PHASE II Environmental Site Assessment

3901 Route 104
Town of Williamson
Wayne County, New York 14589

Prepared For:

Frank Pitts
C/O Tad Eskild
3923 Route 104
Williamson, New York 14589

Prepared By:

ENVOY
environmental consultants, inc.

February 2012

ENVOY
environmental consultants, inc.

February 23, 2012

Frank Pitts
C.O. Tad Eskild
3923 Route 104
Williamson, NY 14589

Re: Phase II Environmental Site Assessment and Groundwater Delineation
3901 Route 104, Williamson, New York 14589 ("Site")

Dear Mr. Pitts:

Attached is the Phase II Environmental Site Assessment and Groundwater Delineation Report (ie, "Phase II ESA") for the above-referenced location that represents our findings, conclusions and recommendations.

A copy of all information collected, including photographs, analytical data, maps, field logs, notes and historical drawings will be kept on file at the offices of Envoy.

We appreciate the opportunity to have provided environmental services to you relative to the Site. If you have any questions or comments, please feel free to contact our office.

Sincerely,

Envoy Environmental Consultants, Inc.

Amy Thornton, REPA
Environmental Project Manager

57 Ambrose Street • Rochester, New York 14608 • 585.454.1060 • Fax: 585.454.1062

PHASE II
ENVIRONMENTAL SITE ASSESSMENT

3901 Route 104
Town of Williamson
Wayne County, New York 14589

Prepared For:
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C.O. Tad Eskild
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Williamson, NY 14589

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57 Ambrose Street
Rochester, New York 14608

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Figures

Appendices

1. STATEMENT OF QUALIFICATIONS

This Phase II Environmental Site Assessment (ie, "Phase II ESA") was performed and this report was prepared by qualified environmental professionals employed by Envy Environmental Consultants, Inc. (ie, "Envoy"). Statements of Qualifications are attached in Appendix A.

Phase II ESA Performed and Report
Prepared By:

Amy T. Thornton, REPA
Environmental Project Manager

Date: February 23, 2012

2. INTRODUCTION AND PURPOSE

This report summarizes the findings of the Phase II Environmental Site Assessment and Groundwater Delineation (ie, "Phase II ESA") completed on January 18, 2012 and February 3, 2012, relative to the property located at 3901 Route 104, Williamson, New York 14589 (ie, "Site," see Figure 1 and Appendices A through C attached).

This Scope of Work was performed at the request of Mr. Pitts in association with the potential sale of the Site and according to Envoy's Proposals dated January 6, 2012 and February 2, 2012.

The purpose of this Scope of Work was to:

1. Complete a Phase II Environmental Site Assessment ("Phase II ESA") to determine the presence of dry cleaning chemicals and/or hazardous substance impacts to soil and/or groundwater in the parking lot area of the Site where a former dry cleaning facility was located and around the existing Site building.
2. Further define the extent of groundwater contamination of dry cleaning chemicals subsequent to the first Phase II ESA that detected dry cleaning chemicals in the groundwater well (ie, B-5/GW-5) that was installed on January 18, 2012.
3. Prepare a report of findings relative to the Site, including findings, conclusions and recommendations.

Limitations:

This Scope of Work did not include an extensive hydrogeological survey to determine groundwater well elevations or to create a groundwater contour map indicative of the exact direction of groundwater flow. However by reviewing the topographical map for the Site and surrounding areas and the presence of a creek along the west boundary of the site that flows north during the wet season, groundwater was presumed to be flowing north northwest.

Refusal was encountered during the placement of all soil boring from 8' to 11'below ground surface due to the presence of fill materials (eg, concrete from the former building, gravel, etc.) and due to the nature of the subsurface (ie, tight fine grain sand). However, these circumstances did not impede our ability to assess subsurface soil and/or groundwater conditions at the Site.

The findings, conclusions and recommendations presented in this report are based on information gathered and limitations set forth in this report. The accuracy of the findings and conclusions in this report are dependent upon the accuracy of information provided by the Site Owner Representative, agency representatives and subcontracted entities, as well as observations and data gathered at the Site during fieldwork performed or overseen by Envoy.

A change in any fact or circumstance upon which this report is based may substantially affect the findings, conclusions and recommendations presented in this report.

3. SITE DESCRIPTION AND HISTORY

The Site is located at 3901 Route 104, Williamson, New York 14589 (see Figure 1). According to Tax Map, the Site encompasses 1 tax parcel. According to the Site Owner Representative, the Site historically (ie, 1980s) included a small building on the west side of the current structure and was utilized as a dry cleaning business.

4. DESCRIPTION OF FIELD METHODOLOGY

The following sections detail the field methodology used during this Phase II ESA.

4.1 Utility Stakeout

Prior to any subsurface exploration, DDS Companies (ie, the subsurface driller) completed a utility stakeout through contact with Dig Safely New York in order to determine the presence of underground utilities at the Site. Paint and flags (ie, color-code specific) was used to indicate the presence of buried utilities on-Site. The Site Owner was responsible for identifying private utilities on-Site.

Envoy designed the placement of borings around the marked underground water and sewer lines. This did not impede our ability to complete the Scope of Work.

4.2 Soil Borings and Temporary Groundwater Well Installation

DDS Companies was subcontracted to drill soil borings and install temporary groundwater monitoring wells utilizing a Geoprobe System® (ie, "Geoprobe®") direct push unit to advance sampling equipment, with oversight by Envoy. A total of 11 soil borings were drilled to a maximum depth of 11' below ground surface. (see Boring Logs in Appendix B).

The Geoprobe® was used to sample soils continuously in 4' intervals. Soil samples were collected from boring locations using Geoprobe® open tube samplers. The Geoprobe® open tube sampler consists of a 4' long, 2 ¼" outer diameter (ie, "O.D.") steel tube capped with a drive shoe and lined with a clear acetate sleeve. The sampler was attached to 1¼" O.D. drive rod and driven hydraulically into the soil. The sampler was then withdrawn and the clear acetate liner containing the soil sample was removed. Geoprobe® soil sampling tools were decontaminated prior to each use using a detergent wash (ie, alconox solution) with a water rinse. A new acetate liner was inserted into the Geoprobe® for each interval sampled to prevent cross-contamination.

Five (5) temporary groundwater monitoring wells were installed in soil boring GW-1 through GW-5 by placing slotted 1" Schedule 40 PVC to allow groundwater to accumulate.

4.3 Soil and Groundwater Field Screening, Sampling and Analyses

Composite soil samples from soil borings were collected and screened in the field using an REA Systems, Inc. MiniRae 2000 Model Photoionization Detector or PID. The PID was calibrated to 50 ppm utilizing isobutylene as a reference standard. Soil from each boring was screened with the PID at 4' intervals.

Visual observations were made in the field to determine staining of soil and presence of chemical odor. These field techniques were used to supplement PID readings.

Subsurface Boring Logs are attached to this report in Appendix B.

Four (4) soil samples (ie, B-1, B-4, B-4-2, and B-5) and 5 groundwater samples (ie, GW-1 through GW-5) were collected and placed in a cooler containing ice until they were delivered to the Laboratory (ie, Paradigm Environmental Services, Inc., located at 179 Lake Avenue, Rochester, New York 14608) using standard chain of custody procedures. The samples were analyzed for the presence of Volatile Halogens (ie, to identify for the presence of dry cleaning fluids) by United States Environmental Protection Agency (ie, "USEPA") Methods 8260.

Appendix C contains Envoy's analytical data summary analytical data sheets, and chain of custody records.

5. FINDINGS

The following sections detail the findings of this Phase II ESA

5.1 Site Topography and Hydrogeology

The Site area is generally flat. Based upon our review of topographical maps and Envoy's observations at the Site (eg, a runoff creek along the west boundary of the Site that flows north during the wet seasons) the general direction of groundwater flow in the area is to the north northwest.

