 | 2-Chlorotoluene | ND<50 |
| 1,2-Dibromo-3-Chloropropane | ND<50 | 4-Chlorotoluene | ND<50 |
| Dichlorodifluoromethane | ND<50 | 1,2-Dichlorobenzene | ND<50 |
| 1,1-Dichloroethane | ND<50 | 1,3-Dichlorobenzene | ND<50 |
| 1,2- Dichloroethane | ND<50 | 1,4-Dichlorobenzene | ND<50 |
| 1,1-Dichloroethene | ND<50 | Ethyl Benzene | ND<50 |
| cis- 1,2-Dichloroethene | ND<50 | Hexachlorobutadiene | ND<50 |
| trans-1,2-Dichloroethene | ND<50 | Isopropylbenzene | ND<50 |
| 1,2 - Dichloropropane | ND<50 | 4-Isopropyltoluene | ND<50 |
| 1,3-Dichloropropane | ND<50 | Naphthalene | ND<50 |
| 2,2-Dichloropropane | ND<50 | n-Propylbenzene | ND<50 |
| 1,1- Dichloropropene | ND<50 | Styrene | ND<50 |
| cis-1,3-Dichloropropene | ND<50 | Toluene | ND<50 |
| trans-1,3-Dichloropropene | ND<50 | 1,2,3-Trichlorobenzene | ND<50 |
| Methylene Chloride | ND<50 | 1,2,4-Trichlorobenzene | ND<50 |
| 1,1,1,2-Tetrachloroethane | ND<50 | 1,2,4-Trimethylbenzene | ND<50 |
| 1,1,2,2-Tetrachloroethane | ND<50 | 1,3,5-Trimethylbenzene | ND<50 |
| Tetrachloroethene | 1070 X | m,p-Xylene | ND<50 |
| 1,1,1-Trichloroethane | ND<50 | o-Xylene | ND<50 |
| 1,1,2-Trichloroethane | ND<50 | Methyl-t-Butyl Ether | ND<200 |
| Trichloroethene | ND<50 | <u>Trihalomethanes</u> | |
| Trichlorofluoromethane | ND<50 | Bromodichloromethane | ND<50 |
| 1,2,3-Trichloropropane | ND<50 | Bromoform | ND<50 |
| Vinyl Chloride | ND<50 | Chloroform | ND<50 |
| | | Dibromochloromethane | ND<50 |

EPA Method 524.2 ELAP No.: 10709

Comments: ND denotes Non Detect.

X denotes Value exceeds Maximum Contaminant Level.

Approved By:

Bruce Hoogesteger, Technical Director

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

File ID: Conrad 10-0726



Client: <u>Conrad Geoscience</u> Lab Pr

Lab Project No.: 10-0726 Lab Sample No.: 3183

Client Job Site: Apple Valley Shopping Center

LaGrange, NY

Sample Type: Water

Client Job No.: AL030070

Date Sampled: 02/17/10

Field Location: RW-3

Date Received: 02/18/10
Date Analyzed: 03/02/10

| VOLATILE | RESULT | S | VOLATILE | RESULTS |
|-----------------------------|--------|---|------------------------|---------------|
| HALOCARBONS | (ug/L) | | AROMATICS | (ug/L) |
| Bromochloromethane | ND<50 | | Benzene | ND<50 |
| Bromomethane | ND<50 | | Bromobenzene | ND<50 |
| Carbon Tetrachloride | ND<50 | | n-Butylbenzene | ND<50 |
| Chloroethane | ND<100 | | sec-Butylbenzene | ND<50 |
| Chloromethane | ND<50 | | tert-Butylbenzene | ND<50 |
| 1,2-Dibromomethane | ND<50 | | Chlorobenzene | ND<50 |
| Dibromomethane | ND<50 | | 2-Chlorotoluene | ND<50 |
| 1,2-Dibromo-3-Chloropropane | ND<50 | | 4-Chlorotoluene | ND<50 |
| Dichlorodifluoromethane | ND<50 | | 1,2-Dichlorobenzene | ND<50 |
| 1,1-Dichloroethane | ND<50 | | 1,3-Dichlorobenzene | ND<50 |
| 1,2- Dichloroethane | ND<50 | | 1,4-Dichlorobenzene | ND<50 |
| 1,1-Dichloroethene | ND<50 | | Ethyl Benzene | ND<50 |
| cis- 1,2-Dichloroethene | 182 | X | Hexachlorobutadiene | ND<50 |
| trans-1,2-Dichloroethene | ND<50 | | Isopropylbenzene | ND<50 |
| 1,2 - Dichloropropane | ND<50 | | 4-Isopropyltoluene | ND<50 |
| 1,3-Dichloropropane | ND<50 | | Naphthalene | ND<50 |
| 2,2-Dichloropropane | ND<50 | | n-Propylbenzene | ND<50 |
| 1,1- Dichloropropene | ND<50 | | Styrene | ND<50 |
| cis-1,3-Dichloropropene | ND<50 | | Toluene | ND<50 |
| trans-1,3-Dichloropropene | ND<50 | | 1,2,3-Trichlorobenzene | ND<50 |
| Methylene Chloride | ND<50 | | 1,2,4-Trichlorobenzene | ND<50 |
| 1,1,1,2-Tetrachloroethane | ND<50 | | 1,2,4-Trimethylbenzene | ND<50 |
| 1,1,2,2-Tetrachloroethane | ND<50 | | 1,3,5-Trimethylbenzene | ND<50 |
| Tetrachloroethene | 1770 | X | m,p-Xylene | ND<50 |
| 1,1,1-Trichloroethane | ND<50 | | o-Xylene | ND<50 |
| 1,1,2-Trichloroethane | ND<50 | | Methyl-t-Butyl Ether | ND<200 |
| Trichloroethene | 172 | X | <u>Trihalomethanes</u> | |
| Trichlorofluoromethane | ND<50 | | Bromodichloromethane | ND<50 |
| 1,2,3-Trichloropropane | ND<50 | | Bromoform | ND<50 |
| Vinyl Chloride | ND<50 | | Chloroform | ND<50 |
| | | | Dibromochloromethane | ND<50 |
| ED4 M-d- J 5242 | | | | ELAD N. 10700 |

