8 Raymond Avenue, Poughkeepsie, New York 12603 • 845/454-2544 • fax: 845/454-2655

October 31, 2006

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

### Re: 2006 Cumulative Vapor Intrusion Mitigation and Sampling Results;

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

Dear Mr. MacCabe:

Results of vapor intrusion monitoring at the Apple Valley Shopping Center in LaGrange, New York (Figure 1) in January 2006 indicated the need for vapor mitigation measures in three locations: Freshtown Marketplace (formerly Foodtown), Absolute Pizza and Lagrange Pharmacy. Following installation of sub-slab depressurization systems, additional vapor intrusion monitoring was conducted. This report summarizes the following tasks:

- February 2006 Sub-Slab Depressurization System Installation;
- February and March 2006 Sub-Slab Depressurization System Effectiveness Monitoring;
- June 2006 Sub-Slab Vapor and Indoor Air Quality Monitoring;
- July 2006 Venting of Grease Trap Piping Backfill;
- August 2006 Sub-Slab Vapor and Indoor Air Quality Monitoring.

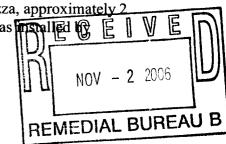
Field activities, procedures and results are summarized below.

### FEBRUARY 2006 – SUB-SLAB DEPRESSURIZATION SYSTEM INSTALLATION

Between February 15 and 17, 2006, Conrad Geoscience supervised the installation of sub-slab depressurization systems in Absolute Pizza and Freshtown Marketplace.

### Absolute Pizza

One suction pit (SPAP-1) was installed in the rear of Absolute Pizza, approximately 2 feet west of Sub-Slab Vapor Sample Port SVAP-1 (Figure 2). SPAP-1 was proximately 2



drilling a 6-inch diameter hole through the floor slab, then excavating approximately 1.5 cubic feet of sub-slab soils. The excavation was then backfilled with sand and gravel. A four-inch diameter PVC pipe was installed in the sand and gravel and sealed with concrete. The four-inch PVC pipe was vented to the outside of the building, and fitted with a Fantech HP200 fan to remove sub-slab vapors. A U-tube manometer was installed to monitor the sub-slab vacuum being drawn by the fan.

During system installation, one Observation Point (OBAP-1) was installed approximately 41 feet north of SPAP-1, near the cash register (Figure 2). The observation point was installed by drilling a 1-inch diameter hole through the floor slab. OBAP-1 is plugged with a rubber stopper when not in use.

### Freshtown Marketplace

Three suction pits (SPFT-1, SPFT-2 and SPFT-3) were installed in the rear storage area of Foodtown (Figure 2). SPFT-1 was installed approximately 6 feet south of Sub-Slab Vapor Sample Port SVFT-4. SPFT-2 was installed approximately 17 feet west of Sub-Slab Vapor Sample Port SVFT-1. SPFT-3 was installed approximately 11 feet west of Sub-Slab Vapor Sample Port SVFT-2.

Suction pits were installed by drilling a six-inch diameter hole through the floor slab, then excavating approximately 1.5 cubic feet of sub-slab soils. The excavation was backfilled with sand and gravel. A four-inch diameter PVC pipe was installed in the sand and gravel and sealed with concrete. Piping from each suction pit was manifolded at SPFT-1 and vented to the outside of the building, and fitted with a RadonAway RP265 fan to remove sub-slab vapors. A U-tube manometer was installed to monitor the sub-slab vacuum drawn by the fan.

During system installation, one system effectiveness Observation Point (OBFT-1) was installed approximately 15-feet north of SVFT-4 (Figure 2). The observation point was installed by drilling a one-inch diameter hole through the floor slab. OBFT-1 is plugged with a rubber stopper when not in use.

## FEBRUARY AND MARCH 2006 – SUB-SLAB DEPRESSURIZATION SYSTEM EFFECTIVENESS MONITORING

On February 22 and March 1, 2006, Conrad Geoscience monitored the effectiveness of the sub-slab depressurization systems at Absolute Pizza and Freshtown Marketplace. Conrad Geoscience used an Infiltec DM1 Digital Micro-Manometer to measure the differential pressure between the indoor and sub-slab environments.



### **Absolute Pizza**

The effectiveness of the sub-slab depressurization system at Absolute Pizza was monitored at SVAP-1 and OBAP-1.

Conrad Geoscience monitored the differential pressure at SVAP-1 by connecting one end of 1/8-inch ID vinyl tubing to a compression fitting, which threads into SVAP-1. The other end of the 1/8-inch ID vinyl tubing connects to a brass pressure port on the micro-manometer. The second brass pressure port on the micro-manometer is left open to the air inside Absolute Pizza. The micro-manometer measures the differential pressure between the two brass ports.

The differential pressure at OBAP-1 was monitored by connecting one end of the 1/8-inch ID vinyl tubing to a 3/16-inch brass tube which is inserted into the rubber stopper that plugs OBAP-1. The other end of the 1/8-inch ID vinyl tubing connects to a brass pressure port on the micro-manometer. The second brass pressure port on the micro-manometer is left open to the air inside Absolute Pizza.

### Freshtown Marketplace

The effectiveness of the sub-slab depressurization system at Freshtown Marketplace was monitored at SVFT-1, SVFT-2, SVFT-3, SVFT-4 and OBFT-1.

Conrad Geoscience monitored the differential pressure at SVFT-1, SVFT-2, SVFT-3 and SVFT-4 by connecting one end of 1/8-inch ID vinyl tubing to a compression fitting, which threads into each sub-slab vapor sample port. The other end of the 1/8-inch ID vinyl tubing connects to a brass pressure port on the micro-manometer. The second brass pressure port on the micro-manometer is left open to the air inside Freshtown Marketplace. The micro-manometer measures the differential pressure between the two brass ports.

The differential pressure at OBFT-1 was monitored by connecting one end of the 1/8-inch ID vinyl tubing to a 3/16-inch brass tube which is inserted into the rubber stopper that plugs OBFT-1. The other end of the 1/8-inch ID vinyl tubing connects to a brass pressure port on the micro-manometer. The second brass pressure port on the micro-manometer is left open to the air inside Freshtown Marketplace.

### JUNE 2006 - SUB-SLAB VAPOR AND INDOOR AIR QUALITY MONITORING

On June 1, 2006, Conrad Geoscience collected a sub-slab vapor sample from Freshtown Marketplace, Absolute Pizza, Soccer Empire, Lagrange Pharmacy, State Farm Insurance, Dollar



Store, and Subway (Figure 2). Prior to sample collection, we purged each sampling port by attaching a peristaltic sampling pump to the threaded coupling and evacuating the vapors into two 1-liter Tedlar® bags. The contents of each Tedlar® bag were screened with a photoionization detector (PID) and 4-gas meter: Percent oxygen (% O<sub>2</sub>), percent of lower explosive limit (% LEL), carbon monoxide (CO), and hydrogen sulfide (H<sub>2</sub>S).

After purging, Conrad Geoscience collected sub-slab vapor samples by connecting each sampling port to a flow controller with dedicated Teflon® tubing. The flow controller is then connected to the 1-liter summa canister and sample collection begins. The flow controller is set to collect a 1-liter sample over a 24-hour period.

Simultaneous ambient indoor air samples were collected at each sub-slab sample location using identical summa canisters. Two ambient indoor air samples were collected in Freshtown. One at the location of Sub-Slab Sample Location SVFT-1 (IAFT-1) and one at the location of Sub-Slab Sample Location SVFT-5 (IAFT-2) (Figure 2).

A simultaneous ambient outdoor air sample was collected using a summa canister collected from the vicinity of Monitoring Well MW-3, approximately 100 feet south of the Bank of New York (Sample OA-5) (Figure 2).

