PVE Sheffler

Civil Engineering
Surveying
Land Planning
Environmental
Municipal Services

September 30, 2011

OCT - 5 2011

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

Re: **2nd Quarter 2011 Groundwater Monitoring Report;**
Apple Valley Shopping Center Superfund Site, LaGrange, New York
Index No. II-CERCLA-10224
NYSEC Site #3-14-084
Conrad Geoscience File #AL030070

Dear Mr. Mizerak:

In February and March 2011, Conrad Geoscience Corp., a division of PVE Sheffler, LLC, continued groundwater monitoring 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 June 1, 2011, field personnel collected groundwater samples from Recovery Wells RW-1, RW-2, RW-3, and AV-2. A remediation system effluent sample was also collected (AVS-EFF).

Multiple sample events of AVS-EFF indicated the system was not performing efficiently (see attached analytical reports). Following air stripper system maintenance, which included replacement of interior gaskets, AVS-EFF was resampled on August 3, 2011.

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

Recovery Well Sampling

Recovery well samples were collected via in-line sample ports prior to air stripper treatment. Air stripper effluent samples were collected from the treated water 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.

PVE Sheffler

RESULTS

Recovery Wells

Total COC concentrations for each well are as follows: RW-1 (215.8 µg/l); RW-2 (4,400 µg/l); RW-3 (999.5 µg/l); and AV-2 (20.4 µg/l). The total COC concentration for AVS-EFF, sampled August 3, was non-detect for COC. Results for contaminants of concern (COC), tetrachloroethene (PCE); trichloroethene (TCE); cis-1,2-dichloroethene (cis-DCE); and vinyl chloride, are summarized in Table 1. Analytical reports are attached.

DISCUSSION

The June 2011 groundwater data indicates the total COC concentrations in Recovery Wells RW-1, RW-2, RW-3, and AV-2 have been substantially reduced since the system was first placed into operation in 2006.

- Total COC concentrations in Recovery Well RW-1 are one order of magnitude lower than initial sampling.
- Total COC concentrations in Recovery Well RW-2 are approximately one half the concentrations at initial sampling.
- The concentration of total COCs in Recovery Well AV-2 are more than two orders of magnitude lower than initial sampling.

As indicated by the groundwater contour map (Figure 3), hydraulic gradients formed by the groundwater extraction and treatment system demonstrate that groundwater movement is toward the recovery wells and away from adjacent properties and perimeter wells. This, combined with significant reductions in downgradient groundwater concentrations, indicates that the extraction and treatment system continues to effectively remediate the area.

The next round of quarterly groundwater monitoring is scheduled for September 2011. If you have any questions, please do not hesitate to call.

Sincerely,

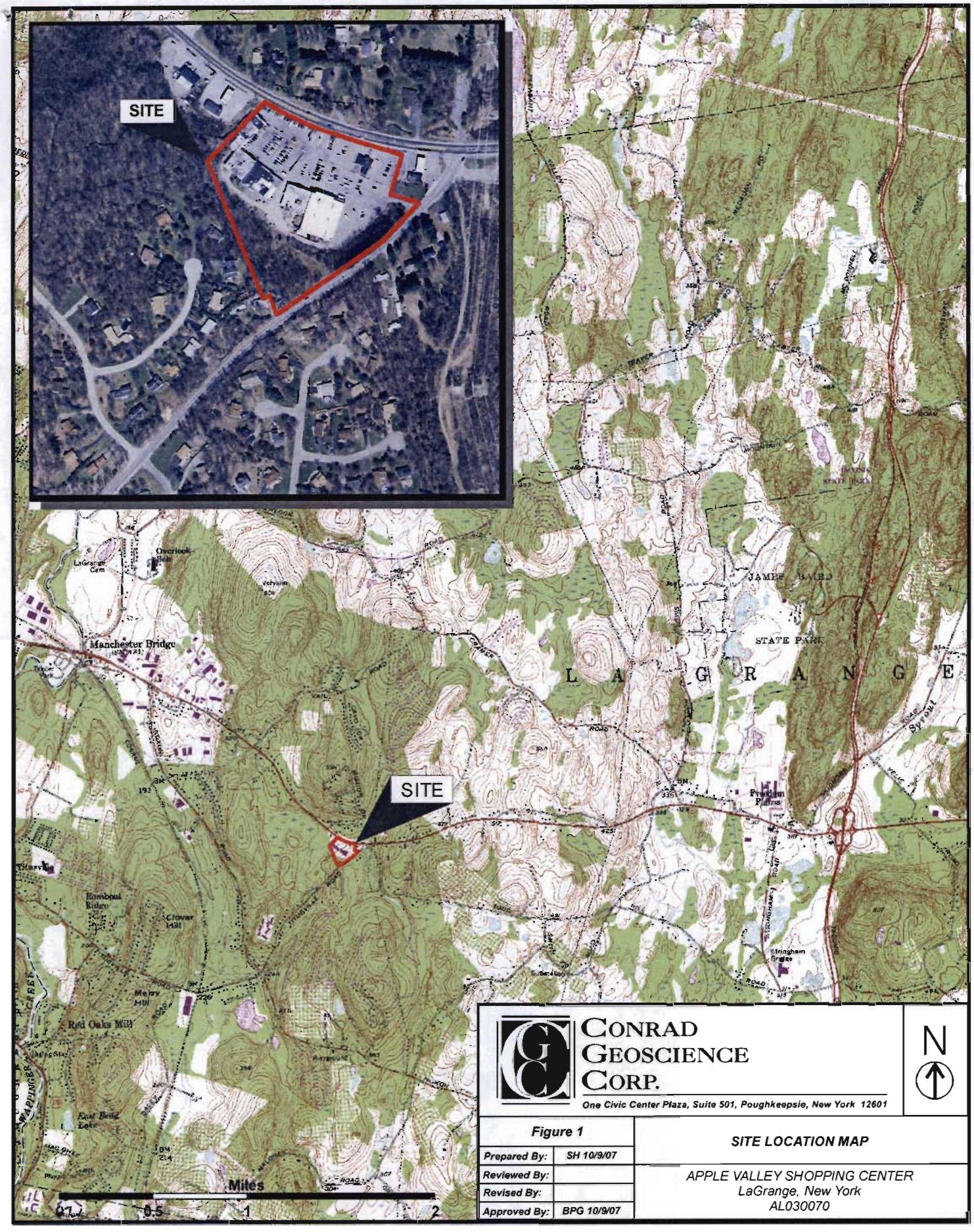
PVE Sheffler, LLC.

Christopher B. Brown, CPG
Principal\Senior Hydrogeologist

CBB/tla

attachments

cc: James A. Klein, Apple Valley
David Engel, Esq.
Mark Millspaugh, Sterling Environmental
Steven Bates, NYSDOH (electronic only)
Fay S. Navratil, NYSDOH
George Heitzman, NYSDEC (electronic only)
D. MacDougal
J. Harmon



CONRAD GEOSCIENCE CORP.

