GEOMATRIX

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Phase II Environmental Site Assessment Report Niagara Mohawk Electric Building and Oak Street Parking Lot

Buffalo, New York

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1.0 INTRODUCTION

Geomatrix Consultants, Inc. (Geomatrix) was retained by Niagara Mohawk, a National Grid Company (Niagara Mohawk) to conduct a Phase II Environmental Site Assessment (ESA) at locations associated with the Niagara Mohawk Electric Building property located at 535 Washington Street in downtown Buffalo, New York.

The Phase II ESA was actually performed in the parking area of the Electric Building, immediately north of the Huron Street entrance and at a satellite parking lot located at Huron and Oak Street (Oak Street parking lot). The Electric Building and the Oak Street parking lot are shown on Figure 1.

2.0 SITE LOCATION AND FACILITY DESCRIPTION

Niagara Mohawk requested Geomatrix to assess the historical use of the two properties. An EDR data search was performed for each Site. The search involved the review of historical fire insurance maps (Sanborn maps) for both the area near the Electric Building and the Oak Street parking lot. Results of the EDR data search are summarized in a memo to Niagara Mohawk, dated June 17, 2002 (Appendix A). The 1925 Sanborn map identified a filling station at the Oak Street parking lot. The drawing did not specify if underground or above ground fuel storage tanks were present. Tank closure records for the Site are not in State agency or Niagara Mohawk files.

Site drawings supplied to Geomatrix by Niagara Mohawk indicate the historic presence of a 540-gallon kerosene tank, a 2,000-gallon tank (presumed to be diesel), and a 10,000 gallon #6 fuel oil (heating oil) tank located near the parking area southeast of the Electric Building. Each of the underground storage tanks (USTs) were removed in the early 1990s, however, adequate documentation of tank closure and soil conditions is not available.

The former tank locations at the Electric Building are now used for employee parking. The entire property at the Oak Street lot is used for parking of employee and Niagara Mohawk service vehicles.

3.0 WORK PERFORMED

Geomatrix prepared an initial Site Sampling Plan (SSP) for the Phase II ESA, dated July 3, 2002. The SSP described subsurface soil characterization at three former UST locations at the Electric Building and an assessment of the potential presence of USTs at the Oak Street parking lot. Tasks associated with this work included:

1. Performing a geophysical survey in the northeast portion of the Oak Street parking lot in the vicinity of the former filling station;
2. Test pit excavation at the Oak Street parking lot to identify the cause of geophysical anomalies suggestive of USTs; and
3. Soil sample collection from soil borings advanced at the Electric Building and Oak Street parking lot to characterize soil conditions.

Based on the finding of the initial SSP, additional investigation was performed to assess the presence of buried drums encountered at the Oak Street parking lot and an area of petroleum impacted soil identified at the Electric Building. The proposed activities were documented in the Supplemental SSP dated August 31, 2002. Tasks associated with this work included:

1. Completing a geophysical survey across the remainder of the Oak Street parking lot;
2. Excavation of additional test pits at the Oak Street parking lot to identify geophysical anomalies suggestive of buried drums and/or USTs; and
3. Groundwater quality and flow assessment at the Electric Building.

Field investigations were performed in accordance with the project-specific Health and Safety Plan (HSP). Site plans that show sample locations for the Electric Building and Oak Street parking lot are shown in Figure 2 through 5. A description of the investigations follows:

3.1 GEOPHYSICAL SURVEY

The initial geophysical survey was performed in the northeast portion of the Oak Street parking lot on July 8, 2002. The portion of the lot in the vicinity of the former filling station was closed while maintaining Niagara Mohawk employee access to the remainder of the lot. Geophysical data were collected with the Geonics EM61 along survey lines spaced 3 feet apart. The EM61 data are presented in Figure 4. The color bar to the right of the map indicates the colors associated with the respective measured values. Areas suspected to be free of buried metals are shown as color shades of blue. All areas exhibiting a response greater than background (0 to 20 mVolts) likely contain buried metals. These areas are depicted in shades of light blue through

purple on the figure. A total of six anomalies were identified during the initial survey (labeled A through F on Figure 4).

The second phase of the geophysical survey at the Oak Street parking lot was performed on August 14, 2002. The initial grid was expanded 160-feet south and 40-feet west to encompass the remainder of the parking lot to further explore for additional anomalies that may be indicative of buried drums or other features of environmental significance. All vehicles were removed from the lot with the exception of 16 fleet cars, which were parked along the fence bounding the extreme west side of the site. The survey identified seven anomalous areas that were similar to anomalies previously shown to indicate the presence of buried drums. The anomalies are labeled on Figure 4 as anomalies G through J. An anomalous area K was segregated into areas K1 through K3.

The results of the geophysical survey assisted in targeting areas for intrusive investigation at the Oak Street parking lot.

3.2 Test Pit Excavation at the Oak Street Lot

Test pits were excavated at five locations at the Oak Street parking lot on July 17, 2002 to investigate the geophysical anomalies described above. Test pit excavation allows for continuous observation of the subsurface soil, from a large cross-section, and thereby increases the probability of encountering isolated anomalies. Test pit locations are labeled TP-1 through TP-5 on Figure 5. A buried drum was found at anomaly location B and D (see Section 4 for a description) and prompted further geophysical investigation and additional test pit excavation on August 14 and 28, 2002, respectively. Test pit locations are shown on Figure 5.

Test pits were excavated to a maximum of four feet below ground surface in accordance with Niagara Mohawk and Geomatrix FOPs. Excavation soils were screened for volatile organic compounds (VOCs) using a photoionization detector (PID). A qualified Geomatrix hydrogeologist logged each test pit. Observations include the physical dimension of the pit, a sketch of one wall of the pit showing lithologic contacts, zones of seepage, and other observations. Materials excavated from the test pit were returned to the excavation, tamped in-place with the backhoe, and covered with the original asphalt material.

Soil samples collected from test pits with a drum containing liquid, exhibiting odors, staining, elevated PID readings, or other evidence of suspected chemical impact were selected for

laboratory analysis. Soil samples were collected using stainless steel sampling equipment in accordance with Niagara Mohawk and Geomatrix FOPs.

The test pit soil sample collected on July 17, 2002 (TP-4A) was submitted under chain-of-custody procedures to Life Science Laboratories and analyzed for TCL VOCs by EPA Method 8260 and STARS SVOCs by EPA Method 8270B. The samples collected on August 28, 2002 (TP-G, TP-I, TP-K3) were submitted to Paradigm Analytical Laboratories (with an expedited turnaround time of five days) for Target Compound List (TCL) VOCs by EPA Method 8260B, TCL SVOCs by EPA Method 8270, and polychlorinated biphenyls (PCBs) by EPA Method 8082. Test pit logs are provided in Appendix B.

3.3 SOIL BORINGS/SAMPLE COLLECTION AND ANALYSIS

Soil borings were advanced in areas of the former tank locations (Electric Building) and the area surrounding the location of the former filling station at the Oak Street parking lot. SLC Environmental of Lockport, New York (SLC) was contracted to advance soil borings using Geoprobe direct push techniques with Geomatrix oversight. Each boring extended a minimum of 5 feet below the water table. Each boring was screened for VOCs using a PID, examined for staining, and characterized for soil type and moisture conditions by a qualified Geomatrix hydrogeologist. Boring logs and observations are provided in Appendix B.

Electric Building: A total of eleven soil borings (B-1 through B-11) were advanced on July 10, 2002 at the Electric Building as shown on Figure 2. Soil samples collected from seven of the borings (B-1, B-2, B-3, B-4, B-8, B-9, and B-11) were selected for laboratory analysis. Soil samples collected from borings that were not submitted for chemical analysis (B-5, B-6, B-7, and B-10) were qualitatively assessed for chemical presence using field-screening techniques previously described. A blind duplicate was collected from the B-3 soil boring for laboratory quality control.

Oak Street Parking Lot: A total of seven soil borings (OLB-1 through OLB-7) were advanced on July 17, 2002 at the Oak Street parking lot as shown on Figure 5. Soil samples were collected from the native soil (samples OLB-1, OLB-2, OLB-3, OLB-4, OLB-5, OLB-6, and OLB-7) and fill material (samples OLB-4A and OLB-7A) and submitted for laboratory analysis.

Criteria for sample selection involved examining the soil and submitting samples that exhibited odors, staining, and/or PID evidence of chemical impact. At locations where no evidence of

impact was observed, samples were collected directly above the saturated zone. Soil samples were collected using stainless steel sampling equipment in accordance with Niagara Mohawk and Geomatrix field operating procedures (FOPs). A field duplicate sample was collected to evaluate analytical precision. Analytical accuracy was evaluated with laboratory batch matrix spike and matrix spike duplicate.

Samples were submitted under chain-of-custody procedures to Life Science Laboratories, Inc. (Life Science) for Spill Technology And Remediation Series (STARS) VOCs by EPA Method 8021 and STARS Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270B. Chain-of-custody forms are provided in Appendix C.

3.4 GROUNDWATER INVESTIGATION

A total of three groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed at the Electric Building on August 28, 2002 to assess groundwater quality in the vicinity of the former UST locations as shown on Figure 2. SLC was contracted to advance boreholes using direct push Geoprobe techniques to a depth of five feet into the saturated zone or to refusal. As with the borings, a qualified Geomatrix hydrogeologist characterized soil retrieved at each boring. At the completion of the boring, a one-inch diameter PVC well with a 5-foot well screen was installed flush with the ground surface in accordance with Niagara Mohawk and Geomatrix FOPs. During well development, groundwater recharge rates were very slow. Monitoring well installation logs are included in Appendix B. A Niagara Mohawk survey crew established the reference elevation for each well.

The groundwater monitoring wells were sampled on August 30, 2002 using dedicated and disposable bailers. Prior to sampling, the groundwater elevations were measured and each well was checked for the presence of light non-aqueous phase liquid (LNAPL). Water level data are included in Appendix B. Field parameters were measured at the beginning of the sample collection and at the end of sample collection. Field measured parameters included pH, specific conductivity, temperature, and turbidity.

Groundwater samples were submitted under chain-of-custody procedures to Paradigm Analytical in Rochester, New York who provided an expedited turnaround time of five days. The samples were analyzed for STARS VOCs by EPA Method 8021 and STARS SVOCs by EPA Method 8270B. To satisfy quality control/quality assurance, a laboratory provided trip blank was analyzed for VOCs. In addition, a field duplicate sample was collected from MW-1

to evaluate analytical precision. Analytical accuracy was evaluated with a laboratory batch matrix spike and matrix spike duplicate.

4.0 RESULTS

Soil boring and test pits logs presenting field observations are included in Appendix B. Laboratory analytical data reports are included in Appendix C. Assessments of laboratory QC data indicate that the analytical data are acceptable. However, it is important to note that analytical results presented in Table 4 for sample OLB-4A are the duplicate sample results. The presence of acetone at elevated levels (a common laboratory contaminant) and the inconsistency with other samples collected from the same depth suggests that the laboratory inaccurately reported the results for the original sample OLB-4A. The data inaccuracy does not substantially impact conclusions derived from the laboratory data.

Table 1 and 2 present summaries of analytical results for subsurface soil and groundwater samples collected at the Electric Building, respectively. Table 3 and 4 present a summary of analytical results for subsurface soil samples collected from the Oak Street parking lot. The results are discussed for each area below. The measured concentrations in soil are compared to the NYSDEC Technical and Administrative Guidance (TAGM) #4046 Soil Cleanup Objectives for initial screening purposes.

4.1 ELECTRIC BUILDING

4.1.1 Soil

Soil borings advanced at the Electric Building identified a one to four foot thick layer of sandy fill overlying native soil consisting of clayey silt and fine sand. Several borings (B-1, B-2, B-3, B-5, B-6, and B-8) encountered silty sand and limestone gravel used as backfill for tank excavations above native soil. The saturated zone was generally encountered six to eight feet below ground surface. Bedrock was not encountered although direct-push sampler refusal occurred frequently between depths of 10 to 15 feet. Petroleum-type odors and elevated readings measured on the photoionization detector (PID) were identified in soil samples obtained from borings B-1, B-2, and B-11. These borings are located near the former 10,000-gallon oil tank. Also, the sample collected from boring B-3, located near the former 540-gallon oil tank, exhibited petroleum-type odor. Observations of impact were primarily noted at and within the capillary fringe (top of the saturated zone). Maximum odors and PID readings generally occurred at a depth of six to eight feet below grade. Samples having suspected petroleum impacts were submitted for chemical analysis. Analytical results identified several volatile organic compounds and semi-volatile organic compounds (polynuclear aromatic hydrocarbons) at concentrations above the TAGM #4046 Soil Cleanup Objectives (soil

screening criteria). A summary of compounds detected above soil screening criteria and the associated boring(s) include:

- 1,3,5-Trimethylbenzene (B-2, B-11)
- Xylenes (Total) (B-2)
- Benzo(a) anthracene (B-3)
- Benzo(a) pyrene (B-3)
- Chrysene (B-3)

PAH detection limits were elevated in samples collected near the former 10,000-gallon tank location indicating the presence of long-chained hydrocarbons in the sample. The laboratory reported a gas chromatograph pattern resembling Fuel Oil #2. Boring B-10 was advanced and sampled approximately 10 feet east of boring B-2 (boring with petroleum impact). No petroleum odors or elevated PID readings indicating petroleum presence was noted at the B-10 location.

