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

April 1, 2011

APR 0 4 2011

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

Re: **4th Quarter 2010 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 November 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.

QUARTERLY GROUNDWATER MONITORING

On November 23, 2010, Conrad Geoscience collected groundwater samples from Recovery Wells RW-1, RW-2, RW-3, and AV-2. A groundwater remediation system effluent sample was also collected (AVS-EFF). Depth-to-water measurements were recorded from the top of each monitoring well casing, and a groundwater contour map was prepared based on these measurements (Figure 3).

Recovery Well Sampling

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

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

Initial results for the treated discharge pipe were anomalous, and an additional sample was collected on December 21.

RESULTS

Recovery Wells

Sample results for 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 (16.1 µg/l); RW-2 (2,210 µg/l); RW-3 (451 µg/l); and AV-2 (11.0 µg/l). The total COC concentration for AVS-EFF was 2.1 µg/l.

Based on the mass loading and measured effluent concentrations of the COC on November 23, the air stripper was performing at 98.3% removal efficiency for COC. However, this is based on anomalous effluent concentrations. Influent COC were not re-sampled during effluent re-sampling, so removal efficiency cannot be recalculated.

DISCUSSION

The November 2010 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 Wells RW-1 and AV-2 were lower than any previous results recorded since sampling began in 2006. Total COC concentrations in Recovery Well RW-3 were one of the lowest since sampling began in 2006. Total COC concentrations in Recovery Well RW-2 are approximately four times 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. We conclude, therefore, that the extraction and treatment system continues to exert effective plume control. Extraction wells continue to remove significant amounts of COC from groundwater and the extraction and treatment system continues to remove VOCs at a high removal efficiency.

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

Sincerely,

CONRAD GEOSCIENCE CORP.