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

N

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

LEGEND

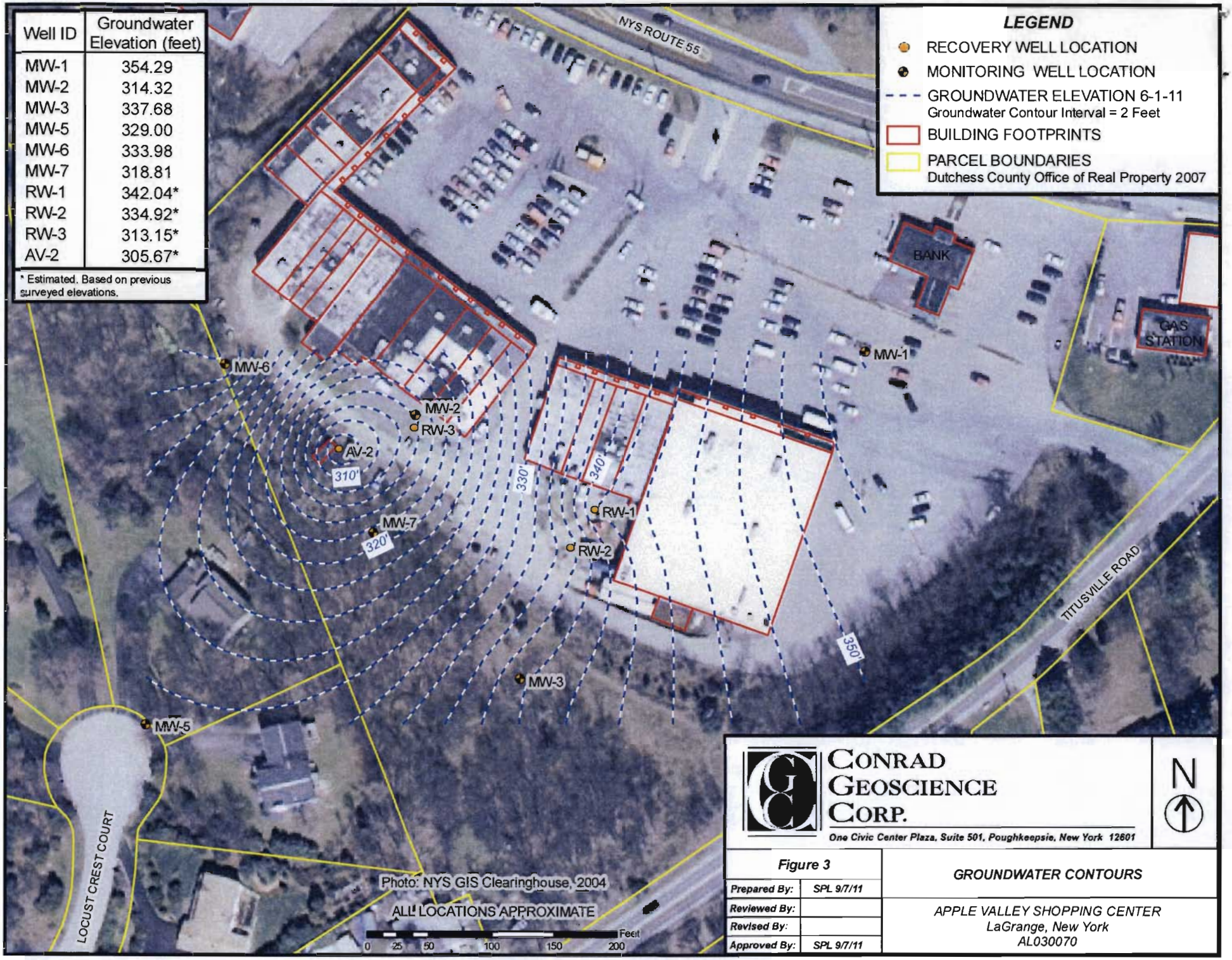
- RECOVERY WELL LOCATION
- MONITORING WELL LOCATION
- BUILDING FOOTPRINTS
- PARCEL BOUNDARIES
  Dutchess County Office of Real Property 2007

N

CONRAD GEOSCIENCE CORP.

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

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



CONRAD GEOSCIENCE CORP.

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

Figure 3		GROUNDWATER CONTOURS
Prepared By:	SPL 9/7/11	
Reviewed By:		APPLE VALLEY SHOPPING CENTER LaGrange, New York AL030070
Revised By:		
Approved By:	SPL 9/7/11	

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 11-2166
Issued June 13, 2011
This report contains a total of 8 pages

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

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

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

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

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

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

"<" = analyzed for but not detected at or above the reporting limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 11-2166
Lab Sample No.: 7288
Sample Type: Water
Date Sampled: 06/01/11
Date Received: 06/01/11
Date Analyzed: 06/08/11

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	< 0.5		Benzene	< 0.5	
Bromomethane	< 0.5		Bromobenzene	< 0.5	
Carbon Tetrachloride	< 0.5		n-Butylbenzene	< 0.5	
Chloroethane	< 1.0		sec-Butylbenzene	< 0.5	
Chloromethane	< 0.5		tert-Butylbenzene	< 0.5	
1,2-Dibromomethane	< 0.5		Chlorobenzene	< 0.5	
Dibromomethane	< 0.5		2-Chlorotoluene	< 0.5	
1,2-Dibromo-3-Chloropropane	< 0.5		4-Chlorotoluene	< 0.5	
Dichlorodifluoromethane	< 0.5		1,2-Dichlorobenzene	< 0.5	
1,1-Dichloroethane	< 0.5		1,3-Dichlorobenzene	< 0.5	
1,2- Dichloroethane	< 0.5		1,4-Dichlorobenzene	< 0.5	
1,1-Dichloroethene	< 0.5		Ethyl Benzene	< 0.5	
cis- 1,2-Dichloroethene	0.8		Hexachlorobutadiene	< 0.5	
trans-1,2-Dichloroethene	< 0.5		Isopropylbenzene	< 0.5	
1,2 - Dichloropropane	< 0.5		4-Isopropyltoluene	< 0.5	
1,3-Dichloropropane	< 0.5		Naphthalene	< 0.5	
2,2-Dichloropropane	< 0.5	S	n-Propylbenzene	< 0.5	
1,1- Dichloropropene	< 0.5		Styrene	< 0.5	
cis-1,3-Dichloropropene	< 0.5	S	Toluene	< 0.5	
trans-1,3-Dichloropropene	< 0.5		1,2,3-Trichlorobenzene	< 0.5	
Methylene Chloride	< 0.5		1,2,4-Trichlorobenzene	< 0.5	
1,1,1,2-Tetrachloroethane	< 0.5		1,2,4-Trimethylbenzene	< 0.5	
1,1,2,2-Tetrachloroethane	< 0.5		1,3,5-Trimethylbenzene	< 0.5	
Tetrachloroethene	8.8	X	m,p-Xylene	< 0.5	
1,1,1-Trichloroethane	< 0.5		o-Xylene	< 0.5	
1,1,2-Trichloroethane	< 0.5		Methyl-t-Butyl Ether	< 2.0	
Trichloroethene	0.5		**Trihalomethanes**		
Trichlorofluoromethane	< 0.5		Bromodichloromethane	< 0.5	
1,2,3-Trichloropropane	< 0.5		Bromoform	< 0.5	
Vinyl Chloride	< 0.5		Chloroform	< 0.5	
			Dibromochloromethane	< 0.5	S