On June 2, 2006, at the end of the 24-hour sampling period, summa canisters were shipped via overnight delivery to Paradigm Environmental Services in Rochester, New York, a NYSDOH-certified laboratory. Samples were analyzed for tetrachloroethene (PCE); trichloroethene (TCE); cis-1,2-dichloroethene; and vinyl chloride via USEPA Method TO-15.

Sample numbers are as follows:

<b>Location</b>	Sub-Slab Vapor	Indoor Air	Outdoor Air
Freshtown	SVFT-1 through SVFT-5	IAFT-1 & IAFT-2	
	<u> </u>		
Absolute Pizza	SVAP-1	IAAP-1	
Soccer Empire	SVSE-1	IASE-1	
Lagrange Pharmacy	SVLP-1	IALP-1	
State Farm	SVSF-1	IASF-1	
Dollar Store	SVDS-1	IADS-1	
Subway	SVSW-1	IASW-1	
Vicinity of MW-3			OA-5



### JULY 2006 – VENTING OF GREASE TRAP PIPING BACKFILL

Because the backfill of the grease trap piping represented a conduit for vapor intrusion, Conrad Geoscience utilized the existing sub-slab venting fan at Absolute Pizza to intercept vapors from the grease trap piping backfill.

On July 21, 2006 to determine the exact location of the grease trap piping, a trench was excavated along the rear wall of Absolute Pizza, beginning at the sub-slab venting fan. The trench was approximately 2 feet wide and 23 feet long and ranged in depth from 3 to 4 feet. The grease trap piping was encountered approximately 22 feet east of the Absolute Pizza sub-slab venting fan (Figure 3). The grease trap pipe consists of a 4-inch cast iron pipe that was approximately 6-inches to 1-foot deep. Also encountered in the excavation, in the same location as the grease trap pipe, was a 4-inch clay pipe that was approximately 2.5 to 3 feet deep. This clay pipe is apparently the sewer discharge pipe for the Gartland Liquor Store (Figure 3).

After excavation and exposure of the piping, 4-inch PVC pipe was connected to the Absolute Pizza sub-slab venting fan and laid in the base of the excavation. The 4-inch venting pipe terminated at the grease trap pipe and the sewer discharge pipe.

Once the vent pipe was installed, one cubic yard of ¾-inch washed stone was emplaced around the vent pipe, grease trap pipe and sewer discharge pipe. When the backfill was in place, the remainder of the excavation was backfilled to grade with native soil.

When backfilling was complete, the sub-slab venting system was restarted.

### AUGUST 2006 – SUB-SLAB VAPOR AND INDOOR AIR QUALITY MONITORING

On August 7, 2006, Conrad Geoscience collected a sub-slab vapor sample from Absolute Pizza to monitor the effectiveness of venting the grease trap piping backfill. Prior to sample collection, we purged the sampling port by attaching a peristaltic sampling pump to the threaded coupling and evacuating the vapors into two 1-liter Tedlar® bags. The contents of each Tedlar® bag were screened with a photoionization detector (PID) and 4-gas meter: Percent oxygen (% O<sub>2</sub>), percent of lower explosive limit (% LEL), carbon monoxide (CO), and hydrogen sulfide (H<sub>2</sub>S).

After purging, Conrad Geoscience collected the sub-slab vapor sample by connecting the sampling port to a flow controller with dedicated Teflon® tubing. The flow controller is then connected to the 1-liter summa canister and sample collection begins. The flow controller is set to collect a 1-liter sample over a 24-hour period.



A simultaneous ambient indoor air sample was collected using an identical summa canister. A simultaneous ambient outdoor air sample was collected using a summa canister collected from the vicinity of Monitoring Well MW-3, approximately 100 feet south of the Bank of New York (Sample OA-6) (Figure 2).

On August 8, 2006, at the end of the 24-hour sampling period, summa canisters were shipped via overnight delivery to Paradigm Environmental Services in Rochester, New York, a NYSDOH-certified laboratory. Samples were analyzed for tetrachloroethene (PCE); trichloroethene (TCE); cis-1,2-dichloroethene; and vinyl chloride via USEPA Method TO-15.

Sample numbers are as follows:

IAAP-	OA-5
	I IAAP-

### **RESULTS**

### February and March 2006 - Sub-Slab Depressurization System Effectiveness Monitoring

Readings collected from the Infiltec DM1 Digital Micro-Manometer are summarized in Table 1.

### Absolute Pizza

The U-tube manometer located near SPAP-1 indicates that a vacuum is being drawn by the fan. Measurements collected from SVAP-1 and OBAP-1 indicates a negative pressure beneath the slab.

### Freshtown Marketplace

The U-tube manometer located near SPFT-1 indicates that a vacuum is being drawn by the fan. Measurements collected from SVFT-1, SVFT-4 and OBFT-1 indicates a negative pressure beneath the slab. Measurements collected from SVFT-2 and SVFT-3 indicates a positive pressure beneath the slab.



### June 2006 - Sub-Slab Vapor and Indoor Air Quality Monitoring

Sample results are summarized in Table 2. Copies of laboratory reports are attached.

Sub-slab sample SVFT-1 contained PCE ( $48.2~\mu g/m^3$ ); and TCE ( $4.14~\mu g/m^3$ ). Sub-slab sample SVFT-2 contained PCE ( $10.7~\mu g/m^3$ ); and TCE ( $2.84~\mu g/m^3$ ). Sub-slab sample SVFT-3 contained PCE ( $47.6~\mu g/m^3$ ); and TCE ( $7.07~\mu g/m^3$ ). Sub-slab sample SVFT-4 contained PCE ( $386~\mu g/m^3$ ). Sub-slab sample SVFT-5 contained PCE ( $354~\mu g/m^3$ ); and TCE ( $12.2~\mu g/m^3$ ). Neither cis-1,2-dichloroethene nor vinyl chloride were detected in any Freshtown Marketplace sub-slab vapor sample.

Sub-slab sample SVAP-1 contained PCE (119,000  $\mu g/m^3$ ); TCE (3,550  $\mu g/m^3$ ); and cis-1,2-dichloroethene (269  $\mu g/m^3$ ). Vinyl chloride was not detected in the Absolute Pizza sub-slab vapor sample.

Sub-slab sample SVSE-1 contained PCE (64.8  $\mu$ g/m³); and TCE (8.67  $\mu$ g/m³). Neither cis-1,2-dichloroethene nor vinyl chloride were detected in the Soccer Empire sub-slab vapor sample.

Sub-slab sample SVLP-1 contained PCE (235  $\mu$ g/m³); and TCE (17.0  $\mu$ g/m³). Neither cis-1,2-dichloroethene nor vinyl chloride were detected in the Lagrange Pharmacy sub-slab vapor sample.

Sub-slab sample SVSF-1 contained TCE (12.5 μg/m³). Neither PCE, cis-1,2-dichloroethene nor vinyl chloride were detected in the State Farm sub-slab vapor sample.

Sub-slab sample SVDS-1 contained PCE (3.82  $\mu g/m^3$ ); and TCE (9.15  $\mu g/m^3$ ). Neither cis-1,2-dichloroethene nor vinyl chloride were detected in the Dollar Store sub-slab vapor sample.

Sub-slab sample SVSW-1 contained TCE (5.15  $\mu$ g/m³). Neither PCE, cis-1,2-dichloroethene nor vinyl chloride were detected in the Subway sub-slab vapor sample.

Indoor air sample IAFT-1 contained PCE (3.47  $\mu$ g/m³); and TCE (0.267  $\mu$ g/m³). Indoor air sample IAFT-2 contained PCE (3.47  $\mu$ g/m³); and TCE (0.276  $\mu$ g/m³). Neither vinyl chloride nor cis-1,2-dichloroethene were detected in either Freshtown Marketplace indoor air sample.