Other than soil samples collected from soil boring B-3, borings in the vicinity of the other two former tank locations did not indicate petroleum presence during soil sample collection nor were chemical concentrations above soil screening criteria.

These data indicate that a limited volume of petroleum-impacted soil remains in the vicinity of the former 10,000-gallon tank location.

4.1.2 Groundwater

To establish whether the limited volume of petroleum-impacted soil remaining in the vicinity of the Electric Building has impacted Site groundwater, groundwater samples were collected and analyzed from each of the three monitoring wells. The monitoring well locations are oriented such that groundwater quality upgradient and downgradient of the former tank locations can be assessed. Prior to purging and sampling, water levels were measured at each monitoring well location to determine the groundwater elevation at the monitoring well locations. Figure 3 shows groundwater elevation at each monitoring well location and the groundwater flow direction established using the triangulation of hydraulic gradients between monitoring wells. Based on this information, groundwater samples collected from monitoring wells MW-2 and MW-3 are downgradient from the historic tank locations. Samples collected from MW-1, represent water quality upgradient from the former tank locations. During purging and sampling, observations of petroleum odor and sheen were made. No odors or phase-separated liquids were observed. Analytical results summarized in Table 2 indicate that

petroleum chemical constituents are not present at detectable concentrations in Site groundwater. The lack of detectable petroleum chemical constituents in groundwater suggests that residual petroleum impact observed in soil near the capillary fringe is not substantially affecting groundwater quality.

4.2 OAK STREET LOT

Test pits and soil borings revealed that the parking lot consists of approximately two to four feet of heterogeneous fill material overlying sandy silt native soil. The fill consists of an approximately one foot thick layer of asphalt and binder material and one to three feet of granular fill material. The fill material consists generally of: sand, silt, gravel, with construction and demolition (C&D) debris, slag, and glass.

Test pits were excavated at geophysical anomaly locations to identify the cause of the anomaly (Figure 5). None of the anomalies in the northeastern portion of the lot located near the former filling station were related to underground storage tanks. Test pits excavated at anomaly locations identified the following:

- Anomaly A – Reinforced concrete slab
- Anomaly B – Partially decomposed steel drum with sludge-like liquids with a strong petroleum odor
- Anomaly C and F – Reinforced concrete foundation
- Anomaly D – Steel drum filled with sand/fill (no liquids)
- Anomaly E – Miscellaneous metal debris (sheet metal, springs, wire, etc.)

The steel drum located at Anomaly B contained approximately 1 to 2 gallons of a viscous, black liquid having a petroleum-type odor. The drum was removed and placed in a D.O.T.-approved 55-gallon drum using the bucket of the backhoe. Less than one yard of soil impacted with petroleum liquid that spilled from the drum during removal was excavated and placed in a second drum. Both drums containing excavated material were labeled and staged on-Site for off-site disposal by Niagara Mohawk. A soil sample was collected from the drum and analyzed for VOCs, SVOCs, PCBs and, ignitability for disposal characterization. Results are summarized in Table 3. The results indicate the presence of low concentrations of petroleum chemical constituents and trace level PCB concentrations. Based on these data, the soil would be considered non-hazardous. A soil sample was collected from the bottom of the excavation

after drum and soil removal (sample TP-4A). Results are summarized in Table 4. Four polyaromatic hydrocarbon compounds (PAHs) were detected in the sample above TAGM soil screening criteria. The laboratory reported a gas chromatograph pattern resembling kerosene and lubricating oil. Other chemical constituents and concentrations detected in the sample are similar to those detected in other samples collected from fill material at the Oak Street parking lot.

Test pit excavations at geophysical anomaly locations in the remainder of the parking lot identified the following:

- Anomaly G – Decomposed drum remnants and miscellaneous metal
- Anomaly H – Wire mesh and sheet metal
- Anomaly I – Decomposed drum remnants and miscellaneous metal
- Anomaly J – Galvanized metal garbage container
- Anomaly K1 and K2 – Metal pipes
- Anomaly K3 – Decomposed drum remnants and miscellaneous metal

Samples collected from fill material, OLB-7A, TP-K-3, TP-G, TP-I and TP-4A contained PAHs at concentrations above TAGM soil criteria. The highest concentrations of PAHs were detected in the sample collected from TP-K3. Individual PAH compounds exceed individual compound TAGM criteria of 50 part per million (ppm) and total PAH concentrations above 500 ppm. PAH concentrations in other test pit samples are well below these levels. Asphaltic roofing shingles coated with pitch were among the C&D debris present in the test pit and likely influence the elevated PAH levels detected in samples collected from the test pit. However, the PAH concentrations detected in all samples collected from the Site are within the range of concentrations that is considered to be protective of groundwater based on the large partition coefficients and low solubility of PAH compounds. This is supported by the lack of chemical constituents detected in samples collected from the native soil (OLB-1, OLB-2, OLB-3, OLB-4A, OLB-5, OLB-6, and OLB-7) at or below the water table. PCBs were detected (1.3 mg/kg) in the soil containerized in the drum for off-site disposal. PCBs were not detected in samples collected from test pits.

5.0 CONCLUSIONS

The conclusions of the Phase II ESA conducted at the Electric Building and Oak Street parking lot are as follows:

Electric Building

1. Petroleum impacted soil exists in a localized area approximately 7 feet below ground surface in the vicinity of the former 10,000-gallon oil tank.

2. The presence of petroleum in the soil has not substantially affected groundwater quality downgradient from the former tank locations.

3. Little, if any transport, of chemicals away from the former tank area is occurring based on the localized nature of petroleum impact in soil and the absence of chemical constituents in groundwater.

4. A migration pathway via volatilization is considered minor based on the constituent concentrations present in the soil. Potential indoor air risk is considered negligible for a volatilization migration pathway.

Oak Street Parking Lot

1. The ESA did not identify the presence of USTs at the Oak Street lot.

2. Several decomposed drums were identified using geophysical techniques and only one was found to contain petroleum liquids. The drum and impacted soil were removed.

3. The fill below the asphalt pavement of the Oak Street parking lot contains PAHs above TAGM soil criteria.

4. The relatively large partition coefficient and low solubility of PAH compounds and lack of chemical constituents in native soil at or below the water table, suggest that groundwater quality has not been substantially impacted.

5. The asphalt pavement covering the fill material eliminates potential exposure to PAHs in the fill and pose negligible concern with respect to environmental or human health impact under current property usage.

Tables

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TABLE 1

ANALYTICAL SUMMARY FOR SUBSURFACE SOIL SAMPLES

Niagara Mohawk Electric Building
Niagara Mohawk, A National Grid Company

Constituent	Guidance Value[2]	Sample Location, Depth, and Date Collected[1]							
		B-1 7-8' bgs 7/10/02	B-2 7-8' bgs 7/10/02	B-3 5-6' bgs 7/10/02	B-4 7-8' bgs 7/10/02	B-8 7-8' bgs 7/10/02	B-9 8-9.5' bgs 7/10/02	B-11 4-7 fbgs 7/10/02	DUP-1[3] 5-6' bgs 7/10/02
NYSDEC STARS 8021 Volatiles, micrograms per kilograms									
n-Butylbenzene	18,000	240	1700	<6	<6	<6	<6	<600	<6
sec-Butylbenzene	25,000	210	1600	<6	<6	<6	<6	2500	<6
Ethyl benzene	5,500	42	<300	<6	<6	<6	<6	<600	<6
Isopropylbenzene (Cumene)	5,000	56	340	<6	<6	<6	<6	670	<6
4-Isopropyl toluene (Cymene)	11,000	300	2600	<6	<6	<6	<6	2800	<6
Naphthalene	13,000	660	4900	<6	<6	<6	<6	4200	<6
N-Propylbenzene	14,000	88	470	<6	<6	<6	<6	1800	<6
1,2,4-Trimethylbenzene	13,000	1200	12000	<6	<6	<6	<6	8800	<6
1,3,5-Trimethylbenzene	3,300	870	7100	<6	<6	<6	<6	37000	<6
Xylenes (Total)	1,200	340	2400	<6	<6	<6	<6	<600	<6
NYSDEC STARS 8270 Base/Neutrals, micrograms per kilogram									
Benzo(a)anthracene	224 or MDL	<1000	<1000	450	<200	<200	<200	<1000	350
Benzo(b)fluoranthene	1,100	<1000	<1000	510	<200	<200	<200	<1000	360
Benzo(a)pyrene	61 or MDL	<1000	<1000	370	<200	<200	<200	<1000	280
Chrysene	400	<1000	<1000	420	<200	<200	<200	<1000	330
Fluoranthene	50,000	<1000	<1000	780	<200	<200	<200	<1000	640
Indeno(1,2,3-c,d)pyrene	3,200	<1000	<1000	220	<200	<200	<200	<1000	200
Phenanthrene	50,000	<1000	10000	530	<200	<200	<200	1800	450
Pyrene	50,000	<1000	<1000	650	<200	<200	<200	<1000	480

1. See Figure 2 for sample locations.
2. Guidance values from New York State Department of Environmental Conservation, Division of Technical and Administrative Guidance Memorandum. (TAGM #4046) Determination of Soil Cleanup Objectives and Cleanup Levels, January 1994.
3. Duplicate sample of B-3

fbgs = feet below ground surface
STARS = Spills Technology And Remediation Series
MDLs = Method Detection Limits

-- = guidance value does not exist.
< = compound was not detected at or above the listed detection limit.
shading indicates concentration above the guidance value

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TABLE 2

ANALYTICAL SUMMARY FOR GROUNDWATER SAMPLES

Niagara Mohawk Electric Building
Niagara Mohawk, A National Grid Company

Constituent	Guidance Value[2]	Sample Location and date collected[1]		
		MW-1 8/30/02	MW-2 8/30/02	MW-3 8/30/02
EPA 8260B STARS Volatiles, micrograms per liter				
Benzene	1	<0.7	<0.7	<0.7
n-Butylbenzene	5	<2	<2	<2
sec-Butylbenzene	5	<2	<2	<2
tert-Butylbenzene	--	<2	<2	<2
Ethylbenzene	5	<2	<2	<2
n-Propylbenzene	5	<2	<2	<2
Isopropylbenzene	5	<2	<2	<2
p-Isopropyltoluene	5	<2	<2	<2
Naphthalene	--	<5	<5	<5
Toluene	5	<2	<2	<2
1,2,4-Trimethylbenzene	5	<2	<2	<2
1,3,5-Trimethylbenzene	5	<2	<2	<2
m,p-Xylene	5	<2	<2	<2
o-Xylene	5	<2	<2	<2
Methyl tert-Butyl Ether	10	<2	<2	<2
EPA Method 8270 STARS SVOCs, micrograms per liter				
Acenaphthene	20	<10	<10	<10
Anthracene	50	<10	<10	<10
Benzo(a)anthracene	0.002	<10	<10	<10
Benzo(a)pyrene	0.002	<10	<10	<10
Benzo(b)fluoranthene	0.002	<10	<10	<10
Benzo(g,h,i)perylene	5	<10	<10	<10
Benzo(k)fluoranthene	0.002	<10	<10	<10
Chrysene	0.002	<10	<10	<10
Dibenz(a,h)anthracene	50	<10	<10	<10
Fluoranthene	50	<10	<10	<10
Fluorene	50	<10	<10	<10
Indeno(1,2,3-c,d)pyrene	0.002	<10	<10	<10
Naphthalene	10	<10	<10	<10
Phenanthrene	50	<10	<10	<10
Pyrene	50	<10	<10	<10

1. See Figure 2 for sample locations.
2. Guidance values from Division of Water Technical and Operational Guidance Series (1.1.1)
   Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations
   Class GA (drinking water source) Standards

VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
-- = guidance value does not exist.
< = compound was not detected at or above the listed detection limit.