EPA Method 524.2 ELAP No.: 10709

Comments: S denotes LCS Spike recovery outside acceptable limits
X denotes that the maximum contamination limited was exceeded

Approved By: _____
Bruce Hoogesteger, Technical Director

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

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 11-2166
Lab Sample No.: 7289
Sample Type: Water
Date Sampled: 06/01/11
Date Received: 06/01/11
Date Analyzed: 06/08/11

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	< 0.5		Benzene	< 0.5	
Bromomethane	< 0.5		Bromobenzene	< 0.5	
Carbon Tetrachloride	< 0.5		n-Butylbenzene	< 0.5	
Chloroethane	< 1.0		sec-Butylbenzene	< 0.5	
Chloromethane	< 0.5		tert-Butylbenzene	< 0.5	
1,2-Dibromomethane	< 0.5		Chlorobenzene	< 0.5	
Dibromomethane	< 0.5		2-Chlorotoluene	< 0.5	
1,2-Dibromo-3-Chloropropane	< 0.5		4-Chlorotoluene	< 0.5	
Dichlorodifluoromethane	< 0.5		1,2-Dichlorobenzene	< 0.5	
1,1-Dichloroethane	< 0.5		1,3-Dichlorobenzene	< 0.5	
1,2- Dichloroethane	< 0.5		1,4-Dichlorobenzene	< 0.5	
1,1-Dichloroethene	< 0.5		Ethyl Benzene	< 0.5	
cis- 1,2-Dichloroethene	2.5		Hexachlorobutadiene	< 0.5	
trans-1,2-Dichloroethene	< 0.5		Isopropylbenzene	< 0.5	
1,2 - Dichloropropane	< 0.5		4-Isopropyltoluene	< 0.5	
1,3-Dichloropropane	< 0.5		Naphthalene	< 0.5	
2,2-Dichloropropane	< 0.5	S	n-Propylbenzene	< 0.5	
1,1- Dichloropropene	< 0.5		Styrene	< 0.5	
cis-1,3-Dichloropropene	< 0.5	S	Toluene	< 0.5	
trans-1,3-Dichloropropene	< 0.5		1,2,3-Trichlorobenzene	< 0.5	
Methylene Chloride	< 0.5		1,2,4-Trichlorobenzene	< 0.5	
1,1,1,2-Tetrachloroethane	< 0.5		1,2,4-Trimethylbenzene	< 0.5	
1,1,2,2-Tetrachloroethane	< 0.5		1,3,5-Trimethylbenzene	< 0.5	
Tetrachloroethene	17.6	X	m,p-Xylene	< 0.5	
1,1,1-Trichloroethane	< 0.5		o-Xylene	< 0.5	
1,1,2-Trichloroethane	< 0.5		Methyl-t-Butyl Ether	< 2.0	
Trichloroethene	2.8		**Trihalomethanes**		
Trichlorofluoromethane	< 0.5		Bromodichloromethane	< 0.5	
1,2,3-Trichloropropane	< 0.5		Bromoform	< 0.5	
Vinyl Chloride	< 0.5		Chloroform	< 0.5	
			Dibromochloromethane	< 0.5	S

EPA Method 524.2 ELAP No.: 10709

Comments: S denotes LCS Spike recovery outside acceptable limits
X denotes that the maximum contamination limited was exceeded

Approved By: _____
Bruce Hoogesteger, Technical Director

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

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 11-2166
Lab Sample No.: 7290
Sample Type: Water
Date Sampled: 06/01/11
Date Received: 06/01/11
Date Analyzed: 06/08/11

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	< 10		Benzene	< 10	
Bromomethane	< 10		Bromobenzene	< 10	
Carbon Tetrachloride	< 10		n-Butylbenzene	< 10	
Chloroethane	< 20.0		sec-Butylbenzene	< 10	
Chloromethane	< 10		tert-Butylbenzene	< 10	
1,2-Dibromomethane	< 10		Chlorobenzene	< 10	
Dibromomethane	< 10		2-Chlorotoluene	< 10	
1,2-Dibromo-3-Chloropropane	< 10		4-Chlorotoluene	< 10	
Dichlorodifluoromethane	< 10		1,2-Dichlorobenzene	< 10	
1,1-Dichloroethane	< 10		1,3-Dichlorobenzene	< 10	
1,2- Dichloroethane	< 10		1,4-Dichlorobenzene	< 10	
1,1-Dichloroethene	< 10		Ethyl Benzene	< 10	
cis- 1,2-Dichloroethene	< 10		Hexachlorobutadiene	< 10	
trans-1,2-Dichloroethene	< 10		Isopropylbenzene	< 10	
1,2 - Dichloropropane	< 10		4-Isopropyltoluene	< 10	
1,3-Dichloropropane	< 10		Naphthalene	< 10	
2,2-Dichloropropane	< 10	S	n-Propylbenzene	< 10	
1,1- Dichloropropene	< 10		Styrene	< 10	
cis-1,3-Dichloropropene	< 10	S	Toluene	< 10	
trans-1,3-Dichloropropene	< 10		1,2,3-Trichlorobenzene	< 10	
Methylene Chloride	60.6	X	1,2,4-Trichlorobenzene	< 10	
1,1,1,2-Tetrachloroethane	< 10		1,2,4-Trimethylbenzene	< 10	
1,1,2,2-Tetrachloroethane	< 10		1,3,5-Trimethylbenzene	< 10	
Tetrachloroethene	203	X	m,p-Xylene	< 10	
1,1,1-Trichloroethane	< 10		o-Xylene	< 10	
1,1,2-Trichloroethane	< 10		Methyl-t-Butyl Ether	< 40.0	
Trichloroethene	12.8	X	**Trihalomethanes**		
Trichlorofluoromethane	< 10		Bromodichloromethane	< 10	
1,2,3-Trichloropropane	< 10		Bromoform	< 10	
Vinyl Chloride	< 10		Chloroform	< 10	
			Dibromochloromethane	< 10	S

EPA Method 524.2 ELAP No.: 10709

Comments: S denotes LCS Spike recovery outside acceptable limits
X denotes that the maximum contamination limited was exceeded

Approved By: _____
Bruce Hoogesteger, Technical Director

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 11-2166
Lab Sample No.: 7291
Sample Type: Water
Date Sampled: 06/01/11
Date Received: 06/01/11
Date Analyzed: 06/08/11

