

**PHASE II ENVIRONMENTAL  
SITE ASSESSMENT**

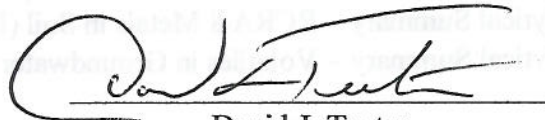
**Former Painted Post Car Mart  
124 Victory Highway (Rte. 415)  
Painted Post, New York 14870**

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**I. AUTHORIZATION**

Factor Environmental Services, Inc. was authorized by the New York State Department of Environmental Conservation (DEC) to perform a Phase II Environmental Site Assessment (ESA) of the property located at 1000 Route 9W, West Nyack, New York 10994-1000. The ESA was performed on February 12, 2003. Further soil and groundwater sampling was performed on February 12, 2003.

**II. OBJECTIVE**

The objective of the ESA was to address those concerns which may affect the property. The objective was documented in the Phase I ESA prepared by Factor Environmental Services, Inc. on May 2, 2002. Items of concern included potential discharge of contaminants to the subsurface through existing and/or abandoned wells, and in an area of former and existing subsurface storage tanks. In addition, two items were observed regarding the property: (1) an abandoned well (AW-1) and (2) a well (W-1) located on the property. The well (W-1) was reported to be a New York State Department of Environmental Conservation (NYS DEC) as an environmental issue which resulted in the removal of the well. The well (W-1) is a "closed" well means remedial action will be required to close the well.

**III. SCOPE OF WORK**

The scope of work was outlined from the proposed work plan dated on field observations and consultation with the Environmental Protection Agency (EPA). Soil borings were conducted throughout the site as opposed to boring primarily on the back field area. Borings were advanced from the dry well and the suggested UST area. Additional samples from the suggested UST area were submitted for laboratory analysis. Additional samples of soil from the borings were submitted to the back of the field area for analysis. The detection of volatile organic compounds (VOCs) by the organic vapor detector (OVD) was observed in two of the dry wells. After discussion with the DEC, it was determined that the water should be contained within the well and not be released for potential groundwater contamination. Sediment was sampled from the third dry well and analyzed for volatile and semi-volatile organic compounds and the RSCA 3 metals. The Toxicity Characteristic Leaching Procedure (TCLP) was not required for the metals analysis and analysis for asbestos and lead was not performed.

The following summarizes the tasks performed in the response to the DEC:

- Advanced one (1) soil boring to depths ranging from 5 to 15 feet below ground surface using a "hydraulic" direct push soil sampling rig.



## **I. AUTHORIZATION**

Teeter Environmental Services, Inc. was authorized by Mr. Tim Birnie representing T & K Realty LLC, Manlius, New York to perform a Phase II Environmental Site Assessment (ESA) of the property designated as former Painted Post Car Mart located at 124 Victory Highway (Route 415), Painted Post, New York. The ESA was performed on February 16, 2006 (surface soil and dry well sampling) and February 20, 2006 (soil borings).

## **II. OBJECTIVE**

The objective of the ESA was to address items of concern which may affect soil and groundwater as documented in the Phase I ESA completed by RickBates.net, Elmira, New York in July 2005. Items of concern included potential discharge of contaminants to the subsurface through septic/leach field system, three dry wells (parking lot drains), a floor drain which outfalls at an adjacent creek, and in an area of observed surface soil staining beneath an abandoned vehicle. In addition, two vent lines were observed suggesting that at least one underground storage tank (UST) was or is located on the property. The stained soil was reportable to the New York State Department of Environmental Conservation (NYSDEC) as an environmental release which resulted in the assignment of Spill #0470187. The file is currently "open" which means remedial action will be required to attain closure.

## **III. SCOPE OF WORK**

The scope of work was amended from the proposed work plan based on field observations and consultation with the Environmental Protection Agency (EPA). Soil borings were completed throughout the site as opposed to focusing primarily on the leach field area. Borings were advanced near the dry wells and the suspected UST area. One soil sample from the suspected UST area was submitted for laboratory analysis. Additional analysis of soil from the borings was considered unnecessary due to lack of observed contamination and detection of volatile organic compounds (VOC's) by the organic vapor meter (OVM). Water was observed in two of the three dry wells. After discussion with Ms. Rebecca Jamison of EPA Region 2, New York City, New York, it was determined that the water should be considered waste water and be analyzed for purgeable hydrocarbons by EPA Method 624. Sediment was sampled from the third dry well and analyzed for volatile and semi-volatile hydrocarbons and the RCRA 8 metals. The Toxicity Characteristic Leaching Procedure (TCLP) was not required for the metals analysis and analysis for pesticides and herbicides was not performed.

The following summarizes the tasks performed to complete the ESA:

- Advanced nine (9) soil borings to depths ranging from 8 to 12 feet below ground surface using a Geoprobe® direct-push soil sampling rig.



- Obtained soil samples at continuous four (4) foot intervals, observed each for evidence of petroleum or solvent impact, characterized lithologically, screened for volatile organic compounds (VOC's) using an organic vapor meter (OVM), and containerized for potential laboratory analysis.
- Submitted one (1) soil sample from the suspected UST area for analysis for volatile hydrocarbons by EPA Method 5035/8260B and semivolatile hydrocarbons by EPA Method 8270C, NYSDEC STARS list (abbreviated list of compounds which targets common hydrocarbons in fuel oil).
- Submitted three (3) groundwater samples for laboratory analysis for volatile hydrocarbons by EPA Method 5035/8260B and semivolatile hydrocarbons by EPA Method 8270C, NYSDEC STARS list (abbreviated list of target compounds). One of the samples was analyzed for the NYSDEC STARS list for volatile hydrocarbons (abbreviated list of compounds which targets common hydrocarbons in gasoline).
- Submitted one (1) soil sample from beneath an abandoned vehicle which exhibited suspected petroleum staining for analysis for volatile hydrocarbons by EPA Method 8260B, NYSDEC STARS list and semi-volatile hydrocarbons by EPA Method 8270C, NYSDEC STARS list.
- Submitted water samples from two (2) of the dry wells for purgeable hydrocarbons by EPA Method 624 per EPA recommendation.
- Submitted one (1) sediment sample from the third dry well for analysis for volatile hydrocarbons by EPA Method 8260C, semi-volatile hydrocarbons by EPA Method 8270C (base/neutrals), and the Resource Conservation and Recovery Act (RCRA) 8 metals by EPA Method 6000/7000 series per EPA recommendation.
- Inspected the outfall of the floor drain cited in the Phase I ESA for evidence of contaminant release.
- Prepared the following report of the findings.

#### **IV. SITE DESCRIPTION**

The site was formerly occupied by Painted Post Car Mart which was a recreational vehicle sales and service operation. The site is rectangular in dimension with an approximate frontage length of 365 feet and a depth of 590 feet. The site has been vacated for several years, however remnants of the operation including used tires, vehicles, barrels and drums, and a waste oil storage tank remain on-site. One single story building is located on-site and was used as a show room and service center. Several hydraulic lifts are located in the building. The areas to the east, west, and south of the building are paved with asphalt. The area to the north is compacted sand and gravel. Three dry wells (parking lot drains) are located on-site. A ditch, which is indicated as a stream on topographic maps, bounds the east property line.



Surrounding properties include Victory Highway Wesleyan Church to the west beyond a vacant parcel owned by the church, Hampton Inn to the east, Sugar Creek (convenience store and Sunoco petroleum retailer) and Friendly's Restaurant to the southeast, vacant parcel to the south, and residences to the southwest. Victory Highway (Route 415) bounds the site to the south.

Refer to Figure 1 in Appendix A for a site map with approximate site dimensions, building location, and locations of the dry wells, Figure 2 for an area map with general site location, and Figure 3 for an aerial view of the site and surrounding properties. Additional site description is included in the Phase I ESA report submitted by RickBates.net dated July 12, 2005.

## **V. METHODS OF INVESTIGATION**

### **A. Soil and Sediment Sampling and Analysis**

Chambers Environmental Group, Inc., Bellefonte, Pennsylvania was contracted to perform the borings under supervision of David Teeter of Teeter Environmental. The soil borings were completed using a Geoprobe® Model 540UD direct-push soil probing rig. The borings were completed as close to the floor drain as possible given site conditions. Soil samples were obtained by advancing a two-inch diameter, 48-inch long hollow steel sampling tube with an acetate liner attached to steel drive rods. The sampler was advanced its entire length (0 to 4 feet), retrieved from the borehole, and the acetate liner containing the soil core was removed. Another sampling tube was then inserted into the open boring, advanced to the bottom of the borehole, and driven from 4 to 8 feet. Samples were obtained in this fashion to a depths ranging from 8 to 12 feet.

A surface soil exhibiting suspected petroleum staining was taken from beneath an abandoned vehicle (flat bed truck) using a shovel. A sediment sample was obtained from dry well #3 (Figure 1) using a stainless steel core sampler.

All soil samples were observed for petroleum or solvent impact (sheen, discoloration, odor, etc.) and characterized lithologically. Composite samples from each boring interval, the surface sample, and the sediment sample were placed in airtight containers to allow any organic vapors to accumulate in the headspace. The headspace was then screened for volatile organic compounds (VOC's), expressed in parts per million (ppm), using a ThermoEnvironmental Model 580B organic vapor meter (OVM).

One soil sample from an approximate depth of six (6) feet from boring B5 in the suspected UST area and the surface soil sample from beneath the flat bed truck was submitted to Eastern Laboratories, Ltd., S. Waverly, PA for analysis for the full target list of volatile hydrocarbons by EPA Method 5035/8260B and the NYSDEC STARS list of semi-volatile hydrocarbons by EPA Method 8270C.



The EPA Method 5035 fraction of the volatiles analysis is a field preservation process. Five (5) gram aliquots of sample were measured on-site and placed in three preweighed (3) 40-milliliter vials, one containing methanol solution, and two containing sodium bisulfate solution. The methanol preserved sample is analyzed if the anticipated concentration exceeds 200 micrograms per liter ( $\mu\text{g/l}$ ). Additional soil was contained in 8-ounce jars with Teflon-lined caps for percent solids analysis.

Dry well #3 was clogged with sediment and debris to a depth of approximately three (3) feet. A sample of the sediment was analyzed for the full target list of volatile hydrocarbons by EPA Method 5035/8260B, the NYSDEC STARS list of semi-volatile hydrocarbons by EPA Method 8270C, and the RCRA 8 metals commonly associated with waste oil.

### **B. Groundwater and Dry Well Sampling and Analysis**

Groundwater was obtained from temporary small diameter PVC wells installed in boreholes B3 (near the fuel tanks of the adjacent Sugar Creek/Sunoco), B5 (suspected UST), and B7 (leach field). Samples were collected by inserting 3/8-inch tubing connected to a Grundfos low flow pump. Groundwater was pumped out of the wells for a short period of time to reduce turbidity. Samples were then containerized in 40-milliliter zero-headspace vials preserved with hydrochloric acid and one liter amber bottles and packed in an ice-filled cooler. The samples were submitted to Eastern Laboratories, Ltd., S. Waverly, PA for analysis for the full target list of volatile hydrocarbons by EPA Method 8260B (40-milliliter vials) and semi-volatile hydrocarbons (amber bottles) by EPA Method 8270C, NYSDEC STARS list. Because potential petroleum impact was the only concern for the sample from B3, the NYSDEC STARS list for volatile hydrocarbons was analyzed for.

Grab samples from water in dry wells #1 and #2 (Figure 1) were collected using a polystyrene Teflon-coated dipper. The samples were contained in 40-milliliter vials preserved with hydrochloric acid and submitted for analysis for purgeable hydrocarbons by EPA Method 624.

## **VI. RESULTS**

### **A. General Hydrogeology**

The site lies within the Cohocton River valley at an approximate elevation of 960 feet above mean sea level. Being in a river valley, the topography in the immediate vicinity of the site is relatively flat. The Cohocton River is located approximately 780 south of the south property line and flows to the east. Based on characterization of soil samples from the nine borings completed, native surficial geology generally consists of medium dense to dense brown or greenish gray silt to a depth of approximately 5 feet underlain by silty rounded to subrounded sand and gravel. Depth of the silt horizon was deeper than 5 feet in some samples.