Soil observed during the placement of borings generally consisted of moist to wet fine grain light to medium brown sands to 11' bgs.

5.1.1 Soil Boring Field Screening Observations, Sampling and Analyses

Soil borings were placed in the north, east and south of the Site building and in the west side of the Site building in the area where the former dry cleaning structure was located. This consisted of borings B-1 through B-5/GW-5 and GW-1 through GW-4.

Soil observed during the placement of these borings generally consisted of:

- **0' to 4' bgs**.: Moist, light to medium brown fine grain sand
- **4' to 8' bgs**.; Moist to wet, medium brown fine grain sand
- **8' to 10' bgs**.; Moist to very wet, medium brown fine grain sand

Refusal was encountered at 8' to 11'below ground surface in all borings due to the dense sandy nature of the subsurface and fill materials at the Site (eg, concrete from the former building, gravel, etc.).

A strong solvent odor was observed and PID readings were detected in soil boring GW-4 on the southwestern portion of the Site near the west side of the Site building. PID readings were 3,925 ppm from 4' to 8' below ground surface and 3,351 ppm from 8' to 10' below ground surface. This was the only boring to exhibit chemical odor and/or PID readings above 0.2 ppm.

Soil was collected from the sample tubes and placed in glass jars provided by the Laboratory and analyzed for volatile halogens by USEPA Method 8260.

Analyses of soil associated with boring GW-4 (ie, identified as soil sample B-4-2,), indicated elevated concentrations of Volatile Halogens (ie, tetrachloroethene, methyl chloride) up to 3 orders of magnitude above NYSDEC TAGM 4046 Limits (see Analytical Data in Appendix C).

Subsurface Boring Logs are located in Appendix B.

5.1.2 Groundwater Field Screening Observations, Sampling and Analyses

Five (5) temporary groundwater monitoring wells were installed in soil borings (ie, GW-1 through GW-5) to allow groundwater to accumulate.

Water level measurements and observations were recorded from each well. Groundwater was encountered at approximately 5.5' to 6' below ground surface. Groundwater was clear to light brown and very sandy.

Approximately 2 to 4 hours from the time of groundwater well installation and development, groundwater was purged using dedicated disposable polyethylene bailers, removing approximately 3 well volumes. The wells were allowed to recharge for up to 30 minutes before sampling.

Groundwater was extracted from groundwater monitoring wells and placed in glass vials provided by the Laboratory containing hydrochloric acid (ie, "HCl") preservative and analyzed for volatile halogens by USEPA Method 8260.

See Figure 1 Boring and Groundwater Well Location Map to see the placement of all borings and wells and the Analytical Data Summary in Appendix C.

Laboratory analyses of all groundwater samples collected indicated an elevated (ie, up to 5 orders of magnitude above) concentration of tetrachloroethene (ie, commonly found in dry cleaning fluids) when compared to NYSDEC Groundwater Quality Standards.

GW-4 (ie, located in the southwest portion of the Site in the parking lot near the Site building) indicated the highest level (ie, 198,000 ppm) when compared to the NYSDEC Groundwater quality Standard of 5 ppm. During field work, GW-4 produced a very strong solvent odor from the groundwater that was bailed and the PID meter indicated a reading of 1,758 ppm when placed at the top of the well.

Laboratory analyses for GW-3 which is located approximately 60' northwest of GW-4 near a runoff creek (ie, which flows north during the wet seasons) indicated the second highest level for tetrachloroethene at 4,900 ppm. The remaining 3 wells GW-1, GW-2 and GW-5 indicated elevated concentrations of tetrachloroethene at 76.4 ppm, 135 ppm and 284 ppm, respectively.

Groundwater well GW-4 also indicated an elevated presence of several other VOC halogen compounds up to 3 orders of magnitude when compared to the NYSDEC Groundwater quality Standard

Groundwater well GW-3 also indicated an elevated presence of several other VOC halogen compounds up to 2 orders of magnitude when compared to NYSDEC Groundwater quality Standard (see Analytical Data in Appendix C).

Given the observations and analytical data described above a spill was called into the NYSDEC Spill Department on February 9, 2012. The Site was given NYSDEC Spill Number 1113024.

The NYSDEC Spill stated "Caller states a limited subsurface investigation was performed at this commercial property; analytical results (forthcoming soon from the lab) detected solvent-related compounds such as tetrachloroethene in soils and groundwater on the site. Copy of lab report and site map to be forwarded to the Department. Site was a former dry cleaner, possibly though the 1980s. No other information available." See Spill Record in Appendix C.

Due to the lack of petroleum compounds reported, the spill was forwarded to the NYSDEC's Region 8 Remediation Unit for follow up and that time the Spill was closed pending further review from NYSDEC Remediation Unit.

6. CONCLUSIONS AND RECOMMENDATIONS

The following sections detail Envoy's conclusions and recommendations as a result of completing this Phase II ESA.

6.1 Site Topography and Hydrogeology

The Site area is generally flat. Based upon our review of topographical maps and Envoy's observations at the Site (eg, a runoff creek along the west boundary of the Site that flows north during the wet seasons) the general direction of groundwater flow in the area is to the north northwest.

Soil observed during the placement of borings generally consisted of moist to wet fine grain light to medium brown sands to 11' bgs.

6.2 Soil Impacts

Eleven (11) soil borings (ie, B-1 through B-5/GW-5 and GW-1 through GW-4) were placed in the north, east and south of the Site building and in the west side of the Site building in the area where the former dry cleaning structure was located.

Soil generally consisted of moist to wet, medium brown fine grain sand. Refusal was encountered at 8' to 11'below ground surface in borings due to the dense sandy nature of the subsurface and fill materials at the Site (eg, concrete from the former building, gravel, etc.).

A strong solvent odor was observed in soil boring GW-4 on the south portion of the Site near the Site building. PID readings were detected in this boring ranging from 3,351 to 3,925 ppm.

Soil was collected and analyzed for volatile halogens.

Analyses of soil associated with boring GW-4 (ie, B-4-2,), indicated elevated concentrations of volatile halogens (ie, tetrachloroethene, methyl chloride) up to 3 orders of magnitude above NYSDEC TAGM 4046 Limits.

6.3 Groundwater Impacts

Five (5) temporary groundwater monitoring wells were installed in soil borings (ie, GW-1 through GW-5).

Groundwater was encountered at approximately 5.5' to 6' below ground surface. Groundwater was clear to light brown and very sandy.

Groundwater was collected and analyzed for volatile halogens.

Laboratory analyses of all groundwater samples collected indicated an elevated concentration of tetrachloroethene in all wells.

GW-4 indicated the highest level (ie, 198,000 ppm) of tetrachloroethene and produced a very strong solvent odor from the groundwater that was bailed and the PID meter reading of 1,758 ppm at the top of the well.

GW-3 indicated the second highest level (ie, 4,900 ppm) of tetrachloroethene. The remaining 3 wells GW-1, GW-2 and GW-5 indicated elevated concentrations of tetrachloroethene at 76.4 ppm, 135 ppm and 284 ppm, respectively.