EPA Method 524.2

ELAP No.: 10709

Comments:

ND denotes Non Detect.

X denotes Value exceeds Maximum Contaminant Level.

Approved By:

Bruce Hoogesteger, Technical Director

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

File ID: Conrad 10-0726



Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 10-0547 Issued February 16, 2010 This report contains a total of 3 pages

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

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

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

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

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

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

[&]quot;ND" = analyzed for but not detected.

[&]quot;E" = Result has been estimated, calibration limit exceeded.

[&]quot;D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

[&]quot;M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

[&]quot;B" = Method blank contained trace levels of analyte. Refer to included method blank report.



Client: Conrad Geoscience Lab Project No.: 10-0547
Lab Sample No.: 2550

Client Job Site: Lipka Residence

LaGrange, NY Sample Type: Drinking Water

 Client Job No.:
 AL030070
 Date Sampled:
 02/04/10

 Date Received:
 02/04/10

Field Location: Lipka Date Analyzed: 02/12/10

| VOLATILE | RESULTS | VOLATILE | RESULTS |
|-----------------------------|---------|------------------------|---------|
| HALOCARBONS | (ug/L) | AROMATICS | (ug/L) |
| Bromochloromethane | ND<0.5 | Benzene | ND<0.5 |
| Bromomethane | ND<0.5 | Bromobenzene | ND<0.5 |
| Carbon Tetrachloride | ND<0.5 | n-Butylbenzene | ND<0.5 |
| Chloroethane | ND<1.0 | sec-Butylbenzene | ND<0.5 |
| Chloromethane | ND<0.5 | tert-Butylbenzene | ND<0.5 |
| 1,2-Dibromomethane | ND<0.5 | Chlorobenzene | ND<0.5 |
| Dibromomethane | ND<0.5 | 2-Chlorotoluene | ND<0.5 |
| 1,2-Dibromo-3-Chloropropane | ND<0.5 | 4-Chlorotoluene | ND<0.5 |
| Dichlorodifluoromethane | ND<0.5 | 1,2-Dichlorobenzene | ND<0.5 |
| 1,1-Dichloroethane | ND<0.5 | 1,3-Dichlorobenzene | ND<0.5 |
| 1,2- Dichloroethane | ND<0.5 | 1,4-Dichlorobenzene | ND<0.5 |
| 1,1-Dichloroethene | ND<0.5 | Ethyl Benzene | ND<0.5 |
| cis- 1,2-Dichloroethene | ND<0.5 | Hexachlorobutadiene | ND<0.5 |
| trans-1,2-Dichloroethene | ND<0.5 | Isopropylbenzene | ND<0.5 |
| 1,2 - Dichloropropane | ND<0.5 | 4-Isopropyltoluene | ND<0.5 |
| 1,3-Dichloropropane | ND<0.5 | Naphthalene | ND<0.5 |
| 2,2-Dichloropropane | ND<0.5 | n-Propylbenzene | ND<0.5 |
| 1,1- Dichloropropene | ND<0.5 | Styrene | ND<0.5 |
| cis-1,3-Dichloropropene | ND<0.5 | Toluene | ND<0.5 |
| trans-1,3-Dichloropropene | ND<0.5 | 1,2,3-Trichlorobenzene | ND<0.5 |
| Methylene Chloride | ND<0.5 | 1,2,4-Trichlorobenzene | ND<0.5 |
| 1,1,1,2-Tetrachloroethane | ND<0.5 | 1,2,4-Trimethylbenzene | ND<0.5 |
| 1,1,2,2-Tetrachloroethane | ND<0.5 | 1,3,5-Trimethylbenzene | ND<0.5 |
| Tetrachloroethene | 2.3 | m,p-Xylene | ND<0.5 |
| 1,1,1-Trichloroethane | ND<0.5 | o-Xylene | ND<0.5 |
| 1,1,2-Trichloroethane | ND<0.5 | Methyl-t-Butyl Ether | ND<2.0 |
| Trichloroethene | ND<0.5 | Trihalomethanes | |
| Trichlorofluoromethane | ND<0.5 | Bromodichloromethane | ND<0.5 |
| 1,2,3-Trichloropropane | ND<0.5 | Bromoform | ND<0.5 |
| Vinyl Chloride | ND<0.5 | Chloroform | ND<0.5 |
| | | Dibromochloromethane | ND<0.5 |

EPA Method 524.2

ND denotes Non Detect.