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	< 100		Benzene	< 100	
Bromomethane	< 100		Bromobenzene	< 100	
Carbon Tetrachloride	< 100		n-Butylbenzene	< 100	
Chloroethane	< 200		sec-Butylbenzene	< 100	
Chloromethane	< 100		tert-Butylbenzene	< 100	
1,2-Dibromomethane	< 100		Chlorobenzene	< 100	
Dibromomethane	< 100		2-Chlorotoluene	< 100	
1,2-Dibromo-3-Chloropropane	< 100		4-Chlorotoluene	< 100	
Dichlorodifluoromethane	< 100		1,2-Dichlorobenzene	< 100	
1,1-Dichloroethane	< 100		1,3-Dichlorobenzene	< 100	
1,2- Dichloroethane	< 100		1,4-Dichlorobenzene	< 100	
1,1-Dichloroethene	< 100		Ethyl Benzene	< 100	
cis- 1,2-Dichloroethene	< 100		Hexachlorobutadiene	< 100	
trans-1,2-Dichloroethene	< 100		Isopropylbenzene	< 100	
1,2 - Dichloropropane	< 100		4-Isopropyltoluene	< 100	
1,3-Dichloropropane	< 100		Naphthalene	< 100	
2,2-Dichloropropane	< 100	S	n-Propylbenzene	< 100	
1,1- Dichloropropene	< 100		Styrene	< 100	
cis-1,3-Dichloropropene	< 100	S	Toluene	< 100	
trans-1,3-Dichloropropene	< 100		1,2,3-Trichlorobenzene	< 100	
Methylene Chloride	620	X	1,2,4-Trichlorobenzene	< 100	
1,1,1,2-Tetrachloroethane	< 100		1,2,4-Trimethylbenzene	< 100	
1,1,2,2-Tetrachloroethane	< 100		1,3,5-Trimethylbenzene	< 100	
Tetrachloroethene	4400	X	m,p-Xylene	< 100	
1,1,1-Trichloroethane	< 100		o-Xylene	< 100	
1,1,2-Trichloroethane	< 100		Methyl-t-Butyl Ether	< 400	
Trichloroethene	< 100		**Trihalomethanes**		
Trichlorofluoromethane	< 100		Bromodichloromethane	< 100	
1,2,3-Trichloropropane	< 100		Bromoform	< 100	
Vinyl Chloride	< 100		Chloroform	< 100	
			Dibromochloromethane	< 100	S

EPA Method 524.2 ELAP No.: 10709

Comments: S denotes LCS Spike recovery outside acceptable limits
X denotes that the maximum contamination limited was exceeded

Approved By: _____
Bruce Hoogesteger, Technical Director

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 11-2166
Lab Sample No.: 7292
Sample Type: Water
Date Sampled: 06/01/11
Date Received: 06/01/11
Date Analyzed: 06/08/11

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	< 25.0		Benzene	< 25.0	
Bromomethane	< 25.0		Bromobenzene	< 25.0	
Carbon Tetrachloride	< 25.0		n-Butylbenzene	< 25.0	
Chloroethane	< 50.0		sec-Butylbenzene	< 25.0	
Chloromethane	< 25.0		tert-Butylbenzene	< 25.0	
1,2-Dibromomethane	< 25.0		Chlorobenzene	< 25.0	
Dibromomethane	< 25.0		2-Chlorotoluene	< 25.0	
1,2-Dibromo-3-Chloropropane	< 25.0		4-Chlorotoluene	< 25.0	
Dichlorodifluoromethane	< 25.0		1,2-Dichlorobenzene	< 25.0	
1,1-Dichloroethane	< 25.0		1,3-Dichlorobenzene	< 25.0	
1,2- Dichloroethane	< 25.0		1,4-Dichlorobenzene	< 25.0	
1,1-Dichloroethene	< 25.0		Ethyl Benzene	< 25.0	
cis- 1,2-Dichloroethene	77.0	X	Hexachlorobutadiene	< 25.0	
trans-1,2-Dichloroethene	< 25.0		Isopropylbenzene	< 25.0	
1,2 - Dichloropropane	< 25.0		4-Isopropyltoluene	< 25.0	
1,3-Dichloropropane	< 25.0		Naphthalene	< 25.0	
2,2-Dichloropropane	< 25.0	S	n-Propylbenzene	< 25.0	
1,1- Dichloropropene	< 25.0		Styrene	< 25.0	
cis-1,3-Dichloropropene	< 25.0	S	Toluene	< 25.0	
trans-1,3-Dichloropropene	< 25.0		1,2,3-Trichlorobenzene	< 25.0	
Methylene Chloride	114	X	1,2,4-Trichlorobenzene	< 25.0	
1,1,1,2-Tetrachloroethane	< 25.0		1,2,4-Trimethylbenzene	< 25.0	
1,1,2,2-Tetrachloroethane	< 25.0		1,3,5-Trimethylbenzene	< 25.0	
Tetrachloroethene	840	X	m,p-Xylene	< 25.0	
1,1,1-Trichloroethane	< 25.0		o-Xylene	< 25.0	
1,1,2-Trichloroethane	< 25.0		Methyl-t-Butyl Ether	< 100	
Trichloroethene	82.5	X	**Trihalomethanes**		
Trichlorofluoromethane	< 25.0		Bromodichloromethane	< 25.0	
1,2,3-Trichloropropane	< 25.0		Bromoform	< 25.0	
Vinyl Chloride	< 25.0		Chloroform	< 25.0	
			Dibromochloromethane	< 25.0	S

EPA Method 524.2 ELAP No.: 10709

Comments: S denotes LCS Spike recovery outside acceptable limits
X denotes that the maximum contamination limited was exceeded

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

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM

CHAIN OF CUSTODY

Client: Conrad Geoscience EAH 6/1

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #: 11-21666	CLIENT PROJECT #: AL030071
ADDRESS:	179 Lake Ave	ADDRESS:			
CITY:	Rochester STATE: NY ZIP: 14608	CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS) 10-Day	
PHONE:	585-647-2530 FAX: -3511	PHONE: FAX:		STD	OTHER
ATTN:	Jane Daloia	ATTN:		1 2 3 5	10
COMMENTS:	Please return coolers; Results to slarose@conradgeo.com			Quotation #	JD110705

PROJECT NAME/SITE NAME: Apple Valley Shopping Center - LaGrange

REQUESTED ANALYSIS: 524.2

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	524.2	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6-1-11	830		X	AVS-EFF	GW	3	X		72889
2	↓	838		↓	AV-2	↓	↓	↓		72890
3		845			RW-1					72901
4		853			RW-2					72911
5		900			RW-3					72912
6										
7									All samples sent directly to sub lab by client. EAH 6/1	
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:		

Sampled By — Date/Time: 6-1-11 / 900

Relinquished By — Date/Time: 6-1-11 / 1100

Received By — Date/Time

Received @ Lab By: Elizabeth A Honch — Date/Time: 6/1/11 1400

Total Cost:

P.I.F.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

11062010

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT #: AL030071
ADDRESS:	179 Lake Ave	ADDRESS:			
CITY:	Rochester STATE: NY ZIP: 14608	CITY:	STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	10-DAY
PHONE:	585-647-2530 FAX: -3511	PHONE:	FAX:	STD / OTHER	1 2 3 5 10
ATTN:	Jane Daloia	ATTN:			
COMMENTS:	Please return cube; Results to slarose@conradgeo.com			Quotation #	JD110705