The soils likely represent alluvial (river, stream) deposits based on the roundness of the coarse fractions. The silt layer may represent a lagoonal or lacustrine (lake) environment or the inside of a bend in a river or stream.

Depth to groundwater as evidenced by the moisture content of most soil samples was approximately 6 feet below ground surface. Monitoring well installation was not included in the scope of work for this project, therefore, direction of groundwater flow could not be determined. Direction of groundwater flow in unconsolidated deposits almost always flows toward a major moving body of water, in this case the Cohocton River to the south.

Bedrock was not encountered during the ESA to the maximum boring depth of 12 feet. Bedrock in the immediate area of the site likely consists of the Gardeau Formation of shales and siltstones of the West Falls Group deposited in the Upper Devonian Period approximately 360 million years ago. Bedrock outcrops approximately 1,000 feet north of the site.

Refer to Appendix B for subsurface logs containing lithologic characterization for each soil sample interval and Figure 4 in Appendix A for a topographic map of the vicinity.

## B. Soil and Sediment Quality

### 1. Soil Borings

There was no evidence of petroleum or solvent impact such as odor, sheen, discoloration, free product, or elevated VOC's based on field screening with an OVM with the exception of an approximate layer from 6 to 6.4 feet in boring B5. Although no VOC's or odors were detected, the soil in this horizon was a dark bluish gray suggesting petroleum or solvent impact. Soil sampling intervals, OVM readings, and general observations are summarized in Table 1.

Table 1

### Field Data

February 20, 2006

| Boring ID | Sampling Interval (feet) | OVM Reading (ppm) | Observations       |
|-----------|--------------------------|-------------------|--------------------|
| B1        | 0-4                      | 0                 | No observed impact |
|           | 4-8                      | 0                 | No observed impact |
|           | 8-12                     | 0                 | No observed impact |
| B2        | 0-4                      | 0                 | No observed impact |
|           | 4-8                      | 0                 | No observed impact |
|           | 8-12                     | 0                 | No observed impact |

Table 1 (cont'd)

Field Data

February 20, 2006

| Boring ID | Sampling Interval (feet) | OVM Reading (ppm) | Observations                      |
|-----------|--------------------------|-------------------|-----------------------------------|
| B3        | 0-4                      | 0                 | No observed impact                |
|           | 4-8                      | 0                 | No observed impact                |
| B4        | 0-4                      | 0                 | No observed impact                |
|           | 4-8                      | 0                 | No observed impact                |
|           | 8-12                     | 0                 | No observed impact                |
| B5        | 0-4                      | 0                 | No observed impact                |
|           | 4-8                      | 0                 | Discoloration from ~6 to 6.4 feet |
| B6        | 0-4                      | 0                 | No observed impact                |
|           | 4-8                      | 0                 | No observed impact                |
| B7        | 0-4                      | 0                 | No observed impact                |
|           | 4-8                      | 0                 | No observed impact                |
| B8        | 0-4                      | 0                 | No observed impact                |
|           | 4-8                      | 0                 | No observed impact                |
|           | 8-12                     | 0                 | No observed impact                |
| B9        | 0-4                      | 0                 | No observed impact                |
|           | 4-8                      | 0                 | No observed impact                |
|           | 8-12                     | 0                 | No observed impact                |

A sample of the discolored soil from B5 was submitted for laboratory analysis for volatile and semi-volatile hydrocarbons. The full target compound list for volatile hydrocarbons (EPA Method 8260B) was analyzed for because the contents of the suspected UST were unknown. The full list target compound list includes halogenated hydrocarbons found in many solvents and degreasers. 17.6 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ) of the halogenated hydrocarbon 1,2-dichlorobenzene was detected. The NYSDEC recommended cleanup objective per Technical and Administrative Guidance Memorandum #4046 (TAGM 4046) issued in January 1994 is 7,900  $\mu\text{g}/\text{kg}$ . No other volatile hydrocarbons were detected. The sample was also analyzed for common semi-volatile hydrocarbons. No semi-volatile hydrocarbons were detected. The detection limit for all compounds analyzed is below the cleanup guidance value.

A copy of the laboratory report which includes target compounds, results, and detection limits is included in Appendix C.

## 2. Dry Well #3

Because there was no water in dry well #3 (Figure 1), a sediment sample was submitted for laboratory analysis for volatile and semi-volatile hydrocarbons and the RCRA 8 metals per consultation with the EPA as indicated in Section III.



No volatile hydrocarbons were detected above the detection limit of 8.50 µg/kg which is below the NYSDEC cleanup guidance value for any compound. NYSDEC cleanup guidelines are based on or are more stringent than EPA guidelines.

Five (5) semi-volatile hydrocarbons, common to heavy petroleum products such as fuel oil, were detected as summarized in Table 2. Benzo(b)fluoranthene and chrysene concentrations were above the NYSDEC cleanup guidance values.

A copy of the laboratory report which includes target compounds, results, and detection limits is included in Appendix C.

Table 2

**Laboratory Analytical Summary  
Semi-Volatile Hydrocarbons in Soil (Sediment)  
by EPA Method 8270C (base/neutrals) (µg/kg)  
(detected compounds only)**

February 16, 2006

| Compound               | Dry Well #3   | NYSDEC Cleanup Guideline |
|------------------------|---------------|--------------------------|
| Benzo (b) fluoranthene | <b>11,400</b> | 1,000                    |
| Chrysene               | <b>11,900</b> | 400                      |
| Fluoranthene           | 27,200        | 50,000                   |
| Phenanthrene           | 12,100        | 50,000                   |
| Pyrene                 | 17,800        | 50,000                   |

µg/kg – micrograms per kilogram

**Bold** indicates exceedance of cleanup guideline per TAGM 4046

The RCRA 8 metals were analyzed for per EPA recommendation. The results are summarized in Table 3. 53 milligrams per kilogram (mg/kg) lead was detected and is considered within normal range. “Naturally occurring” lead concentrations vary widely based on the site setting (rural versus industrial, etc.) and generally range from 4 to 500 mg/kg. Selenium was detected at a concentration of 14 mg/kg. The NYSDEC cleanup guideline is 2 mg/kg or site background. No other metals were detected. It should be noted that the detection limit for cadmium was 10 mg/kg. The NYSDEC cleanup guidance value is 1 mg/kg or site background. It is possible that cadmium exists at a concentration between 1 mg/kg and 10 mg/kg.

A copy of the laboratory report which includes target compounds, results, and detection limits is included in Appendix C.

Table 3



**Laboratory Analytical Summary  
 RCRA 8 Metals in Soil (Sediment)  
 by EPA Method 6010B/7470A (mg/kg)**

February 16, 2006

| Analyte  | Dry Well #3 | Eastern U.S.<br>Background | Rec. Soil<br>Cleanup Objective |
|----------|-------------|----------------------------|--------------------------------|
| Arsenic  | <5.0        | 3-12*                      | 7.5 or SB                      |
| Barium   | <50         | 15-600                     | 300 or SB                      |
| Cadmium  | <10         | 0.1-1.0                    | 1 or SB                        |
| Chromium | <10         | 1.5-40*                    | 10 or SB                       |
| Lead     | 53**        | **                         | SB**                           |
| Mercury  | <0.20       | 0.001-0.2                  | 0.1                            |
| Selenium | 14          | 0.1-3.9                    | 2 or SB                        |
| Silver   | <10         | N/A                        | SB                             |

mg/kg – milligrams per kilogram

Cleanup objectives based on NYSDEC TAGM 4046

SB – Site Background

\*New York State background level

\*\*Lead concentrations vary widely, typically from 4 to 500 mg/kg (from TAGM 4046)

N/A – value not established

**Bold** indicates exceedence of established background or cleanup concentration

### 3. Flatbed Truck

Suspected oil staining was observed on surface soil beneath an abandoned flatbed truck. A sample was submitted for laboratory analysis for volatile and semi-volatile hydrocarbons by EPA Method 8260B and EPA Method 8270C, respectively. The abbreviated NYSDEC STARS lists which targets common petroleum hydrocarbons were used (13 volatiles and 15 semi-volatiles).

No target volatile hydrocarbons were detected above the detection limit of 12.1 µg/kg. NYSDEC cleanup guidance values for all target compounds are greater than the detection limit. The semi-volatile hydrocarbon pyrene was detected at a concentration of 12,900 µg/kg which was significantly less than the cleanup guidance value of 50,000 µg/kg. Because of matrix interference, the detection limit for remaining target compounds was 10,000 µg/kg. It is possible that some compounds with cleanup guidance values less than 10,000 µg/kg (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene) may be present at concentrations less than the detection limit.

A copy of the laboratory report which includes target compounds, results, and detection limits is included in Appendix C.

### C. Groundwater Quality

## 1. Soil Borings

Groundwater samples were obtained from borings B3 (adjacent to UST's at the neighboring Sunoco), B5 (suspected on-site UST), and B7 (at or near the leach field) and submitted for laboratory analysis for volatile and semi-volatile hydrocarbons by EPA Method 8260B and EPA Method 8270C STARS list, respectively. The NYSDEC STARS list for volatile hydrocarbons was used for the B3 sample. The full 8260B list was used for the remaining two samples because of the possible storage/discharge of halogenated hydrocarbons in those areas.

No target volatile or semi-volatile hydrocarbons were detected in the samples from B3 and B7, however, several volatile hydrocarbons plus the semi-volatile naphthalene were detected in the sample from B5 at concentrations exceeding the applicable regulatory standard as summarized in Table 4.

Table 4

**Laboratory Analytical Summary – Boring B5**  
**Volatile Hydrocarbons in Groundwater**  
by EPA Method 8260B (µg/l) (detected compounds only)

February 20, 2006

| Compound  | Concentration | NYSDEC Standard |
|---|---------------|-----------------|
| <i>Halogenated Hydrocarbons (solvents)</i>      |               |                 |
| 1,2-Dichlorobenzene                             | 22,800        | 5               |
| 1,3-Dichlorobenzene                             | 55.4          | 5               |
| 1,4-Dichlorobenzene                             | 331           | 5               |
| 1,1-Dichloroethane                              | 51.6          | 5               |
| cis-1,2-Dichloroethene                          | 10,100        | 5               |
| Methylene Chloride*                             | 646           | 5               |
| Trichloroethene                                 | 50.7          | 5               |
| <i>Non-Halogenated Hydrocarbons (petroleum)</i> |               |                 |
| Benzene   | 154           | 1               |
| Ethylbenzene                                    | 72.4          | 5               |
| Naphthalene**                                   | 91.5          | 10              |
| Toluene   | 792           | 5               |
| 1,2,4-Trimethylbenzene                          | 108           | 5               |
| Xylenes (total)                                 | 424           | 5               |

µg/l – micrograms per liter

\*Methylene chloride is a common laboratory contaminant

\*\* Naphthalene is a semi-volatile analyzed under the method.



It is apparent from the results that a UST or perhaps a subsurface parts cleaner is or was located near boring B5 and most likely leaked. The halogenated (chlorinated) volatile hydrocarbons are common in solvent-based cleaners and degreasers, while the non-halogenated volatile hydrocarbons detected are found in gasoline. Naphthalene is a semi-volatile hydrocarbon found in gasoline and is analyzed under both EPA Methods 8260B and 8270C. 41.6 micrograms per liter ( $\mu\text{g/l}$ ) naphthalene was detected under the 8270C method. No other semi-volatile hydrocarbons were detected suggesting that heavier petroleum products such as waste oil, heating oil, diesel, or kerosene were not discharged to subsurface. If a metal parts cleaner accounts for the impact, it is possible that gasoline was used as a solvent.

A copy of the laboratory report which includes target compounds, results, and detection limits is included in Appendix C.

## 2. Dry Wells #1 and #2

Water was present in dry wells #1 and #2 and corresponded with observed depth to groundwater of about six (6) feet below ground surface. Samples from the wells were submitted for analysis for volatile and semi-volatile hydrocarbons by EPA Method 624 per EPA recommendation. The method is commonly used for wastewater analysis. No target compounds were detected above the detection limits. The detection limits were at or below regulatory groundwater standards.