TABLE 3

CHARACTERIZATION RESULTS FOR DISPOSAL

Oak Street Parking Lot
Niagara Mohawk, A National Grid Company

Constituent	Sample ID and date collected Containerized Soil 7/17/02
EPA 8260B TCL Volatiles, micrograms per kilograms	
Acetone	<40
Benzene	64
Bromodichloromethane	<20
Bromoform	<20
Bromomethane	<20
2-Butanone	<40
Carbon Disulfide	<20
Carbon Tetrachloride	<20
Chlorobenzene	<20
Chloroethane	<20
Chloroform	<20
Chloromethane	<20
Dibromochloromethane	<20
1,1-Dichloroethane	<20
1,2-Dichloroethane	<20
1,1-Dichloroethene	<20
1,2-Dichloroethene, Total	<20
1,2-Dichloropropane	<20
cis-1,3-Dichloropropene	<20
trans-1,3-Dichloropropene	<20
Ethyl benzene	470
2-Hexanone	<40
Methylene Chloride	<40
4-Methyl-2-pentanone (MIBK)	<40
Styrene	<20
1,1,2,2-Tetrachloroethane	<20
Tetrachloroethene	<20
Toluene	170
1,1,1-Trichloroethane	<20
1,1,2-Trichloroethene	<20
Trichloroethene	<20
Vinyl Chloride	<20
Xylenes (Total)	1400
EPA Method 8270 TCL SVOCs, micrograms per kilogram	
Acenaphthene	<1,000
Acenaphthylene	<1,000
Anthracene	<1,000
Benzo(a)anthracene	1,700
Benzo(b)fluoranthene	2,200
Benzo(k)fluoranthene	<1,000
Benzo(g,h,i)perylene	<1,000

TABLE 3

CHARACTERIZATION RESULTS FOR DISPOSAL

Oak Street Parking Lot
Niagara Mohawk, A National Grid Company

Constituent	Sample ID and date collected Containerized Soil 7/17/02
Benzo(a)pyrene	1,300
4-Bromophenyl-phenylether	<1,000
Butylbenzylphthalate	<1,000
Carbazole	<1,000
4-Chloraniline	<1,000
bis(2-Chloroethoxy)methane	<1,000
bis(2-Chloroethyl)ether	<1,000
bis(2-Chloroisopropyl)ether	<1,000
4-Chloro-3-methylphenol	<1,000
2-Chloronaphthalene	<1,000
2-Chlorophenol	<1,000
4-Chlorophenyl-phenylether	<1,000
Chrysene	2,000
Dibenz(a,h)anthracene	<1,000
Dibenzofuran	<1,000
Di-n-butylphthalate	<1,000
1,2-Dichlorobenzene	<1,000
1,3-Dichlorobenzene	<1,000
1,4-Dichlorobenzene	<1,000
3,3'-Dichlorobenzidine	<2,000
2,4-Dichlorophenol	<1,000
Diethylphthalate	<1,000
2,4-Dimethylphenol	<1,000
Dimethylphthalate	<1,000
2,4-Dinitrophenol	<1,000
2,4-Dinitrotoluene	<1,000
2,6-Dinitrotoluene	<1,000
Di-n-octylphthalate	<1,000
bis(2-Ethylhexyl)phthalate	<1,000
Fluoranthene	4,600
Fluorene	<1,000
Hexachlorobenzene	<1,000
Hexachlorobutadiene	<1,000
Hexachlorocyclopentadiene	<1,000
Hexachloroethane	<1,000
Indeno(1,2,3-c,d)pyrene	<1,000
Isophorone	<1,000
2-Methyl-4,6-dinitrophenol	<2,000
2-Methylnaphthalene	2,800
2-Methylphenol (o-Cresol)	<1,000
4-Methylphenol (p-Cresol)	<1,000
Naphthalene	2,300
2-Nitroaniline	<2,000
3-Nitroaniline	<2,000

TABLE 3

CHARACTERIZATION RESULTS FOR DISPOSAL

Oak Street Parking Lot
Niagara Mohawk, A National Grid Company

Constituent	Sample ID and date collected Containerized Soil 7/17/02
4-Nitroaniline	<2,000
Nitrobenzene	<1,000
2-Nitrophenol (o-Nitrophenol)	<1,000
4-Nitrophenol	<1,000
N-Nitrosodiphenylamine	<1,000
N-Nitroso-di-n-propylamine	<1,000
Pentachlorophenol	<2,000
Phenanthrene	3,700
Phenol	<1,000
Pyrene	3,500
1,2,4-Trichlorobenzene	<1,000
2,4,5-Trichlorophenol	<1,000
2,4,6-Trichlorophenol	<1,000
EPA 8082 PCBs, milligrams per kilogram	
Aroclor-1016	<0.2
Aroclor-1221	<0.2
Aroclor-1232	<0.2
Aroclor-1242	<0.2
Aroclor-1248	<0.2
Aroclor-1254	<0.2
Aroclor-1260	1.3
Total PCB Aroclors	1.3
Ignitability, degrees Celsius	>60

fbgs = feet below ground surface
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
< = compound was not detected at or above the listed detection limit.

GEOMATRIX

TABLE 4

ANALYTICAL SUMMARY FOR SUBSURFACE SOIL SAMPLES

Oak Street Parking Lot
Niagara Mohawk, A National Grid Company

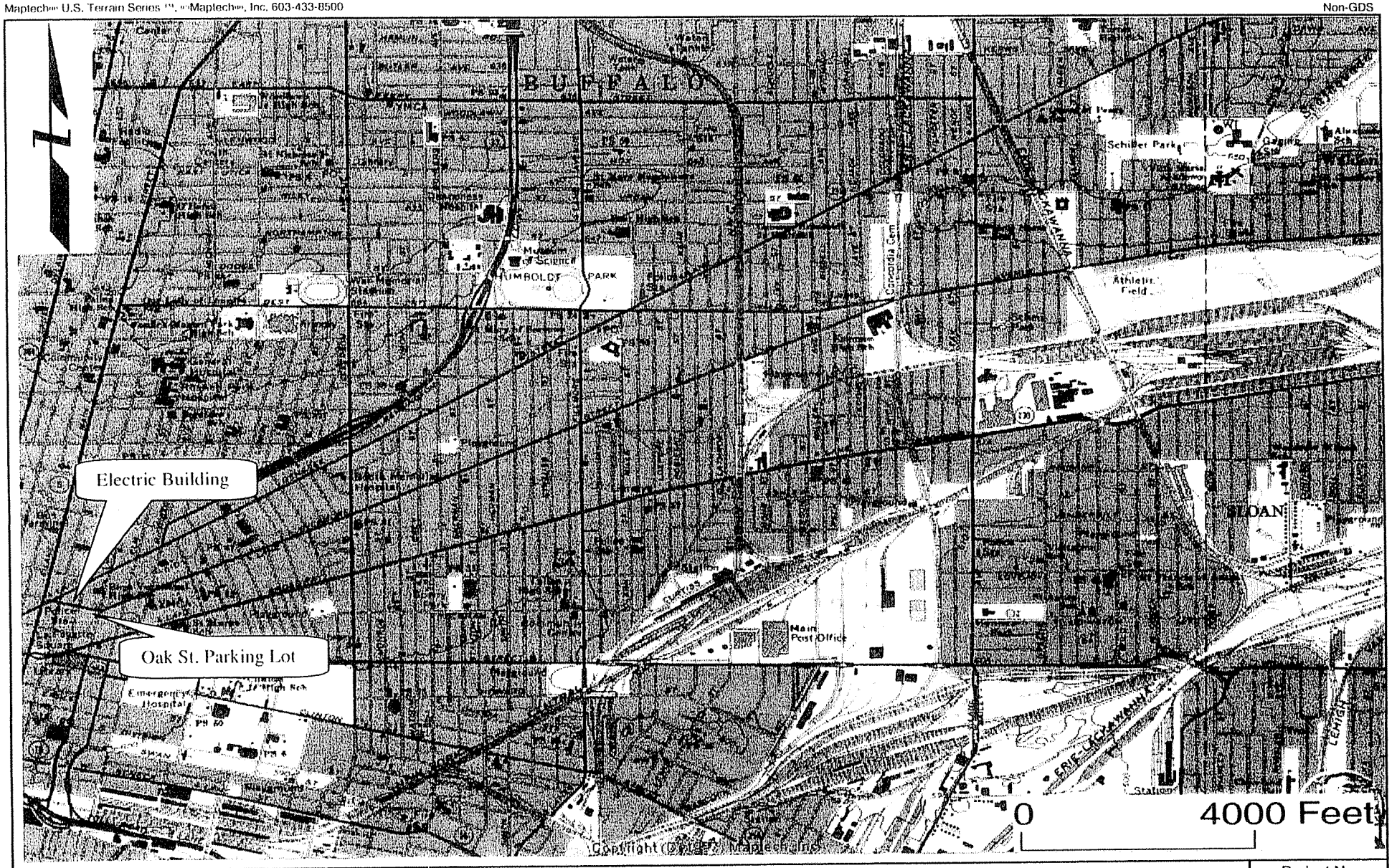
Constituent	Guidance Value[2]	Sample Location, Depth, and Date Collected[1]												
		OLB-1 7-8' bgs 7/17/02	OLB-2 7-8' bgs 7/17/02	OLB-3 7-8' bgs 7/17/02	OLB-4A 7-8' bgs 7/17/02	OLB-4 3-4' bgs 7/17/02	OLB-5 7-8' bgs 7/17/02	OLB-6 7-8' bgs 7/17/02	OLB-7A 1.0-1.5' bgs 7/17/02	OLB-7 7-8' bgs 7/17/02	TP-K3 2.0' bgs 8/28/02	TP-G 2.0' bgs 8/28/02	TP-I 2.5' bgs 8/28/02	TP-4A 3.5' bgs 7/17/02
EPA 8260B VOCs, micrograms per kilograms														
Acetone	200	<10	170	76	<10	<10	<10	<10	<10	<10	<37.1	<63.6	<55.7	<10
Toluene	1,500	<5	<5	<5	<5	<10	<10	<10	<10	<10	<7.41	<12.7	<11.1	5.4
EPA Method 8270 SVOCs, micrograms per kilogram														
Anthracene	50,000	<200	<200	<200	<200	<200	<200	<200	3400	<200	154,000	10,200	6,660	<1,000
Benzo(a)anthracene	224 or MDL	<200	<200	<200	<200	<200	<200	<200	7900	<200	64,600	4,330	3,920	2,000
Benzo(b)fluoranthene	1,100	<200	<200	<200	<200	<200	<200	<200	11000	<200	49,200	<3,800	3,900	2,600
Benzo(k)fluoranthene	1,100	<200	<200	<200	<200	<200	<200	<200	2500	<200	35,000	<3,800	3,240	<1,000
Benzo(g,h,i)perylene	50,000	<200	<200	<200	<200	<200	<200	<200	<2000	<200	31,600	<3,800	<3,200	1,000
Benzo(a)pyrene	61 or MDL	<200	<200	<200	<200	<200	<200	<200	6700	<200	59,100	4,220	4,360	1,700
Chrysene	400	<200	<200	<200	<200	<200	<200	<200	7800	<200	65,000	4,660	5,330	2,200
Fluoranthene	50,000	<200	<200	<200	<200	<200	<200	<200	17000	<200	144,000	10,800	10,800	5,000
Flourene	50,000	<200	<200	<200	<200	<200	<200	<200	<2000	<200	21,300	<3,800	<3,200	<1,000
Indeno(1,2,3-c,d)pyrene	3,200	<200	<200	<200	<200	<200	<200	<200	2300	<200	37,800	<3,800	3,530	1,200
Naphthalene	13,000	na	na	na	na	na	na	na	na	na	23,800	<3,800	<3,200	<1,000
Phenanthrene	50,000	<200	<200	<200	<200	<200	<200	<200	15000	<200	42,300	<3,800	<3,200	3,700
Pyrene	50,000	<200	<200	<200	<200	<200	<200	<200	14000	<200	131,000	9,990	10,300	3,900
EPA 8082 PCBs, milligrams per kilogram														
Total PCB Aroclors	1/10[4]	na	na	na	na	na	na	na	na	na	<0.468	<0.495	<0.551	na

1. See Figure 5 for sample locations
2. Guidance values from New York State Department of Environmental Conservation, Division of Technical and Administrative Guidance Memorandum (TAGM #4046) Determination of Soil Cleanup Objectives and Cleanup Levels, January 1994.
3. Sample TP-4A was analyzed for the Target Compound List SVOCs.
4. PCB soil critiera 1/10 refers to 1 ppm in surface soil/10 ppm in subsurface soil.

VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
PCBs = Poly-Chlorinated Biphenyls
bgs = below ground surface
MDLs = Method Detection Limits

< = compound was not detected at or above the listed detection limit.
na = not analyzed
shading indicates concentration above guidance value.