Indoor air sample IAAP-1 contained PCE (57.1  $\mu$ g/m³); and TCE (1.38  $\mu$ g/m³). Neither cis-1,2-dichloroethene nor vinyl chloride were detected in the Absolute Pizza indoor air sample.



Indoor air sample IASE-1 contained PCE (1.23  $\mu$ g/m³); and TCE (0.248  $\mu$ g/m³). Neither cis-1,2-dichloroethene nor vinyl chloride were detected in the Soccer Empire indoor air sample.

Indoor air sample IALP-1 contained PCE (1.18  $\mu$ g/m³); and TCE (0.261  $\mu$ g/m³). Neither cis-1,2-dichloroethene nor vinyl chloride were detected in the Lagrange Pharmacy indoor air sample.

Indoor air sample IASF-1 contained PCE (6.77  $\mu$ g/m<sup>3</sup>). Neither TCE, cis-1,2-dichloroethene nor vinyl chloride were detected in the State Farm indoor air sample.

Indoor air sample IADS-1 contained PCE (0.420  $\mu$ g/m³); TCE (1.41  $\mu$ g/m³); and cis-1,2-dichloroethene (4.87  $\mu$ g/m³). Vinyl chloride was not detected in the Dollar Store indoor air sample.

Indoor air sample IASW-1 contained PCE (1.53  $\mu$ g/m³). Neither TCE, cis-1,2-dichloroethene nor vinyl chloride were detected in the Subway indoor air sample.

Outdoor air sample (OA-5) contained PCE (530  $\mu g/m^3$ ); and TCE (12.4  $\mu g/m^3$ ). cis-1,2-dichloroethene and vinyl chloride were not detected.

### August 2006 - Sub-Slab Vapor and Indoor Air Quality Monitoring

Sample results are summarized in Table 2. Copies of laboratory reports are attached.

Sub-slab sample SVAP-1 contained PCE (20,800  $\mu$ g/m³); TCE (643  $\mu$ g/m³); and cis-1,2-dichloroethene (34.5  $\mu$ g/m³). Vinyl chloride was not detected.

Indoor air sample IAAP-1 contained PCE (44.7 µg/m³). Neither TCE, cis-1,2-dichloroethene, nor vinyl chloride were detected.

Outdoor air sample (OA-6) contained PCE (1.77  $\mu$ g/m<sup>3</sup>). TCE, cis-1,2-dichloroethene and vinyl chloride were not detected.

### **DISCUSSION**

After installing the sub-slab depressurization systems in Freshtown and Absolute Pizza in February 2006, system effectiveness monitoring revealed a smaller radius of influence than desired. However, analytical results from the June 2006 vapor intrusion monitoring event indicate a decrease in PCE and TCE of at least an order of magnitude in several locations,



including Freshtown, where concentrations had decreased to an "on-going monitoring" status.

After eliminating the Absolute Pizza grease trap piping as a vapor pathway, analytical results from the August 2006 sampling event indicate an order of magnitude decrease in sub-slab PCE and TCE compared to June 2006 results.

Sub-slab vapor concentrations of PCE decreased from 307,000  $\mu g/m^3$  to 20,800  $\mu g/m^3$ , and TCE from 8,990  $\mu g/m^3$  to 643  $\mu g/m^3$  at Absolute Pizza between January and August 2006. Because the sub-slab vapor concentrations of may PCE and TCE still require mitigation, additional diagnostic testing will be conducted and sub-slab venting fans will be replaced, as recently discussed.

Sincerely,

CONRAD GEOSCIENCE CORP.

Brani P. Hoodwn

Brian P. Goodwin

Geologist

BPG/seg

attachments

cc:

D. Engel

J. Klein

M. Millspaugh

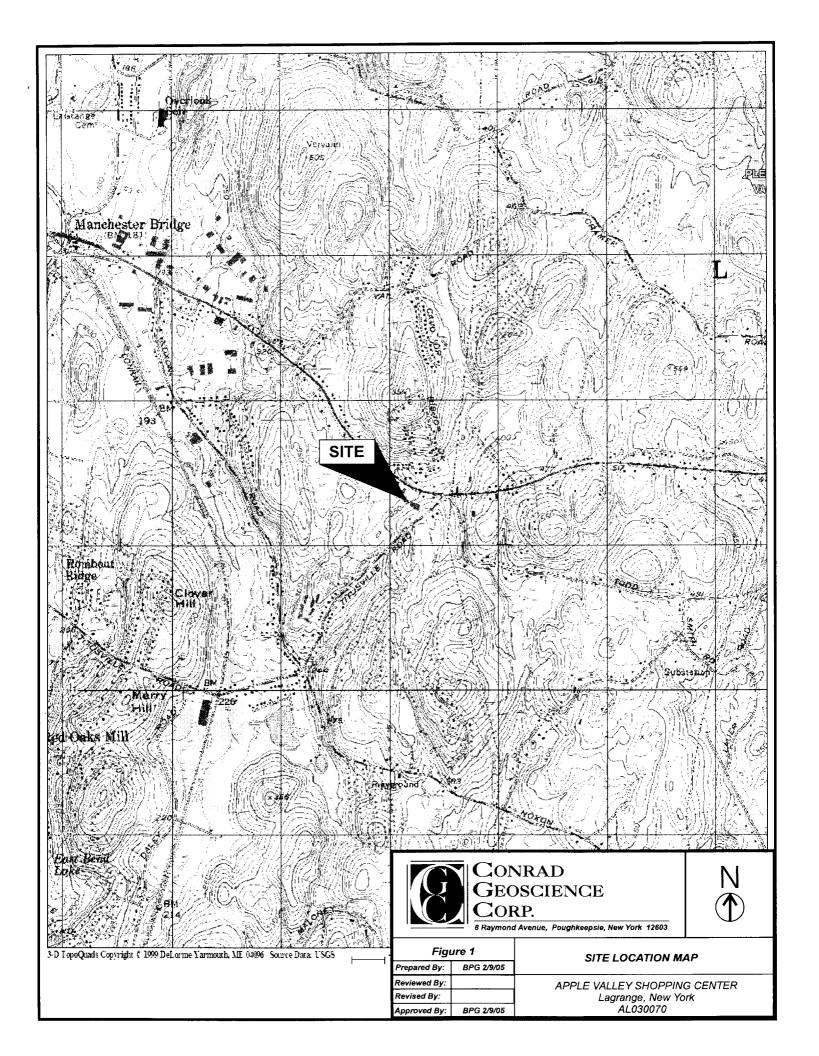
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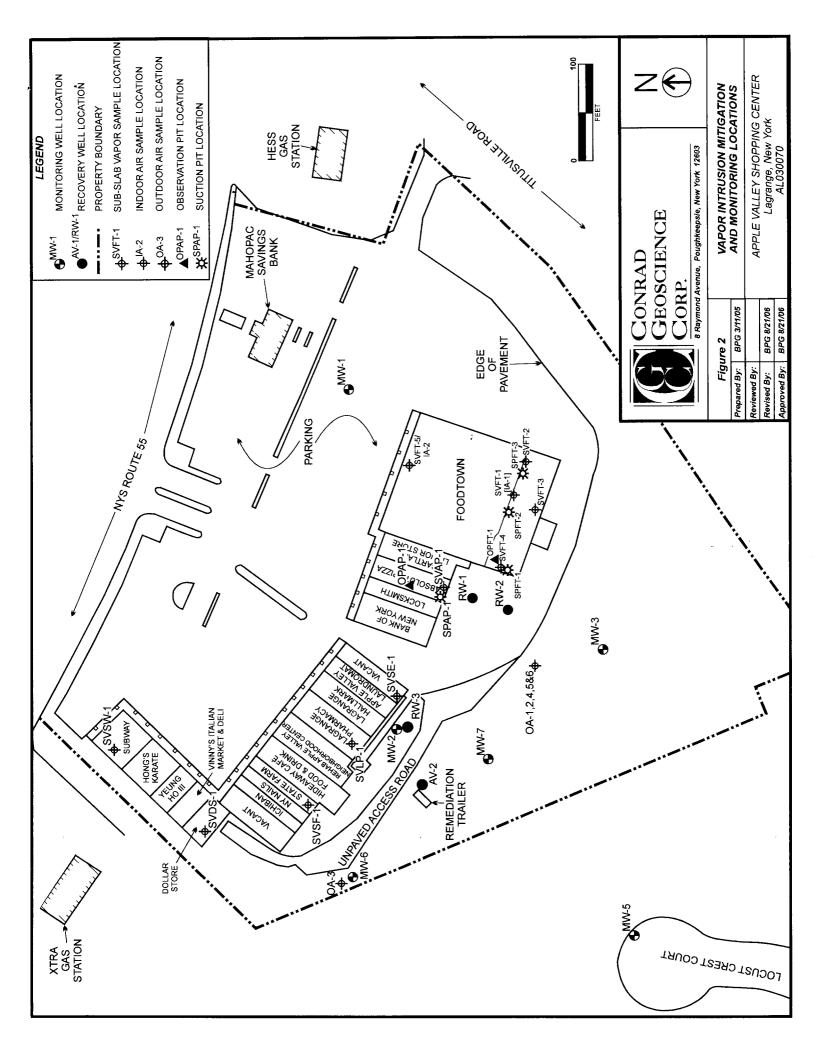
F. Navratil