PROJECT NAME/SITE NAME: Apple Valley Shopping Center - LaBonge

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	524.2	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6-1-11	830		X	AVS-EFF	GW	3	X		01
2		838			AV-2					02
3		845			RW-1					03
4		853			RW-2					04
5		900			RW-3					05
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: 10°C	Y ☐	N ☐
Comments:		

Sampled By	6-1-11/900 Date/Time	Total Cost:
Relinquished By	6-1-11/1100 Date/Time	
Received By	Fedex Date/Time	P.I.F.
Received @ Lab By	6-2-11 1016 hr Date/Time	

PARADIGM

ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 11-2678
Issued July 11, 2011
This report contains a total of 4 pages

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

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

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

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

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

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

"<" = analyzed for but not detected at or above the reporting limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 11-2678
Lab Sample No.: 8847
Sample Type: Water
Date Sampled: 06/30/11
Date Received: 06/30/11
Date Analyzed: 07/08/11

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	< 0.5		Benzene	< 0.5	
Bromomethane	< 0.5		Bromobenzene	< 0.5	
Carbon Tetrachloride	< 0.5		n-Butylbenzene	< 0.5	
Chloroethane	< 1.0		sec-Butylbenzene	< 0.5	
Chloromethane	< 0.5		tert-Butylbenzene	< 0.5	
1,2-Dibromomethane	< 0.5		Chlorobenzene	< 0.5	
Dibromoethane	< 0.5		2-Chlorotoluene	< 0.5	
1,2-Dibromo-3-Chloropropane	< 0.5		4-Chlorotoluene	< 0.5	
Dichlorodifluoromethane	< 0.5	S	1,2-Dichlorobenzene	< 0.5	S
1,1-Dichloroethane	< 0.5		1,3-Dichlorobenzene	< 0.5	
1,2- Dichloroethane	< 0.5		1,4-Dichlorobenzene	< 0.5	
1,1-Dichloroethene	1.6		Ethyl Benzene	< 0.5	
cis- 1,2-Dichloroethene	< 0.5		Hexachlorobutadiene	< 0.5	
trans-1,2-Dichloroethene	< 0.5		Isopropylbenzene	< 0.5	
1,2 - Dichloropropane	< 0.5		4-Isopropyltoluene	< 0.5	
1,3-Dichloropropane	< 0.5		Naphthalene	< 0.5	
2,2-Dichloropropane	< 0.5		n-Propylbenzene	< 0.5	
1,1- Dichloropropene	< 0.5		Styrene	< 0.5	
cis-1,3-Dichloropropene	< 0.5		Toluene	< 0.5	
trans-1,3-Dichloropropene	< 0.5		1,2,3-Trichlorobenzene	< 0.5	
Methylene Chloride	< 0.5		1,2,4-Trichlorobenzene	< 0.5	
1,1,1,2-Tetrachloroethane	< 0.5	S	1,2,4-Trimethylbenzene	< 0.5	
1,1,2,2-Tetrachloroethane	< 0.5		1,3,5-Trimethylbenzene	< 0.5	
Tetrachloroethene	16.9	X	m,p-Xylene	< 0.5	
1,1,1-Trichloroethane	< 0.5		o-Xylene	< 0.5	
1,1,2-Trichloroethane	< 0.5		Methyl-t-Butyl Ether	< 2.0	
Trichloroethene	1.2		**Tribalomethanes**		
Trichlorofluoromethane	< 0.5		Bromodichloromethane	< 0.5	
1,2,3-Trichloropropane	< 0.5		Bromoform	< 0.5	
Vinyl Chloride	< 0.5		Chloroform	< 0.5	
			Dibromochloromethane	< 0.5	

EPA Method 524.2 ELAP No.: 10709

Comments: X denotes value exceeds maximum contaminant level.
S denotes LCS recovered outside accepted QC limits.

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

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM

Client: Conrad Geoscience

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY: Paradigm Environmental		COMPANY: Same		LAB PROJECT #: 11-2678	CLIENT PROJECT #: A1030070
ADDRESS: 179 Lake Ave		ADDRESS:			
CITY: Rochester STATE: N.Y. ZIP: 14608		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS) 10-Day	
PHONE: 585-647-2530 FAX: -3311		PHONE: FAX:		STD ☒	OTHER X
PROJECT NAME/SITE NAME: Apple Valley Shopping Center - LaGrange	ATTN: Jon Daloia	ATTN:		1 ☐ 2 ☐ 3 ☐ 5 ☒	
	COMMENTS: Results to clarose@conradgeo.com. Please return cooler.			Quotation # JD110705	

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	5721.2								REMARKS	PARADIGM LAB SAMPLE NUMBER				
					REQUESTED ANALYSIS																
1	6/30/11	4:00		X	AVS-EFF	GW	3	X										8	8	4	7
2																					
3																					
4																					
5																					
6																Sample shipped directly to Adk. EAH 6/30					
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:		

Sampled By — Date/Time: 6-30-11/9:00

Relinquished By — Date/Time: 6-30-11/16:30

Received By — Date/Time:

Received @ Lab By: Elizabeth A Honcle — Date/Time: 6/30/11 1055

Total Cost:

P.I.F.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

110701061

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	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 FAX: -3311	PHONE:	FAX:	STD	OTHER
ATTN:	Jane Daloia	ATTN:		1 2 3 5	X
COMMENTS:	Results to slarose@[redacted].com. Please return cooler.			Quotation #	JD110705

PROJECT NAME/SITE NAME: Apple Valley Shopping Center-LaGrange

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	524.2									REMARKS	PARADIGM LAB SAMPLE NUMBER				
1	6/30/11	9:00		X	AVS-EFF	GW	3	X												0	0	1
2																						
3																						
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: 9°c	Y ☐	N ☐
Comments:		

[signature] 6-30-11/9:00
Sampled By — Date/Time

[signature] 6-30-11/10:30
Relinquished By — Date/Time

Fedex
Received By — Date/Time

[signature] 7-1-11 2:42p
Received @ Lab By — Date/Time

Total Cost:

P.I.F.