Non-GDS

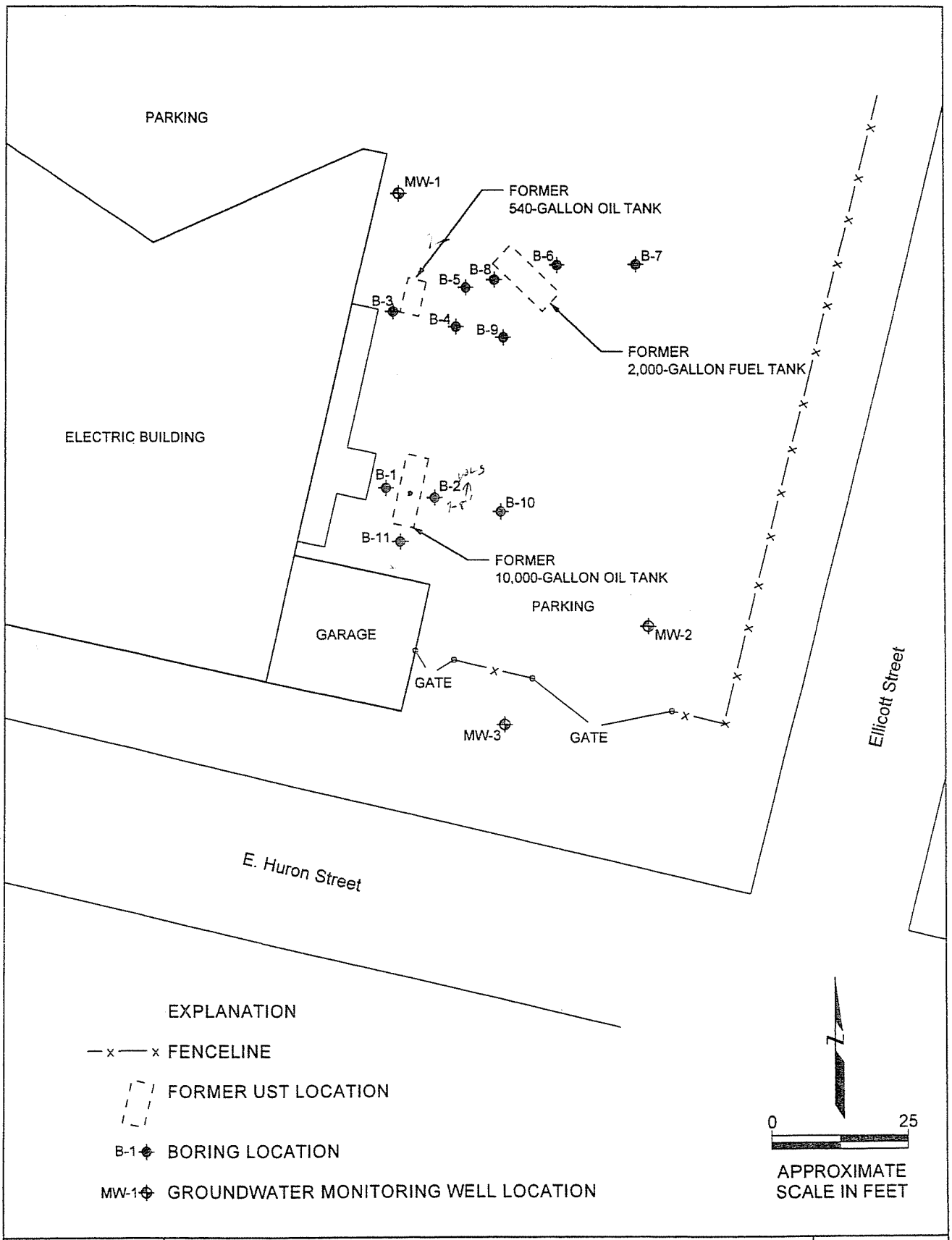


GEOMATRIX

ELECTRIC BUILDING AND OAK STREET PARKING LOT
Niagara Mohawk, A National Grid Company
Buffalo, New York

Project No.
7193 B

Figure
1



19-SEP-2002 11:45 ishkolnikova
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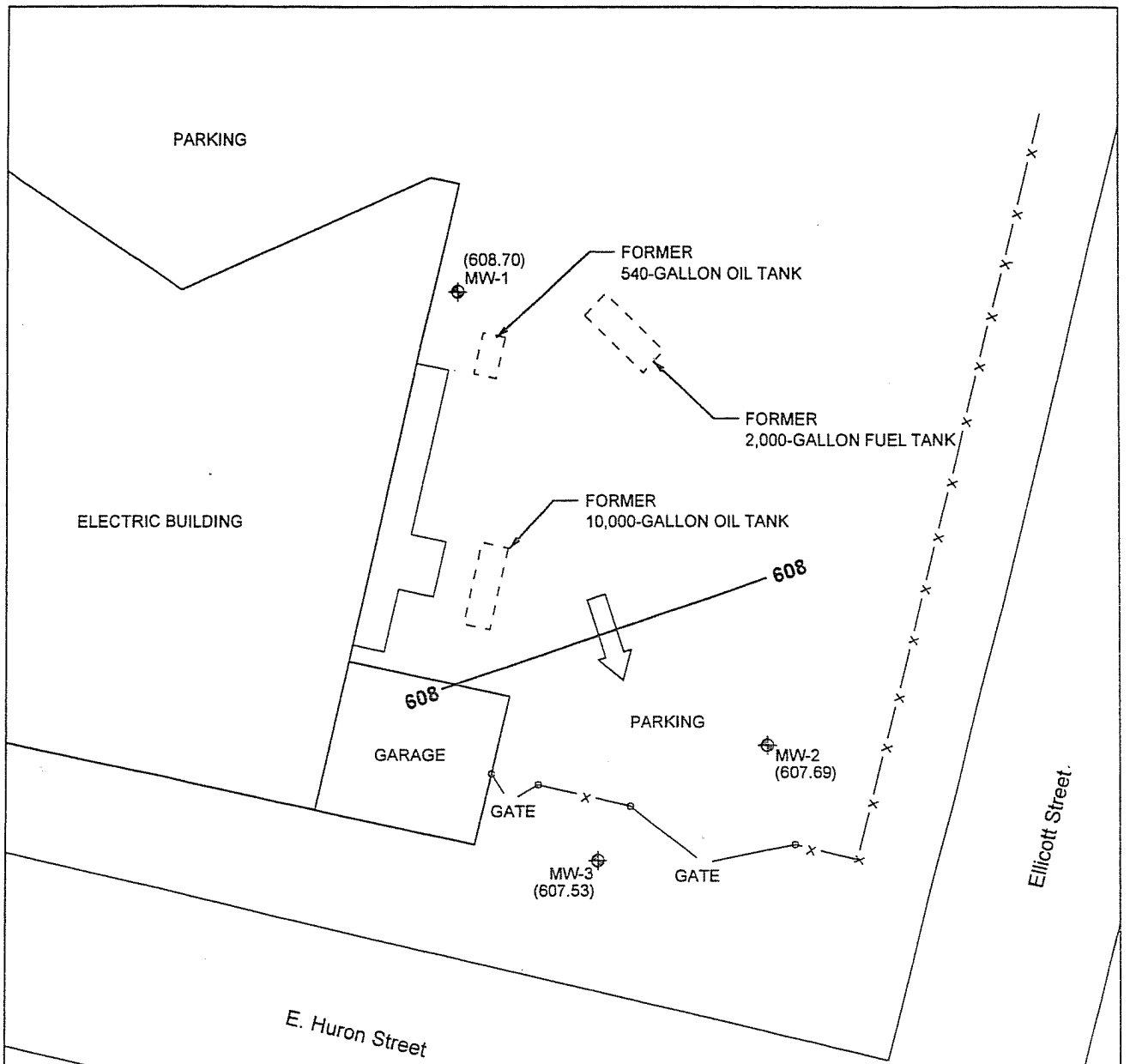
MAP_WT4X.pen
CHECKED:

GEOMATRIX

SITE PLAN AND SAMPLING LOCATIONS
Niagara Mohawk
535 Washington Street
Buffalo, New York

Project No.
7193

Figure
2



EXPLANATION

— x — x FENCELINE

FORMER UST LOCATION

GROUNDWATER FLOW DIRECTION

608 GROUNDWATER ELEVATION CONTOUR

MW-1 GROUNDWATER MONITORING WELL LOCATION

(608.70) GROUNDWATER ELEVATION ON AUGUST 30, 2002

N

0 25

APPROXIMATE
SCALE IN FEET

19-SEP-2002 11:44 ishkolnikova
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\\SFPRNT2\Splash Hold Job-Name\MAP_WT4X.ctb
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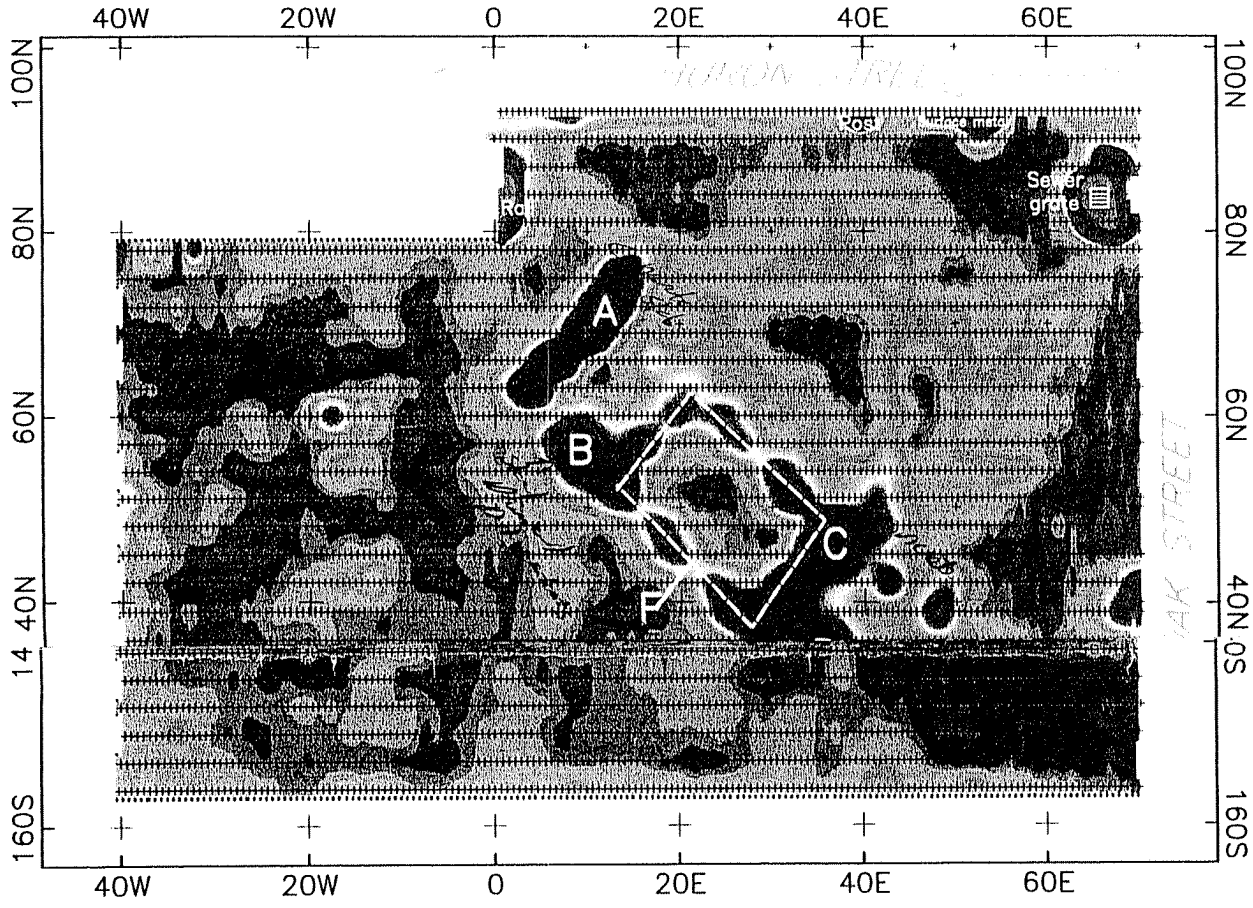
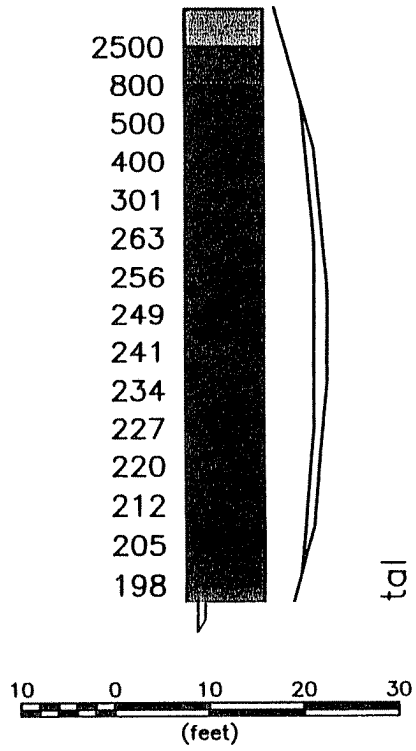
GEOMATRIX

GROUNDWATER FLOW DIRECTION
Niagara Mohawk
535 Washington Street
Buffalo, New York

Project No.
7193

Figure
3





A — Geophysical anomaly discussed in report

Geophysical measurement point and line location, 3 ft line spacing, 0.6 ft measurement spacing.