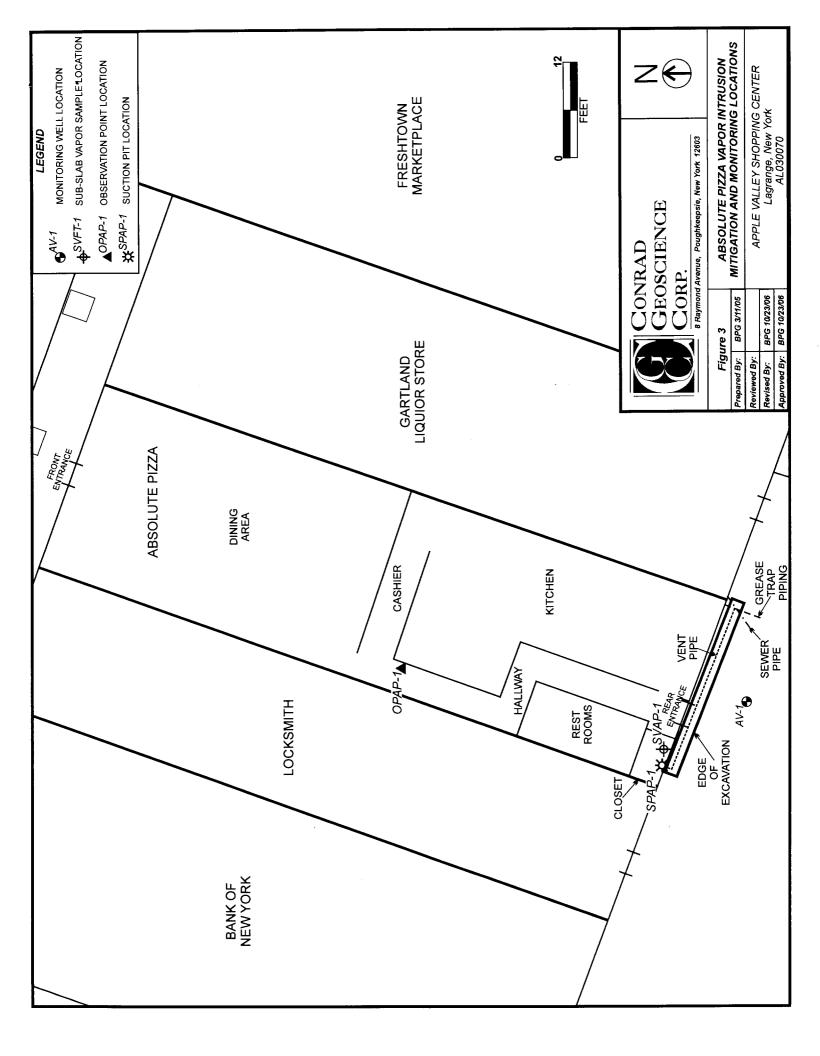
B. Dixon

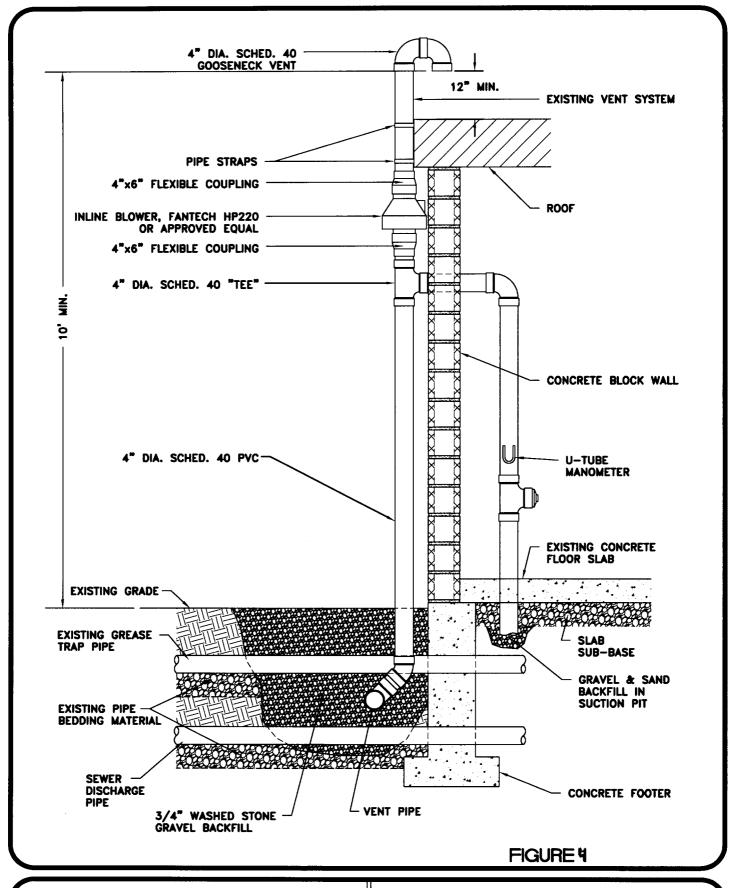
D. MacDougal











## SERLING

Sterling Environmental Engineering, P.C.

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GREASE TRAP VENTING DETAIL
AS-BUILT

APPLE VALLEY SHOPPING CENTER

TOWN OF LAGRANGE

DUTCHESS COUNTY, N.Y.

PROJ. No.: 23008 DATE: 10-13-06 SCALE: NOT TO SCALE DWG. NO. 23008007 FIGURE 4

Table 1. Differential Pressure Readings from Sub-Slab Depressurization Systems; collected February 22 and March 1, 2006; Apple Valley Shopping Center, Lagrange, New York
Conrad Geoscience File #AL030070

Sub-Slab Depressurization	Monitoring Location	Inches of Water Column		Pascals	
System Location	(Distance in Feet to Nearest Suction Pit)	2-22-06	3-1-06	2-22-06	3-1-06
	SVAP-1 (2 feet from SPAP-1)	-0.028	-0.036	-6.9	-8.9
Absolute Pizza	OBAP-1 (41 feet from SPAP-1)	-0.000	-0.001	-0.0	-0.2
	U-Tube Manometer (0 feet from SPAP-1)	2.5	2.5	N/A	N/A
	SVFT-1 (17 feet from SPFT-2)	-0.005	-0.004	-1.2	-1.1
	SVFT-2 (11 feet from SPFT-3)	0.001	0.002	0.2	0.7
Foodtown	SVFT-3 (28 feet from SPFT-2)	NS	0.000	NS	0.1
	SVFT-4 (6 feet from SPFT-1)	-0.018	-0.018	-4.0	-4.0
	OBFT-1 (21 feet from SPFT-1)	-0.001	-0.000	-0.2	-0.1
	U-Tube Manometer (0 feet from SPFT-1)	1.75	1.75	N/A	N/A

Notes: NS = Not Sampled; N/A = Not Applicable.