## VII. SUMMARY and RECOMMENDATIONS

Teeter Environmental Services Inc. performed a Phase II Environmental Site Assessment of the property located at 124 Victory Highway (Route 415), Painted Post, New York, 14870. The following summarizes the results of the assessment:

- The site is generally rectangular in shape with an approximate frontage of 365 along the north side of Victory Highway and an approximate depth of 590 feet. One single story structure is located on-site. The exterior to the sides and front of the building is paved with asphalt. To the rear of the building is compact sand and gravel.
- The site is currently vacant. It was previously occupied by Painted Post Car Mart which retailed and serviced recreational vehicles (mobile homes). Remnants of the operation including abandoned vehicles, used tires, barrels and drums, hydraulic lifts in the building, and a waste oil storage tank were observed.
- Stained soil beneath an abandoned flatbed truck allegedly prompted an inspection by NYSDEC and the assignment of spill #0470187. The file is currently active which means some measure of remedial action will be required by the responsible party.



- Three (3) dry wells (parking lot drains) are located on-site. Vent lines suggesting the former or current presence of an underground storage tank (UST) or subsurface parts cleaner are located near the northeast corner of the building.
- Surrounding properties include Victory Highway Wesleyan Church to the west across a vacant parcel owned by the church, vacant land to the north, Hampton Inn to the east, Sugar Creek convenience store/Sunoco service station and Friendly's Restaurant to the southeast, vacant land to the south across Victory Highway, and residences to the southeast across Victory Highway. Interstate 86 is located to the north and east beyond the vacant land, motel, store, and restaurant.
- The site lies at an approximate elevation of 960 feet above mean sea level in the Cohocton River valley. The Cohocton River is located approximately 780 feet to the south of the south property line and flows to the east. Surficial geology generally consists of medium dense to dense silt to a depth of about five (5) feet underlain by subrounded to rounded silty sand and gravel likely indicative of an alluvial (river, stream) depositional environment. A small unnamed stream is located along the east property line and flows into the river.
- Nine (9) soil borings were completed throughout the site ranging in depth from eight (8) to twelve (12) feet below ground surface. Four (4) foot soil core samples were obtained at continuous intervals from each boring. A total of 23 samples were collected.
- Depth to groundwater based on the moisture content in the soil samples is approximately six (6) feet below ground surface and likely flows to the south or southeast toward the Cohocton River.
- No volatile organic compounds (VOC's) were detected in any of the samples and there was no visible evidence of petroleum or solvent impact such as free product, odor, sheen, or discoloration in any soil with the exception of a horizon from approximately 6 to 6.4 feet in boring B5 near the suspected UST or parts cleaner. The soil was discolored suggesting possible contamination and a sample was submitted for laboratory analysis. 17.6 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ) of the halogenated hydrocarbon 1,2-dichlorobenzene was detected well below the cleanup standard of 7,900  $\mu\text{g}/\text{kg}$ .
- Dry well #3 as indicated in Figure 1 was filled with sediment and debris. Laboratory analysis of a sediment sample indicated the presence of five (5) semi-volatile hydrocarbons (heavy petroleum) with two (2) hydrocarbons – benzo(b)fluoranthene and chrysene – significantly exceeding NYSDEC cleanup guidelines. The heavy metal selenium was detected at a concentration exceeding the numerical cleanup guideline, but site background concentrations may be considered.



- Stained soil beneath the abandoned flatbed truck submitted for laboratory analysis indicated the presence of the semi-volatile hydrocarbon pyrene at a concentration of 12,900 µg/kg which was well below the regulatory cleanup guidance value of 50,000 µg/kg. However, matrix interference elevated the detection limit for the remaining target compounds to a concentration of 10,000 µg/kg which is above the regulatory cleanup guidance value for some of the compounds.
- Laboratory analysis of a groundwater sample from boring B5 in the vicinity of the suspected UST or parts cleaner indicated the presence of seven (7) halogenated (chlorinated) and six (6) non-halogenated hydrocarbons at concentrations above regulatory groundwater standards. Concentrations of some compounds were several orders of magnitude above the standards.
- Analysis of groundwater samples from dry wells #1 and #2 did not reveal the presence of any target contaminants.

It is apparent from the results of laboratory analyses that three issues of concern regarding soil and groundwater should be addressed:

1. Groundwater in the vicinity and downgradient of boring B5
2. Sediment in dry well #3
3. Stained soil beneath the flat bed truck

The dry well and stained soil are easily addressed and will entail excavation and disposal of the impacted media. Two (2) semi-volatile hydrocarbons exceeding regulatory cleanup guidelines were detected in the dry well sample. Semi-volatiles readily sorb (adhere) to soil particles and do not easily migrate. Removal of few cubic yards or less of material should satisfactorily remediate the dry well to regulatory cleanup guidelines. As indicated in the text, the heavy metal selenium was detected at a concentration exceeding the numerical regulatory cleanup value, but because heavy metals are naturally occurring, site background concentration may be used as a cleanup standard. The detection limit for cadmium was also higher than the numerical cleanup guideline and the metal may be present in the sediment. Heavy metals are less mobile than semi-volatile hydrocarbons. Since it has been established that material impacted with semi-volatiles should be removed, default excavation of material potentially impacted with excessive amounts of selenium and cadmium will take place.

Although pyrene detected in the surface soil sample beneath the flat bed truck was well below the cleanup guideline, matrix interference elevated the detection limit for the remaining compounds to 10,000 µg/kg which is greater than the cleanup guideline for five (5) of the target compounds. The depth of the observed contamination was approximately three (3) inches and it would be prudent to remove the stained soil, consolidated it with the material removed from the impacted dry well, and dispose of the combined material at the local landfill. Due to the immobility of the hydrocarbons, the volume of material excavated should be minimal.



The impact to groundwater near boring B5 is significant and will require additional investigation to determine magnitude and extent. The groundwater plume should be delineated horizontally and vertically and it should be determined if a UST, subsurface parts cleaner, or other object is currently located within the impacted area. Remediation to regulatory groundwater standards will most likely be required.

It is advised that the Solid Waste Division of NYSDEC will require housekeeping issues to be addressed such as removal of tires, abandoned vehicles, barrels and drums, above ground storage tanks, etc. before the site be given inactive or closure status.

Teeter Environmental recommends the following tasks be performed to remediate impacted soil and sediment, further evaluate impact to groundwater, and address solid waste concerns:

1. Remove impacted sediment and debris from dry well #3 and dispose of at a landfill approved by NYSDEC to receive impacted media.
2. Remove impacted surface soil from beneath the flat bed truck, consolidate with the sediment from dry well #3, and dispose of at the landfill.
3. Delineate the contaminant plume in groundwater by completing a supplementary Phase II ESA with additional groundwater sampling and analysis.
4. Remove and dispose of all surficial debris to the approval of the Solid Waste Division of NYSDEC.

## VIII. LIMITATIONS

This report is based on a limited number of soil and groundwater samples and chemical analyses. The conclusions presented in this report are based only on the observations made during this investigation. The report presents a description of the subsurface conditions observed at each boring location during this investigation. Conclusions and recommendations set forth are applicable only to the facts and conditions at the time of this investigation.

In performing professional services, Teeter Environmental uses the degree of care and skill exercised under similar circumstances by members of the environmental profession practicing in the same or similar locality under similar conditions. The standard of care shall be judged exclusively as of the time these services are rendered and not according to later standards. Teeter Environmental makes no express or implied warranty beyond its conformance to this standard.

Teeter Environmental shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed for this report. Teeter Environmental believes that all information contained in this report is factual, however no guarantee is made or implied.



## **APPENDIX A**

### **FIGURES**

**Figure 1: Site Map**

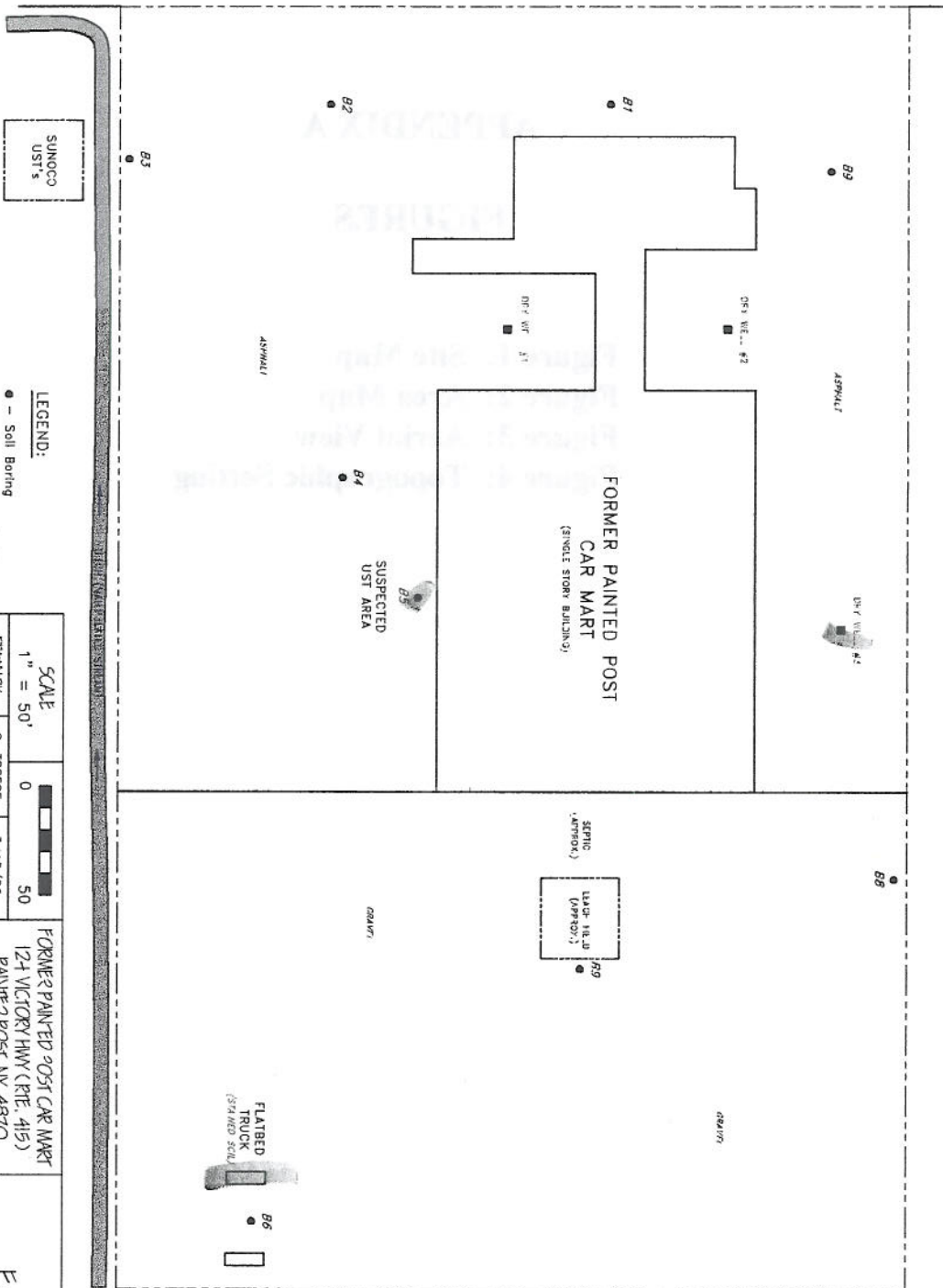
**Figure 2: Area Map**

**Figure 3: Aerial View**

**Figure 4: Topographic Setting**

APPROX. 7000 ft.  
10' SURVEILLANCE AREA

# VICTORY HIGHWAY (RTE. 415)



## LEGEND:

- - Soil Boring
- Approx. Property Line

SCALE  
1" = 50'