Figure 4

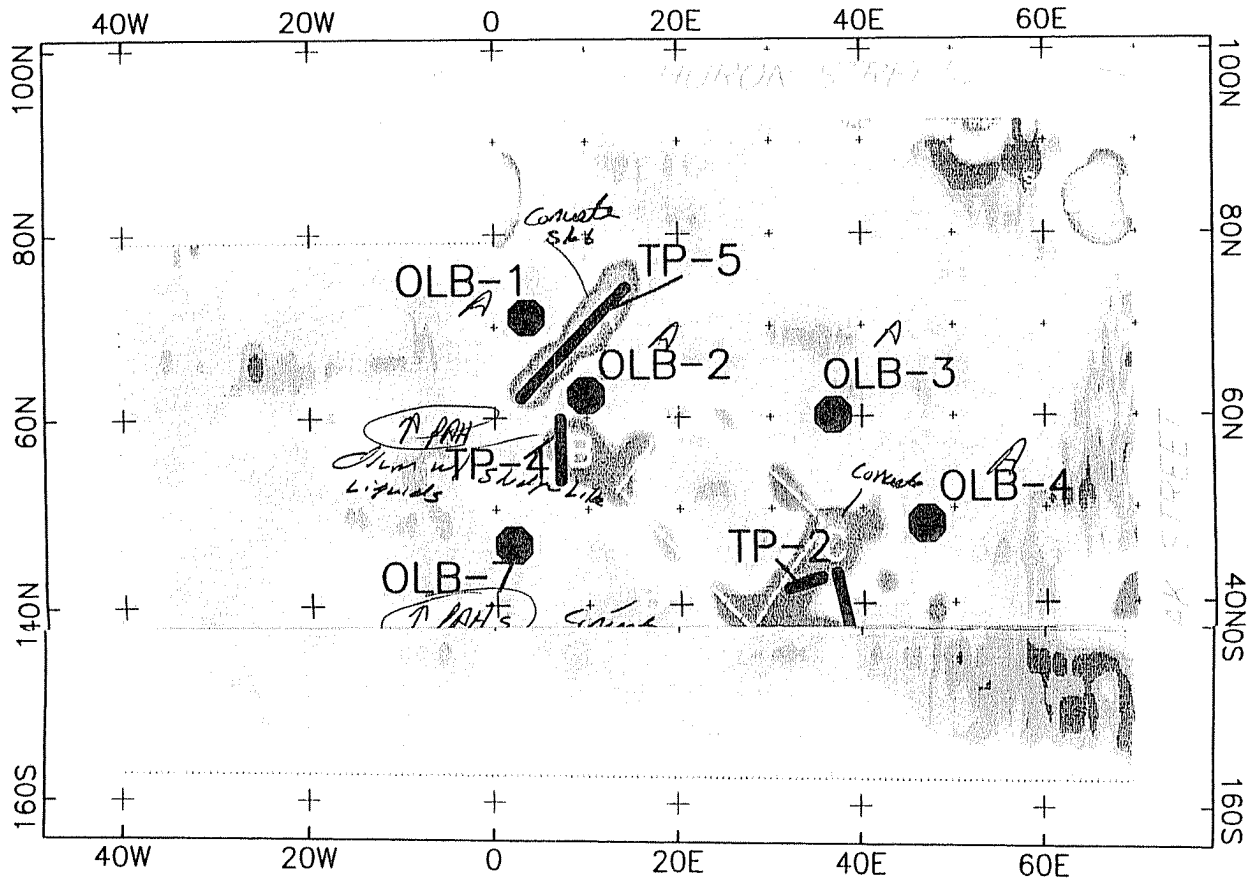
Geophysical Survey Results
Color Contours of EM61 Data
(mVolts)

Niagara Mohawk, A National Grid Company

Oak Street Parking Lot

Buffalo, NY

Geomatrix (716) 565-0624



Geophysical anomly discussed in report

OLB-3 Boring location and designation

TP-J Test pit location and designation

10 0 10 20 30
(feet)

Figure 5

Test Pits and Soil Boring Locations

Niagara Mohawk, A National Grid Company
Oak Street Parking Lot
Buffalo, NY

Geomatrix (716) 565-0624

Appendix A

APPENDIX A

Historical Review

GEOMATRIX

Privileged and Confidential

MEMORANDUM

TO: Sue Swanson **DATE:** June 17, 2002

FROM: **CC:**

SUBJECT: 7193 Task B

Fire insurance maps (Sanborn Map Reports) were examined for the Niagara Mohawk, A National Grid Company (Niagara Mohawk) owned building located at 535 Washington Street, Buffalo, New York. The mapping also covered a Niagara Mohawk owned parking lot located at 75 East Huron Street. A total of six historical maps were available from Environmental Data Resources, Inc. (EDR). Maps from the following years were reviewed:

- 1889,
- 1899,
- 1925,
- 1951,
- 1981, and
- 1986.

The following sections describe the historical mapping for each parcel. Mapping is attached to this memorandum.

535 Washington Street – Niagara Mohawk Office Tower

1889

In 1889, the Gruener's Hotel occupied what is now 535 Washington Street. The entire block between Genesee Street and East Huron Street is occupied by a small hotel, dwellings, and boarding establishments. Nearby parcels were occupied by dwellings (north-northeast), furniture manufacturing (south), carriage manufacturing and liveries (east), and a brass foundry (west).

1899

The Hotel is labeled as the Lincoln Hotel. The remainder of the block remains occupied by a small hotel, dwellings, and boarding establishments. Areas to the north and east appear unchanged, the south is not mapped, and the area to the west is occupied by what was known as the "Gold Dome" Bank.

1925

The hotel building is gone and the Buffalo General, Electric Company electric building occupies approximately one third of the block. The remaining areas on the block include dwellings a paint and varnish business, and a hotel. The area to the west of the block is not mapped.

1951

The building is now labeled Niagara Mohawk Power Corporation electric building. The hotel and varnish businesses have been replaced by a parking lot located on the southeast side of the block. Dwellings and stores occupy the remainder of the block. The area to the west of the block is not mapped.

1981

The building remains the Niagara Mohawk Power Corporation electric building. All of the stores and dwellings on the block are gone with the expansion of the parking lots northward and westward. The majority of the area south, north, and east of the block consists of parking lots, stores and businesses. The area to the west of the block is not mapped.

1986

The mapping is unchanged from the 1981 historical map.

75 East Huron Street – Niagara Mohawk Owned Parking Area

1889

The parking lot at 75 East Huron Street was occupied by several dwellings and a wood and coal yard. To the north and east of the lot are dwellings, stores and a stone yard. To the south and west are dwellings, a barn, and livery.

1899

There is no coverage for 75 East Huron Street or to the east, south, and west. The area to the north appears unchanged.

1925

The parking lot is now present building labeled as an apparent gas and oil filling station on the northeastern corner. Areas to the north are unchanged from the 1899 mapping. The east is not mapped. Areas to the south and west are mainly dwellings.

1951

The parking lot is still present and the apparent filling station is gone. Areas to the north include lodging and small machine and repair shops. Areas to the east are unmapped. The dwellings to the south have been replaced with commercial stores and a repair shop. The area to the west (west of Blossom Street) is also a parking lot with a filling station.

1981

The parking lot is still present and little change has occurred to the surrounding area.

1986

The mapping is unchanged from the 1981 historical map.

I:\project\7193\working\535 washington st.doc

Environmental Data Resources, Inc.

"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Jennifer Hagen
GeoMatrix Consultants
338 Harris Hill Road
Williamsville, NY 14221

1054455SHU 716-565-0624

Order Date: 6/13/2002 **Completion Date:** 06/14/2002
Inquiry #: 798747.1S
P.O. #: NA
Site Name: Niagara Mohawk
Address: 535 Washington Street
City/State: Buffalo, NY 14203
Cross Streets: East Huron

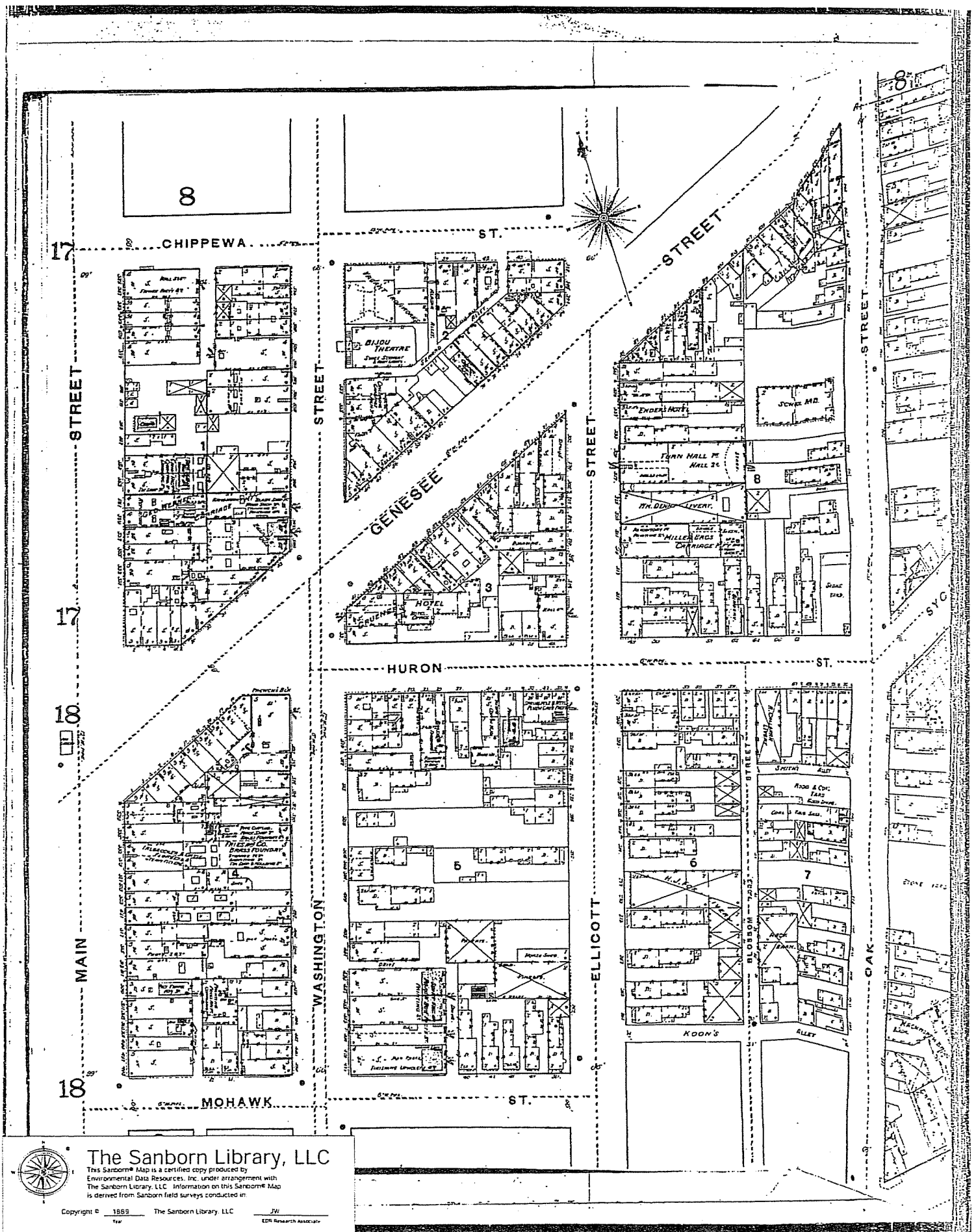
Based on client-supplied information, fire insurance maps for the following years were identified