1 Table 2.

Volatile Organic Compounds (VOCs) in Sub-Slab Vapor, Ambient Indoor Air, and Ambient Outdoor Air Samples; USEPA TO-15; collected January 2005 through August 2006; Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070

Sample Identification Dates Sampled		Dates		Cons	stituent	
		Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	
Volatile Org	anic Compo	unds				
		1-26-05	2,500	13	ND < 0.82	ND < 0.82
	SVFT-1	4-29-05	1,400	17	ND < 1.2	ND < 1.2
		6-1-06	48.2	4.14	ND < 7.46	ND < 4.82
	SVFT-2	4-29-05	8.7	ND < 0.71	ND < 0.71	ND < 0.71
	3VF1-2	6-1-06	10.7	2.84	ND < 1.11	ND < 0.715
	SVFT-3	4-29-05	86	3.8	ND < 0.70	ND < 0.70
Foodtown	3471-3	6-1-06	47.6	7.07	ND < 7.46	ND < 4.82
1 oodlowii	SVFT-4	4-29-05	7,200	210	260	ND < 14
	3771-4	6-1-06	386	ND < 0.771	ND < 14.3	ND < 9.23
	SVFT-5	6-1-06	354	12.2	ND < 7.46	ND < 4.82
	IAFT-1	1-26-05	9.7	ND < 0.97	ND < 0.97	ND < 0.97
		4-29-05	8.6	ND < 0.74	ND < 0.74	ND < 0.74
		6-1-06	3.47	0.267	ND < 0.393	ND < 0.254
	IAFT-2	6-1-06	3.47	0.276	ND < 0.393	ND < 0.254

Notes: All units are ug/m³ unless otherwise noted;
SV prefix represents sub-slab vapor samples;
Boldface and italic type indicates need for ongoing monitoring or other action, as per attached matrix.

IA prefix represents ambient indoor air samples;
OA prefix represents ambient outdoor air samples;
E = Exceeds calibration range;

Table 2 cont'd.

Volatile Organic Compounds (VOCs) in Sub-Slab Vapor, Ambient Indoor Air, and Ambient Outdoor Air Samples; USEPA TO-15; collected January 2005 through August 2006; Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070

Sample Identification Dates Sampled			Constituent				
		Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride		
Volatile Org	anic Compoi	unds					
		1-26-05	160	3.6	ND < 0.79	ND < 0.79	
	SVAP-1	1-17-06	307,000E	8,990E	277	ND < 1.27	
	SVAP-1	6-1-06	119,000E	3,550E	269	ND < 5.07	
Absolute		8-7-06	20,800E	643E	34.5	ND < 7.25	
Pizza		1-26-05	26	ND < 0.84	ND < 0.84	ND < 0.84	
	1000	1-17-06	584E	7.39	ND < 1.96	ND < 1.27	
IAAP-1	IAAP-1	6-1-06	57.1	1.38	ND < 2.49	ND < 1.61	
		8-7-06	44.7	ND < 4.05	ND < 11.2	ND < 7.25	
SVSE-1	ever 4	1-26-05	14	ND < 0.64	ND < 0.64	ND < 0.64	
	3V3E-1	6-1-06	64.8	8.67	ND < 7.85	ND < 5.07	
Empire	IACE 4	1-26-05	ND < 0.69	ND < 0.69	ND < 0.69	ND < 0.69	
	IASE-1	6-1-06	1.23	0.248	ND < 0.392	ND < 0.253	
-		1-26-05	220	10	ND < 0.85	ND < 0.85	
	SVLP-1	1-17-06	166	42.1	4.67	ND < 1.27	
Lagrange Pharmacy		6-1-06	235	17.0	ND < 7.85	ND < 5.07	
		1-26-05	1.5	ND < 1.5	ND < 1.5	ND < 1.5	
	IALP-1	1-17-06	172	4.62	ND < 1.96	ND < 1.27	
		6-1-06	1.18	0.261	ND < 0.392	ND < 0.253	

Notes: All units are ug/m³ unless otherwise noted;
SV prefix represents sub-slab vapor samples;
Boldface and italic type indicates need for ongoing monitoring or other action, as per attached matrix.
IA prefix represents ambient indoor air samples;
OA prefix represents ambient outdoor air samples;
E = Exceeds calibration range;



Table 2 cont'd.

Volatile Organic Compounds (VOCs) in Sub-Slab Vapor, Ambient Indoor Air, and Ambient Outdoor Air Samples; USEPA TO-15; collected January 2005 through August 2006; Apple Valley Shopping Center, Lagrange, New York; Conrad Geoscience File #AL030070

		Dates	Constituent			
Sample Ide	Sample Identification Sampled		Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride
Volatile Or	ganic Compou	inds				
	SVSF-1	11-29-05	ND < 3.35	ND < 2.66	ND < 1.96	ND < 1.27
State	5V3F-1	6-1-06	ND < 13.4	12.5	ND < 7.85	ND < 5.07
Farm		11-29-05	ND < 3.35	ND < 2.66	ND < 1.96	ND < 1.27
	IASF-1	6-1-06	6.77	ND < 0.0212	ND < 0.392	ND < 0.253
	0,400.4	11-29-05	ND < 3.35	ND < 2.66	ND < 1.96	ND < 1.27
Dollar	SVDS-1	6-1-06	3.82	9.15	ND < 1.45	ND < 0.938
Store	1450.4	11-29-05	ND < 3.35	ND < 2.66	ND < 1.96	ND < 1.27
IADS-1	IAUS-1	6-1-06	0.420	1.41	4.87	ND < 0.254
	0) (0) 4 4	11-29-05	3.94	ND < 2.66	ND < 1.96	ND < 1.27
Cuburgu	SVSW-1	6-1-06	ND < 12.7	5.15	ND < 7.46	ND < 4.82
Subway	LA CVA/ 4	11-29-05	ND < 3.35	ND < 2.66	ND < 1.96	ND < 1.27
	IASW-1	6-1-06	1.53	ND < 0.221	ND < 0.408	ND < 0.264
	OA-1	1-26-05	ND < 0.69	ND < 0.69	ND < 0.69	ND < 0.69
	OA-2	4-29-05	ND < 0.72	ND < 0.72	ND < 0.72	ND < 0.72
OA-3	11-29-05	ND < 3.35	ND < 2.66	ND < 1.96	ND < 1.27	
Air	OA-4	1-17-06	10.5	ND < 2.66	ND < 1.96	ND < 1.27
	OA-5	6-1-06	530	12.4	ND < 7.85	ND < 5.07
	OA-6	8-7-06	1.77	ND < 0.242	ND < 0.671	ND < 0.434

All units are ug/m³ unless otherwise noted;
SV prefix represents sub-slab vapor samples;
Boldface and italic type indicates need for ongoing monitoring or other action, as per attached matrix.
IA prefix represents ambient indoor air samples;
OA prefix represents ambient outdoor air samples;
E = Exceeds calibration range;





Client: Conrad Geoscience

**Client Job Site:** Apple Valley Shopping Center

Lab Project Number: 06-1656 Lab Sample Number: 5747 Lagrange, NY

AL030070 Client Job Number:

Field Location:

SVSW-1

Date Sampled:

06/01/2006

Field ID Number:

N/A

**Date Received:** 

06/05/2006

Sample Type:

Air

Date Analyzed:

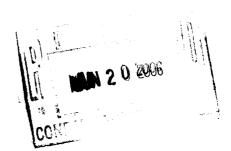
06/13/2006

Halocarbons	PPBv ug / m3
cis-1,2-Dichloroethene	ND< 1.90 ND< 7.46
Tetrachloroethene	ND< 1.90 ND< 12.7
Trichloroethene	0.968 5.15
Vinyl Chloride	ND< 1.90 ND< 4.82

ELAP Number 10958

Method: EPA TO-15

Data File: A1855.d



Comments: ND denotes Non Detect PPBv = Parts per Billion volume ug / m3 - Microgram per cubic meter.