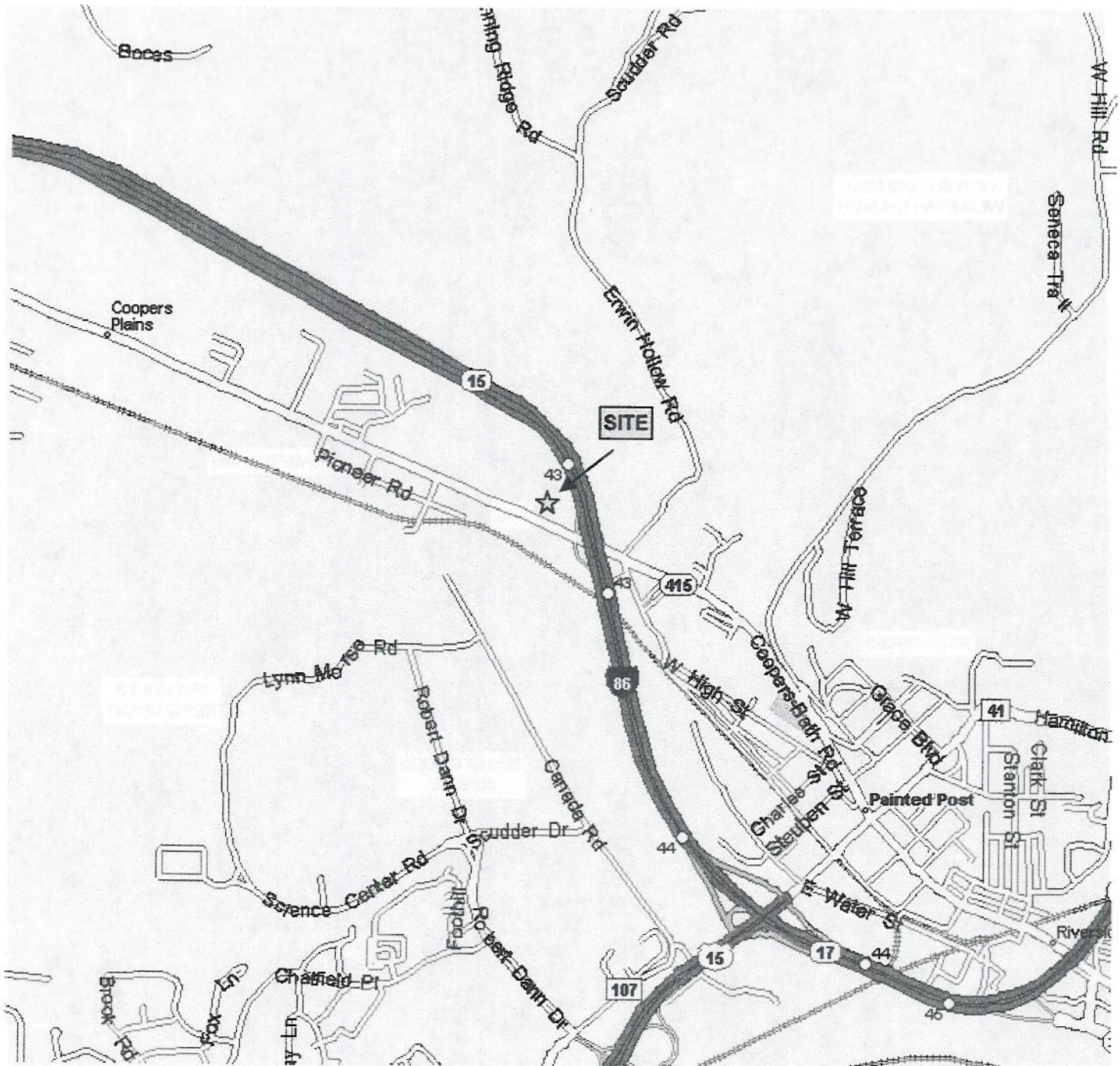
| DEMAND     | C. TREESE | 3/15/06 |
|------------|-----------|---------|
| DECEMBER   | D. TETTER | 3/15/06 |
| APRIL 2006 | D. TETTER | 3/15/06 |
| PERIOD     | C. TREESE | 3/15/06 |

Taylor Environmental Services

FORMER PAINTED POST CAR MART  
124 VICTORY HWY (RTE. 415)  
PAINTED POST, NY 4870  
prepared for:  
"8K REALTY"  
124 VICTORY HWY (RTE. 415)  
PAINTED POST, NY 4870

Figure 1  
SITE MAP





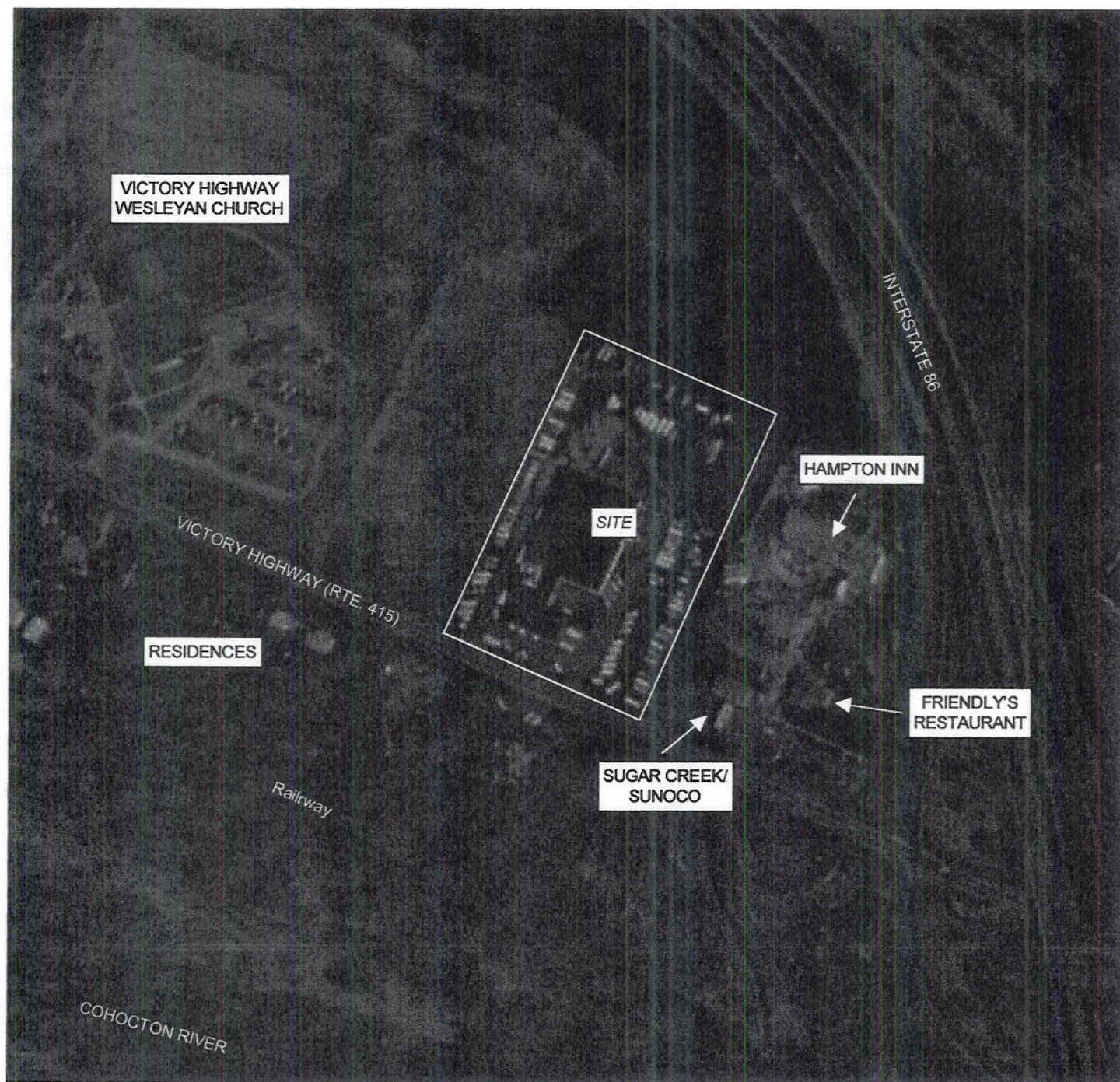
**Phase II ESA**  
Former Painted Post Car Mart  
124 Victory Hwy (Rte. 415)  
Painted Post, New York 14870

*March 13, 2006*

**Figure 2**  
**AREA MAP**

1 in = 0.4 mi





**Phase II ESA**  
Former Painted Post Car Mart  
124 Victory Hwy (Rte. 415)  
Painted Post, New York 14870  
*March 13, 2006*

**Figure 3**  
**AERIAL VIEW**

1 in = 275 ft



## APPENDIX B

### SUBSURFACE LOGS

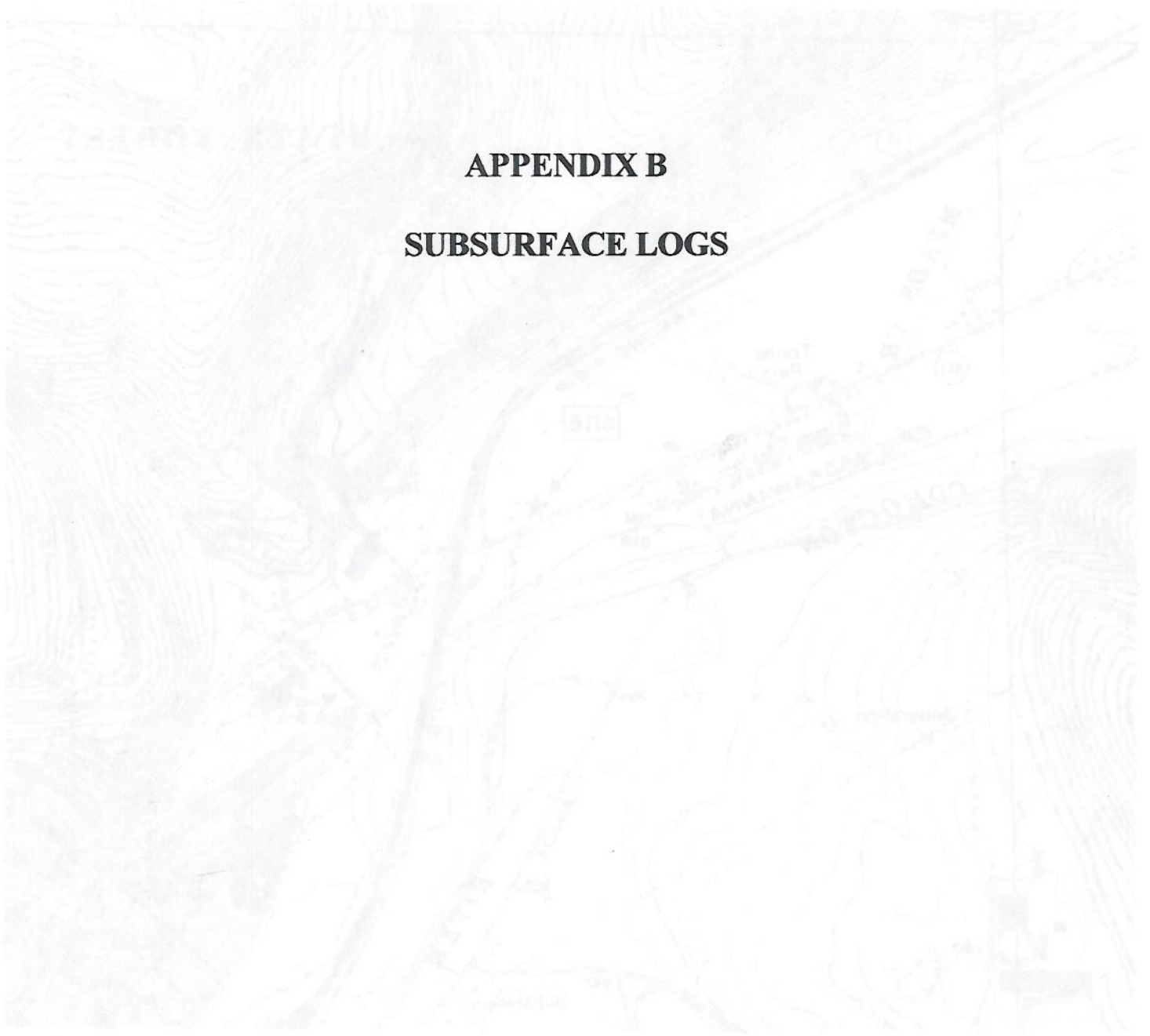
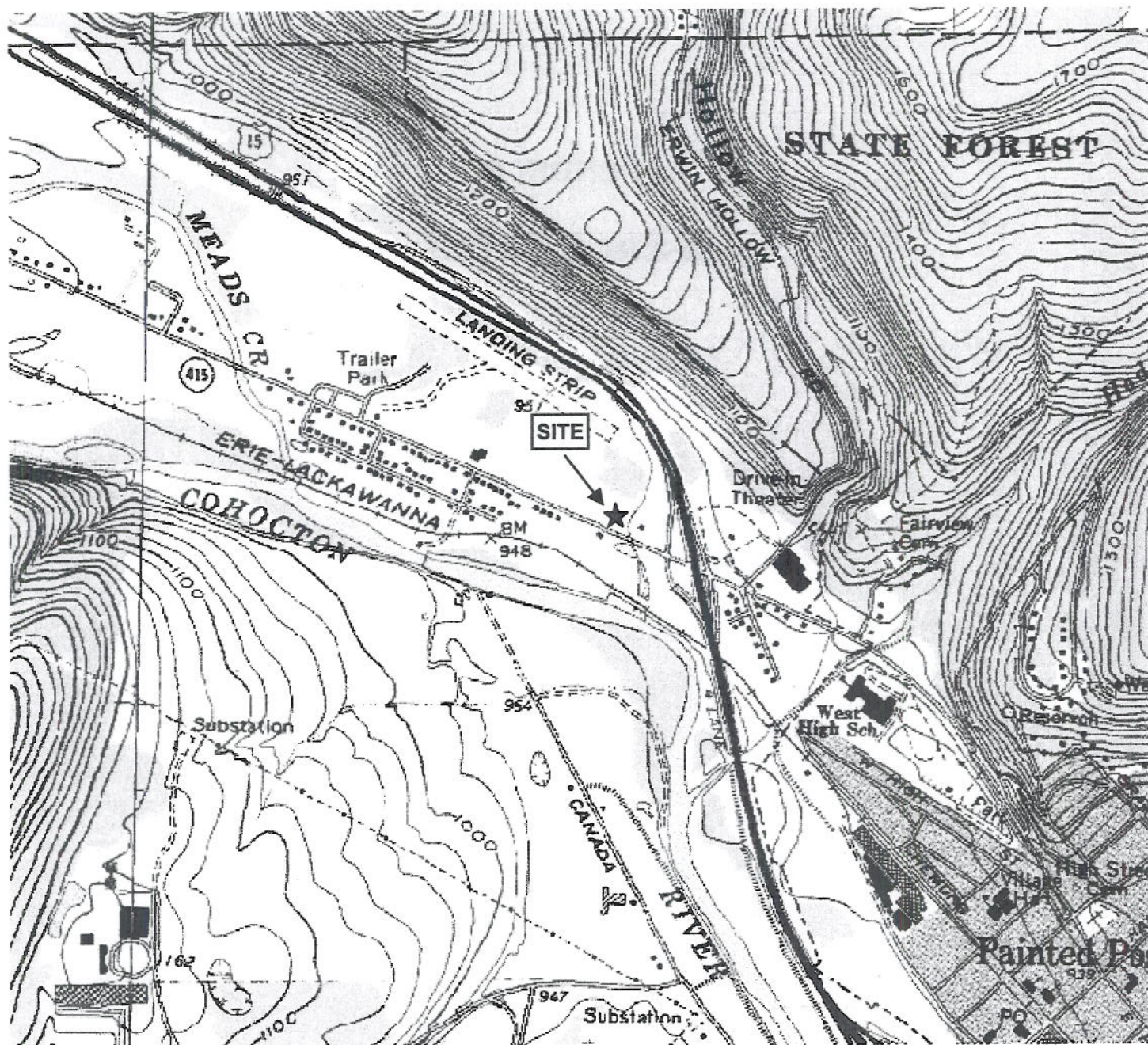