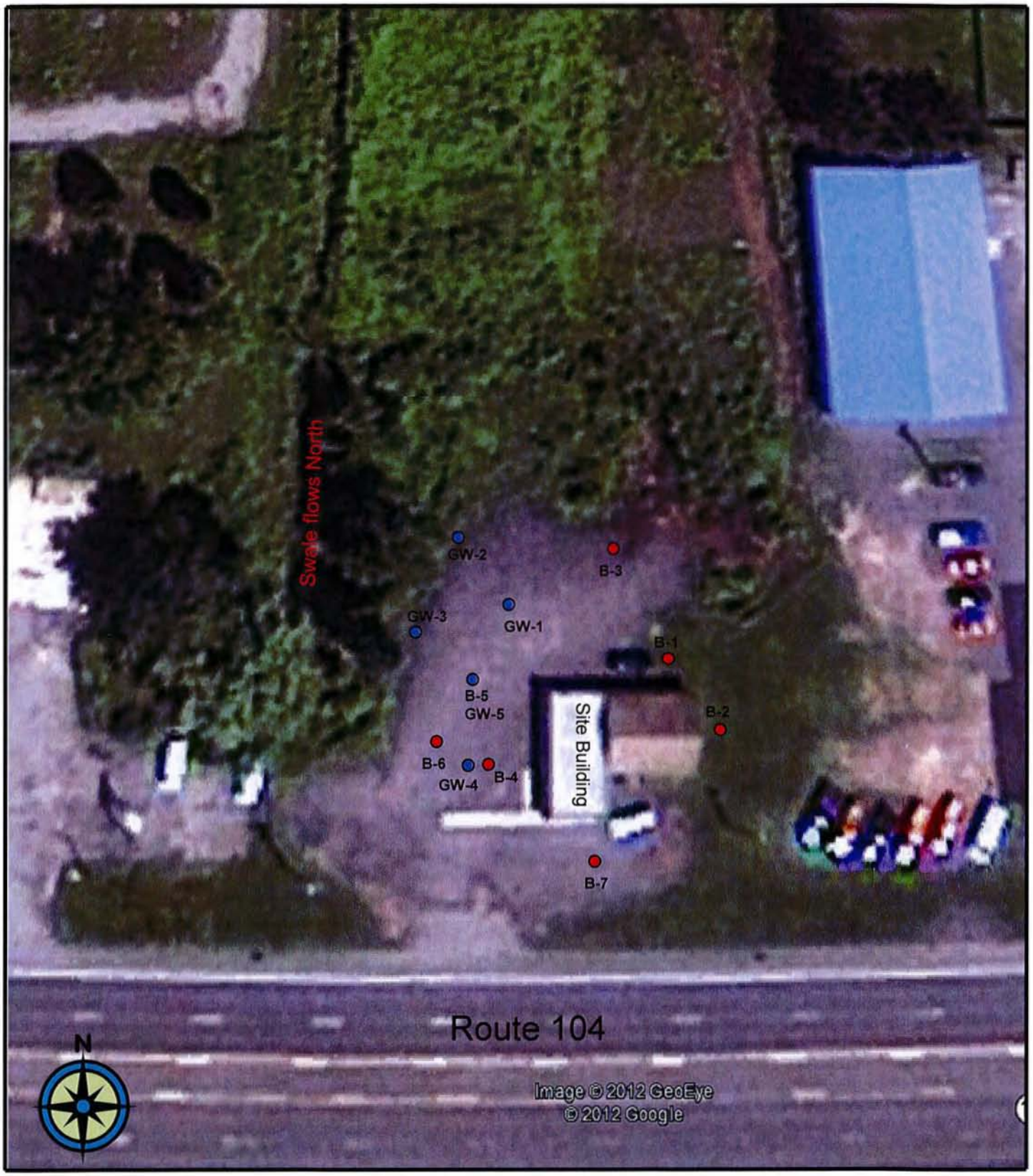
Groundwater well GW-4 and GW-3 also indicated an elevated presence of several other VOC halogen compounds up to 3 and 2 orders of magnitude, respectively, when compared to the NYSDEC Groundwater quality Standard.

A spill was called into the NYSDEC Spill Department on February 9, 2012. The Site was given NYSDEC Spill Number 1113024.

Due to the lack of petroleum compounds reported, the spill was forwarded to the NYSDEC's Region 8 Remediation Unit for follow up and that time the Spill was closed pending further review from NYSDEC Remediation Unit.

As a result of this Phase II ESA, ***Envoy recommends*** that a meeting with NYSDEC be scheduled to discuss further environmental investigation regarding the south and southwest portion of the Site that may be required by the NYSDEC.

Figure 1
Borings and Groundwater Well Location Map



Boring

Groundwater Well

ENVOY

Figure 1

Boring and Groundwater Well Location Map
3901 Route 104
Williamson, New York 14589

Date: January 18, 2012
Scale: None
Drawn by: ATT
Map Source: Google Earth 2012

Appendix A
Statement of Qualifications

Amy T. Thornton, REPA

Overview

Amy joined the Environmental Industry in July 2001 subsequent to employment in the telecom Industry, and work with a national network marketing company that focuses on utility deregulation.

During Amy's career, she has received education and training in sales and marketing, grant proposal writing, environmental compliance, asbestos inspecting (OSHA, AHERA and NESHAPS), State and Federal regulations as it relates to environmental, health and safety, OSHA response, Phase I and II environmental site assessments, environmental remediation, environmental project oversight and management, soil vapor intrusion, etc.

Amy has also been responsible for training and supervising sales and marketing managers, relative to account and contract procurement, and profit and loss analyses.

Environmental Project Manager

Amy specializes in conducting ASTM Phase I and Phase II Environmental Site Assessments, Environmental Delineation, Environmental Remediation and Project Oversight and Management. Amy also maintains her 40-Hour Hazardous Waste Operations and Maintenance ("HAZWOPER") certification in order to work on and delineate Hazardous Waste Sites and/or work with hazardous materials.

Amy has also received Site Investigations and Remediation 16-Hour, Landfill Investigations Monitoring and Controls 8-Hour and Soil Vapor Intrusion Field Investigation 8-Hour Training Certifications.

Registered Environmental Property Assessor (REPA)

Amy was certified as a Registered Environmental Property Assessor ("REPA") by the National Registry of Environmental Professionals ("NREP") in 2006.

Asbestos Surveying

Amy is a certified United States Environmental Protection Agency/New York State Department of Labor ("USEPA/NYSDOL") Asbestos Inspector and responsible for performing OSHA and AHERA asbestos inspections, management plan development and implementation, and awareness training program development and implementation.

Asbestos Management Planner

Amy is a certified USEPA/NYSDOL Asbestos Management Planner and responsible for reviewing the asbestos inspection and determining sampling gaps, ranking hazards and/or material removal priority, abatement cost estimation, developing of Operations and Maintenance Plan and assisting with periodic surveillance, re-inspections and updates.

EHS Compliance

Amy performs regulatory research, and safety-related compliance assessments (eg, emergency evacuation, fire protection, lock-out/tagout, walking and working surfaces, etc.); assists clients with Emergency Planning and Community Right-to-Know analyses and reporting; and developed written EHS procedures and programs and training programs as part of completing risk and compliance assessments, as well as in response to Federal and State enforcement action. Further Amy maintains her OSHA 10-Hour General Industry Certification.

Marketing and Sales

Amy heads various marketing efforts including: researching business opportunities; grant proposal writing; networking with consultants and contractors; proposal management; development and procurement; planning and marketing of events; including client meeting; seminars and training; the development and management of marketing and sales databases and related information.

Client Experience

Amy's technical experience has resulted from working with the following client types:
Landfills; food organization; school districts; city and state municipalities; disposal and recycling facilities; lending institutions; aviation; real estate agencies; aviation maintenance; medical/dental; commercial and industrial processing; manufacturing operations and wastewater treatment plants.

Appendix B
Subsurface Boring and Groundwater Well Logs

Subsurface Boring Log

Client	Frank Pitts	**Boring No.**	**B-1**
Location	3901 Route 104 Williamson, New York 14589	**Drilling Co.**	DDS Companies
Start Date	January 18, 2012	**Driller**	Tom Woelfle
End Date	January 18, 2012	**Drilling Method**	Geoprobe
Geologist	Amy T. Thornton	**Weather**	20° Cloudy

Time	Sample Depth (ft)	PID (ppm)	Rec. (ft/in)	Moisture Level	Description
9:40 am	0-4	0	2	Moist	Light brown sand
9:47 am	4-8	0	2	Wet	Medium brown sand
	8-12				
	12-16				

Additional Information

Refusal was encountered at 8' below ground surface due to very tight sand and fill material (concrete, gravel, etc.)