Christopher B. Brown, CPG
Vice President/Senior Hydrogeologist

CBB/tla

attachments

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

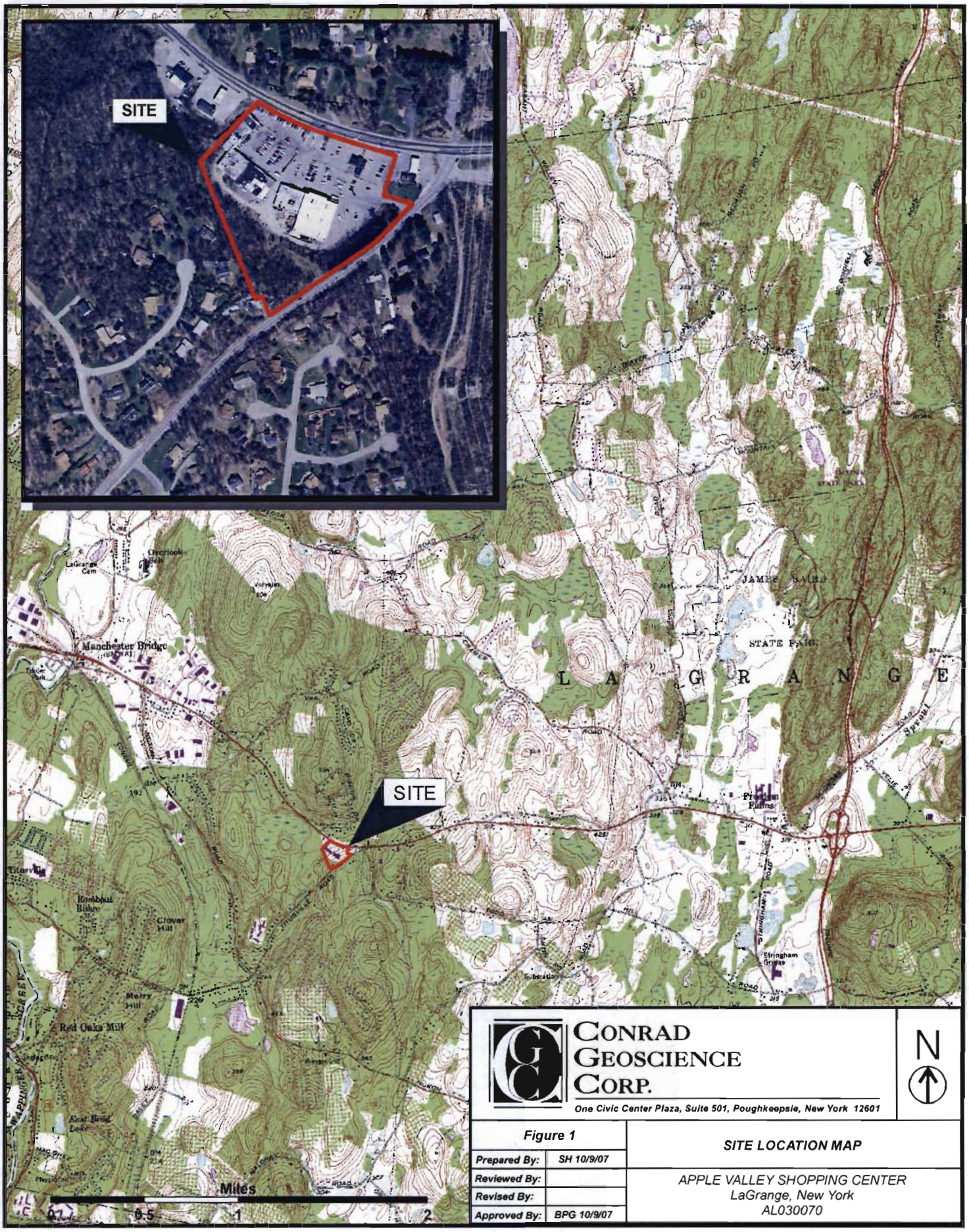

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Figure 1		SITE LOCATION MAP
Prepared By:	SH 10/9/07	
Reviewed By:		APPLE VALLEY SHOPPING CENTER LaGrange, New York AL030070
Revised By:		
Approved By:	BPG 10/9/07	