Figure 4  
Topographic  
Setting  
1:50,000

Phase II EDA  
Former Indian Post Office  
124 Victory Hwy (Rte 410)  
Pinedale Post, New York 14870  
March 13, 2008

Adapted from USGS Series Topographic  
Corning Quadrangle  
1976



**Phase II ESA**  
Former Painted Post Car Mart  
124 Victory Hwy (Rte. 415)  
Painted Post, New York 14870  
March 13, 2006

**Figure 4**  
**TOPOGRAPHIC**  
**SETTING**

1 in = 1,470 ft



# SUBSURFACE LOG

DRILL RIG: Geoprobe® 540UD DRILL SIZE & TYPE: 2" OD drive point DRILLER NAME(S): Keith Skow

\*MC – GEOPROBE MACROCORE    SS – SPLIT SPOON    DPSS – DIRECT PUSH SPLIT SPOON    SH – SHELBY TUBE    C – BEDROCK CORE

## SUBSURFACE LOG

DRILL RIG: Geoprobe® 540UD DRILL SIZE & TYPE: 2" OD drive point DRILLER NAME(S): Keith Skow

\*MC - GEOPROBE MACROCORE    SS - SPLIT SPOON    DPSS - DIRECT PUSH SPLIT SPOON    SH - SHELBY TUBE    C - BEDROCK CORE









## SUBSURFACE LOG

DRILL RIG: Geoprobe® 540UD DRILL SIZE & TYPE: 2" OD drive point DRILLER NAME(S): Keith Skow

\*MC - GEOPROBE MACROCORE    SS - SPLIT SPOON    DPSS - DIRECT PUSH SPLIT SPOON    SH - SHELBY TUBE    C - BEDROCK CORE

## SUBSURFACE LOG

CLIENT: Mr. Rick Capozza, Hiscock & Barclay LLP, P.O. Box 4878, Syracuse, NY 13221 WELL/BORING ID: B6

GROUNDWATER DEPTH WHILE DRILLING: Not encountered GROUNDWATER DEPTH AFTER COMPLETION: NA

DRILL RIG: Geoprobe® 540UD DRILL SIZE & TYPE: 2" OD drive point DRILLER NAME(S): Keith Skow

NOTES

\*MC - GEOPROBE MACROCORE    SS - SPLIT SPOON    DPSS - DIRECT PUSH SPLIT SPOON    SH - SHELBY TUBE    C - BEDROCK CORE



# SUBSURFACE LOG

DRILL RIG: Geoprobe® 540UD DRILL SIZE & TYPE: 2" OD drive point DRILLER NAME(S): Keith Skow

\*MC – GEOPROBE MACROCORE    SS – SPLIT SPOON    DPSS – DIRECT PUSH SPLIT SPOON    SH – SHELBY TUBE    C – BEDROCK CORE

## SUBSURFACE LOG

DRILL RIG: Geoprobe® 540UD DRILL SIZE & TYPE: 2" OD drive point DRILLER NAME(S): Keith Skow

[illegible]

## NOTES

\*MC - GEOPROBE MACROCORE    SS - SPLIT SPOON    DPSS - DIRECT PUSH SPLIT SPOON    SH - SHELBY TUBE    C - BEDROCK CORE



# SUBSURFACE LOG

Project: Environmental Services, Inc.

Project Location: 10000 Parkway Road, Suite 100, New York, NY 10000

Client: Mr. John Doe, 10000 Parkway Road, Suite 100, New York, NY 10000

Start Date: January 15, 2020 Completion Date: January 15, 2020 Requested By: David Jones

Groundwater Depth: 10.0 ft. Groundwater Quality: Good

Weather Conditions: Clear, 60°F, Windy, 10 mph

Drill Site: 10000 Parkway Road, Suite 100, New York, NY 10000

## APPENDIX C

### LABORATORY REPORTS

| Sample No. | Sample Depth (ft.) | Sample Volume (L) | Sample Type | Sample Date | Sample Location                                   |
|------------|--------------------|-------------------|-------------|-------------|---|
| 1          | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 2          | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 3          | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 4          | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 5          | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 6          | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 7          | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 8          | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 9          | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 10         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 11         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 12         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 13         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 14         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 15         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 16         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 17         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 18         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 19         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 20         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 21         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 22         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 23         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 24         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 25         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 26         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 27         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 28         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 29         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 30         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 31         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 32         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 33         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 34         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 35         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 36         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 37         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 38         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 39         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 40         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 41         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 42         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 43         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 44         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 45         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 46         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 47         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 48         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 49         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |
| 50         | 0                  | 1.0               | MC          | 1/15/20     | 10000 Parkway Road, Suite 100, New York, NY 10000 |

Notes:

10000 Parkway Road, Suite 100, New York, NY 10000

# SUBSURFACE LOG

DRILL RIG: Geoprobe® 540UD DRILL SIZE & TYPE: 2" OD drive point DRILLER NAME(S): Keith Skow

[illegible]

## NOTES

\*MC - GEOPROBE MACROCORE    SS - SPLIT SPOON    DPSS - DIRECT PUSH SPLIT SPOON    SH - SHELBY TUBE    C - BEDROCK CORE





**Eastern Laboratory Services Ltd**

quality ■ accuracy ■ reliability

# ENVIRONMENTAL

2566 Pennsylvania Ave.

Sayre, PA 18840

Phone (570) 888-0169

FAX (570) 888-0717

## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

**Reported:**  
03/08/06 11:01

**B-3**  
**6B21008-01 (Grab)**

Date Sampled: 02/20/06 11:20  
Date Received: 02/21/06 11:10

| Analyte   | Result | Detection Limit | Units | Prepared       | Analyzed       | Method       | Analyst | Notes |
|---|--------|-----------------|-------|----------------|----------------|--------------|---------|-------|
| <b>SW846/8260B Volatile Organic Compounds</b>     |        |                 |       |                |                |              |         | Amend |
| Benzene   | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | 02/24/06 00:00 | SW-846/8260B | CY      |       |
| n-Butylbenzene                                    | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| sec-Butylbenzene                                  | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| tert-Butylbenzene                                 | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Ethylbenzene                                      | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Isopropylbenzene                                  | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| p-Isopropyltoluene                                | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| n-Propylbenzene                                   | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Toluene   | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,2,4-Trimethylbenzene                            | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,3,5-Trimethylbenzene                            | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| o-Xylene  | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| m,p-Xylene  | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Naphthalene                                       | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Methyl tert-butyl ether                           | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| <b>SW846/8270C Semivolatile Organic Compounds</b> |        |                 |       |                |                |              |         | Amend |
| Naphthalene                                       | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | 03/06/06 00:00 | SW-846/8270C | RJH     |       |
| Acenaphthylene                                    | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Acenaphthene                                      | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Fluorene  | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Phenanthrene                                      | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Anthracene  | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Fluoranthene                                      | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Pyrene  | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (a) anthracene                              | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Chrysene  | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (b) fluoranthene                            | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (k) fluoranthene                            | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (a) pyrene                                  | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |

Eastern Laboratory Services, Ltd.

*Irene Chu*

Reviewed by Irene Chu, Laboratory Director

The results in this report apply to the samples, as received by the laboratory, analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. The test results meet all requirements of NELAC.