No chemical staining or odor was observed

Collected a soil sample

Client	Frank Pitts	**Boring No.**	**B-2**
Location	3901 Route 104 Williamson, New York 14589	**Drilling Co.**	DDS Companies
Start Date	January 18, 2012	**Driller**	Tom Woelfle
End Date	January 18, 2012	**Drilling Method**	Geoprobe
Geologist	Amy T. Thornton	**Weather**	20° Cloudy

Time	Sample Depth (ft)	PID (ppm)	Rec. (ft/in)	Moisture Level	Description
10:04 am	0-4	0.2	3	Moist	Light brown sand
10:15 am	4-8	0	3.5	Wet	Medium brown sand
	8-12				
	12-16				

Additional Information

Refusal was encountered at 8' below ground surface due to very tight sand and fill material (concrete, gravel, etc.)

No chemical staining or odor was observed

Subsurface Boring Log

Client	Frank Pitts	**Boring No.**	**B-3**
Location	3901 Route 104 Williamson, New York 14589	**Drilling Co.**	DDS Companies
Start Date	January 18, 2012	**Driller**	Tom Woelfle
End Date	January 18, 2012	**Drilling Method**	Geoprobe
Geologist	Amy T. Thornton	**Weather**	20° Cloudy

Time	Sample Depth (ft)	PID (ppm)	Rec. (ft/in)	Moisture Level	Description
10:41 am	0-4	0	3	Moist	Medium brown sand
10:49 am	4-8	0	2.5	Wet	Medium brown sand
	8-12				
	12-16				

Additional Information

Refusal was encountered at 8' below ground surface due to very tight sand and fill material (concrete, gravel, etc.)

No chemical staining or odor was observed

Client	Frank Pitts	**Boring No.**	**B-4**
Location	3901 Route 104 Williamson, New York 14589	**Drilling Co.**	DDS Companies
Start Date	January 18, 2012	**Driller**	Tom Woelfle
End Date	January 18, 2012	**Drilling Method**	Geoprobe
Geologist	Amy T. Thornton	**Weather**	20° Cloudy

Time	Sample Depth (ft)	PID (ppm)	Rec. (ft/in)	Moisture Level	Description
11:02 am	0-4	0	3	Moist	Medium brown sand
11:07 am	4-8	0	2.5	Wet	Medium brown sand
	8-12				
	12-16				

Additional Information

Refusal was encountered at 8' below ground surface due to very tight sand and fill material (concrete, gravel, etc.)

No chemical staining or odor was observed

Collected a soil sample

Subsurface Boring Log

Client	Frank Pitts	**Boring No.**	**B-5/GW-5**
Location	3901 Route 104 Williamson, New York 14589	**Drilling Co.**	DDS Companies
Start Date	January 18, 2012	**Driller**	Tom Woelfle
End Date	January 18, 2012	**Drilling Method**	Geoprobe
Geologist	Amy T. Thornton	**Weather**	20° Cloudy

Time	Sample Depth (ft)	PID (ppm)	Rec. (ft/in)	Moisture Level	Description
11:23 am	0-4	0	2.5	Moist	Medium brown sand
11:28 am	4-9	0	3.5	Wet	Medium brown sand
	8-12				
	12-16				

Additional Information

Refusal was encountered at 9' below ground surface due to very tight sand and fill material (concrete, gravel, etc.)

No chemical staining or odor was observed

Installed a temporary well and collected a groundwater sample at this well. Groundwater was encountered at 7' below ground surface.

Collected a soil sample

Client	Frank Pitts	**Boring No.**	**B-6**
Location	3901 Route 104 Williamson, New York 14589	**Drilling Co.**	DDS Companies
Start Date	January 18, 2012	**Driller**	Tom Woelfle
End Date	January 18, 2012	**Drilling Method**	Geoprobe
Geologist	Amy T. Thornton	**Weather**	20° Cloudy

Time	Sample Depth (ft)	PID (ppm)	Rec. (ft/in)	Moisture Level	Description
11:58 am	0-4	0	2	Moist	Medium brown sand
12:03 pm	4-8	0	2	Wet	Medium brown sand
	8-12				
	12-16				

Additional Information

Refusal was encountered at 8' below ground surface due to very tight sand and fill material (concrete, gravel, etc.)

No chemical staining or odor was observed

Subsurface Boring Log

Client	Frank Pitts	**Boring No.**	**B-7**
Location	3901 Route 104 Williamson, New York 14589	**Drilling Co.**	DDS Companies
Start Date	January 18, 2012	**Driller**	Tom Woelfle
End Date	January 18, 2012	**Drilling Method**	Geoprobe
Geologist	Amy T. Thornton	**Weather**	20° Cloudy

Time	Sample Depth (ft)	PID (ppm)	Rec. (ft/in)	Moisture Level	Description
12:13 pm	0-4	0	2.5	Moist	Medium brown sand
12:19 pm	4-8	0	3	Wet	Medium brown sand
12:24 pm	8-10	0	2.5	Very Wet	Medium brown sand
	12-16				

Additional Information

Refusal was encountered at 10' below ground surface due to very tight sand and fill material (concrete, gravel, etc.)

No chemical staining or odor was observed

Subsurface Boring Log

Client	Frank Pitts	**Boring No.**	**GW-1**
Location	3901 Route 104 Williamson, New York 14589	**Drilling Co.**	DDS Companies
Start Date	February 3, 2012	**Driller**	Tom Woelfle
End Date	February 3, 2012	**Drilling Method**	Geoprobe
Geologist	Amy T. Thornton	**Weather**	35° Cloudy

Time	Sample Depth (ft)	PID (ppm)	Rec. (ft/in)	Moisture Level	Description
	0-4				
10:50 am	4-8	0	3	Moist to wet	Medium brown fine sand
11:00 am	8-11	0	3.5	Moist to wet	Medium brown fine sand
	12-16				

Additional Information

Refusal at 11' below ground surface
Groundwater well placed at 11' below ground surface.
Groundwater encountered at 6' below ground surface.
Water was light brown and sandy with no odor or apparent sheen.

Client	Frank Pitts	**Boring No.**	**GW-2**
Location	3901 Route 104 Williamson, New York 14589	**Drilling Co.**	DDS Companies
Start Date	February 3, 2012	**Driller**	Tom Woelfle
End Date	February 3, 2012	**Drilling Method**	Geoprobe
Geologist	Amy T. Thornton	**Weather**	35° Cloudy

Time	Sample Depth (ft)	PID (ppm)	Rec. (ft/in)	Moisture Level	Description
	0-4				
9:15 am	4-8	0	3	Moist to wet	4-6 Dark brown fine loamy sand 6-8 Light brown fine loamy sand
9:25 am	8-10	0	3	Moist to wet	Medium brown fine sand
	12-16				

Additional Information

Refusal at 10' below ground surface
Groundwater well placed at 10' below ground surface.
Groundwater encountered at 5.5' below ground surface.
Water was light brown and sandy with no odor or apparent sheen.

Subsurface Boring Log

Client	Frank Pitts	**Boring No.**	**GW-3**
Location	3901 Route 104 Williamson, New York 14589	**Drilling Co.**	DDS Companies
Start Date	February 3, 2012	**Driller**	Tom Woelfle
End Date	February 3, 2012	**Drilling Method**	Geoprobe
Geologist	Amy T. Thornton	**Weather**	35° Cloudy

Time	Sample Depth (ft)	PID (ppm)	Rec. (ft/in)	Moisture Level	Description
	0-4				
9:45 am	4-8	0	3	Moist to wet	Light brown fine sand
9:55 am	8-10	0	3	Moist	Medium brown fine sand
	12-16				

Additional Information

Refusal at 10' below ground surface

Groundwater well placed at 10' below ground surface.