PARADIGM

ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 11-2887
Issued July 21, 2011
This report contains a total of 8 pages

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

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

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

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

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

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

"<" = analyzed for but not detected at or above the reporting limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 11-2887
Lab Sample No.: 9529
Sample Type: Water
Date Sampled: 07/12/11
Date Received: 07/12/11
Date Analyzed: 07/14/11

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	< 0.5		Benzene	< 0.5	
Bromomethane	< 0.5		Bromobenzene	< 0.5	
Carbon Tetrachloride	< 0.5		n-Butylbenzene	< 0.5	
Chloroethane	< 1.0		sec-Butylbenzene	< 0.5	
Chloromethane	< 0.5		tert-Butylbenzene	< 0.5	
1,2-Dibromomethane	< 0.5		Chlorobenzene	< 0.5	
Dibromoethane	< 0.5		2-Chlorotoluene	< 0.5	
1,2-Dibromo-3-Chloropropane	< 0.5		4-Chlorotoluene	< 0.5	
Dichlorodifluoromethane	< 0.5		1,2-Dichlorobenzene	< 0.5	
1,1-Dichloroethane	< 0.5		1,3-Dichlorobenzene	< 0.5	
1,2- Dichloroethane	< 0.5		1,4-Dichlorobenzene	< 0.5	
1,1-Dichloroethene	< 0.5		Ethyl Benzene	< 0.5	
cis- 1,2-Dichloroethene	1.8		Hexachlorobutadiene	< 0.5	
trans-1,2-Dichloroethene	< 0.5		Isopropylbenzene	< 0.5	
1,2 - Dichloropropane	< 0.5		4-Isopropyltoluene	< 0.5	
1,3-Dichloropropane	< 0.5		Naphthalene	< 0.5	S
2,2-Dichloropropane	< 0.5		n-Propylbenzene	< 0.5	
1,1- Dichloropropene	< 0.5		Styrene	< 0.5	
cis-1,3-Dichloropropene	< 0.5		Toluene	< 0.5	
trans-1,3-Dichloropropene	< 0.5	S	1,2,3-Trichlorobenzene	< 0.5	
Methylene Chloride	< 0.5		1,2,4-Trichlorobenzene	< 0.5	
1,1,1,2-Tetrachloroethane	< 0.5		1,2,4-Trimethylbenzene	< 0.5	
1,1,2,2-Tetrachloroethane	< 0.5		1,3,5-Trimethylbenzene	< 0.5	
Tetrachloroethene	14.8	X	m,p-Xylene	< 0.5	
1,1,1-Trichloroethane	< 0.5		o-Xylene	< 0.5	
1,1,2-Trichloroethane	< 0.5		Methyl-t-Butyl Ether	< 2.0	
Trichloroethene	< 0.5		**Trihalomethanes**		
Trichlorofluoromethane	< 0.5		Bromodichloromethane	< 0.5	
1,2,3-Trichloropropane	< 0.5		Bromoform	< 0.5	S
Vinyl Chloride	< 0.5		Chloroform	< 0.5	
			Dibromochloromethane	< 0.5	

EPA Method 524.2 ELAP No.: 10709

Comments: X denotes value exceeds maximum contaminant level.
S denotes LCS recovered outside accepted QC limits.

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 11-2887

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

Client: Conrad Geoscience

Client Job Site: Apple Valley Shopping Center LaGrange

Client Job No.: AL030070

Field Location: AV-2

Lab Project No.: 11-2887

Lab Sample No.: 9530

Sample Type: Water

Date Sampled: 07/12/11

Date Received: 07/12/11

Date Analyzed: 07/14/11

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	< 0.5		Benzene	< 0.5	
Bromomethane	< 0.5		Bromobenzene	< 0.5	
Carbon Tetrachloride	< 0.5		n-Butylbenzene	< 0.5	
Chloroethane	< 1.0		sec-Butylbenzene	< 0.5	
Chloromethane	< 0.5		tert-Butylbenzene	< 0.5	
1,2-Dibromomethane	< 0.5		Chlorobenzene	< 0.5	
Dibromoethane	< 0.5		2-Chlorotoluene	< 0.5	
1,2-Dibromo-3-Chloropropane	< 0.5		4-Chlorotoluene	< 0.5	
Dichlorodifluoromethane	< 0.5		1,2-Dichlorobenzene	< 0.5	
1,1-Dichloroethane	< 0.5		1,3-Dichlorobenzene	< 0.5	
1,2- Dichloroethane	< 0.5		1,4-Dichlorobenzene	< 0.5	
1,1-Dichloroethene	< 0.5		Ethyl Benzene	< 0.5	
cis- 1,2-Dichloroethene	1.8		Hexachlorobutadiene	< 0.5	
trans-1,2-Dichloroethene	< 0.5		Isopropylbenzene	< 0.5	
1,2 - Dichloropropane	< 0.5		4-Isopropyltoluene	< 0.5	
1,3-Dichloropropane	< 0.5		Naphthalene	< 0.5	S
2,2-Dichloropropane	< 0.5		n-Propylbenzene	< 0.5	
1,1- Dichloropropene	< 0.5		Styrene	< 0.5	
cis-1,3-Dichloropropene	< 0.5		Toluene	< 0.5	
trans-1,3-Dichloropropene	< 0.5	S	1,2,3-Trichlorobenzene	< 0.5	
Methylene Chloride	< 0.5		1,2,4-Trichlorobenzene	< 0.5	
1,1,1,2-Tetrachloroethane	< 0.5		1,2,4-Trimethylbenzene	< 0.5	
1,1,2,2-Tetrachloroethane	< 0.5		1,3,5-Trimethylbenzene	< 0.5	
Tetrachloroethene	8.8	X	m,p-Xylene	< 0.5	
1,1,1-Trichloroethane	< 0.5		o-Xylene	< 0.5	
1,1,2-Trichloroethane	< 0.5		Methyl-t-Butyl Ether	< 2.0	
Trichloroethene	1.8		**Trihalomethanes**		
Trichlorofluoromethane	< 0.5		Bromodichloromethane	< 0.5	
1,2,3-Trichloropropane	< 0.5		Bromoform	< 0.5	S
Vinyl Chloride	< 0.5		Chloroform	< 0.5	
			Dibromochloromethane	< 0.5	

EPA Method 524.2

ELAP No.: 10709

Comments: X denotes value exceeds maximum contaminant level.
S denotes LCS recovered outside accepted QC limits.