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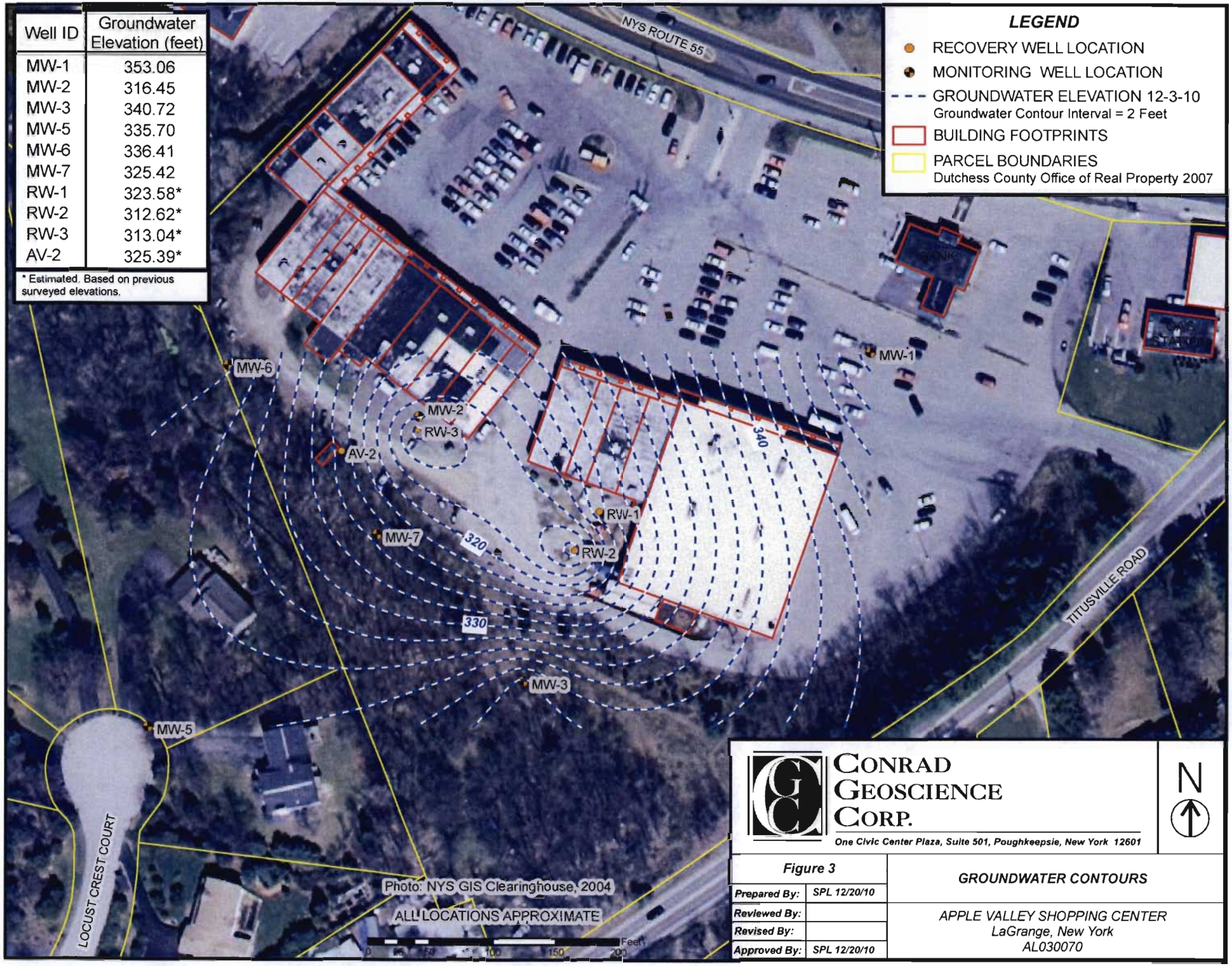
Figure 2		SELECTED SITE FEATURES MAP
Prepared By:	SH 10/9/07	
Reviewed By:		APPLE VALLEY SHOPPING CENTER LaGrange, New York AL030070
Revised By:	SPL 5/11/09	
Approved By:	SPL 5/1//09	



Well ID	Groundwater Elevation (feet)
MW-1	353.06
MW-2	316.45
MW-3	340.72
MW-5	335.70
MW-6	336.41
MW-7	325.42
RW-1	323.58*
RW-2	312.62*
RW-3	313.04*
AV-2	325.39*

* Estimated. Based on previous surveyed elevations.

LEGEND

- RECOVERY WELL LOCATION
- MONITORING WELL LOCATION
- GROUNDWATER ELEVATION 12-3-10
  Groundwater Contour Interval = 2 Feet
- BUILDING FOOTPRINTS
- PARCEL BOUNDARIES
  Dutchess County Office of Real Property 2007

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Figure 3		GROUNDWATER CONTOURS
Prepared By:	SPL 12/20/10	
Reviewed By:		APPLE VALLEY SHOPPING CENTER LaGrange, New York AL030070
Revised By:		
Approved By:	SPL 12/20/10	

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

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
RW-1	2-9-06	**2,850**	**119**	**53.6**	ND < 10	3,022.6
	3-9-06	**412**	**19.9**	**13.6**	ND < 1.0	445.5
	5-16-06	**394**	**21.0**	**19.0**	ND < 1.0	434
	8-22-06	**583**	**6.4**	**8.6 M**	ND < 2.5	598
	11-28-06	**265**	**7.7**	**10**	ND < 1.0	282.7
	12-11-06	**217**	**6.9**	**9.4**	ND < 2.5	233.3
	3-1-07	**591**	**7.4**	**5.4**	ND < 2.5	603.8
	5-29-07	**298**	**8.4**	ND < 1.0	ND < 1.0	306.4
	8-28-07	**763**	**9.1**	**5.2**	ND < 5.0	777.3
	11-28-07	**606**	**7.8**	**7.4**	ND < 2.5	621.2
	2-28-08	**1,400**	**14.0**	**18.4**	ND < 10	1,432.4
	5-27-08	**1,170**	**45.0**	**102**	ND<10	1,317
	9-9-08	**925**	**20.9**	**18.5**	ND<5.0	964.4
	11-25-08	**3,090**	ND<50.0	ND<50.0	ND<50.0	3,090
	3-5-09	**500**	**15.2**	ND<10	ND<10 S	515.2
	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
	5-27-10	**93.7**	**5.7**	ND<5	ND<5 M	99.4
	8-25-10	**310**	**26.5**	**27.4**	ND<5.0	363.9
	11-23-10	**15.5**	**0.6**	ND<0.5	ND<0.5	16.1