PA 08380

NY 11216

## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

**Reported:**  
03/08/06 11:01

**B-5**  
**6B21008-02 (Grab)**

Date Sampled: 02/20/06 12:10  
Date Received: 02/21/06 11:10

| Analyte                                       | Result | Detection Limit | Units | Prepared       | Analyzed       | Method       | Analyst | Notes |
|---|--------|-----------------|-------|----------------|----------------|--------------|---------|-------|
| <b>SW846/8260B Volatile Organic Compounds</b> |        |                 |       |                |                |              |         |       |
| trans-1,2-Dichloroethene                      | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | 02/24/06 00:00 | SW-846/8260B | CY      |       |
| 1,2-Dichloropropane                           | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,3-Dichloropropane                           | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 2,2-Dichloropropane                           | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,1-Dichloropropene                           | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| cis-1,3-Dichloropropene                       | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| trans-1,3-Dichloropropene                     | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Ethylbenzene                                  | 72.4   | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Hexachlorobutadiene                           | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Isopropylbenzene                              | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| p-Isopropyltoluene                            | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Methylene chloride                            | 646    | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| n-Propylbenzene                               | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Styrene                                       | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,1,1,2-Tetrachloroethane                     | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,1,2,2-Tetrachloroethane                     | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Tetrachloroethene                             | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Toluene                                       | 792    | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,2,3-Trichlorobenzene                        | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,2,4-Trichlorobenzene                        | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,1,1-Trichloroethane                         | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,1,2-Trichloroethane                         | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Trichloroethene                               | 50.7   | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Trichlorofluoromethane                        | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,2,3-Trichloropropane                        | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,2,4-Trimethylbenzene                        | 108    | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,3,5-Trimethylbenzene                        | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Vinyl chloride                                | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| o-Xylene                                      | 139    | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |

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*Irene Chu*

*u*

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PA 08380

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Reviewed by Irene Chu, Laboratory Director

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## Certificate of Analysis

|   |  |                                    |
|---|--|------------------------------------|
| Teeter Environmental<br>RD#1, Box 124B, Macafee Road<br>Sayre PA, 18840 | Project: 124 Victory Highway<br>Project No: [none]<br>Project Manager: Dave Teeter | <b>Reported:</b><br>03/08/06 11:01 |
|---|--|------------------------------------|

**B-5**  
**6B21008-02 (Grab)**

Date Sampled: 02/20/06 12:10

Date Received: 02/21/06 11:10

| Analyte   | Result | Detection Limit | Units | Prepared       | Analyzed       | Method       | Analyst | Notes |
|---|--------|-----------------|-------|----------------|----------------|--------------|---------|-------|
| <b>SW846/8260B Volatile Organic Compounds</b>     |        |                 |       |                |                |              |         |       |
| m,p-Xylene  | 285    | 50.0            | ug/l  | 02/24/06 00:00 | "              | SW-846/8260B | CY      |       |
| Naphthalene                                       | 91.5   | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      | HCCV  |
| Methyl tert-butyl ether                           | <50.0  | 50.0            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Acetone   | <100   | 100             | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Methyl ethyl ketone                               | <100   | 100             | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Methyl isobutyl ketone                            | <100   | 100             | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Surrogate: 1,2-Dichloroethane-d4                  | 94.6 % | 80-120          |       |                | "              | "            | CY      |       |
| Surrogate: Toluene-d8                             | 100 %  | 88-110          |       |                | "              | "            | CY      |       |
| Surrogate: Bromofluorobenzene                     | 103 %  | 86-115          |       |                | "              | "            | CY      |       |
| <b>SW846/8270C Semivolatile Organic Compounds</b> |        |                 |       |                |                |              |         |       |
| Naphthalene                                       | 41.6   | 10.0            | ug/l  | 02/24/06 00:00 | 03/06/06 00:00 | SW-846/8270C | RJH     | Amend |
| Acenaphthylene                                    | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Acenaphthene                                      | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Fluorene  | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Phenanthrene                                      | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Anthracene  | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Fluoranthene                                      | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Pyrene  | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (a) anthracene                              | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Chrysene  | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (b) fluoranthene                            | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (k) fluoranthene                            | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (a) pyrene                                  | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Indeno (1,2,3-cd) pyrene                          | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Dibenz (a,h) anthracene                           | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (g,h,i) perylene                            | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | "              | "            | RJH     |       |
| Surrogate: Nitrobenzene-d5                        | 5.70 % | 31-128          |       |                | "              | "            | RJH     | SURMI |
| Surrogate: 2-Fluorobiphenyl                       | 34.5 % | 43-97           |       |                | "              | "            | RJH     | SURMI |
| Surrogate: p-Terphenyl-d14                        | 24.6 % | 24-118          |       |                | "              | "            | RJH     | SURMI |

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*Irene Chu*

Reviewed by Irene Chu, Laboratory Director

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## ENVIRONMENTAL

2566 Pennsylvania Ave.

Sayre, PA 18840

Phone (570) 888-0169

FAX (570) 888-0717

## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

Reported:  
03/08/06 11:01

### Qualifiers:

- Amend = Amended Report
- E = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
- HCCV = Continuing Calibration Verification was above acceptance limits Results may be biased high.
- SURMI = Low recovery due to sample matrix interference

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*Irene Chu* 

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Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

Reported:  
03/08/06 11:01

B-5  
6B21008-03 (Grab)

Date Sampled: 02/20/06 12:15  
Date Received: 02/21/06 11:10

| Analyte  | Result | Detection Limit | Units | Prepared       | Analyzed       | Method       | Analyst | Notes |
|--|--------|-----------------|-------|----------------|----------------|--------------|---------|-------|
| <b>Conventional Chemistry Parameters by APHA/EPA Methods</b> |        |                 |       |                |                |              |         |       |
| % Solids   | 89.2   | 0.100           | %     | 02/23/06 16:30 | 02/23/06 16:30 | EPA 160.3    | KAL     | LLFB  |
| <b>SW846/8260B Volatile Organic Compounds</b>                |        |                 |       |                |                |              |         |       |
| Carbon disulfide   | <22.4  | 22.4            | ug/kg | 02/24/06 00:00 | 02/24/06 00:00 | SW-846/8260B | CY      |       |
| Benzene  | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| Bromobenzene   | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| Bromochloromethane   | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| Bromodichloromethane   | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| Bromoform  | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| Bromomethane   | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| n-Butylbenzene   | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| sec-Butylbenzene   | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| tert-Butylbenzene  | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| Carbon tetrachloride   | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| Chlorobenzene  | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| Chloroethane   | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| Chloroform   | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| Chloromethane  | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| 2-Chlorotoluene  | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| 4-Chlorotoluene  | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| Dibromochloromethane   | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| Dibromomethane   | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,2-Dibromoethane (EDB)                                      | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,2-Dibromo-3-chloropropane                                  | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,2-Dichlorobenzene  | 17.6   | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,3-Dichlorobenzene  | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,4-Dichlorobenzene  | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| Dichlorodifluoromethane                                      | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,1-Dichloroethane   | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,2-Dichloroethane   | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "              | "            | CY      |       |

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Irene Chu

Reviewed by Irene Chu, Laboratory Director

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## ENVIRONMENTAL

2566 Pennsylvania Ave.

Sayre, PA 18840

Phone (570) 888-0169

FAX (570) 888-0717

## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

Reported:  
03/08/06 11:01

**B-5**  
**6B21008-03 (Grab)**

Date Sampled: 02/20/06 12:15  
Date Received: 02/21/06 11:10

| Analyte                                       | Result | Detection Limit | Units | Prepared       | Analyzed | Method       | Analyst | Notes |
|---|--------|-----------------|-------|----------------|----------|--------------|---------|-------|
| <b>SW846/8260B Volatile Organic Compounds</b> |        |                 |       |                |          |              |         |       |
| 1,1-Dichloroethene                            | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | SW-846/8260B | CY      |       |
| cis-1,2-Dichloroethene                        | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| trans-1,2-Dichloroethene                      | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,2-Dichloropropane                           | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,3-Dichloropropane                           | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| 2,2-Dichloropropane                           | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,1-Dichloropropene                           | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| cis-1,3-Dichloropropene                       | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| trans-1,3-Dichloropropene                     | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| Ethylbenzene                                  | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| Hexachlorobutadiene                           | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| Isopropylbenzene                              | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| p-Isopropyltoluene                            | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| Methylene chloride                            | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| n-Propylbenzene                               | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| Styrene                                       | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,1,1,2-Tetrachloroethane                     | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| Tetrachloroethene                             | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| Toluene                                       | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,2,3-Trichlorobenzene                        | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,2,4-Trichlorobenzene                        | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,1,1-Trichloroethane                         | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,1,2-Trichloroethane                         | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| Trichloroethene                               | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| Trichlorofluoromethane                        | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,2,3-Trichloropropane                        | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,2,4-Trimethylbenzene                        | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,3,5-Trimethylbenzene                        | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |
| Vinyl chloride                                | <11.2  | 11.2            | ug/kg | 02/24/06 00:00 | "        | "            | CY      |       |

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*Irene Chu*

Reviewed by Irene Chu, Laboratory Director

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## ENVIRONMENTAL

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Sayre, PA 18840

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FAX (570) 888-0717

## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

**Reported:**  
03/08/06 11:01

**B-5**  
**6B21008-03 (Grab)**

Date Sampled: 02/20/06 12:15  
Date Received: 02/21/06 11:10

| Analyte   | Result | Detection Limit | Units     | Prepared       | Analyzed       | Method       | Analyst | Notes |
|---|--------|-----------------|-----------|----------------|----------------|--------------|---------|-------|
| <b>SW846/8260B Volatile Organic Compounds</b>     |        |                 |           |                |                |              |         |       |
| o-Xylene  | <11.2  | 11.2            | ug/kg     | 02/24/06 00:00 | "              | SW-846/8260B | CY      |       |
| m,p-Xylene  | <11.2  | 11.2            | ug/kg     | 02/24/06 00:00 | "              | "            | CY      |       |
| Naphthalene                                       | <11.2  | 11.2            | ug/kg     | 02/24/06 00:00 | "              | "            | CY      |       |
| Methyl tert-butyl ether                           | <11.2  | 11.2            | ug/kg     | 02/24/06 00:00 | "              | "            | CY      |       |
| Acetone   | <22.4  | 22.4            | ug/kg     | 02/24/06 00:00 | "              | "            | CY      |       |
| Methyl isobutyl ketone                            | <22.4  | 22.4            | ug/kg     | 02/24/06 00:00 | "              | "            | CY      |       |
| Methyl ethyl ketone                               | <22.4  | 22.4            | ug/kg     | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,1,2,2-Tetrachloroethane                         | <11.2  | 11.2            | ug/kg     | 02/24/06 00:00 | "              | "            | CY      |       |
| Surrogate: 1,2-Dichloroethane-d4                  |        | 89.4 %          | 85-112    |                | "              | "            | CY      |       |
| Surrogate: Toluene-d8                             |        | 97.6 %          | 89-108    |                | "              | "            | CY      |       |
| Surrogate: Bromofluorobenzene                     |        | 94.2 %          | 75-116    |                | "              | "            | CY      |       |
| <b>SW846/8270C Semivolatile Organic Compounds</b> |        |                 |           |                |                |              |         |       |
| Naphthalene                                       | <100   | 100             | ug/kg dry | 02/23/06 00:00 | 03/02/06 00:00 | SW-846/8270C | RJH     |       |
| Acenaphthylene                                    | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Acenaphthene                                      | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Fluorene  | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Phenanthrene                                      | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Anthracene  | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Fluoranthene                                      | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Pyrene  | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     | AA    |
| Benzo (a) anthracene                              | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Chrysene  | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Benzo (b) fluoranthene                            | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Benzo (k) fluoranthene                            | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Benzo (a) pyrene                                  | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Indeno (1,2,3-cd) pyrene                          | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Dibenz (a,h) anthracene                           | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Benzo (g,h,i) perylene                            | <100   | 100             | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Surrogate: p-Terphenyl-d14                        |        | 52.6 %          | 47-121    |                | "              | "            | RJH     |       |

Eastern Laboratory Services, Ltd.

*Irene Chu*

Reviewed by Irene Chu, Laboratory Director

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## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

Reported:  
03/08/06 11:01

### Qualifiers:

AA = CCV recovery low; LFB recovery acceptable.  
Amend = Amended Report  
LLFB = LFB % Recovery below acceptance limits. The result may be biased low.

Eastern Laboratory Services. Ltd.

*Irene Chu*

Reviewed by Irene Chu, Laboratory Director

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## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

**Reported:**  
03/08/06 11:01

**B-7**  
**6B21008-04 (Grab)**

Date Sampled: 02/20/06 12:45

Date Received: 02/21/06 11:10

| Analyte                                       | Result | Detection Limit | Units | Prepared       | Analyzed       | Method       | Analyst | Notes |
|---|--------|-----------------|-------|----------------|----------------|--------------|---------|-------|
| <b>SW846/8260B Volatile Organic Compounds</b> |        |                 |       |                |                |              |         |       |
| Carbon disulfide                              | <10.0  | 10.0            | ug/l  | 02/24/06 00:00 | 02/24/06 00:00 | SW-846/8260B | CY      |       |
| Benzene                                       | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Bromobenzene                                  | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Bromochloromethane                            | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Bromodichloromethane                          | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Bromoform                                     | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Bromomethane                                  | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| n-Butylbenzene                                | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| sec-Butylbenzene                              | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| tert-Butylbenzene                             | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Carbon tetrachloride                          | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Chlorobenzene                                 | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Chloroethane                                  | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Chloroform                                    | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Chloromethane                                 | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 2-Chlorotoluene                               | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 4-Chlorotoluene                               | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Dibromochloromethane                          | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Dibromomethane                                | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,2-Dibromoethane (EDB)                       | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,2-Dibromo-3-chloropropane                   | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,2-Dichlorobenzene                           | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,3-Dichlorobenzene                           | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,4-Dichlorobenzene                           | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| Dichlorodifluoromethane                       | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,1-Dichloroethane                            | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,2-Dichloroethane                            | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| 1,1-Dichloroethene                            | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |
| cis-1,2-Dichloroethene                        | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "              | "            | CY      |       |

Eastern Laboratory Services, Ltd.