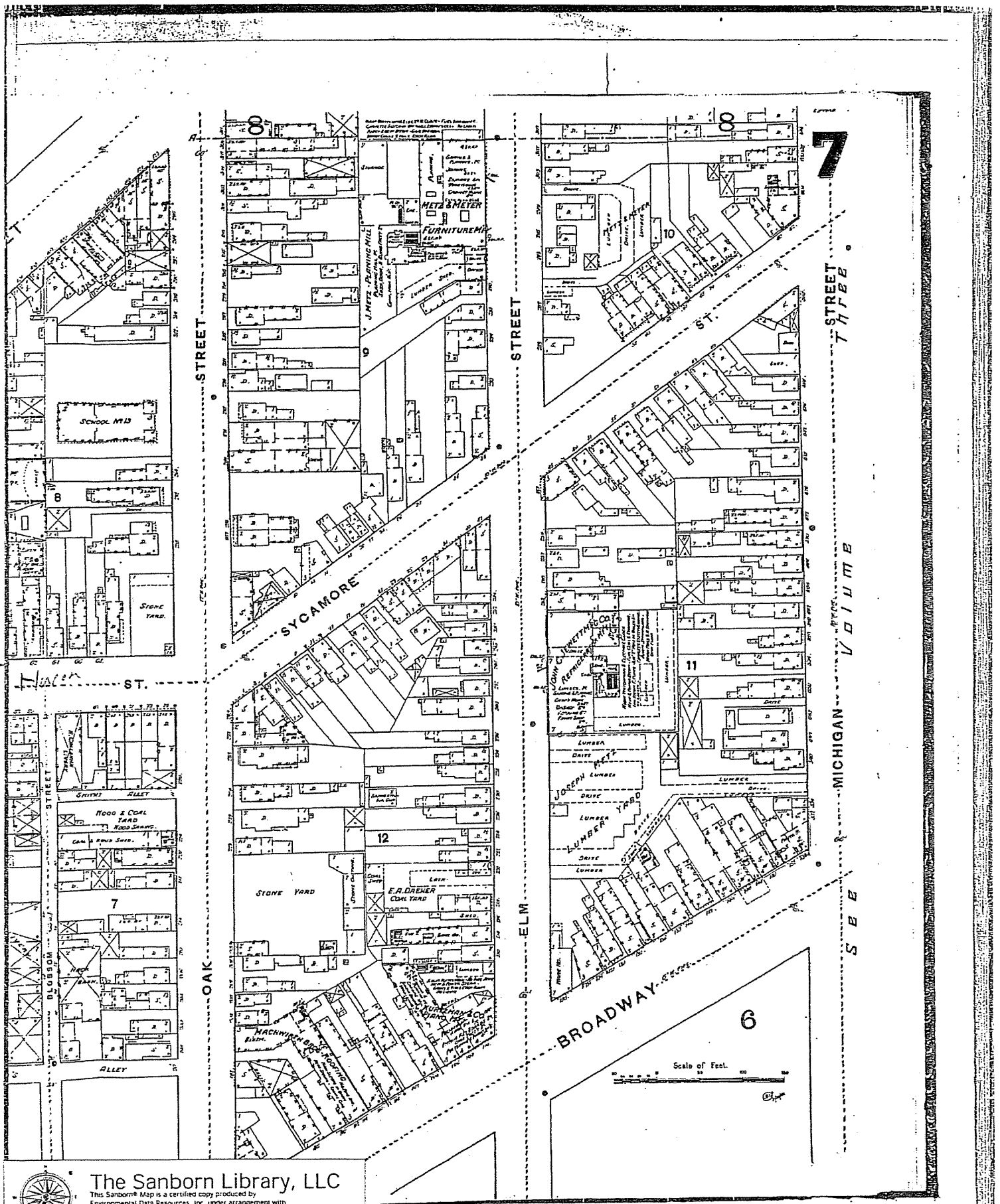
1889 - 1 - map
1899 - 1 - map
1925 - 1 - map
1951 - 1 - map
1981 - 1 - map
1986 - 1 - map

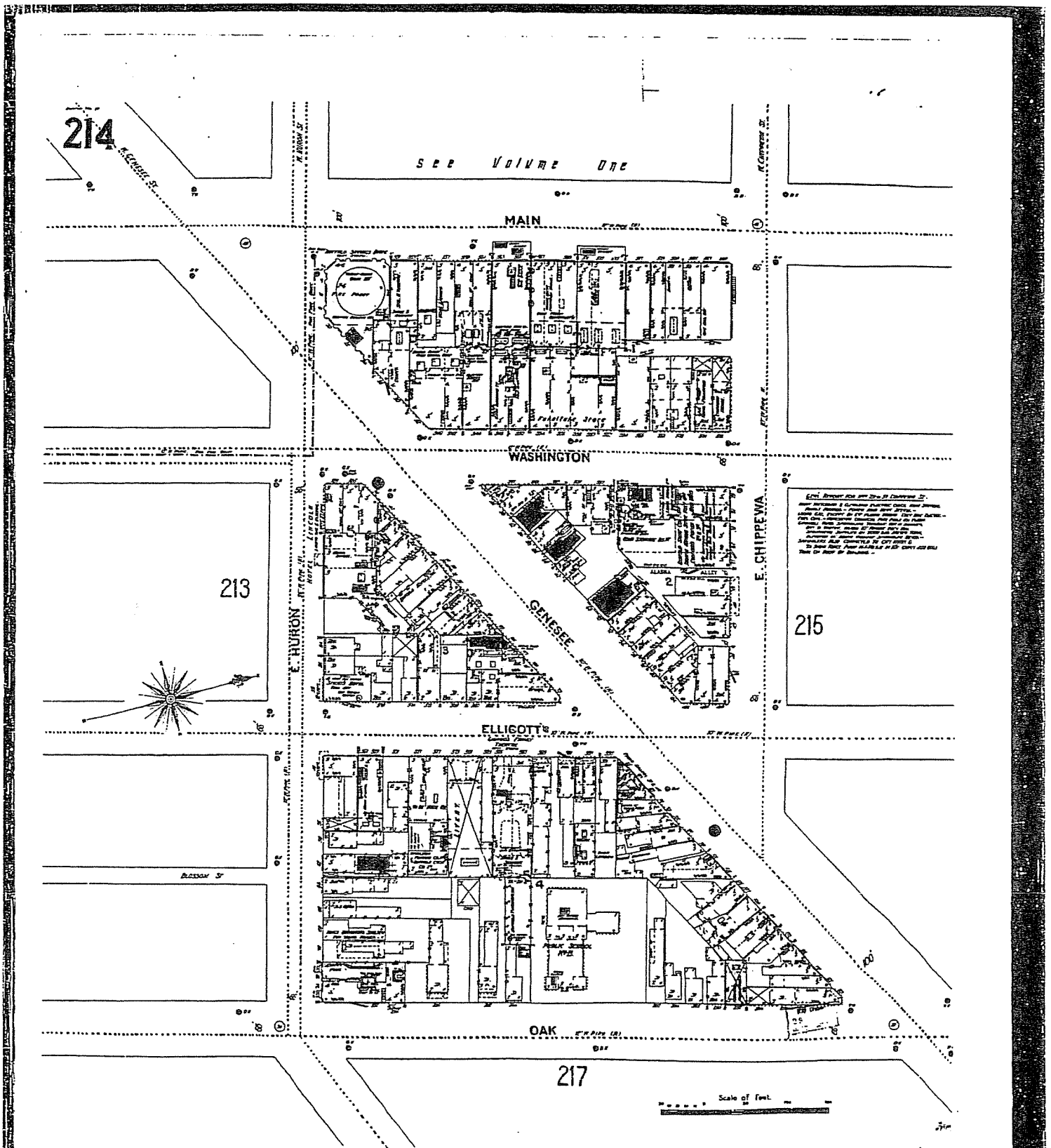
Total Maps: 6

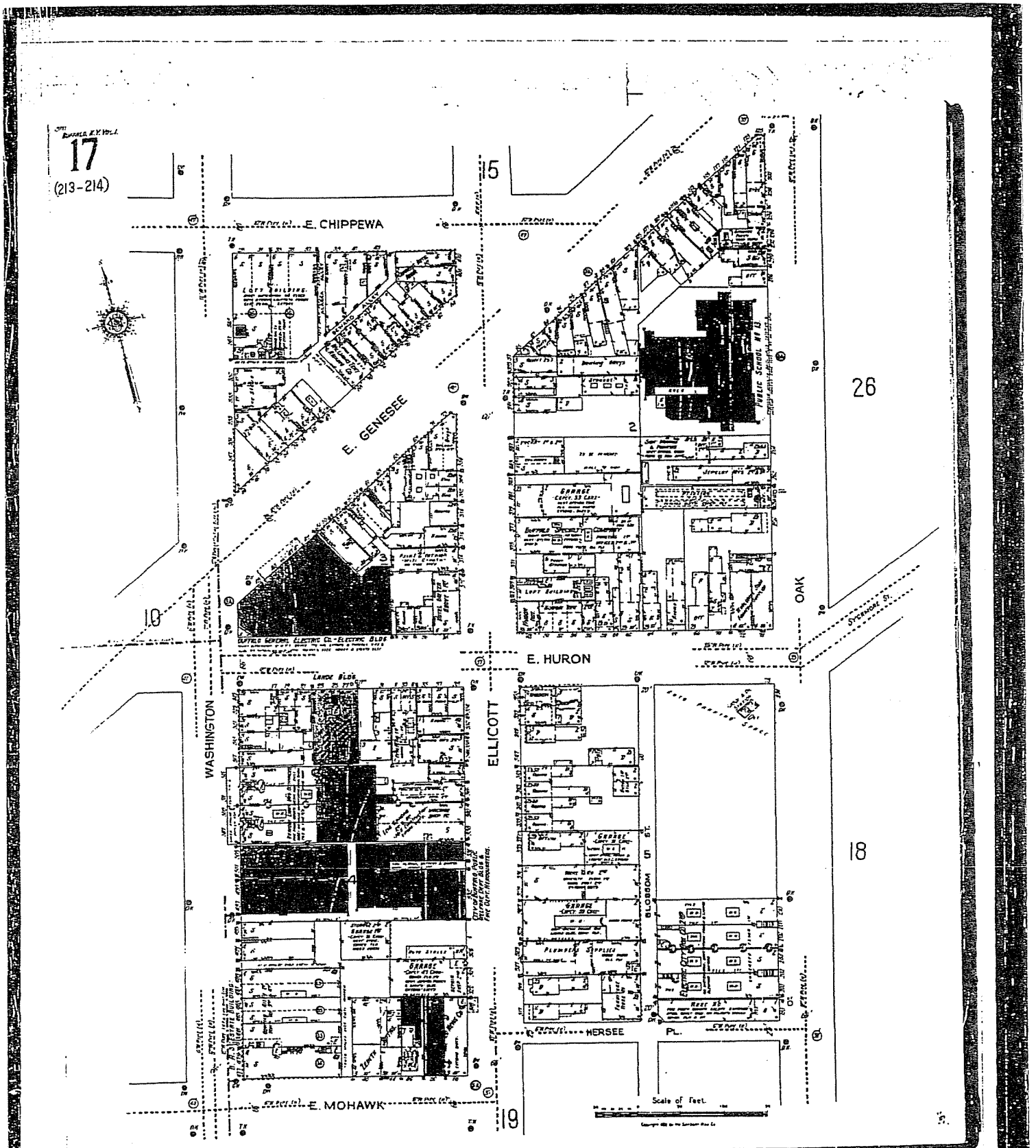
Limited Permission to Photocopy

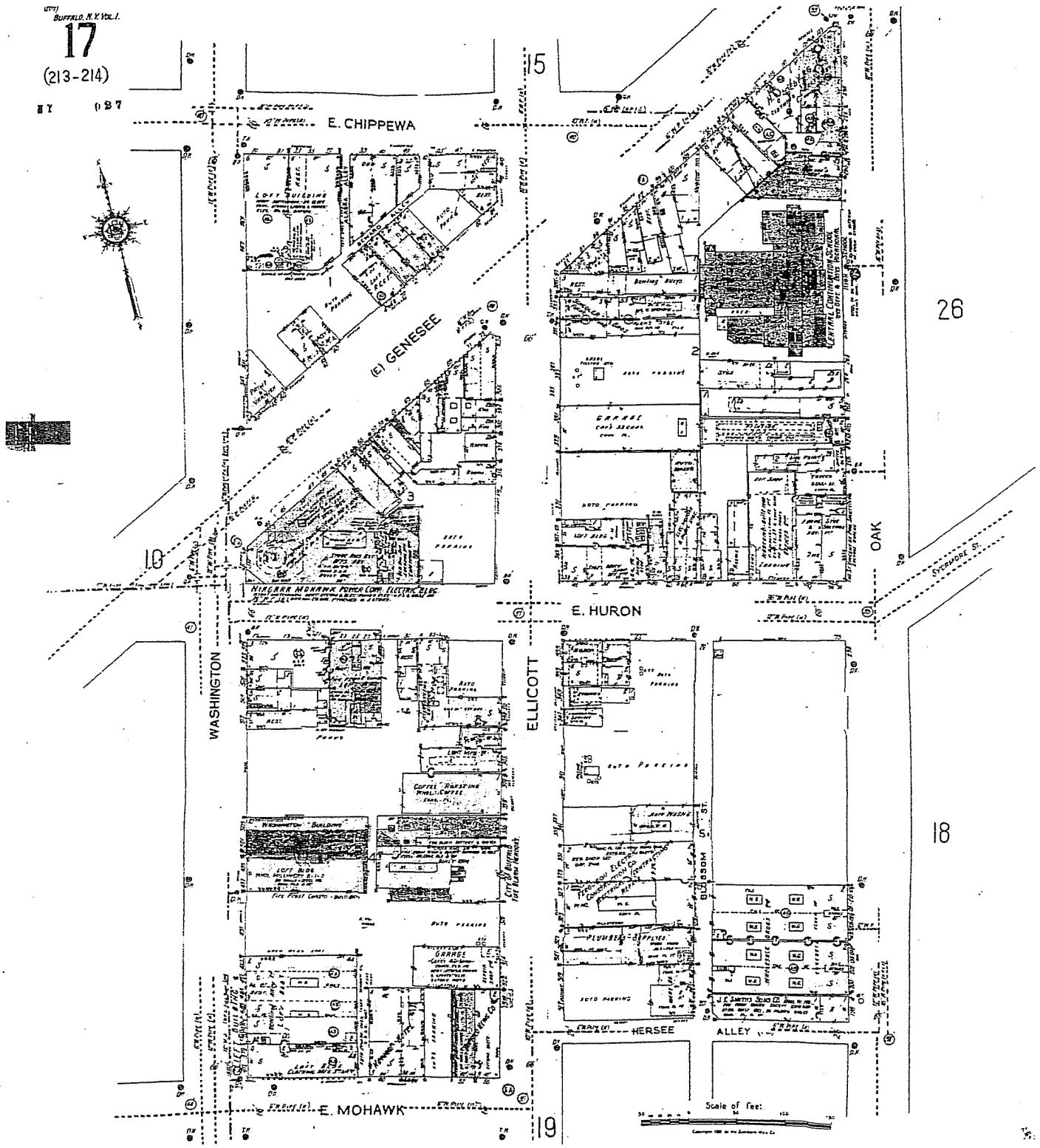
GeoMatrix Consultants (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