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

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

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
RW-2	2-9-06	**7,860**	**132**	**148**	ND < 25	8,140
	3-9-06	**2,960**	**24.8**	**20.8**	ND < 10	3,005.6
	5-16-06	**1,800**	**12.2**	**20.1**	ND < 5.0	1,832.3
	8-22-06	**14,100**	**76**	**177 M**	ND < 50.0	14,353
	11-28-06	**3,340**	ND < 25.0	**25.5**	ND < 25.0	3,365.5
	12-11-06	**1,190**	**10.9**	**22.1**	ND < 5.0	1,223
	3-1-07	**5,100**	ND < 50.0	ND < 50.0	ND < 50.0	5,100
	5-29-07	**1,080**	**16.6**	ND < 10.0	ND < 10.0	1,096.6
	8-28-07	**325**	4.1	3 6	ND < 2.5	332.7
	11-28-07	**1,770**	ND < 10.0	ND < 10.0	ND < 10.0	1,770
	2-28-08	**4,700**	**30.5**	**46.0**	ND < 25	4,776.5
	5-27-08	**2,510**	**187**	**114**	ND<25.0	2,811
	9-9-08	**4,040**	**52.5**	**68.0**	ND<25.0	4,160.5
	11-25-08	**4,790**	ND < 100.0	ND < 100.0	ND < 100.0	4,790
	3-5-09	**4,800**	ND<100	ND<100	ND<100 S	4,800
	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
	5-27-10	**1,000**	ND<50	ND<50	ND<50	1,000
	8-25-10	**421**	ND<10	ND<10	ND<10	421
	11-23-10	**2,210**	ND<100	ND<100	ND<100	2,210

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

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

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
RW-3	2-9-06	**1,250**	**102**	**88.8**	ND < 5.0	1,440.8
	3-9-06	**567**	**67.3**	**72.8**	**3.9**	711
	5-16-06	**538**	**53.8**	**99.4**	ND < 2.5	691.2
	8-22-06	**151**	**19.6**	**34.1** M	ND < 2.5	204.7
	11-28-06	**451**	**49.5**	**103**	**4.0**	607.5
	12-11-06	**467**	66.4	**147**	**5.7**	686.1
	3-1-07	**494**	**59**	**75.3**	ND < 2.5	628.3
	5-29-07	**550**	**54.3**	**93.8**	**5.2**	703.3
	8-28-07	**657**	**69.7**	**121**	**4.4**	852.1
	11-28-07	**541**	**57.0**	**103**	ND < 5.0 S	701
	2-28-08	**618**	**53.0**	**99.7**	ND < 5.0	770.7
	5-27-08	**543**	**55.2**	**89.8**	ND<10	688
	9-9-08	**480**	**54.2**	**85.2**	ND<5.0	619.4
	11-25-08	**876**	**82.2**	**120**	ND<10	1,078.2
	3-5-09	**347**	**38.8**	**49.4**	ND<10 S	435.2
	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
	5-27-10	**521**	**57.0**	**87.5**	ND<25 M	665.5
	8-25-10	**180**	**18.6**	**30.9**	ND<5.0	229.5
	11-23-10	**368**	**46.4**	**36.6**	ND<10	451