Approved By: _____

Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

Client: Conrad Geoscience

Client Job Site: Apple Valley Shopping Center LaGrange

Client Job No.: AL030070

Field Location: RW-1

Lab Project No.: 11-2887

Lab Sample No.: 9531

Sample Type: Water

Date Sampled: 07/12/11

Date Received: 07/12/11

Date Analyzed: 07/19/11

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	< 5.0		Benzene	< 5.0	
Bromomethane	< 5.0		Bromobenzene	< 5.0	
Carbon Tetrachloride	< 5.0		n-Butylbenzene	< 5.0	
Chloroethane	< 10.0		sec-Butylbenzene	< 5.0	
Chloromethane	< 5.0		tert-Butylbenzene	< 5.0	S
1,2-Dibromomethane	< 5.0		Chlorobenzene	< 5.0	
Dibromoethane	< 5.0		2-Chlorotoluene	< 5.0	
1,2-Dibromo-3-Chloropropane	< 5.0		4-Chlorotoluene	< 5.0	
Dichlorodifluoromethane	< 5.0		1,2-Dichlorobenzene	< 5.0	
1,1-Dichloroethane	< 5.0		1,3-Dichlorobenzene	< 5.0	
1,2- Dichloroethane	< 5.0		1,4-Dichlorobenzene	< 5.0	S
1,1-Dichloroethene	< 5.0	S	Ethyl Benzene	< 5.0	
cis- 1,2-Dichloroethene	1.8		Hexachlorobutadiene	< 5.0	
trans-1,2-Dichloroethene	< 5.0		Isopropylbenzene	< 5.0	S
1,2 - Dichloropropane	< 5.0		4-Isopropyltoluene	< 5.0	
1,3-Dichloropropane	< 5.0		Naphthalene	< 5.0	S
2,2-Dichloropropane	< 5.0		n-Propylbenzene	< 5.0	S
1,1- Dichloropropene	< 5.0		Styrene	< 5.0	
cis-1,3-Dichloropropene	< 5.0		Toluene	< 5.0	
trans-1,3-Dichloropropene	< 5.0	S	1,2,3-Trichlorobenzene	< 5.0	
Methylene Chloride	8.5	X	1,2,4-Trichlorobenzene	< 5.0	
1,1,1,2-Tetrachloroethane	< 5.0		1,2,4-Trimethylbenzene	< 5.0	S
1,1,2,2-Tetrachloroethane	< 5.0		1,3,5-Trimethylbenzene	< 5.0	S
Tetrachloroethene	71.4	X	m,p-Xylene	< 5.0	
1,1,1-Trichloroethane	< 5.0		o-Xylene	< 5.0	
1,1,2-Trichloroethane	< 5.0		Methyl-t-Butyl Ether	< 20.0	
Trichloroethene	5.9	X	**Trihalomethanes**		
Trichlorofluoromethane	< 5.0	S	Bromodichloromethane	< 5.0	
1,2,3-Trichloropropane	< 5.0		Bromoform	< 5.0	S
Vinyl Chloride	< 5.0	S	Chloroform	< 5.0	
			Dibromochloromethane	< 5.0	

EPA Method 524.2

ELAP No.: 10709

Comments: X denotes value exceeds maximum contaminant level.
S denotes LCS recovered outside accepted QC limits.

Approved By: _____

Bruce Hoogesteger, Technical Director

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 11-2887
Lab Sample No.: 9532
Sample Type: Water
Date Sampled: 07/12/11
Date Received: 07/12/11
Date Analyzed: 07/19/11

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	< 50.0		Benzene	< 50.0	
Bromomethane	< 50.0		Bromobenzene	< 50.0	
Carbon Tetrachloride	< 50.0		n-Butylbenzene	< 50.0	
Chloroethane	< 100		sec-Butylbenzene	< 50.0	
Chloromethane	< 50.0		tert-Butylbenzene	< 50.0	S
1,2-Dibromomethane	< 50.0		Chlorobenzene	< 50.0	
Dibromoethane	< 50.0		2-Chlorotoluene	< 50.0	
1,2-Dibromo-3-Chloropropane	< 50.0		4-Chlorotoluene	< 50.0	
Dichlorodifluoromethane	< 50.0		1,2-Dichlorobenzene	< 50.0	
1,1-Dichloroethane	< 50.0		1,3-Dichlorobenzene	< 50.0	
1,2- Dichloroethane	< 50.0		1,4-Dichlorobenzene	< 50.0	S
1,1-Dichloroethene	< 50.0	S	Ethyl Benzene	< 50.0	
cis- 1,2-Dichloroethene	< 50.0		Hexachlorobutadiene	< 50.0	
trans-1,2-Dichloroethene	< 50.0		Isopropylbenzene	< 50.0	S
1,2 - Dichloropropane	< 50.0		4-Isopropyltoluene	< 50.0	
1,3-Dichloropropane	< 50.0		Naphthalene	< 50.0	
2,2-Dichloropropane	< 50.0		n-Propylbenzene	< 50.0	S
1,1- Dichloropropene	< 50.0		Styrene	< 50.0	
cis-1,3-Dichloropropene	< 50.0		Toluene	< 50.0	
trans-1,3-Dichloropropene	< 50.0	S	1,2,3-Trichlorobenzene	< 50.0	
Methylene Chloride	98.0	X	1,2,4-Trichlorobenzene	< 50.0	
1,1,1,2-Tetrachloroethane	< 50.0		1,2,4-Trimethylbenzene	< 50.0	S
1,1,2,2-Tetrachloroethane	< 50.0		1,3,5-Trimethylbenzene	< 50.0	S
Tetrachloroethene	1680	X	m,p-Xylene	< 50.0	
1,1,1-Trichloroethane	< 50.0		o-Xylene	< 50.0	
1,1,2-Trichloroethane	< 50.0		Methyl-t-Butyl Ether	< 200	
Trichloroethene	< 50.0	X	**Trihalomethanes**		
Trichlorofluoromethane	< 50.0	S	Bromodichloromethane	< 50.0	
1,2,3-Trichloropropane	< 50.0		Bromoform	< 50.0	S
Vinyl Chloride	< 50.0	S	Chloroform	< 50.0	
			Dibromochloromethane	< 50.0	

EPA Method 524.2 ELAP No.: 10709

Comments: X denotes value exceeds maximum contaminant level.
S denotes LCS recovered outside accepted QC limits.

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 11-2887

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 11-2887
Lab Sample No.: 9533
Sample Type: Water
Date Sampled: 07/12/11
Date Received: 07/12/11
Date Analyzed: 07/19/11

VOLATILE HALOCARBONS	RESULTS (ug/L)		VOLATILE AROMATICS	RESULTS (ug/L)	
Bromochloromethane	< 10.0		Benzene	< 10.0	
Bromomethane	< 10.0		Bromobenzene	< 10.0	
Carbon Tetrachloride	< 10.0		n-Butylbenzene	< 10.0	
Chloroethane	< 20.0		sec-Butylbenzene	< 10.0	
Chloromethane	< 10.0		tert-Butylbenzene	< 10.0	S
1,2-Dibromomethane	< 10.0		Chlorobenzene	< 10.0	
Dibromoethane	< 10.0		2-Chlorotoluene	< 10.0	
1,2-Dibromo-3-Chloropropane	< 10.0		4-Chlorotoluene	< 10.0	
Dichlorodifluoromethane	< 10.0		1,2-Dichlorobenzene	< 10.0	
1,1-Dichloroethane	< 10.0		1,3-Dichlorobenzene	< 10.0	
1,2- Dichloroethane	< 10.0		1,4-Dichlorobenzene	< 10.0	S
1,1-Dichloroethene	< 10.0	S	Ethyl Benzene	< 10.0	
cis- 1,2-Dichloroethene	50.6	X	Hexachlorobutadiene	< 10.0	
trans-1,2-Dichloroethene	< 10.0		Isopropylbenzene	< 10.0	S
1,2 - Dichloropropane	< 10.0		4-Isopropyltoluene	< 10.0	
1,3-Dichloropropane	< 10.0		Naphthalene	< 10.0	
2,2-Dichloropropane	< 10.0		n-Propylbenzene	< 10.0	S
1,1- Dichloropropene	< 10.0		Styrene	< 10.0	
cis-1,3-Dichloropropene	< 10.0		Toluene	< 10.0	
trans-1,3-Dichloropropene	< 10.0	S	1,2,3-Trichlorobenzene	< 10.0	
Methylene Chloride	21.0	X	1,2,4-Trichlorobenzene	< 10.0	
1,1,1,2-Tetrachloroethane	< 10.0		1,2,4-Trimethylbenzene	< 10.0	S
1,1,2,2-Tetrachloroethane	< 10.0		1,3,5-Trimethylbenzene	< 10.0	S
Tetrachloroethene	398	X	m,p-Xylene	< 10.0	
1,1,1-Trichloroethane	< 10.0		o-Xylene	< 10.0	
1,1,2-Trichloroethane	< 10.0		Methyl-t-Butyl Ether	< 40.0	
Trichloroethene	46.2	X	**Trihalomethanes**		
Trichlorofluoromethane	< 10.0	S	Bromodichloromethane	< 10.0	
1,2,3-Trichloropropane	< 10.0		Bromoform	< 10.0	S
Vinyl Chloride	< 10.0	S	Chloroform	< 10.0	
			Dibromochloromethane	< 10.0	

EPA Method 524.2 ELAP No.: 10709

Comments: X denotes value exceeds maximum contaminant level.
S denotes LCS recovered outside accepted QC limits.