Groundwater encountered at 6' below ground surface.

Water was light brown and sandy with no odor or apparent sheen.

Client	Frank Pitts	**Boring No.**	**GW-4**
Location	3901 Route 104 Williamson, New York 14589	**Drilling Co.**	DDS Companies
Start Date	February 3, 2012	**Driller**	Tom Woelfle
End Date	February 3, 2012	**Drilling Method**	Geoprobe
Geologist	Amy T. Thornton	**Weather**	35° Cloudy

Time	Sample Depth (ft)	PID (ppm)	Rec. (ft/in)	Moisture Level	Description
	0-4				
12:12 pm	4-8	3,925	3	Wet	Medium brown fine sand
12:24 pm	8-10	3,351	3	Wet	Medium brown fine sans
	12-16				

Additional Information

Refusal at 10' below ground surface

Groundwater well placed at 9' below ground surface.

Groundwater encountered at 5' 3" below ground surface.

Water was light brown and sandy with very strong solvent odor in soil and in purged groundwater.

PID reached 293 ppm at top of well case.

Appendix C
Site Records

NYSDEC SPILL REPORT FORM

DEC REGION: 8 **SPILL NUMBER:** 1113024

SPILL NAME: 3901 NY ROUTE 104 **DEC LEAD:** DBDAKE

SPILL DATE: 02/09/2012 **SPILL TIME:** 12:00 pm

CALL RECEIVED DATE: 02/09/2012 **RECEIVED TIME:** 12:00 pm

SPILL LOCATION

PLACE: 3901 NY ROUTE 104 **COUNTY:** Wayne

STREET: 3901 NY ROUTE 104 **TOWN/CITY:** Williamson

COMMUNITY: WILLIAMSON

CONTACT: TAD ESKILD **CONTACT PHONE:** 585 315-9008

CONT. FACTOR: Unknown **SPILL REPORTED BY:** Other

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

Caller states a limited subsurface investigation was performed at this commercial property; analytical results (forthcoming soon from the lab) detected solvent-related compounds such as tetrachloroethene in soils and groundwater on the site. Copy of lab report and site map to be forwarded to the Department. Site was a former dry cleaner, possibly though the 1980s. No other information available.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
TETRACHLOROETHENE	Other			Soil,
TETRACHLOROETHENE	Other			GW,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
frank pitts/owner	3923 ny route 104 williamson NY	tad eskild 585 315-9008

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

2/14/12: DEC RECEIVES COPY OF LAB REPORT, SITE MAP SHOWING 11 DIRECT PUSH SOIL BORING LOCATIONS (FIVE MICROWELLS), AND SUMMARY TABLES. ELEVATED LEVELS OF TETRACHOLORETHENE REPORTED IN SOIL SAMPLE FROM BORING B-5 (NORTHWEST OF BUILDING) AT 7 TO 9-FEET BGS (3,120 MG/KG). TETRACHLOROETHENE REPORTED IN ALL FIVE GROUNDWATER SAMPLES, AT LEVELS RANGING FROM 76.4 UG/L TO 198,000 UG/L (IN GW-4, LOCATED WEST OF BUILDING). INFORMATION SAVED TO eDOCS. DUE TO LACK OF PETROLEUM COMPOUNDS REPORTED, SPILL FILE IS BEING FORWARDED TO REMEDIATION UNIT IN DEC REGION 8 AVON OFFICE FOR FOLLOWUP. NO FURTHER ACTIONS REQUIRED BY SPILLS UNIT AT THIS TIME/SPILL FILE CLOSED.

PIN **T & A** **COST CENTER**

CLASS: B1 **CLOSE DATE:** 02/14/2012 **MEETS STANDARDS:** False

Created On: 02/14/2012

Date Printed: 2/14/2012 Last Updated: 02/14/2012

3901 Route 104, Williamson, New York 14589
Summary of Volatile Organic Compound Analyses - Soil

Constituent	Soil Sample 4-8 Bgs. B-1 1/18/2011	Soil Sample 4-8 Bgs. B-4 1/18/2011	NYSDEC Unrestricted Use Soil Cleanup Objectives NYCRR 375-6.8(a)	NYSDEC Restricted Use Soil Cleanup Objectives Industrial NYCRR 375-6.8(b)	NYSDEC Soil Cleanup Objectives Protective of Groundwater NYCRR 375-6.8(b)
Volatile Organic Compounds	**Concentration (mg/kg or ppm)**				
1,1,1-Trichloroethane	<0.00908	<0.00835	0.68	1,000	0.68
1,1,2-Trichloroethane	<0.00908	<0.00835	NE	NE	NE
1,1,2,2-Tetrachloroethane	<0.00908	<0.00835	NE	NE	0.6
1,1-Dichloroethane	<0.00908	<0.00835	0.27	480	0.27
1,1-Dichloroethene	<0.00908	<0.00835	0.33	1,000	0.33
1,2-Dichloroethane	<0.00908	<0.00835	0.02	60	0.02
cis-1,2-Dichloroehthene	<0.00908	<0.00835	0.25	1,000	0.25
trans- 1,2-Dichloroethene	<0.00908	<0.00835	0.19	1,000	0.19
cis-1,3-Dichloropropene	<0.00908	<0.00835	NE	NE	NE
trans-1,3-Dichloropropene	<0.00908	<0.00835	NE	NE	NE
1,2-Dichloropropane	<0.00908	<0.00835	NE	NE	NE
1,2-Dichlorobenzene	<0.00908	<0.00835	1.1	1,000	1.1
1,3-Dichlorobenzene	<0.00908	<0.00835	2.4	560	2.4
1,4-Dichlorobenzene	<0.00908	<0.00835	1.8	250	1.8
2-Chloroethyl vinyl Ether	<0.0454	<0.0417	NE	NE	NE
Bromodichloromethane	<0.00908	<0.00835	NE	NE	NE
Bromoform	<0.0227	<0.0209	NE	NE	NE
Bromomethane	<0.00908	<0.00835	NE	NE	NE
Carbon Tetrachloride	<0.00908	<0.00835	0.76	44	0.76
Chlorobenzene	<0.00908	<0.00835	1.1	1,000	1.1
Chloroethane	<0.00908	<0.00835	NE	NE	NE
Chloroform	<0.00908	<0.00835	0.37	700	0.37
Chloromethane	<0.00908	<0.00835	NE	NE	NE
Dibromochloromethane	<0.00908	<0.00835	NE	NE	NE
Methylene Chloride	<0.0227	<0.0209	0.05	1,000	0.05
Tetrachloroethene	<0.00908	0.0488	1.3	300	1.3
Trichloroethene	<0.00908	<0.00835	0.47	400	0.47
Trichlorofluoromethane	<0.00908	<0.00835	NE	NE	NE
Vinyl Chloride	<0.00908	<0.00835	0.02	13	0.02