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

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
AV-2	2-9-06	**3,560**	**380**	**979**	ND < 10	4,919
	3-9-06	**90.7**	**11.0**	**19.5**	ND < 0.5	121.2
	5-16-06	**913**	**13.2**	**18.0**	ND < 2.5	944.2
	8-22-06	**28.4**	3.4	**9.9** M	ND < 0.5	41.7
	11-28-06	**24.7**	3.5	**6.6**	ND < 0.5	34.8
	12-11-06	**28.5**	4.0	**9.2**	ND < 0.5	41.7
	3-1-07	**25.4**	4.0	**5.2**	ND < 0.5	34.6
	5-29-07	**26.0**	3.8	**6.1**	ND < 0.5	35.9
	8-28-07	**24.4**	ND < 0.5	**6.5**	ND < 0.5	30.9
	11-28-07	**13.2**	2.1	3.6	ND < 0.5 S	18.9
	2-28-08	**126**	**10.7**	**26.2**	ND < 0.5	162.9
	5-27-08	**98.5**	**10.4**	**24.3**	ND<0.5	133.2
	9-9-08	**10**	1.8	3.3	ND<0.5	15.1
	11-25-08	**20.9**	3.3	4.6	ND<0.5	28.8
	3-5-09	**180**	**17.5**	**31.4**	ND<0.5	228.9
	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
	5-27-10	**17.2**	2.8	4.1	ND<0.5 M	24.1
	8-25-10	**14.8**	2.1	1.9	ND<0.5	18.8
	11-23-10	**8.3**	1.4	1 3	ND<0.5	11.0

Notes:
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Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;
S = Spike recovery outside accepted recovery limits;
M = Matrix spike recoveries outside QC limits. Matrix bias indicated;
COC = Contaminants of concern.

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

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
AVS-EFF	2-9-06	**146**	**8.3**	**22.1**	ND < 0.5	176.4
	3-9-06	**12.3**	1.1	1.4	ND < 0.5	14.8
	5-16-06	**14**	0.6	1.5	ND < 0.5	16.1
	7-5-06	1 7	ND < 0.5	ND < 0.5	ND < 0.5	1.7
	8-22-06	**7.4**	ND < 0.5	ND < 0.5	ND < 0.5	7.4
	11-28-06	**85.8**	4.9	**13.0**	ND < 0.5	103.7
	12-11-06	2.1	ND < 0.5	ND < 0.5	ND < 0.5	2.1
	3-1-07	2.4	ND < 0.5	ND < 0.5	ND < 0.5	2.4
	5-29-07	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	8-28-07	2.0	ND < 0.5	ND < 0.5	ND < 0.5	2.0
	11-28-07	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5 S	0
	2-28-08	2.8	ND < 0.5	ND < 0.5	ND < 0.5	2.8
	5-27-08	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0
	9-11-08	0.5	ND<0.5	ND<0.5	ND<0.5	0.5
	11-25-08	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
	3-5-09	1.4	ND<0.5	ND<0.5	ND<0.5	1.4
	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
	5-27-10	4.1	ND<0.5	0.6	ND<0.5	4.7
	8-25-10	3.5	ND<0.5	0.6	ND<0.5	4.1
	12-21-10	2.1	ND<0.5	ND<0.5	ND<0.5	2.1

Notes:
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All concentrations are in µg/l;
ND = Not detected above the method detection limit listed;
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards.
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 December 2010;**
Apple Valley Shopping Center, Lagrange, New York;
Conrad Geoscience File #AL030070