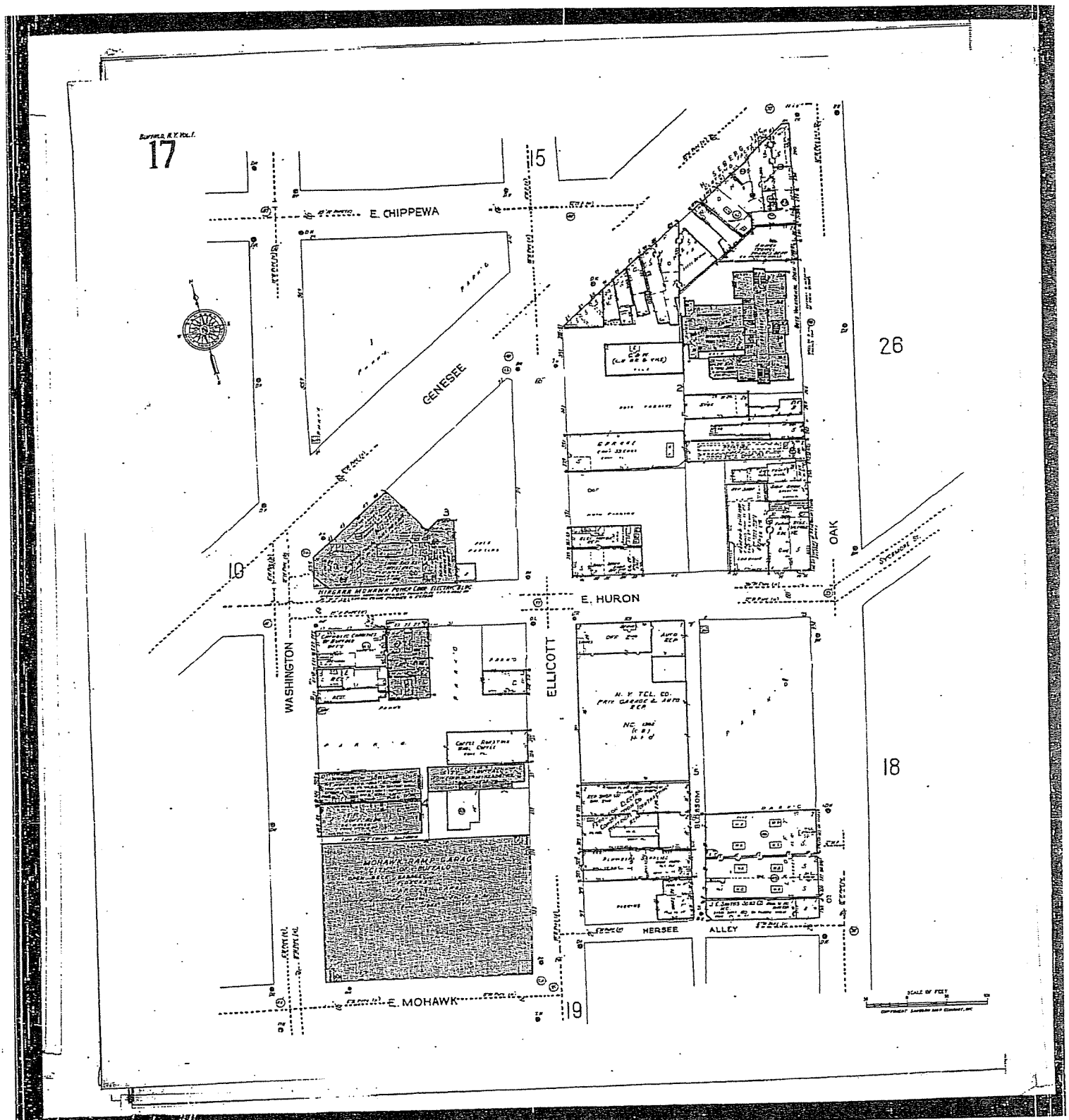


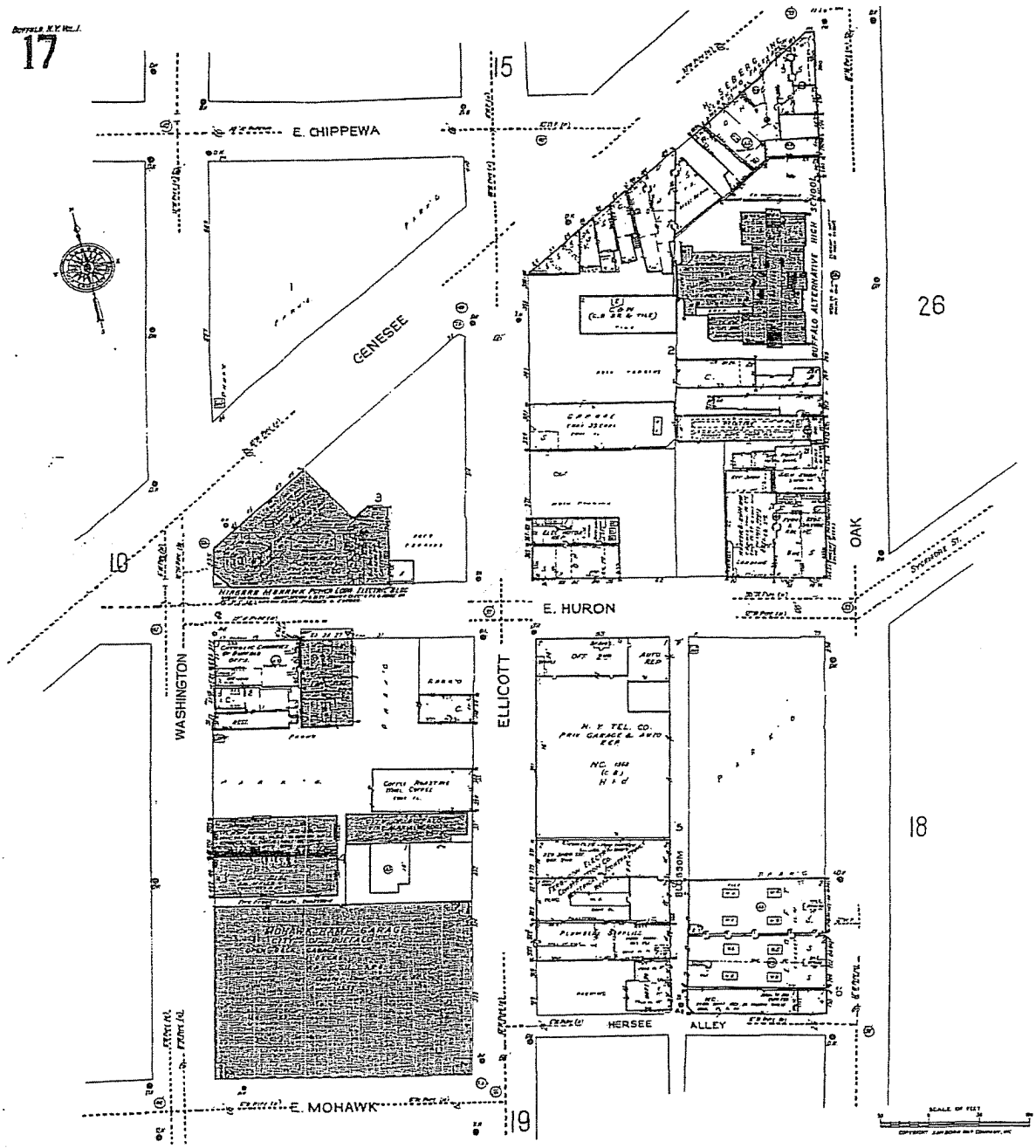












Appendix B

APPENDIX B

Test Pit and Boring/Well Completion Logs

FIELD TEST PIT LOG

Test Pit No.	TP-1

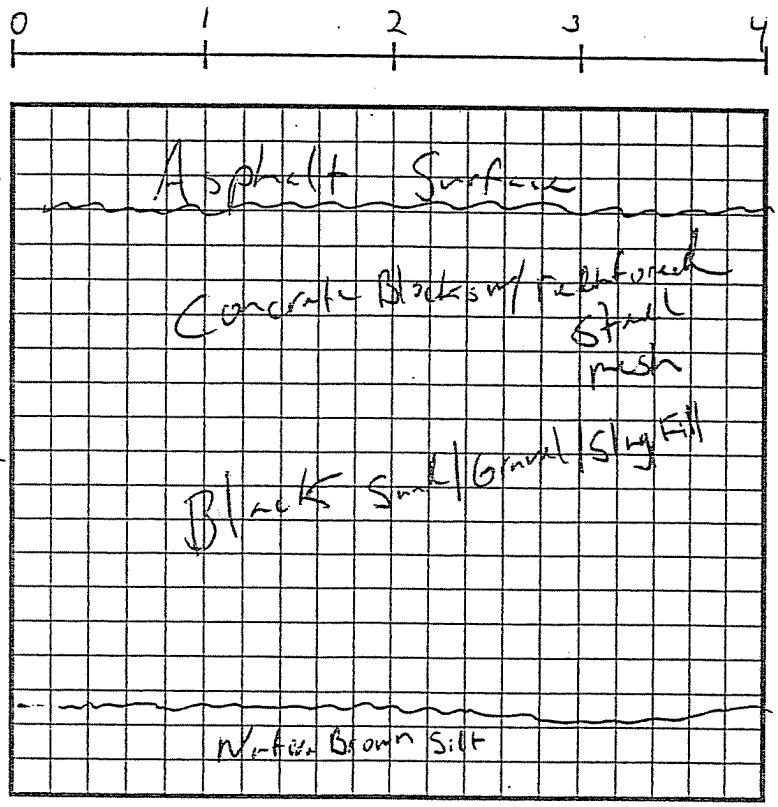
Job No. 7193B
Contractor SLC Environmental
MX Insp. RHF
Weather 75° Sunny
Location Oak Street Parking lot

Project Oak Street Parking lot Phase II
Operator Corey
Elevation not measured

Equipment mini-excavator
Started July 17 2002
Completed July 17, 2002

Anomaly E

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

PID = Background

SAMPLES

NO.	DEPTH (bgs)	NOTES

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)
	Dry

FIELD TEST PIT LOG

Test Pit No.	TP-2

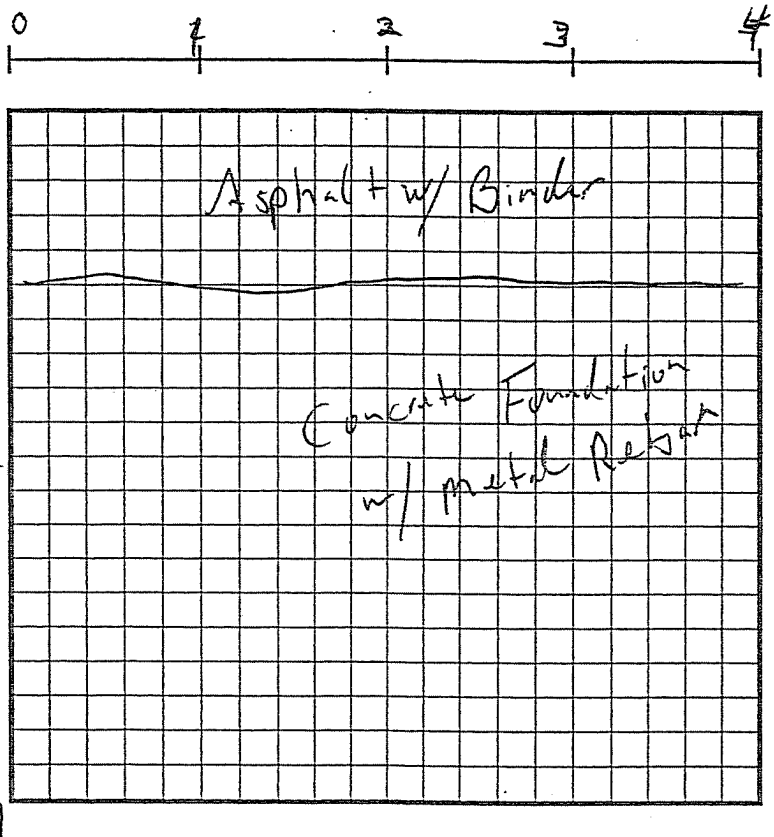
Job No. 7193 B
Contractor SLC Environmental
GMX Insp. RHF
Weather 75° sunny
Location Oak Street Parking lot