NE=Standard Not Established

3901 Route 104, Williamson, New York 14589
Summary of Volatile Organic Compound Analyses - Soil

Constituent	Soil Sample 4-8 Bgs. B-5 1/18/2011	Soil Sample 7-9 Bgs. B-4-2 2/3/2012	NYSDEC Unrestricted Use Soil Cleanup Objectives NYCRR 375-6.8(a)	NYSDEC Restricted Use Soil Cleanup Objectives Industrial NYCRR 375-6.8(b)	NYSDEC Soil Cleanup Objectives Protective of Groundwater NYCRR 375-6.8(b)
Volatile Organic Compounds	**Concentration (mg/kg or ppm)**				
1,1,1-Trichloroethane	<0.0110	**<47.4**	0.68	1,000	0.68
1,1,2-Trichloroethane	<0.0110	<47.4	NE	NE	NE
1,1,2,2-Tetrachloroethane	<0.0110	**<47.4**	NE	NE	0.6
1,1-Dichloroethane	<0.0110	**<47.4**	0.27	480	0.27
1,1-Dichloroethene	<0.0110	**<47.4**	0.33	1,000	0.33
1,2-Dichloroethane	<0.0110	**<47.4**	0.02	60	0.02
cis-1,2-Dichloroehthene	<0.0110	**<47.4**	0.25	1,000	0.25
cis-1,3-Dichloropropene	<0.0110	<47.4	NE	NE	NE
trans-1,3-Dichloropropene	<0.0110	<47.4	NE	NE	NE
trans- 1,2-Dichloroethene	<0.0110	**<47.4**	0.19	1,000	0.19
1,2-Dichloropropane	<0.0110	<47.4	NE	NE	NE
1,2-Dichlorobenzene	<0.0110	**<47.4**	1.1	1,000	1.1
1,3-Dichlorobenzene	<0.0110	**<47.4**	2.4	560	2.4
1,4-Dichlorobenzene	<0.0110	**<47.4**	1.8	250	1.8
2-Chloroethyl vinyl Ether	<0.0552	<237	NE	NE	NE
Bromodichloromethane	<0.0110	<47.4	NE	NE	NE
Bromoform	<0.0276	<119	NE	NE	NE
Bromomethane	<0.0110	<47.4	NE	NE	NE
Carbon Tetrachloride	<0.0110	**<47.4**	0.76	44	0.76
Chlorobenzene	<0.0110	**<47.4**	1.1	1,000	1.1
Chloroethane	<0.0110	<47.4	NE	NE	NE
Chloroform	<0.0110	**<47.4**	0.37	700	0.37
Chloromethane	<0.0110	<47.4	NE	NE	NE
Dibromochloromethane	<0.0110	<47.4	NE	NE	NE
Methylene Chloride	<0.0276	**<119**	0.05	1,000	0.05
Tetrachloroethene	<0.0110	**3,120**	1.3	300	1.3
Trichloroethene	<0.0110	**<47.4**	0.47	400	0.47
Trichlorofluoromethane	<0.0110	<47.4	NE	NE	NE
Vinyl Chloride	<0.0110	**<47.4**	0.02	13	0.02

NE=Standard Not Established

3901 Route 104, Williamson, New York 14589
Summary of Volatile Organic Compound Analyses – Water

Constituent	Water Sample GW-5 1/18/2011	Water Sample GW-1 2/3/2012	Water Sample GW-2 2/3/2012	Water Sample GW-3 2/3/2012	Water Sample GW-4 2/3/2012	NYSDEC Groundwater Quality Standards 6 NYCRR 703.5
Volatile Organic Compounds	**Concentration (ug/l or ppb)**					
1,1,1-Trichloroethane	<4.00	<2.00	<2.00	**<100**	**<2,000**	5
1,1,2-Trichloroethane	**<4.00**	<2.00	**<2.00**	**<100**	**<2,000**	1
1,1,2,2-Tetrachloroethane	<4.00	<2.00	<2.00	**<100**	**<2,000**	5
1,1-Dichloroethane	<4.00	<2.00	<2.00	**<100**	**<2,000**	5
1,2-Dichloroethane	**<4.00**	<2.00	**<2.00**	**<100**	**<2,000**	0.6
1,1-Dichloroethene	<4.00	<2.00	<2.00	**<100**	**<2,000**	5
cis-1,2-Dichloroethene	**6.32**	<2.00	<2.00	**<100**	**<2,000**	5
trans-1,2-Dichloroethene	<4.00	<2.00	<2.00	**<100**	**<2,000**	5
1,2-Dichloropropane	**<4.00**	<2.00	**<2.00**	**<100**	**<2,000**	1
Cis-1,3-Dichloropropene	**<4.00**	<2.00	**<2.00**	**<100**	**<2,000**	0.4 Sum
Trans-1,3-Dichloropropene	**<4.00**	<2.00	**<2.00**	**<100**	**<2,000**	
1,2-Dichlorobenzene	**<4.00**	<2.00	<2.00	**<100**	**<2,000**	3
1,3-Dichlorobenzene	**<4.00**	<2.00	<2.00	**<100**	**<2,000**	3
1,4-Dichlorobenzene	**<4.00**	<2.00	<2.00	**<100**	**<2,000**	3
2-Chloroethyl vinyl Ether	<20.0	<10.0	<10.0	<500	<10,000	NE
Bromodichloromethane	<4.00	<2.00	<2.00	**<100**	**<2,000**	50
Bromoform	<10.0	<5.00	<5.00	**<250**	**<5,000**	50
Bromomethane	<4.00	<2.00	<2.00	**<100**	**<2,000**	5
Carbon Tetrachloride	<4.00	<2.00	<2.00	**<100**	**<2,000**	5
Chlorobenzene	<4.00	<2.00	<2.00	**<100**	**<2,000**	5
Chloroethane	<4.00	<2.00	<2.00	**<100**	**<2,000**	5
Chloroform	<4.00	<2.00	<2.00	**<100**	**<2,000**	7
Chloromethane	<4.00	<2.00	<2.00	<100	<2,000	NE
Dibromochloromethane	<4.00	<2.00	<2.00	**<100**	**<2,000**	5
Methylene Chloride	**<10.00**	<5.00	<5.00	**<250**	**<5,000**	5
Tetrachloroethene	**284**	**76.4**	**135**	**4,900**	**198,000**	5
Trichloroethene	4.22	<2.00	<2.00	**143**	**<2,000**	5
Trichlorofluoromethane	<4.00	<2.00	<2.00	**<100**	**<2,000**	5
Vinyl Chloride	**<4.00**	<2.00	<2.00	**<100**	**<2,000**	2

NE=Standard Not Established

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Envoy

For Lab Project # 12:0255
Issued January 25, 2012
This report contains a total of 6 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 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Envoy

Client Job Site:	3901 Rt 104 Williamson, NY	**Lab Project Number:**	12:0255
		Lab Sample Number:	12:0255-01
Client Job Number:	E12-035		
Field Location:	B-4	**Date Sampled:**	01/18/2012
Field ID Number:	N/A	**Date Received:**	01/18/2012
Sample Type:	Soil	**Date Analyzed:**	01/19/2012

Compound	Results in ug / Kg	Compound	Results in ug / Kg
Bromodichloromethane	< 8.35	1,1-Dichloroethene	< 8.35
Bromoform	< 20.9	cis-1,2-Dichloroethene	< 8.35
Bromomethane	< 8.35	trans-1,2-Dichloroethene	< 8.35
Carbon Tetrachloride	< 8.35	1,2-Dichloropropane	< 8.35
Chlorobenzene	< 8.35	cis-1,3-Dichloropropene	< 8.35
Chloroethane	< 8.35	trans-1,3-Dichloropropene	< 8.35
2-Chloroethyl vinyl Ether	< 41.7	Methylene chloride	< 20.9
Chloroform	< 8.35	1,1,2,2-Tetrachloroethane	< 8.35
Chloromethane	< 8.35	Tetrachloroethene	48.8
Dibromochloromethane	< 8.35	1,1,1-Trichloroethane	< 8.35
1,2-Dichlorobenzene	< 8.35	1,1,2-Trichloroethane	< 8.35
1,3-Dichlorobenzene	< 8.35	Trichloroethene	< 8.35
1,4-Dichlorobenzene	< 8.35	Trichlorofluoromethane	< 8.35
1,1-Dichloroethane	< 8.35	Vinyl chloride	< 8.35
1,2-Dichloroethane	< 8.35		