*Irene Chu*

Reviewed by Irene Chu, Laboratory Director

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PA 08380

NY 11216



**Eastern Laboratory Services Ltd**

quality ■ accuracy ■ reliability

## ENVIRONMENTAL

2566 Pennsylvania Ave.

Sayre, PA 18840

Phone (570) 888-0169

FAX (570) 888-0717

## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

Reported:  
03/08/06 11:01

**B-7**  
**6B21008-04 (Grab)**

Date Sampled: 02/20/06 12:45  
Date Received: 02/21/06 11:10

| Analyte                                       | Result | Detection Limit | Units | Prepared       | Analyzed | Method       | Analyst | Notes |
|---|--------|-----------------|-------|----------------|----------|--------------|---------|-------|
| <b>SW846/8260B Volatile Organic Compounds</b> |        |                 |       |                |          |              |         |       |
| trans-1,2-Dichloroethene                      | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | SW-846/8260B | CY      |       |
| 1,2-Dichloropropane                           | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,3-Dichloropropane                           | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| 2,2-Dichloropropane                           | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,1-Dichloropropene                           | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| cis-1,3-Dichloropropene                       | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| trans-1,3-Dichloropropene                     | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| Ethylbenzene                                  | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| Hexachlorobutadiene                           | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| Isopropylbenzene                              | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| p-Isopropyltoluene                            | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| Methylene chloride                            | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| n-Propylbenzene                               | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| Styrene                                       | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,1,1,2-Tetrachloroethane                     | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,1,2,2-Tetrachloroethane                     | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| Tetrachloroethene                             | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| Toluene                                       | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,2,3-Trichlorobenzene                        | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,2,4-Trichlorobenzene                        | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,1,1-Trichloroethane                         | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,1,2-Trichloroethane                         | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| Trichloroethene                               | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| Trichlorofluoromethane                        | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,2,3-Trichloropropane                        | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,2,4-Trimethylbenzene                        | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| 1,3,5-Trimethylbenzene                        | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| Vinyl chloride                                | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |
| o-Xylene                                      | <5.00  | 5.00            | ug/l  | 02/24/06 00:00 | "        | "            | CY      |       |

Eastern Laboratory Services, Ltd.

*Irene Chu*

Reviewed by Irene Chu, Laboratory Director

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# ENVIRONMENTAL

2566 Pennsylvania Ave.

Sayre, PA 18840

Phone (570) 888-0169

FAX (570) 888-0717

## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

Reported:  
03/08/06 11:01

B-7  
6B21008-04 (Grab)

Date Sampled: 02/20/06 12:45  
Date Received: 02/21/06 11:10

| Analyte   | Result | Detection Limit | Units  | Prepared       | Analyzed       | Method       | Analyst | Notes |
|---|--------|-----------------|--------|----------------|----------------|--------------|---------|-------|
| <b>SW846/8260B Volatile Organic Compounds</b>     |        |                 |        |                |                |              |         |       |
| m,p-Xylene  | <5.00  | 5.00            | ug/l   | 02/24/06 00:00 | "              | SW-846/8260B | CY      |       |
| Naphthalene                                       | <5.00  | 5.00            | ug/l   | 02/24/06 00:00 | "              | "            | CY      |       |
| Methyl tert-butyl ether                           | <5.00  | 5.00            | ug/l   | 02/24/06 00:00 | "              | "            | CY      |       |
| Acetone   | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | CY      |       |
| Methyl ethyl ketone                               | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | CY      |       |
| Methyl isobutyl ketone                            | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | CY      |       |
| Surrogate: 1,2-Dichloroethane-d4                  | 93.4 % |                 | 80-120 |                | "              | "            | CY      |       |
| Surrogate: Toluene-d8                             | 99.6 % |                 | 88-110 |                | "              | "            | CY      |       |
| Surrogate: Bromofluorobenzene                     | 98.2 % |                 | 86-115 |                | "              | "            | CY      |       |
| <b>SW846/8270C Semivolatile Organic Compounds</b> |        |                 |        |                |                |              |         |       |
| Naphthalene                                       | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | 03/06/06 00:00 | SW-846/8270C | RJH     | Amend |
| Acenaphthylene                                    | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Acenaphthene                                      | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Fluorene  | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Phenanthrene                                      | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Anthracene  | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Fluoranthene                                      | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Pyrene  | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (a) anthracene                              | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Chrysene  | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (b) fluoranthene                            | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (k) fluoranthene                            | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (a) pyrene                                  | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Indeno (1,2,3-cd) pyrene                          | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Dibenz (a,h) anthracene                           | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Benzo (g,h,i) perylene                            | <10.0  | 10.0            | ug/l   | 02/24/06 00:00 | "              | "            | RJH     |       |
| Surrogate: Nitrobenzene-d5                        | 68.4 % |                 | 31-128 |                | "              | "            | RJH     |       |
| Surrogate: 2-Fluorobiphenyl                       | 62.9 % |                 | 43-97  |                | "              | "            | RJH     |       |
| Surrogate: p-Terphenyl-d14                        | 62.6 % |                 | 24-118 |                | "              | "            | RJH     |       |

Eastern Laboratory Services, Ltd.

Irene Chu

Reviewed by Irene Chu, Laboratory Director

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NY 11216



Eastern Laboratory Services Ltd

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**ENVIRONMENTAL**

2566 Pennsylvania Ave.

Sayre, PA 18840

Phone (570) 888-0169

FAX (570) 888-0717

## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

**Reported:**  
03/08/06 11:01

**Qualifiers:**

Amend = Amended Report

Eastern Laboratory Services, Ltd.

*Irene Chu*

Reviewed by Irene Chu, Laboratory Director

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Page 14 of 14



# CHAIN OF CUSTODY



Eastern Laboratory Services, Ltd.  
2566 Pennsylvania Avenue • Sayre, PA 18840  
Phone: (570) 888-0169

PAGE 1 OF 1

REPORT TO:

Tes Inc

P.E. # 13412413

Sayre Pa 18840

REFRIGERATE SAMPLES  
AFTER COLLECTION

CONTACT

PH#

FAX#

BILL TO: Tes Inc

PO#

PROJECT DESCRIPTION

SAMPLER SIGNATURE / AFFILIATION

CONTAINER SAMPLING POINT

TRANSPORT  
TO

LABORATORY  
IN COOLER  
WITH ICE

DATE SAMPLED  
TIME OF SAMPLING  
SAMPLE MATRIX

SAMPLETYPE - GRAB / COMPOSITE  
SAMPLER INITIALS  
PRESERVATIVE

ANALYSIS TO BE PERFORMED  
(PER CONTAINER)

COMPOSITED ON RECEIPT  
PRESERVATIVE ADDED ON RECEIPT

ELS USE ONLY

Please fill out all  
applicable areas  
completely

|    |                 |       |                 |
|----|-----------------|-------|-----------------|
| DW | DRINKING WATER  | SL    | SLUDGE          |
| GW | GROUND WATER    | SO    | SOIL            |
| SW | SURFACE WATER   | HZ    | HAZARDOUS       |
| WW | WASTE WATER     | OTHER |                 |
| DE | DEIONIZED WATER | DI    | DISTILLED WATER |

RESULTS ARE BEING USED FOR:

NYDOH

NYDEC

PADEP

LANDFILL

ARE SPECIAL DETECTION LIMITS  
NEEDED: YES / ☒ NO  
IF YES, PLEASE ATTACH  
IS A QC PACKAGE NEEDED?  
YES / ☒ NO  
IF YES, PLEASE ATTACH REQUIREMENTS

|    |     |         |      |    |    |                              |               |
|----|-----|---------|------|----|----|------------------------------|---------------|
| 1  | B-3 | 2/20/06 | 1120 | 6  | DT | 8260 STARS - 8270 STARS      | 6B21008-01ABC |
| 2  | B-5 | 2/20/06 | 1200 | 6  | DT | 8260 Full Cont. - 8270 STARS | -03ABC        |
| 3  | B-5 | 2/20/06 | 1215 | 50 | 6  | DT                           | -03AB         |
| 4  | B-7 | 2/20/06 | 1215 | 6  | DT | 8260 Full Cont. - 8270 STARS | -04ABC        |
| 5  |     |         |      |    |    |                              |               |
| 6  |     |         |      |    |    |                              |               |
| 7  |     |         |      |    |    |                              |               |
| 8  |     |         |      |    |    | 01AB 8260X 02404 AB 8260     |               |
| 9  |     |         |      |    |    | C-8270X C-8270X              |               |
| 10 |     |         |      |    |    | 03 A-8260, 8270X             |               |
| 11 |     |         |      |    |    | B-9ATS                       | Due 3/7/06    |

ELS USE ONLY

DELIVERED BY DT

TEMPERATURE UPON RECEIPT 3

°C ARRIVAL ON ICE ☒ Y ☐ N

RELINQUISHED BY:

DATE:

TIME:

RECEIVED BY:

DATE:

TIME:

RELINQUISHED BY:

DATE:

TIME:

RECEIVED BY:

DATE:

TIME:

RELINQUISHED BY:

DATE:

TIME:

RECEIVED BY:

DATE:

TIME:

2/20/06 1110

Debbie McFarland

2/21/06 1211





**Eastern Laboratory Services Ltd**

quality ■ accuracy ■ reliability

# ENVIRONMENTAL

2566 Pennsylvania Ave.

Sayre, PA 18840

Phone (570) 888-0169

FAX (570) 888-0717

## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

Reported:  
03/09/06 15:31

**Drywell #1-Parking Lot  
6B17091-01 (Waste Water)**

Date Sampled: 02/16/06 13:15  
Date Received: 02/17/06 09:45

| Analyte                   | Result | Detection Limit | Units | Prepared       | Analyzed       | Method  | Analyst | Notes |
|---------------------------|--------|-----------------|-------|----------------|----------------|---------|---------|-------|
| <b>EPA 624 Purgeables</b> |        |                 |       |                |                |         |         |       |
| Dichlorodifluoromethane   | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | 02/17/06 00:00 | EPA 624 | CY      |       |
| Chloromethane             | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Vinyl chloride            | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Bromomethane              | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Chloroethane              | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Trichlorofluoromethane    | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,1-Dichloroethene        | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Methylene chloride        | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| trans-1,2-Dichloroethene  | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,1-Dichloroethane        | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Chloroform                | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,1,1-Trichloroethane     | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Carbon tetrachloride      | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,2-Dichloroethane        | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Trichloroethene           | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,2-Dichloropropane       | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Bromodichloromethane      | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 2-Chloroethylvinyl ether  | <10.0  | 10.0            | ug/l  | 02/17/06 00:00 | "              | "       | CY      | LCCV  |
| cis-1,3-Dichloropropene   | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| trans-1,3-Dichloropropene | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,1,2-Trichloroethane     | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Tetrachloroethene         | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Dibromochloromethane      | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Bromoform                 | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,1,2,2-Tetrachloroethane | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Benzene                   | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Toluene                   | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Chlorobenzene             | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Ethylbenzene              | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |

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*Irene Chu*

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**Certificate of Analysis**

Teeter Environmental  
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Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

Reported:  
03/09/06 15:31

**Drywell #1-Parking Lot**  
**6B17091-01 (Waste Water)**

Date Sampled: 02/16/06 13:15  
Date Received: 02/17/06 09:45

| Analyte                          | Result | Detection Limit | Units  | Prepared       | Analyzed | Method  | Analyst | Notes |
|----------------------------------|--------|-----------------|--------|----------------|----------|---------|---------|-------|
| <b>EPA 624 Purgeables</b>        |        |                 |        |                |          |         |         |       |
| 1,3-Dichlorobenzene              | <5.0   | 5.0             | ug/l   | 02/17/06 00:00 | "        | EPA 624 | CY      |       |
| 1,4-Dichlorobenzene              | <5.0   | 5.0             | ug/l   | 02/17/06 00:00 | "        | "       | CY      |       |
| 1,2-Dichlorobenzene              | <5.0   | 5.0             | ug/l   | 02/17/06 00:00 | "        | "       | CY      |       |
| m,p-Xylene                       | <5.0   | 5.0             | ug/l   | 02/17/06 00:00 | "        | "       | CY      |       |
| o-Xylene                         | <5.0   | 5.0             | ug/l   | 02/17/06 00:00 | "        | "       | CY      |       |
| Acrolein                         | <25.0  | 25.0            | ug/l   | 02/17/06 00:00 | "        | "       | CY      |       |
| Acrylonitrile                    | <25.0  | 25.0            | ug/l   | 02/17/06 00:00 | "        | "       | CY      |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 103 %           | 80-120 |                | "        | "       | CY      |       |
| Surrogate: Toluene-d8            |        | 97.8 %          | 88-110 |                | "        | "       | CY      |       |
| Surrogate: Bromofluorobenzene    |        | 101 %           | 86-115 |                | "        | "       | CY      |       |

**Qualifiers:**

LCCV = Continuing Calibration Verification was below acceptance limits. Results may be biased low.