Signature:



Client: Conrad Geoscience

**Client Job Site:** 

Apple Valley Shopping Center

Lab Project Number: 06-1656 Lab Sample Number: 5748

Lagrange, NY AL030070 Client Job Number:

Field Location:

Date Sampled: IASW-1

06/01/2006

Field ID Number:

**Date Received:** 

N/A

06/05/2006

Sample Type:

Air

Date Analyzed:

06/06/2006

Halocarbons	PPBv ug/m3
cis-1,2-Dichloroethene	ND< 0.104 ND< 0.408
Tetrachloroethene	0.228 1.53
Trichloroethene	ND< 0.0415 ND< 0.221
Vinyl Chloride	ND< 0.104 ND< 0.264

ELAP Number 10958

Method: EPA TO-15

Data File: A1798.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume

ug / m3 - Microgram per

Signature:



Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656 Lab Sample Number: 5749

Lagrange, NY

Client Job Number:

AL030070

Field Location:

SVSE-1

Date Sampled:

06/01/2006

Field ID Number:

N/A

**Date Received:** 

06/05/2006

Sample Type:

Air

Date Analyzed:

06/06/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	ND< 2.00	ND< 7.85
Tetrachloroethene	9.66	64.8
Trichloroethene	1.63	8.67
Vinyl Chloride	ND< 2.00	ND< 5.07

ELAP Number 10958

Method: EPA TO-15

Data File: A1799.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume

ug / m3 - Microgram de cubic meter

Signature:

Bruce Hoogesteger:

Tachnical Director



Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656

Lagrange, NY Client Job Number:

AL030070

Lab Sample Number: 5750

Field Location:

IASE-1

Date Sampled:

06/01/2006

Field ID Number:

N/A

**Date Received:** 

06/05/2006

Sample Type:

Air

Date Analyzed:

06/06/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	ND< 0.0998	ND< 0.392
Tetrachloroethene	0.183	1.23
Trichloroethene	0.0467	0.248
Vinyl Chloride	ND< 0.0998	ND< 0.253

ELAP Number 10958

Method: EPA TO-15

Data File: A1800.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion yolume ug / m3 - Microgram per cubic meter.

Signature:



Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656 Lab Sample Number: 5751

Lagrange, NY

AL030070 Client Job Number: Field Location:

SVSF-1

**Date Sampled:** 

06/01/2006

Field ID Number:

N/A

**Date Received:** 

06/05/2006

Sample Type:

Air

Date Analyzed:

06/13/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	ND< 2.00	ND< 7.85
Tetrachloroethene	ND< 2.00	ND< 13.4
Trichloroethene	2.36	12.5
Vinyl Chloride	ND< 2.00	ND< 5.07

ELAP Number 10958

Method: EPA TO-15

Data File: A1856.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram peryculpic meter.

Signature:



Client: Conrad Geoscience

Apple Valley Shopping Center Client Job Site:

Lab Project Number: 06-1656 Lab Sample Number: 5752 Lagrange, NY

AL030070 Client Job Number:

06/01/2006 Date Sampled: IASF-1 Field Location: 06/05/2006 Date Received: Field ID Number: N/A Date Analyzed: 06/06/2006 Sample Type: Air

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	ND< 0.0998	ND< 0.392
Tetrachloroethene	1.01	6.77
Trichloroethene	ND< 0.00399	ND< 0.0212
Vinyl Chloride	ND< 0.0998	ND< 0.253

Method: EPA TO-15 Data File: A1801.d ELAP Number 10958

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cyllic meter

Signature:



Client: Conrad Geoscience

**Client Job Site:** 

Apple Valley Shopping Center

Lab Sample Number: 5753

Lab Project Number: 06-1656

Lagrange, NY Client Job Number:

AL030070

Date Sampled:

06/01/2006

Field Location: Field ID Number: SVLP-1

**Date Received:** 

N/A

06/05/2006

Sample Type:

Air

Date Analyzed:

06/07/2006

Halocarbons	PPBv	ug / m3
 cis-1,2-Dichloroethene	ND< 2.00	ND< 7.85
Tetrachloroethene	35.0	235
Trichloroethene	3.20	17.0
Vinyl Chloride	ND< 2.00	ND< 5.07

ELAP Number 10958

Method: EPA TO-15

Data File: A1816.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cubic meter.

Signature:



Client: Conrad Geoscience

**Client Job Site:** 

Apple Valley Shopping Center

Lab Project Number: 06-1656

Lagrange, NY

Lab Sample Number: 5754

0.0491

ND< 0.0998

Client Job Number: Field Location:

AL030070 IALP-1

**Date Sampled:** 

06/01/2006

Field ID Number:

N/A

Trichloroethene

Vinyl Chloride

**Date Received:** 

06/05/2006

Sample Type:

Air

Date Analyzed:

06/08/2006

 Halocarbons	PPBv	ug / m3
 cis-1,2-Dichloroethene	ND< 0.0998	ND< 0.392
Tetrachloroethene	0.176	1.18

ELAP Number 10958

Method: EPA TO-15

Data File: A1817.d

0.261

ND< 0.253

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cubic meter.

Signature:

Client: Conrad Geoscience

**Client Job Site:** 

Apple Valley Shopping Center

Lab Project Number: 06-1656

Lab Sample Number: 5755

Client Job Number: Field Location:

AL030070 SVDS-1

Lagrange, NY

Date Sampled:

06/01/2006

Field ID Number:

N/A

**Date Received:** 

06/05/2006

Air Sample Type:

Date Analyzed:

06/13/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	ND< 0.370	ND< 1.45
Tetrachloroethene	0.570	3.82
Trichloroethene	1.72	9.15
Vinyl Chloride	ND< 0.370	ND< 0.938

ELAP Number 10958

Method: EPA TO-15

Data File: A1849.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cubic meter.

Signature:



Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656

Lagrange, NY

Lab Sample Number: 5756

Client Job Number:

AL030070

Date Sampled:

06/01/2006

Field Location: Field ID Number: IADS-1 N/A

Date Received:

06/05/2006

Sample Type:

Air

Date Analyzed:

06/07/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	1.24	4.87
Tetrachloroethene	0.0626	0.420
Trichloroethene	0.266	1.41
Vinyl Chloride	ND< 0.100	ND< 0.254

ELAP Number 10958

Method: EPA TO-15

Data File: A1819.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cutig meter

Signature:

Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656

Lab Sample Number: 5757

Client Job Number:

Lagrange, NY AL030070

Date Sampled:

06/01/2006

Field Location: Field ID Number: SVAP-1

**Date Received:** 

N/A

06/05/2006

Sample Type:

Air

Date Analyzed:

06/12/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	68.4	269
Tetrachloroethene	E 17,800	E 119,000
Trichloroethene	E 668	E 3,550
Vinyl Chloride	ND< 2.00	ND< 5.07

ELAP Number 10958

Method: EPA TO-15

Data File: A1852.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cubig meter.