ELAP Number 10958 Method: EPA 8260B Data File: V94993.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

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

Volatile Analysis Report for Soils/Solids/Sludges

Client: Envoy

Client Job Site:	3901 Rt 104 Williamson, NY	**Lab Project Number:**	12:0255
		Lab Sample Number:	12:0255-02
Client Job Number:	E12-035		
Field Location:	B-5	**Date Sampled:**	01/18/2012
Field ID Number:	N/A	**Date Received:**	01/18/2012
Sample Type:	Soil	**Date Analyzed:**	01/19/2012

Compound	Results in ug / Kg	Compound	Results in ug / Kg
Bromodichloromethane	< 11.0	1,1-Dichloroethene	< 11.0
Bromoform	< 27.6	cis-1,2-Dichloroethene	< 11.0
Bromomethane	< 11.0	trans-1,2-Dichloroethene	< 11.0
Carbon Tetrachloride	< 11.0	1,2-Dichloropropane	< 11.0
Chlorobenzene	< 11.0	cis-1,3-Dichloropropene	< 11.0
Chloroethane	< 11.0	trans-1,3-Dichloropropene	< 11.0
2-Chloroethyl vinyl Ether	< 55.2	Methylene chloride	< 27.6
Chloroform	< 11.0	1,1,2,2-Tetrachloroethane	< 11.0
Chloromethane	< 11.0	Tetrachloroethene	< 11.0
Dibromochloromethane	< 11.0	1,1,1-Trichloroethane	< 11.0
1,2-Dichlorobenzene	< 11.0	1,1,2-Trichloroethane	< 11.0
1,3-Dichlorobenzene	< 11.0	Trichloroethene	< 11.0
1,4-Dichlorobenzene	< 11.0	Trichlorofluoromethane	< 11.0
1,1-Dichloroethane	< 11.0	Vinyl chloride	< 11.0
1,2-Dichloroethane	< 11.0		

ELAP Number 10958 Method: EPA 8260B Data File: V94994.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

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

Volatile Analysis Report for Non-potable Water

Client: Envoy

Client Job Site:	3901 Rt 104 Williamson, NY	**Lab Project Number:**	12:0255
		Lab Sample Number:	12:0255-03
Client Job Number:	E12-035		
Field Location:	GW-5	**Date Sampled:**	01/18/2012
Field ID Number:	N/A	**Date Received:**	01/18/2012
Sample Type:	Water	**Date Analyzed:**	01/23/2012

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 4.00	1,1-Dichloroethene	< 4.00
Bromoform	< 10.0	cis-1,2-Dichloroethene	6.32
Bromomethane	< 4.00	trans-1,2-Dichloroethene	< 4.00
Carbon Tetrachloride	< 4.00	1,2-Dichloropropane	< 4.00
Chlorobenzene	< 4.00	cis-1,3-Dichloropropene	< 4.00
Chloroethane	< 4.00	trans-1,3-Dichloropropene	< 4.00
2-Chloroethyl vinyl Ether	< 20.0	Methylene chloride	< 10.0
Chloroform	< 4.00	1,1,2,2-Tetrachloroethane	< 4.00
Chloromethane	< 4.00	Tetrachloroethene	284
Dibromochloromethane	< 4.00	1,1,1-Trichloroethane	< 4.00
1,2-Dichlorobenzene	< 4.00	1,1,2-Trichloroethane	< 4.00
1,3-Dichlorobenzene	< 4.00	Trichloroethene	4.22
1,4-Dichlorobenzene	< 4.00	Trichlorofluoromethane	< 4.00
1,1-Dichloroethane	< 4.00	Vinyl chloride	< 4.00
1,2-Dichloroethane	< 4.00		

ELAP Number 10958 Method: EPA 8260B Data File: V95034.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

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

Volatile Analysis Report for Soils/Solids/Sludges

Client: Envoy

Client Job Site:	3901 Rt 104 Williamson, NY	**Lab Project Number:**	12:0255
		Lab Sample Number:	12:0255-04
Client Job Number:	E12-035		
Field Location:	B-1	**Date Sampled:**	01/18/2012
Field ID Number:	N/A	**Date Received:**	01/18/2012
Sample Type:	Soil	**Date Analyzed:**	01/19/2012

Compound	Results in ug / Kg	Compound	Results in ug / Kg
Bromodichloromethane	< 9.08	1,1-Dichloroethene	< 9.08
Bromoform	< 22.7	cis-1,2-Dichloroethene	< 9.08
Bromomethane	< 9.08	trans-1,2-Dichloroethene	< 9.08
Carbon Tetrachloride	< 9.08	1,2-Dichloropropane	< 9.08
Chlorobenzene	< 9.08	cis-1,3-Dichloropropene	< 9.08
Chloroethane	< 9.08	trans-1,3-Dichloropropene	< 9.08
2-Chloroethyl vinyl Ether	< 45.4	Methylene chloride	< 22.7
Chloroform	< 9.08	1,1,2,2-Tetrachloroethane	< 9.08
Chloromethane	< 9.08	Tetrachloroethene	< 9.08
Dibromochloromethane	< 9.08	1,1,1-Trichloroethane	< 9.08
1,2-Dichlorobenzene	< 9.08	1,1,2-Trichloroethane	< 9.08
1,3-Dichlorobenzene	< 9.08	Trichloroethene	< 9.08
1,4-Dichlorobenzene	< 9.08	Trichlorofluoromethane	< 9.08
1,1-Dichloroethane	< 9.08	Vinyl chloride	< 9.08
1,2-Dichloroethane	< 9.08		

ELAP Number 10958 Method: EPA 8260B Data File: V94995.D

Comments: ug / Kg = microgram per Kilogram
Matrix Spike outliers indicate probable matrix interference

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: ENVOY	COMPANY: SAME	LAB PROJECT #: 12:0255 / CLIENT PROJECT #: E12-035
ADDRESS: 57 Ambrose St	ADDRESS:	
CITY: Rochester STATE: NY ZIP: 14608	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS) STD [X] OTHER [ ]
PHONE: 454-1060 FAX:	PHONE: FAX:	
ATTN: Amy Thornton	ATTN:	1 [ ] 2 [ ] 3 [ ] 5 [X]
COMMENTS: athornton@envoyenvironmental.com		QUOTE #:

PROJECT NAME/SITE NAME: 3901 Rt 104 Williamson, NY

REQUESTED ANALYSIS: VOC halogens 8260

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	VOC halogens 8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	1/18/12	11:07	X		B-4	Soil	1	X		01
2	1/18/12	11:28	X		B-5	Soil	1	X		02
3	1/18/12	12:03		X	GW-5	W	2	X		03
4	1/18/12	9:47	X		B-1	Soil	1	X		04
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 [X]	N [ ]
Comments:		
Preservation:	Y [X]	N [ ]
Comments:		
Holding Time:	Y [X]	N [ ]
Comments:		
Temperature:	Y [X]	N [ ]
Comments: 5°C iced per LAH 1/18		

Amy Thornton 1/18/12 11:07 am
Sampled By Date/Time

Amy Thornton 1/18/12 1:45 pm
Relinquished By Date/Time

[illegible] 1/18/12 1345
Received By Date/Time

Elizabeth A Honch 1/18/12 1510
Received @ Lab By Date/Time

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Envoy Environmental

For Lab Project # 12:0459
Issued February 10, 2012
This report contains a total of 7 pages

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

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

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

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.