Eastern Laboratory Services. Ltd.

Reviewed by Irene Chu, Laboratory Director

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PA 08380

NY 11216



**Eastern Laboratory Services Ltd**

quality ■ accuracy ■ reliability

## ENVIRONMENTAL

2566 Pennsylvania Ave.

Sayre, PA 18840

Phone (570) 888-0169

FAX (570) 888-0717

## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

**Reported:**  
03/09/06 15:31

**Drywell #2-Parking Lot**  
**6B17091-02 (Waste Water)**

Date Sampled: 02/16/06 13:20  
Date Received: 02/17/06 09:45

| Analyte                   | Result | Detection Limit | Units | Prepared       | Analyzed       | Method  | Analyst | Notes |
|---------------------------|--------|-----------------|-------|----------------|----------------|---------|---------|-------|
| <b>EPA 624 Purgeables</b> |        |                 |       |                |                |         |         |       |
| Dichlorodifluoromethane   | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | 02/17/06 00:00 | EPA 624 | CY      |       |
| Chloromethane             | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Vinyl chloride            | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Bromomethane              | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Chloroethane              | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Trichlorofluoromethane    | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,1-Dichloroethene        | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Methylene chloride        | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| trans-1,2-Dichloroethene  | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,1-Dichloroethane        | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Chloroform                | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,1,1-Trichloroethane     | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Carbon tetrachloride      | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,2-Dichloroethane        | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Trichloroethene           | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,2-Dichloropropane       | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Bromodichloromethane      | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 2-Chloroethylvinyl ether  | <10.0  | 10.0            | ug/l  | 02/17/06 00:00 | "              | "       | CY      | LCCV  |
| cis-1,3-Dichloropropene   | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| trans-1,3-Dichloropropene | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,1,2-Trichloroethane     | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Tetrachloroethene         | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Dibromochloromethane      | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Bromoform                 | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| 1,1,2,2-Tetrachloroethane | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Benzene                   | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Toluene                   | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Chlorobenzene             | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |
| Ethylbenzene              | <5.0   | 5.0             | ug/l  | 02/17/06 00:00 | "              | "       | CY      |       |

Eastern Laboratory Services, Ltd.

*Irene Chu*

*u*

Reviewed by Irene Chu, Laboratory Director

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## ENVIRONMENTAL

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Sayre, PA 18840

Phone (570) 888-0169

FAX (570) 888-0717

## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

Reported:  
03/09/06 15:31

Drywell #2-Parking Lot  
6B17091-02 (Waste Water)

Date Sampled: 02/16/06 13:20  
Date Received: 02/17/06 09:45

| Analyte                          | Result | Detection Limit | Units  | Prepared       | Analyzed | Method  | Analyst | Notes |
|----------------------------------|--------|-----------------|--------|----------------|----------|---------|---------|-------|
| <b>EPA 624 Purgeables</b>        |        |                 |        |                |          |         |         |       |
| 1,3-Dichlorobenzene              | <5.0   | 5.0             | ug/l   | 02/17/06 00:00 | "        | EPA 624 | CY      |       |
| 1,4-Dichlorobenzene              | <5.0   | 5.0             | ug/l   | 02/17/06 00:00 | "        | "       | CY      |       |
| 1,2-Dichlorobenzene              | <5.0   | 5.0             | ug/l   | 02/17/06 00:00 | "        | "       | CY      |       |
| m,p-Xylene                       | <5.0   | 5.0             | ug/l   | 02/17/06 00:00 | "        | "       | CY      |       |
| o-Xylene                         | <5.0   | 5.0             | ug/l   | 02/17/06 00:00 | "        | "       | CY      |       |
| Acrolein                         | <25.0  | 25.0            | ug/l   | 02/17/06 00:00 | "        | "       | CY      |       |
| Acrylonitrile                    | <25.0  | 25.0            | ug/l   | 02/17/06 00:00 | "        | "       | CY      |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 107 %           | 80-120 |                | "        | "       | CY      |       |
| Surrogate: Toluene-d8            |        | 100 %           | 88-110 |                | "        | "       | CY      |       |
| Surrogate: Bromofluorobenzene    |        | 100 %           | 86-115 |                | "        | "       | CY      |       |

### Qualifiers:

LCCV = Continuing Calibration Verification was below acceptance limits. Results may be biased low.

Eastern Laboratory Services, Ltd.

*Irene Chu*

Reviewed by Irene Chu, Laboratory Director

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## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

**Reported:**  
03/09/06 15:31

**Drywell #3-Parking Lot  
6B17091-03 (Composite)**

Date Sampled: 02/16/06 13:30  
Date Received: 02/17/06 09:45

| Analyte   | Result | Detection Limit | Units     | Prepared       | Analyzed       | Method       | Analyst | Notes |
|---|--------|-----------------|-----------|----------------|----------------|--------------|---------|-------|
| <b>SW846/8260B Volatile Organic Compounds</b>     |        |                 |           |                |                |              |         |       |
| 1,2,4-Trichlorobenzene                            | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | SW-846/8260B | CY      |       |
| 1,1,1-Trichloroethane                             | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | "            | CY      |       |
| 1,1,2-Trichloroethane                             | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | "            | CY      |       |
| Trichloroethene                                   | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | "            | CY      |       |
| Trichlorofluoromethane                            | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | "            | CY      |       |
| 1,2,3-Trichloropropane                            | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | "            | CY      |       |
| 1,2,4-Trimethylbenzene                            | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | "            | CY      |       |
| 1,3,5-Trimethylbenzene                            | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | "            | CY      |       |
| Vinyl chloride                                    | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | "            | CY      |       |
| o-Xylene  | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | "            | CY      |       |
| m,p-Xylene  | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | "            | CY      |       |
| Naphthalene                                       | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | "            | CY      |       |
| Methyl tert-butyl ether                           | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | "            | CY      |       |
| 1,1,2,2-Tetrachloroethane                         | <8.50  | 8.50            | ug/kg     | 02/17/06 00:00 | "              | "            | CY      |       |
| Surrogate: 1,2-Dichloroethane-d4                  | 106 %  | 85-112          |           |                | "              | "            | CY      |       |
| Surrogate: Toluene-d8                             | 97.8 % | 89-108          |           |                | "              | "            | CY      |       |
| Surrogate: Bromofluorobenzene                     | 93.0 % | 75-116          |           |                | "              | "            | CY      |       |
| <b>SW846/8270C Semivolatile Organic Compounds</b> |        |                 |           |                |                |              |         |       |
| Pyridine  | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | 03/02/06 00:00 | SW-846/8270C | RJH     | ELVM  |
| N-Nitrosodimethylamine                            | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Bis(2-chloroethyl)ether                           | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| 1,3-Dichlorobenzene                               | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| 1,4-Dichlorobenzene                               | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Benzyl alcohol                                    | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| 1,2-Dichlorobenzene                               | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Bis(2-chloroisopropyl)ether                       | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| N-Nitrosodi-n-propylamine                         | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Hexachloroethane                                  | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |
| Nitrobenzene                                      | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "              | "            | RJH     |       |

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*Irene Chu*

Reviewed by Irene Chu, Laboratory Director

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## ENVIRONMENTAL

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FAX (570) 888-0717

## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway  
Project No: [none]  
Project Manager: Dave Teeter

Reported:  
03/09/06 15:31

**Drywell #3-Parking Lot**  
**6B17091-03 (Composite)**

Date Sampled: 02/16/06 13:30  
Date Received: 02/17/06 09:45

| Analyte   | Result | Detection Limit | Units     | Prepared       | Analyzed | Method       | Analyst | Notes |
|---|--------|-----------------|-----------|----------------|----------|--------------|---------|-------|
| <b>SW846/8270C Semivolatile Organic Compounds</b> |        |                 |           |                |          |              |         | ELVM  |
| Isophorone  | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | SW-846/8270C | RJH     |       |
| Bis(2-chloroethoxy)methane                        | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| 1,2,4-Trichlorobenzene                            | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Naphthalene                                       | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Hexachlorobutadiene                               | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| 2-Methylnaphthalene                               | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Hexachlorocyclopentadiene                         | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     | LCCV  |
| 2-Chloronaphthalene                               | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Dimethyl phthalate                                | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Acenaphthylene                                    | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| 2,6-Dinitrotoluene                                | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Acenaphthene                                      | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Dibenzofuran                                      | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| 2,4-Dinitrotoluene                                | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Diethyl phthalate                                 | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Fluorene  | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| 4-Chlorophenyl phenyl ether                       | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| N-Nitrosodiphenylamine                            | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Azobenzene  | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| 4-Bromophenyl phenyl ether                        | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Hexachlorobenzene                                 | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Phenanthrene                                      | 12100  | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Anthracene  | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Carbazole   | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Di-n-butyl phthalate                              | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Fluoranthene                                      | 27200  | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     |       |
| Benzidine   | <25000 | 25000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     | LCCV  |
| Pyrene  | 17800  | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     | LCCV  |
| Butyl benzyl phthalate                            | <10000 | 10000           | ug/kg dry | 02/23/06 00:00 | "        | "            | RJH     | LCCV  |

Eastern Laboratory Services, Ltd.

*Irene Chu*

Reviewed by Irene Chu, Laboratory Director

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## ENVIRONMENTAL

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## Certificate of Analysis

Teeter Environmental  
RD#1, Box 124B, Macafee Road  
Sayre PA, 18840

Project: 124 Victory Highway-Subsurface Inv.  
Project No: [none]  
Project Manager: Dave Teeter

Reported:  
03/03/06 16:15

**Under Flatbed Truck**  
**6B17090-01 (Composite)**

Date Sampled: 02/16/06 13:50  
Date Received: 02/17/06 09:45

| Analyte   | Result | Detection Limit | Units | Prepared | Analyzed | Method       | Analyst | Notes |
|---|--------|-----------------|-------|----------|----------|--------------|---------|-------|
| <b>SW846/8270C Semivolatile Organic Compounds</b> |        |                 |       |          |          |              |         | ELVM  |
| Surrogate: Nitrobenzene-d5                        | 100 %  | 42-118          |       |          | "        | SW-846/8270C | RJH     |       |
| Surrogate: 2-Fluorobiphenyl                       | 105 %  | 28-125          |       |          | "        | "            | RJH     |       |
| Surrogate: p-Terphenyl-d14                        | 97.3 % | 47-121          |       |          | "        | "            | RJH     |       |

### Qualifiers:

- AA = CCV recovery low; LFB recovery acceptable.  
ELVM = Elevated reporting limit due to matrix interference.  
LLFB = LFB % Recovery below acceptance limits. The result may be biased low.

Eastern Laboratory Services, Ltd.

*Irene Chu*

*zh*

Reviewed by Irene Chu, Laboratory Director

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