Approved By:

Comments:

Bruce Hoogesteger, Technical Director

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

ELAP No.: 10709

CHAIN OF CUSTODY

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Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 10-0799
Issued March 4, 2010
This report contains a total of 5 pages

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

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

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

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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:

[&]quot;ND" = analyzed for but not detected.

[&]quot;E" = Result has been estimated, calibration limit exceeded.

[&]quot;D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

[&]quot;M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

[&]quot;B" = Method blank contained trace levels of analyte. Refer to included method blank report.



Client: Conrad Geoscience Lab Project No.: 10-0799
Lab Sample No.: 3355

Client Job Site: Alben Residence - LaGrange

Client Job No.: AL030070 Sample Type: Drinking Water Date Sampled: 02/24/10

Date Sampled: 02/24/10
Date Received: 02/25/10

Field Location: Alben (Lot 11) - Post Date Analyzed: 03/02/10

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

EPA Method 524.2

ELAP No.: 10709

Comments:

ND denotes Non Detect.

Approved By:

Bruce Hoogesteger, Technical Director



Client: **Conrad Geoscience** Lab Project No.: Lab Sample No.: 10-0799

3356

Client Job Site: Alben Residence - LaGrange

Sample Type:

Drinking Water

Client Job No.:

AL030070

Date Sampled:

Date Received:

02/24/1002/25/10

Field Location: Alben (Lot 11) - Mid

Date Analyzed:

03/02/10

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

Comments:

ND denotes Non Detect.

Approved By:

Bruce Hoogesteger, Technical Director



Client:

Conrad Geoscience

Lab Project No.: Lab Sample No.: 10-0799

3357

Client Job Site:

Alben Residence - LaGrange

Sample Type:

Drinking Water

Client Job No.:

AL030070

Date Sampled:

02/24/10

Date Received:

02/25/10

Field Location: Alben (Lot 11) - Pre

Date Analyzed:

03/02/10

| VOLATILE | RESULTS | VOLATILE | RESULTS |
|-----------------------------|---------|------------------------|---------|
| HALOCARBONS_ | (ug/L) | AROMATICS | (ug/L) |
| Bromochloromethane | ND<0.5 | Benzene | ND<0.5 |
| Bromomethane | ND<0.5 | Bromobenzene | ND<0.5 |
| Carbon Tetrachloride | ND<0.5 | n-Butylbenzene | ND<0.5 |
| Chloroethane | ND<1.0 | sec-Butylbenzene | ND<0.5 |
| Chloromethane | ND<0.5 | tert-Butylbenzene | ND<0.5 |
| 1,2-Dibromomethane | ND<0.5 | Chlorobenzene | ND<0.5 |
| Dibromomethane | ND<0.5 | 2-Chlorotoluene | ND<0.5 |
| 1,2-Dibromo-3-Chloropropane | ND<0.5 | 4-Chlorotoluene | ND<0.5 |
| Dichlorodifluoromethane | ND<0.5 | 1,2-Dichlorobenzene | ND<0.5 |
| 1,1-Dichloroethane | ND<0.5 | 1,3-Dichlorobenzene | ND<0.5 |
| 1,2- Dichloroethane | ND<0.5 | 1,4-Dichlorobenzene | ND<0.5 |
| 1,1-Dichloroethene | ND<0.5 | Ethyl Benzene | ND<0.5 |
| cis- 1,2-Dichloroethene | ND<0.5 | Hexachlorobutadiene | ND<0.5 |
| trans-1,2-Dichloroethene | ND<0.5 | lsopropylbenzene | ND<0.5 |
| 1,2 - Dichloropropane | ND<0.5 | 4-Isopropyltoluene | ND<0.5 |
| 1,3-Dichloropropane | ND<0.5 | Naphthalene | ND<0.5 |
| 2,2-Dichloropropane | ND<0.5 | n-Propylbenzene | ND<0.5 |
| 1,1- Dichloropropene | ND<0.5 | Styrene | ND<0.5 |
| cis-1,3-Dichloropropene | ND<0.5 | Toluene | ND<0.5 |
| trans-1,3-Dichloropropene | ND<0.5 | 1,2,3-Trichlorobenzene | ND<0.5 |
| Methylene Chloride | ND<0.5 | 1,2,4-Trichlorobenzene | ND<0.5 |
| 1,1,1,2-Tetrachloroethane | ND<0.5 | 1,2,4-Trimethylbenzene | ND<0.5 |
| 1,1,2,2-Tetrachloroethane | ND<0.5 | 1,3,5-Trimethylbenzene | ND<0.5 |
| Tetrachloroethene | 1.2 | 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 | <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

ELAP No.: 10709

Comments:

ND denotes Non Detect.

Approved By:

Bruce Hoogesteger, Technical Director

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