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

Volatile Analysis Report for Non-potable Water

Client: **Envoy Environmental**

Client Job Site:	3901 Rt 104 Williamson, NY	**Lab Project Number:**	12:0459
		Lab Sample Number:	12:0459-01
Client Job Number:	N/A		
Field Location:	GW 2	**Date Sampled:**	02/03/2012
Field ID Number:	N/A	**Date Received:**	02/03/2012
Sample Type:	Water	**Date Analyzed:**	02/09/2012

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	< 2.00
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	135
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	< 2.00
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	< 2.00
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V95446.D

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

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

Volatile Analysis Report for Non-potable Water

Client: Envoy Environmental

Client Job Site:	3901 Rt 104 Williamson, NY	**Lab Project Number:**	12:0459
		Lab Sample Number:	12:0459-02
Client Job Number:	N/A		
Field Location:	GW 3	**Date Sampled:**	02/03/2012
Field ID Number:	N/A	**Date Received:**	02/03/2012
Sample Type:	Water	**Date Analyzed:**	02/09/2012

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 100	1,1-Dichloroethene	< 100
Bromoform	< 250	cis-1,2-Dichloroethene	< 100
Bromomethane	< 100	trans-1,2-Dichloroethene	< 100
Carbon Tetrachloride	< 100	1,2-Dichloropropane	< 100
Chlorobenzene	< 100	cis-1,3-Dichloropropene	< 100
Chloroethane	< 100	trans-1,3-Dichloropropene	< 100
2-Chloroethyl vinyl Ether	< 500	Methylene chloride	< 250
Chloroform	< 100	1,1,2,2-Tetrachloroethane	< 100
Chloromethane	< 100	Tetrachloroethene	4,900
Dibromochloromethane	< 100	1,1,1-Trichloroethane	< 100
1,2-Dichlorobenzene	< 100	1,1,2-Trichloroethane	< 100
1,3-Dichlorobenzene	< 100	Trichloroethene	143
1,4-Dichlorobenzene	< 100	Trichlorofluoromethane	< 100
1,1-Dichloroethane	< 100	Vinyl chloride	< 100
1,2-Dichloroethane	< 100		

ELAP Number 10958 Method: EPA 8260B Data File: V95447.D

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

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

Volatile Analysis Report for Non-potable Water

Client: Envoy Environmental

Client Job Site:	3901 Rt 104 Williamson, NY	**Lab Project Number:**	12:0459
		Lab Sample Number:	12:0459-03
Client Job Number:	N/A		
Field Location:	GW 1	**Date Sampled:**	02/03/2012
Field ID Number:	N/A	**Date Received:**	02/03/2012
Sample Type:	Water	**Date Analyzed:**	02/09/2012

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	< 2.00
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	76.4
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	< 2.00
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	< 2.00
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V95448.D

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

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

Volatile Analysis Report for Soils/Solids/Sludges

Client: Envoy Environmental

Client Job Site:	3901 Rt 104 Williamson, NY	**Lab Project Number:**	12:0459
		Lab Sample Number:	12:0459-04
Client Job Number:	N/A		
Field Location:	B-4-2	**Date Sampled:**	02/03/2012
Field ID Number:	N/A	**Date Received:**	02/03/2012
Sample Type:	Soil	**Date Analyzed:**	02/10/2012

Compound	Results in ug / Kg	Compound	Results in ug / Kg
Bromodichloromethane	< 47,400	1,1-Dichloroethene	< 47,400
Bromoform	< 119,000	cis-1,2-Dichloroethene	< 47,400
Bromomethane	< 47,400	trans-1,2-Dichloroethene	< 47,400
Carbon Tetrachloride	< 47,400	1,2-Dichloropropane	< 47,400
Chlorobenzene	< 47,400	cis-1,3-Dichloropropene	< 47,400
Chloroethane	< 47,400	trans-1,3-Dichloropropene	< 47,400
2-Chloroethyl vinyl Ether	< 237,000	Methylene chloride	< 119,000
Chloroform	< 47,400	1,1,2,2-Tetrachloroethane	< 47,400
Chloromethane	< 47,400	Tetrachloroethene	3,120,000
Dibromochloromethane	< 47,400	1,1,1-Trichloroethane	< 47,400
1,2-Dichlorobenzene	< 47,400	1,1,2-Trichloroethane	< 47,400
1,3-Dichlorobenzene	< 47,400	Trichloroethene	< 47,400
1,4-Dichlorobenzene	< 47,400	Trichlorofluoromethane	< 47,400
1,1-Dichloroethane	< 47,400	Vinyl chloride	< 47,400
1,2-Dichloroethane	< 47,400		

ELAP Number 10958 Method: EPA 8260B Data File: V95507.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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

Volatile Analysis Report for Non-potable Water

Client: Envoy Environmental

Client Job Site:	3901 Rt 104 Williamson, NY	**Lab Project Number:**	12:0459
		Lab Sample Number:	12:0459-05
Client Job Number:	N/A		
Field Location:	GW-4	**Date Sampled:**	02/03/2012
Field ID Number:	N/A	**Date Received:**	02/03/2012
Sample Type:	Water	**Date Analyzed:**	02/09/2012

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2,000	1,1-Dichloroethene	< 2,000
Bromoform	< 5,000	cis-1,2-Dichloroethene	< 2,000
Bromomethane	< 2,000	trans-1,2-Dichloroethene	< 2,000
Carbon Tetrachloride	< 2,000	1,2-Dichloropropane	< 2,000
Chlorobenzene	< 2,000	cis-1,3-Dichloropropene	< 2,000
Chloroethane	< 2,000	trans-1,3-Dichloropropene	< 2,000
2-Chloroethyl vinyl Ether	< 10,000	Methylene chloride	< 5,000
Chloroform	< 2,000	1,1,2,2-Tetrachloroethane	< 2,000
Chloromethane	< 2,000	Tetrachloroethene	198,000
Dibromochloromethane	< 2,000	1,1,1-Trichloroethane	< 2,000
1,2-Dichlorobenzene	< 2,000	1,1,2-Trichloroethane	< 2,000
1,3-Dichlorobenzene	< 2,000	Trichloroethene	< 2,000
1,4-Dichlorobenzene	< 2,000	Trichlorofluoromethane	< 2,000
1,1-Dichloroethane	< 2,000	Vinyl chloride	< 2,000
1,2-Dichloroethane	< 2,000		

ELAP Number 10958 Method: EPA 8260B Data File: V95452.D

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: Envoy Environmental	COMPANY:	LAB PROJECT #: 12:0459
ADDRESS: 57 Ambrose Street	ADDRESS: — Same —	CLIENT PROJECT #: [redacted]
CITY: Rochester STATE: NY ZIP: 14608	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: 454-1060 FAX:	PHONE: FAX:	STD OTHER
ATTN: Amy Thornton (e-mail)	ATTN:	☐ 1 ☐ 2 ☐ 3 ☒ 5 ☐
COMMENTS:		QUOTE #:

PROJECT NAME/SITE NAME:
3901 Rt 104
Williamson, NY

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8260 Halogens	REMARKS	PARADIGM LAB SAMPLE NUMBER
		10:57 am								
1	2/3/12	[redacted]		X	GW2	W	2	X		01
2	2/3/12	12:00pm		X	GW 3	W	2	X		02
3	2/3/12	12:30pm		X	GW 1	W	2	X		03
4	2/3/12	12:00pm	X		B-4-2	S	1	X		04
5	2/3/12	1:00 pm		X	GW-4	W	2	X		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: Comments:	Y ☒ N ☐
Preservation: Comments:	Y ☒ N ☐
Holding Time: Comments:	Y ☒ N ☐
Temperature: Comments: 10°C	Y ☒ N ☐

Amy Thornton 2/3/12 12:00 pm
Sampled By Date/Time

Amy Thornton 2/3/12 1:46 pm
Relinquished By Date/Time

2/3/12 1346
Received By Date/Time

Nikki Popen 2/3/12 1436
Received @ Lab By Date/Time

Total Cost:

P.I.F.