Signature:



Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656

Lagrange, NY

Lab Sample Number: 5758

AL030070 Client Job Number: IAAP-1

Field Location:

Date Sampled:

06/01/2006

Field ID Number:

**Date Received:** 

06/05/2006

N/A

Sample Type:

Air

Date Analyzed:

06/12/2006

Halocarbons	PPBv ug/m3
cis-1,2-Dichloroethene	ND< 0.635 ND< 2.49
Tetrachloroethene	8.51 57.1
Trichloroethene	0.259 1.38
Vinyl Chloride	ND< 0.635 ND< 1.61

ELAP Number 10958

Method: EPA TO-15

Data File: A1850.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per Aubic meter.

Signature:



Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656

Lagrange, NY

AL030070

Lab Sample Number: 5759

Client Job Number: Field Location:

SVFT-1

Date Sampled:

06/01/2006

Field ID Number:

N/A

**Date Received:** 

06/05/2006

Sample Type: Air Date Analyzed:

06/07/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	ND< 1.90	ND< 7.46
Tetrachloroethene	7.18	48.2
Trichloroethene	0.779	4.14
Vinyl Chloride	ND< 1.90	ND< 4.82

ELAP Number 10958

Method: EPA TO-15

Data File: A1821.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cubic meter

Signature:

Bruce Hoogesteger:



Client: Conrad Geoscience

**Client Job Site:** 

Apple Valley Shopping Center

Lab Project Number: 06-1656

Lagrange, NY

Lab Sample Number: 5760

Client Job Number: Field Location:

AL030070 SVFT-2

Date Sampled:

06/01/2006

Field ID Number:

N/A

**Date Received:** 

06/05/2006

Sample Type:

Air

Date Analyzed:

06/12/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	ND< 0.282	ND< 1.11
Tetrachloroethene	1.59	10.7
Trichloroethene	0.535	2.84
Vinyl Chloride	ND< 0.282	ND< 0.715

ELAP Number 10958

Method: EPA TO-15

Data File: A1851.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cubic/meter.

Signature:

Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656 Lab Sample Number: 5761

Lagrange, NY Client Job Number:

AL030070

Field Location:

SVFT-3

Date Sampled:

06/01/2006

Field ID Number:

N/A

**Date Received:** 

06/05/2006

Sample Type:

Air

Date Analyzed:

06/12/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	ND< 1.90	ND< 7.46
Tetrachloroethene	7.09	47.6
Trichloroethene	1.33	7.07
Vinyl Chloride	ND< 1.90	ND< 4.82

ELAP Number 10958

Method: EPA TO-15

Data File: A1854.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cubic meter.

Signature:



Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656

Client Job Number:

Lagrange, NY AL030070

Lab Sample Number: 5762

Field Location:

SVFT-4

Date Sampled:

06/01/2006

Field ID Number:

N/A

**Date Received:** 

06/05/2006

Sample Type:

Air

Date Analyzed:

06/07/2006

Halocarbons		PPBv	ug / m3
cis-1,2-Dichlor	roethene	ND< 3.64	ND< 14.3
Tetrachloroeth	nene	57.5	386
Trichloroethen	ne	ND< 0.145	ND< 0.771
Vinyl Chloride		ND< 3.64	ND< 9.23

ELAP Number 10958

Method: EPA TO-15

Data File: A1823.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per subje meter.

Signature:

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

### Volatile Analysis Report for Air

Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656 Lab Sample Number: 5763

Lagrange, NY AL030070 Client Job Number:

SVFT-5

Date Sampled:

2.29

ND< 1.90

06/01/2006

Field Location: Field ID Number: Sample Type:

N/A Air

Tetrachloroethene

Trichloroethene Vinyl Chloride

Date Received: Date Analyzed: 06/05/2006 06/07/2006

PPBv ug / m3 Halocarbons ND< 7.46 cis-1,2-Dichloroethene ND< 1.90 52.8 354

ELAP Number 10958

Method: EPA TO-15

Data File: A1824.d

12.2

ND< 4.82

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cubic/meter.

Signature:



Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656

Lab Sample Number: 5764

Lagrange, NY Client Job Number:

AL030070

Date Sampled:

06/01/2006

Field Location: Field ID Number: IAFT-1 N/A

Date Received:

06/05/2006

Sample Type:

Air

Date Analyzed:

06/07/2006

Halocarbons	PPBv ug/m3
cis-1,2-Dichloroethene	ND< 0.100 ND< 0.393
Tetrachloroethene	0.517 3.47
Trichloroethene	0.0502 0.267
Vinyl Chloride	ND< 0.100 ND< 0.254

ELAP Number 10958

Method: EPA TO-15

Data File: A1825.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cubic meter.

Signature:



Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656

Lagrange, NY

Lab Sample Number: 5765

Client Job Number: AL030070

Date Sampled:

Field Location: Field ID Number: IAFT-2 N/A

**Date Received:** 

06/01/2006

06/05/2006

Sample Type:

Air

Date Analyzed:

06/07/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	ND< 0.100	ND< 0.393
Tetrachloroethene	0.518	3.47
Trichloroethene	0.0520	0.276
Vinyl Chloride	ND< 0.100	ND< 0.254

ELAP Number 10958

Method: EPA TO-15

Data File: A1826.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cubic meter.

Signature:



Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656

Lab Sample Number: 5766

Lagrange, NY

Client Job Number: Field Location:

AL030070

Date Sampled:

06/01/2006

Field ID Number:

OA-5 N/A

**Date Received:** 

06/05/2006

Sample Type:

Air

Date Analyzed:

06/12/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	ND< 2.00	ND< 7.85
Tetrachloroethene	79.0	530
Trichloroethene	2.34	12.4
Vinyl Chloride	ND< 2.00	ND< 5.07

ELAP Number 10958

Method: EPA TO-15

Data File: A1853.d

Comments: ND denotes Non Detect PPBv = Parts per Billion volume ug / m3 - Microgram per cubic meter,

Signature:



Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656 Lab Sample Number: Method Blank

Lagrange, NY AL030070 Client Job Number:

Field Location:

N/A

Date Sampled:

N/A

Field ID Number:

N/A

Date Received:

N/A

Sample Type: Air

Date Analyzed:

06/06/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	ND< 0.110	ND< 0.432
Tetrachloroethene	ND< 0.110	ND< 0.738
Trichloroethene	ND< 0.0441	ND< 0.234
Vinyl Chloride	ND< 0.110	ND< 0.279

ELAP Number 10958

Method: EPA TO-15

Data File: A1796.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Micrograny per cubic meter.

Signature:



Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656

Client Job Number:

Lagrange, NY AL030070

Lab Sample Number: Method Blank

Field Location:

N/A

Date Sampled:

N/A

Field ID Number:

N/A

**Date Received:** 

N/A

Sample Type: Air

Date Analyzed:

06/07/2006

Halocarbons		PPBv	ug / m3
cis-1,2-Dichloroet	hene	ND< 0.100	ND< 0.393
Tetrachloroethene	<b>!</b>	ND< 0.100	ND< 0.671
Trichloroethene		ND< 0.0400	ND< 0.213
Vinyl Chloride		ND< 0.100	ND< 0.254

ELAP Number 10958

Method: EPA TO-15

Data File: A1815.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per/cubic meter.

Signature:



Client: Conrad Geoscience

Client Job Site:

Apple Valley Shopping Center

Lab Project Number: 06-1656 Lab Sample Number: Method Blank

Lagrange, NY AL030070 Client Job Number:

Field Location:

N/A

**Date Sampled:** 

N/A N/A

Field ID Number: Sample Type:

N/A Air

**Date Received:** Date Analyzed:

06/12/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	ND< 0.159	ND< 0.624
Tetrachloroethene	ND< 0.159	ND< 1.07
Trichloroethene	ND< 0.0635	ND< 0.338
Vinyl Chloride	ND< 0.159	ND< 0.403

ELAP Number 10958

Method: EPA TO-15

Data File: A1848.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cubic meter.