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
AV-1	1-16-06	**35.5**	1.4	2.0	ND < 0.5	38.9
	5-16-06	**13.9**	ND < 0.5	ND < 0.5	ND < 0.5	13.9
	8-23-06	**10.3**	0.6	0.8 M	ND < 0.5	11.7
MW-1	1-17-06	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	5-16-06	ND < 0.5	2.2	ND < 0.5	ND < 0.5	2.2
	8-22-06	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	8-28-07	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	9-10-08	3.5	ND<0.5	ND<0.5	ND<0.5	3.5
MW-2	1-13-06	**967**	**95.7**	**94.9**	ND < 5.0	1,157.6
	5-16-06	**4,440**	**638**	**1,300**	ND < 25.0	6,378
	8-22-06	**2,710**	**390**	**943 M**	**24.2**	4,067.2
	8-28-07	**2,760**	**396**	**752**	**31.0**	3,939
	9-10-08	**1,290**	**182**	**484**	**32.7**	1,988.7
	8-25-09	**2,630**	**440**	**772**	ND<100 S	3,842
	8-25-10	**468**	**63.2**	**106**	ND<10	637.2
MW-3	1-16-06	0.6	ND < 0.5	ND < 0.5	ND < 0.5	0.6
	5-16-06	2.6	ND < 0.5	ND < 0.5	ND < 0.5	2.6
	8-23-06	4.3	ND < 0.5	ND < 0.5	ND < 0.5	4.3
	8-29-07	2.5	ND < 0.5	ND < 0.5	ND < 0.5	2.5
	9-10-08	2.8	ND<0.5	0.6	ND<0.5	3.4

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

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

Sample Identification	Dates Sampled	Chemical Constituent				
		Tetrachloroethene (5 µg/l[1])	Trichloroethene (5 µg/l[1])	cis-1,2-Dichloroethene (5 µg/l[1])	Vinyl Chloride (2 µg/l[1])	Total COC
Volatile Organic Compounds						
MW-5	1-18-06	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	8-23-06	4.0	ND < 0.5	0.6 M	ND < 0.5	4.6
	3-5-07	2.0	ND < 0.5	ND < 0.5	ND < 0.5	2.0
	8-28-07	3.3	ND < 0.5	ND < 0.5	ND < 0.5	3.3
	3-26-08	0.7	ND < 0.5	ND < 0.5	ND < 0.5	0.7
	9-11-08	2.4	ND<0.5	ND<0.5	ND<0.5	2.4
MW-6	1-16-06	**21.6**	3.4	**7.9**	ND < 0.5	32.9
	5-16-06	**6.0**	0.6	ND < 0.5	ND < 0.5	6.6
	8-22-06	3.7	ND < 0.5	ND < 0.5	ND < 0.5	3.7
	8-28-07	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0
	9-10-08	2.8	ND<0.5	ND<0.5	ND<0.5	2.8
MW-7	1-16-06	**6.1**	3.6	0.9	ND < 0.5	10.6
	5-16-06	**34.0**	3.2	**7.3**	ND < 0.5	44.5
	8-22-06	**23.6**	2.8	**8.7 M**	ND < 0.5	35.1
	8-28-07	**12.5**	1.9	2.8	ND < 0.5	17.2
	9-10-08	**17.1**	1.4	3.7	ND<0.5	22.2
	8-25-09	**27.2**	3.9	**8.0**	ND<0.5 S	39.1
	8-25-10	**9.9**	2.7	2.6	ND<0.5	15.2

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

PARADIGM

ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 10-4815
Issued December 2, 2010
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, NY
Client Job No.: AL030070
Field Location: AV-2

Lab Project No.: 10-4815
Lab Sample No.: 15251
Sample Type: Ground Water
Date Sampled: 11/23/10
Date Received: 11/23/10
Date Analyzed: 12/01/10

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	1.3		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		1,2,4-Trimethylbenzene	< 0.5
1,1,2,2-Tetrachloroethane	< 0.5		1,3,5-Trimethylbenzene	< 0.5
Tetrachloroethene	8.3	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	1.4		**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: "X" denotes the value has exceeded Maximum Containment Level.
Surrogate outliers indicate probable matrix interference.

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, NY
Client Job No.: AL030070
Field Location: AVS-EFF

Lab Project No.: 10-4815
Lab Sample No.: 15250
Sample Type: Ground Water
Date Sampled: 11/23/10
Date Received: 11/23/10
Date Analyzed: 12/01/10

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	< 0.5		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		1,2,4-Trimethylbenzene	< 0.5
1,1,2,2-Tetrachloroethane	< 0.5		1,3,5-Trimethylbenzene	< 0.5
Tetrachloroethene	6.4	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

EPA Method 524.2 ELAP No.: 10709

Comments: "X" denotes the value has exceeded Maximum Containment Level.
Surrogate outliers indicate probable matrix interference.