Approved By: _____
Bruce Hoogesteger, Technical Director

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM

Client: Conrad Geoscience EAH 7/12

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY: Paradigm Environmental		COMPANY: Same		LAB PROJECT #: 11-2887	CLIENT PROJECT #: AL030070
ADDRESS: 179 Lake Ave		ADDRESS:			
CITY: Rochester STATE: NY ZIP: 14608		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS) Sample "AVS-EFF" results need to be sent by 3:00 Friday. Otherwise, STD Standard TAT.	
PHONE: 585-647-2530 FAX: -5311		PHONE: FAX:		1 2 3 5 STD OTHER	
ATTN: Joe Daloia		ATTN:			
COMMENTS: Results to: slarose@conradgeo.com, stlarose@vassar.edu, dbrown@conradgeo.com		Please return coder.		Quotation # JD110705	

PROJECT NAME/SITE NAME: Apple Valley Shopping Center - LaGrange

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	524.2										REMARKS	PARADIGM LAB SAMPLE NUMBER
1	7-12-11	1210		X	AVS-EFF	GW	3	X										TOT for 3pm Friday	95249
2	↓	1216		↓	AV-2	↓	↓	↓										Std TOT	95301
3		1220			RW-1													" "	95311
4		1226			RW-2													" "	95322
5	↓	1232		↓	RW-3	↓	↓	↓										" "	95333
6																			
7																		Samples shipped directly to Adk by Client. EAH 7/12	
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:		

Sampled By — Date/Time: 7-12-11/1232

Relinquished By — Date/Time: 7-12-11/1330

Received By — Date/Time:

Received @ Lab By: Elizabeth A. Honch — Date/Time: 7/12/11 1803

Total Cost:

P.I.F.

11071302 1

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY: Paradigm Environmental		COMPANY: Same		LAB PROJECT #:	CLIENT PROJECT #: A1030070
ADDRESS: 179 Lake Ave		ADDRESS:			
CITY: Rochester STATE: NY ZIP: 14608		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS) Sample "AVS-EFF" results need to be sent by 3:00 Friday. Otherwise, STD Standard TAT.	
PHONE: 585-647-2530 FAX: -5311		PHONE: FAX:			
ATTN: Joe Daloia		ATTN:		1 2 3 X 5 STD OTHER	
PROJECT NAME/SITE NAME: Apple Valley Shopping Center - LaGrange	COMMENTS: Results to: slarose@conradgeo.com, cbrown@conradgeo.com, slarose@vassar.edu Please return cooler.			Quotation # JD110705	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	524.2										REMARKS	PARADIGM LAB SAMPLE NUMBER
1	7-12-11	1210		X	AVS-EFF	GW	3	X										TAT for 3pm Friday	001
2	↓	1216		↓	AV-2	↓	↓	↓										Std TAT	002
3		1220			12W-1													" "	003
4		1226			12W-2													" "	004
5	↓	1252		↓	12W-3	↓	↓	↓										" "	005
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: 5°C		

Sampled By — Date/Time: 7-12-11/1232

Relinquished By — Date/Time: 7-12-11/1330

Total Cost:

Received By — Date/Time:

P.I.F.

Received @ Lab By — Date/Time: 7/13/11 9:16 AM

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 11-3076
Issued August 3, 2011
This report contains a total of 4 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.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

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:

"<" = analyzed for but not detected at or above the reporting limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

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

LABORATORY REPORT PURGEABLE ORGANIC COMPOUNDS

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

Lab Project No.: 11-3076
Lab Sample No.: 10151
Sample Type: Water
Date Sampled: 07/26/11
Date Received: 07/26/11
Date Analyzed: 07/29/11

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

EPA Method 524.2 ELAP No.: 10709

Comments: S indicates that the LCS recovered outside accepted QC limits.

Approved By: _____

Bruce Hoogesteger, Technical Director

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

PARADIGM

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

Client: Conrad Geoscience (EAH 7/26)

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY:	Paradigm Environmental	COMPANY:	Same
ADDRESS:	179 Lake Ave	ADDRESS:	
CITY: Rochester	STATE: NY ZIP: 14608	CITY:	STATE: ZIP:
PHONE: 585-647-2530	FAX: -3311	PHONE:	FAX:
ATTN:	Jane Daloia	ATTN:	
COMMENTS:	Please return cooler.		

LAB PROJECT #: 11-3076

CLIENT PROJECT #: AL030070

TURNAROUND TIME: (WORKING DAYS) ☐1 ☐2 ☐3 ☒5 (STD) OTHER ☐

Quotation # JD110705

PROJECT NAME/SITE NAME: Apple Valley Shopping Center-LaGrange

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	524.2	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	7/26/11	935		X	AVS-EFF	GW	3	X		10151
2										
3										
4										
5										
6									Sample sent	
7									directly to sub	
8									lab by client.	
9									EAH 7/26	
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:	

	Date/Time
Sampled By: [signature]	7-26-11/935
Relinquished By: [signature]	7-26-11/1030
Received By:	
Received @ Lab By: Elizabeth A. Honck	7/26/11 1042

Total Cost: ☐

P.I.F. ☐

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

1107L7005

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT #: AL030070
ADDRESS:	179 Lake Ave	ADDRESS:			
CITY:	Rochester STATE: NY ZIP: 14608	CITY:	STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE:	585-647-2530 FAX: -3311	PHONE:	FAX:	STD ☒	OTHER ☐
ATTN:	Jane Dalora	ATTN:		☐ 1 ☐ 2 ☐ 3 ☒ 5	
PROJECT NAME/SITE NAME:	Apple Valley Shopping Center-LaGrange	COMMENTS:	Please return coder.	Quotation #	JD110705

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	SW-2									REMARKS	PARADIGM LAB SAMPLE NUMBER				
1	7/26/11	935		X	AVS-EFF	GW	3	X														1
2																						
3																						
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: 10°	Y ☐	N ☐
Comments:		

Sampled By — 7-26-11/935 Date/Time

Relinquished By — 7-26-11/1030 Date/Time

Received By — Fedex Date/Time

Received @ Lab By — 7-27-11 9:06 AM Date/Time

Total Cost:

P.I.F.