Signature:

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PARADIGM		CHAIN OF CUSTODY	1018	
	Sois paid	\$	LÁB PROJECT#:	CLIENT PROJECT #:
	Raymon	ADDRESS:	06-1656 H	HU050070
(585) 647-2530 • (800) 724-1997 FAX: (585) 647-3311	7	E: FAX:		STD OTHER
NAME/SITE NAME:	an Goodwin	ATTN: PERGL	2	3 🔀 5
75	, report	PCE, TCE, cis-1, 2-OCE and Viny/C	NINY/Ch/Critic ONOTE # SOIL CACS	+CS
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2 8.58	TASW-		C-1015/R-514	5748
3 9:13	1-3518		C-1021/R-33 Soy	5749
4 9/14	1-35-47.8		C-1011/R-513	575C
5 1137	SV5F-1		8	575
6 9:3%	IASF-1		C-1026 / R-503	5751
7 9,49	5×10 / -			5755
8 9.42	JALP-			5754
9 10:28	5ND5-1		C-1023 / R-SIS	5755
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Temperature:  MA - QUC	ч П	Received @ Lab By	6/5/06/0350m Date/Time	

# PARADIGM

CHAIN OF CUSTODY

8 5 8

SERVICES, INC.	S. INC.	COMPANY	CONTRACTOR COST	COMPANY: SAM	INVOICE TO:	LAB PROJECT #: CLIENT PROJECT #:
179 Lake Avenue		ADDRESS:	& Raymond Ar	ADDRESS:		
Rochester, NY 14608 (585) 647-2530 • (800) 724-1997 EAN: (585) 647-3311	4608 (800) 724-1997	CITY	blu	ZIP: 7603	STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
FAX: (585) 647-3	317	PHON	745H-	858	FAX:	
PROJECT NAME/SITE NAME:	151.000/75	ATTN:	Brian Goodwin	ATTN: Quefe	# 50110705	
(ender	( Listange NI	COMMENTS	Dury report PCE,	TCE, cis-1,2-DCE and	and viny cliceride	
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2	122:11	Ì	IAAP-1		1-2	1006/R-5ZD
ω	12:28		SVFT-1		<u>C</u>	
4	12:04		5-77 NS		1-2	019/16-50
5	15:51		5-1-195		(-)	
6	1),45,		SVFTY		1001-7	01/2-506
7	17:15		SVFT-S		C-1025	25/R-509
8	12:31		& IAFT-1		01-0	-1012/R-507
9	80.21		エチドアーと		C10-	10-27/ R-511
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Client: Conrad Geoscience

**Client Job Site:** 

Apple Valley Shopping Center

Lab Project Number: 06-2380

Lagrange, NY **Client Job Number:** 

AL030070

Lab Sample Number: Method Blank

Field Location:

N/A

Date Sampled:

N/A

Field ID Number:

N/A

**Date Received:** 

N/A

Sample Type: Air

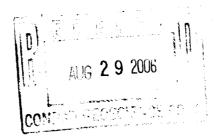
08/17/2006 Date Analyzed:

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	ND< 0.163	ND< 0.640
Tetrachloroethene	ND< 0.163	ND< 1.09
Trichloroethene	ND< 0.0435	ND< 0.231
Vinyl Chloride	ND< 0.163	ND< 0.413

ELAP Number 10958

Method: EPA TO-15

Data File: A1950.d



Comments: ND denotes Non Detect PPBv = Parts per Billion volume ug / m3 - Microgram per cubic meter.

Signature:

Client: Conrad Geoscience

**Client Job Site:** 

Apple Valley Shopping Center

Lab Project Number: 06-2380

Lagrange, NY Client Job Number:

AL030070

Lab Sample Number: 7863

Field Location:

SVAP-1

Date Sampled:

08/07/2006

Field ID Number:

N/A

**Date Received:** 

08/09/2006

Sample Type:

Air

Date Analyzed:

08/17/2006

Halocarbons	PPBv	ug / m3
cis-1,2-Dichloroethene	8.78	34.5
Tetrachloroethene	E 3,100	E 20,800
Trichloroethene	E 121	E 643
Vinyl Chloride	ND< 2.86	ND< 7.25

ELAP Number 10958

Method: EPA TO-15

Data File: A1953.d

Comments: ND denotes Non Detect PPBv = Parts per Billion volume

ug / m3 - Microgram per cubic meter.

Signature:



Client: Conrad Geoscience

**Client Job Site:** 

Apple Valley Shopping Center

Lab Project Number: 06-2380

Lagrange, NY Client Job Number:

AL030070

Lab Sample Number: 7864

Field Location:

IAAP-1

Date Sampled:

08/07/2006

Field ID Number: Sample Type:

N/A Air

**Date Received:** 

08/09/2006

Date Analyzed:

08/17/2006

Halocarbons	PPBv ug/m3
cis-1,2-Dichloroethene	ND< 2.86 ND< 11.2
Tetrachloroethene	6.67 44.7
Trichloroethene	ND< 0.762 ND< 4.05
Vinyl Chloride	ND< 2.86 ND< 7.25

ELAP Number 10958

Method: EPA TO-15

Data File: A1954.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume ug / m3 - Microgram per cubic meter.

Signature:

Client: Conrad Geoscience

**Client Job Site:** 

Apple Valley Shopping Center

Lab Sample Number: 7865

Lab Project Number: 06-2380

Client Job Number:

Lagrange, NY AL030070

Field Location:

OA-6

Date Sampled:

08/07/2006

Field ID Number:

N/A

**Date Received:** 

08/09/2006

Sample Type:

Date Analyzed:

Air

08/17/2006

Halocarbons	PPBv	ug / m3
 cis-1,2-Dichloroethene	ND< 0.171	ND< 0.671
Tetrachloroethene	0.264	1.77
Trichloroethene	ND< 0.0456	ND< 0.242
Vinyl Chloride	ND< 0.171	ND< 0.434

ELAP Number 10958

Method: EPA TO-15

Data File: A1955.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume 

Signature:

## **PARADIGM**

CHAIN
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Sample Condition: Per NELAC/ELAP 210/241/242/243/244  Receipt Parameter NELAC Co Container Type: Y  Comments: Preservation: NA Y  Comments: Holding Time: Y  Comments: Temperature: Y  Comments: Tempera	5 6 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	DATE TIME OF MAN AND M	ENVIRONMENTAL SERVICES, INC.  179 Lake Avenue Rochester, NY 14608 (585) 647-2530 • (800) 724-1997 FAX: (585) 647-3311  PROJECT NAME/SITE NAME: APPIX VALIGY GLOPPING CENTRY LAGRONGE, NY
VELAC Compliance  γ	THIS LINE**	SAMPLE LOCATION/FIELD ID  B  SV4P-1  TAAP-1  TAAP-1	REPORT TO:  REPORT
Sampled By Sampled By Received By Received @ Lab By		X X X X Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	CCICACE COMPANY: S  ADDRESS:  AVE ZIP: 126C3 CITY:  -2655 PHONE:  CC TCC CIS-12-DCI
2. 8-8-06///: 35- Date/Pline 8-8-06//3:00 Date/Time Date/Time		C-1003/ C-1009/	INVOIGE TO:  STATE: ZIP:  FAX:  STED ANALYSIS
35 Total Cost:		R-508	TURNAROUND TIME: (WORKING DAYS)  TURNAROUND TIME: (WORKING DAYS)  TURNAROUND TIME: (WORKING DAYS)  TURNAROUND TIME: (WORKING DAYS)
			CLIENT PROJECT #:  His SOO FT  RKING DAYS)  STD OTHER  3 X 5  0.5