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, NY
Client Job No.: AL030070
Field Location: RW-1

Lab Project No.: 10-4815
Lab Sample No.: 15252
Sample Type: Ground Water
Date Sampled: 11/23/10
Date Received: 11/23/10
Date Analyzed: 12/01/10

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	< 0.5		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	0.9	B	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	15.5	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	0.6		**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: "X" denotes the value has exceeded Maximum Containment Level.
Surrogate outliers indicate probable matrix interference.

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, NY
Client Job No.: AL030070
Field Location: RW-2

Lab Project No.: 10-4815
Lab Sample No.: 15253
Sample Type: Ground Water
Date Sampled: 11/23/10
Date Received: 11/23/10
Date Analyzed: 12/01/10

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		n-Propylbenzene	< 100
1,1- Dichloropropene	< 100		Styrene	< 100
cis-1,3-Dichloropropene	< 100		Toluene	< 100
trans-1,3-Dichloropropene	< 100		1,2,3-Trichlorobenzene	< 100
Methylene Chloride	208	BX	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	2210	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

EPA Method 524.2 ELAP No.: 10709

Comments: "X" denotes the value has exceeded Maximum Containment Level.
Surrogate outliers indicate probable matrix interference.

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, NY
Client Job No.: AL030070
Field Location: RW-3

Lab Project No.: 10-4815
Lab Sample No.: 15254
Sample Type: Ground Water
Date Sampled: 11/23/10
Date Received: 11/23/10
Date Analyzed: 12/01/10

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	36.6	X	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		n-Propylbenzene	< 10
1,1- Dichloropropene	< 10		Styrene	< 10
cis-1,3-Dichloropropene	< 10		Toluene	< 10
trans-1,3-Dichloropropene	< 10		1,2,3-Trichlorobenzene	< 10
Methylene Chloride	21.4	BX	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	368	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	46.4	X	**Trihalomethanes**	
Trichlorofluoromethane	< 10		Bromodichloromethane	< 10
1,2,3-Trichloropropane	< 10		Bromoform	< 10
Vinyl Chloride	< 10		Chloroform	< 10
			Dibromochloromethane	< 10

EPA Method 524.2 ELAP No.: 10709

Comments: "X" denotes the value has exceeded Maximum Containment Level.
Surrogate outliers indicate probable matrix interference.

Approved By: _____
Bruce Hoogesteger, Technical Director

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

PARADIGM ENVIRONMENTAL SERVICES, INC.

Client: Conrad Geoscience EAH 11/23

CHAIN OF CUSTODY

REPORT TO		INVOICE TO			
COMPANY: Paradigm Environmental		COMPANY: Same		LAB PROJECT #: 10-4815	CLIENT PROJECT #: ALO3007.0
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: 2611		PHONE: FAX:		STD	OTHER
PROJECT NAME/SITE NAME: Apple Valley Shopping Center- LaGrange, NY	ATTN: [illegible]	ATTN:		1 2 3 5	X
	COMMENTS: Please e-mail results to Conrad Geoscience			Quotation # JD/10705	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	S2442									REMARKS	PARADIGM LAB SAMPLE NUMBER
1	11/23/10	1015		X	AVS-EFF	GW	3	X										15250
2	↓	1021		↓	AV-2	↓	↓	↓										15251
3		1026			RW-1													15252
4		1032			RW-2													15253
5	↓	1037		↓	RW-3	↓	↓	↓										15254
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:	unknown- ee EAH 11/23	Y [X] N [ ]
Preservation:	Sent directly to sub	Y [ ] N [ ]
Holding Time:	lab by client	Y [ ] N [ ]
Temperature:		Y [ ] N [ ]

Comments:

[signature] 11-23-10/1037
Sampled By Date/Time

[signature] 11-23-10/1130
Relinquished By Date/Time

Received By Date/Time

Elizabeth A Honch 11/23/10 1635
Received @ Lab By Date/Time

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

10112 4025

REPORT TO:

COMPANY: Paradigm Environmental
ADDRESS: 179 Lake Ave
CITY: Rochester STATE: NY ZIP: 14608
PHONE: 585-647-2530 FAX: -3311
ATTN: Jane Daloia

INVOICE TO:

COMPANY: Same
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #:
CLIENT PROJECT #: AL030070

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

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

COMMENTS: Please return cooler to Conrad Geoscience

Quotation # JD110705

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	524.2									REMARKS	PARADIGM LAB SAMPLE NUMBER				
1	11/23/10	1015		X	AVS-EFF	GW	3	X												0	0	1
2	↓	1021		↓	AV-2	↓	↓	↓												0	0	2
3		1026			RW-1															0	0	3
4		1032			RW-2															0	0	4
5	↓	1037		↓	RW-3	↓	↓	↓												0	0	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: 6°c	Y ☐	N ☐
Comments:		

Sampled By — Date/Time: 11-23-10 / 1037

Relinquished By — Date/Time: 11-23-10 / 1130

Received By — Date/Time: 11-24-10 10:37 AM

Received @ Lab By — Date/Time

Total Cost:

P.I.F.

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 10-5181
Issued December 29, 2010
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
Client Job No.: AL030071
Field Location: AVS-EFF

Lab Project No.: 10-5181
Lab Sample No.: 16183
Sample Type: Ground Water
Date Sampled: 12/21/10
Date Received: 12/23/10
Date Analyzed: 12/29/10

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	< 0.5	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	1,2,4-Trimethylbenzene	< 0.5
1,1,2,2-Tetrachloroethane	< 0.5	1,3,5-Trimethylbenzene	< 0.5
Tetrachloroethene	2.1	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

EPA Method 524.2 ELAP No.: 10709

Comments: Surrogate outliers indicate probable matrix interference.

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 10-5181

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

PARADIGM ENVIRONMENTAL SERVICES, INC.

Client: Conrad Geoscience EAH 12/23

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:		
COMPANY:	COMPANY: Same	LAB PROJECT #: 10-5181	CLIENT PROJECT #: AL030071
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS) 5-Day STD	OTHER
PHONE: FAX:	PHONE: FAX:		
PROJECT NAME/SITE NAME: Apple Valley Shopping Center	ATTN:	ATTN:	1 2 3 X 5
	COMMENTS:		Quotation # JD110705

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	624.1									REMARKS	PARADIGM LAB SAMPLE NUMBER
1	12/21/10	823		X	AVS-EFF	GW	3	X										16183
2																		
3																		
4																	☆ above analysis	
5																	Sent directly to Sub-lab by client EAH 12/23	
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:		

Sampled By — Date/Time: 12-21-10/823

Relinquished By — Date/Time: 12-21-10/1400

Total Cost:

Received By — Date/Time: Elizabeth A. Honch 12/23/10 1145

Received @ Lab By — Date/Time

P.I.F.

10122206 4

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

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT #: A050671
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:	5-Day STD	OTHER
ATTN:	Jane Dalton	ATTN:		1 2 3 X 5	
COMMENTS:	Please return cooler to Conrad Geo; results to slarose@conradgeo.com			Quotation #	JD110705

PROJECT NAME/SITE NAME: Apple Valley Shopping Center

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	5224.2									REMARKS	PARADIGM LAB SAMPLE NUMBER				
1	12/21/10	823		X	AVS-EFF	GW	3	X										01				
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: 2°C	Y ☐	N ☐
Comments:		

Sampled By — Date/Time: 12-21-10 / 823

Relinquished By — Date/Time: 12-21-10 / 900

Received By: Fedex — Date/Time

Received @ Lab By — Date/Time: 12-22-10 4:05pm

Total Cost:

P.I.F.