Project Oak Street Parking lot Phase II
Operator Greg
Elevation NA measured

Equipment mini-excavator
Started July 17 2002
Completed July 17 2002

Anomaly C

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

No odors or Visual imp

PID = Background

SAMPLES

NO.	DEPTH (bgs)	NOTES

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)
	Dry

FIELD TEST PIT LOG

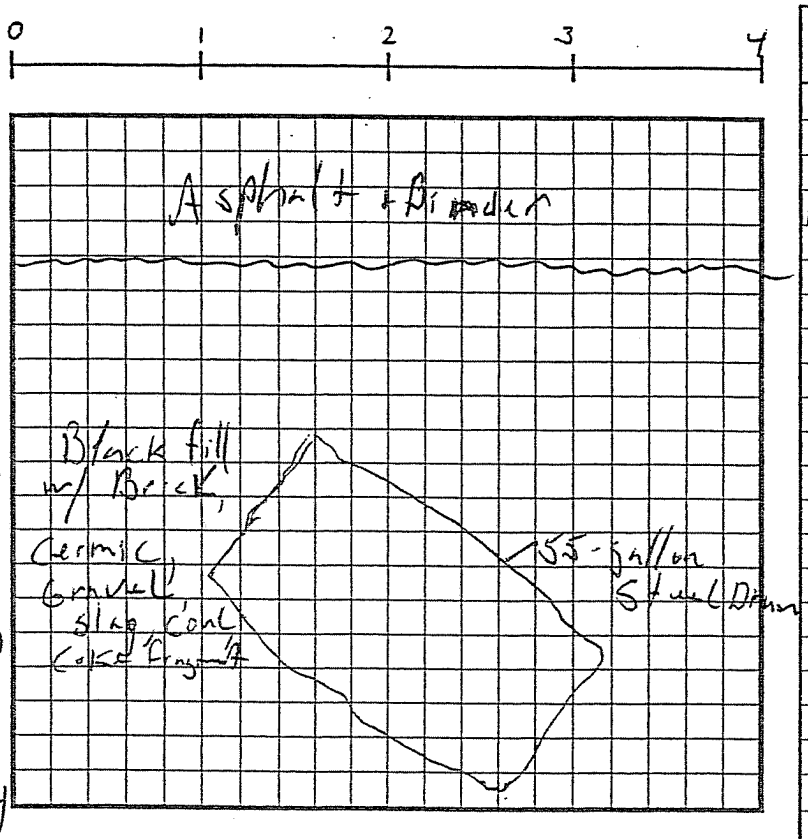
Test Pit No.	TP-3

Job No. 7193B
Contractor SLC
GMX Insp. R. Filippa
Weather 75° sunny
Location Oak Street Parking Lot

Project West Haven / Oak Lot Phase II
Operator Greg
Elevation

Equipment mini-excavator
Started July 17
Completed "

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

- 0-1 ft Asphalt with binder
1.0-4 ft Black fill consisting of loose mixture of gravel, sand, Brick, ceramic, Slag, Coal, Concrete
PID - Background
No odors
55 gallon drum - No top
- rusted sidewalls
- No liquid or staining or odor

SAMPLES

NO.	DEPTH (bgs)	NOTES
		N/A

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)
	Dry

FIELD TEST PIT LOG

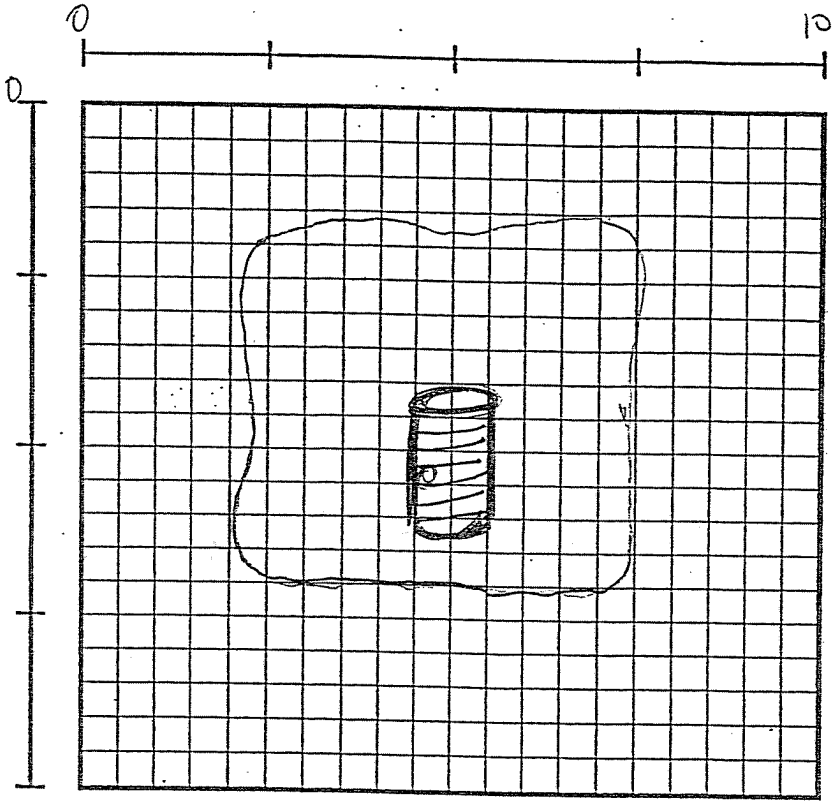
Test Pit No.	TP-4

Job No. 7193 B
Contractor SLC Environmental
GMX Insp. RHF / MAC
Weather 75° Sunny
Location Oak St. Parking lot - Anomaly B

Project Oak Street Parking lot Phase II
Operator Greg
Elevation not measured

Equipment Mini excavator
Started 7-17-02
Completed 7-17-02

North
TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Approximately 40-gal volume metal drum encountered @ 2.5' bgs

- strong petroleum odor

- drum uncovered and removed separate oily phase present, leaking from drum.

- All contents containerized on poly sheets

- Drum & poly are placed in large (overpack) drum.

PID max = 97.3 ppm

SAMPLES

NO.	DEPTH (bgs)	NOTES
TP-4A	3.5'	beneath drum sample for TCL VOCs & SVOCs
TP-4	—	grab sample from soil removed from test pit for TCL VOCs/SVOCs and ignitability

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)

FIELD TEST PIT LOG

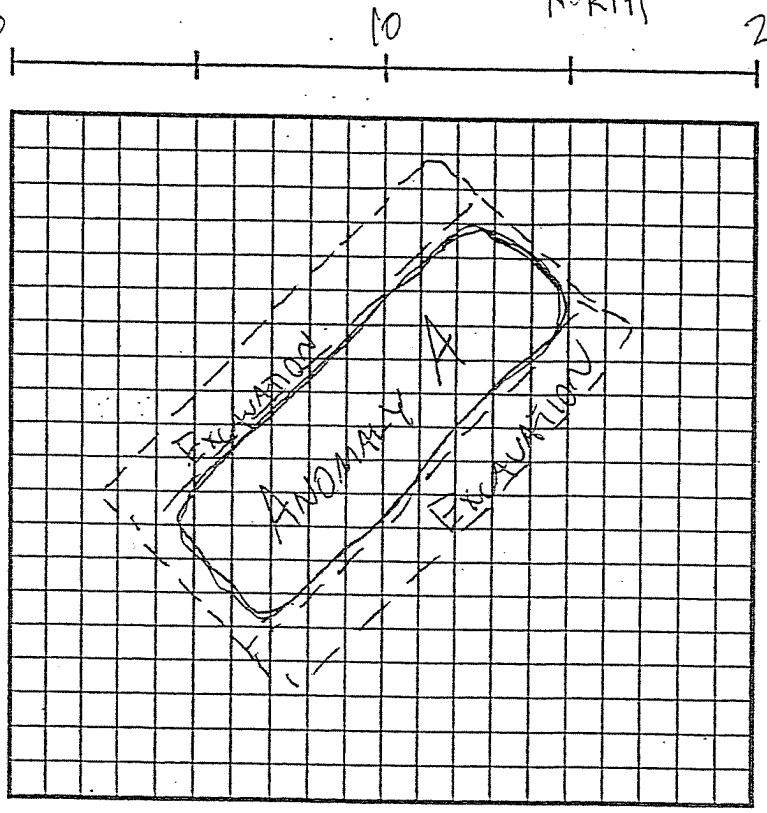
Test Pit No.	TP-5

Job No. 7193 B
Contractor SLC Environmental
GMX Insp. RHF/MAC
Weather 75° Sunny
Location Oak Street Parking lot Anomaly A

Project Oak Street Parking lot Phase II
Operator Greg
Elevation not measured

Equipment mini-excavator
Started 7-17-02
Completed 7-17-02

TEST PIT SKETCH NORTH



NOTES / STRATA DESCRIPTIONS

- Concrete pad uncovered @ 1' bgs with dimensions of Anomaly A

excavations on each side of test pit verify fill beneath and surrounding the pad

PID = 0.00 ppm during excavation

SAMPLES

NO.	DEPTH (bgs)	NOTES
		No samples were collected

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)

GEOMATRIX CONSULTANTS, INC.

FIELD TEST PIT LOG

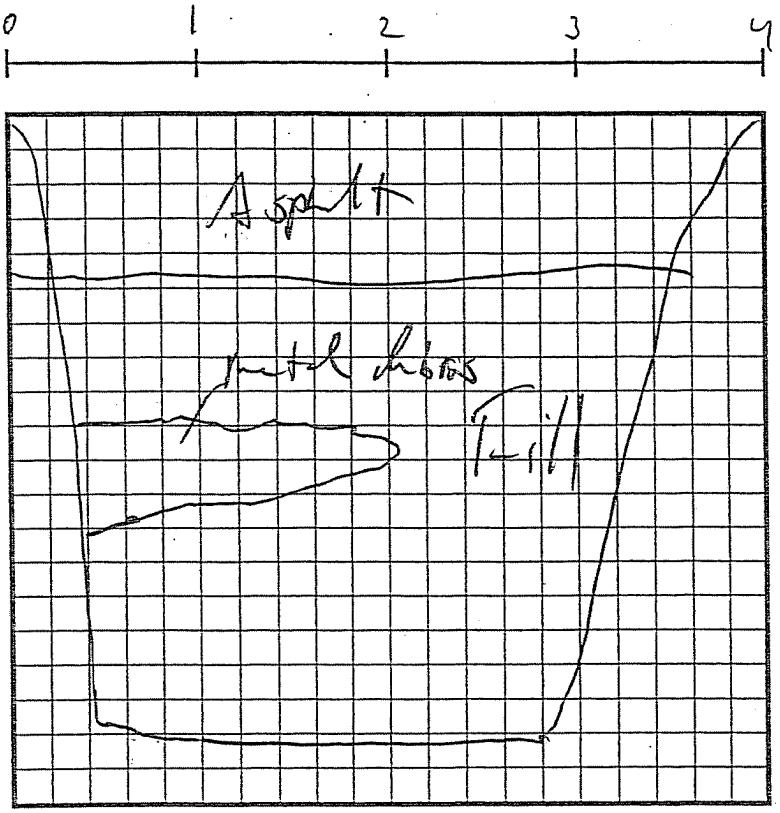
Test Pit No.	TP-6

Job No. 7193 B
Contractor SLC Environmental
GMX Insp. FHF
Weather Sunny 75°
Location Anomaly G

Project Oak Street Parking lot Phase II
Operator Greg
Elevation

Equipment mini-excavator
Started 8-28-02
Completed 8-28-02

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill - 0-3.5'

0-1' Asphalt w/ Binder material

1'-3.8' - Mixture of brown silty sand and black sand + gravel - fill contains roofing slate, concrete, glass, misc metal.

Largest metal is from crushed drum fragments.

SAMPLES

NO.	DEPTH (bgs)	NOTES
	2.0	TCL VOCs, STARS SVOCs PCBs
		Time - 10:15 Am

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)
	Dry

FIELD TEST PIT LOG

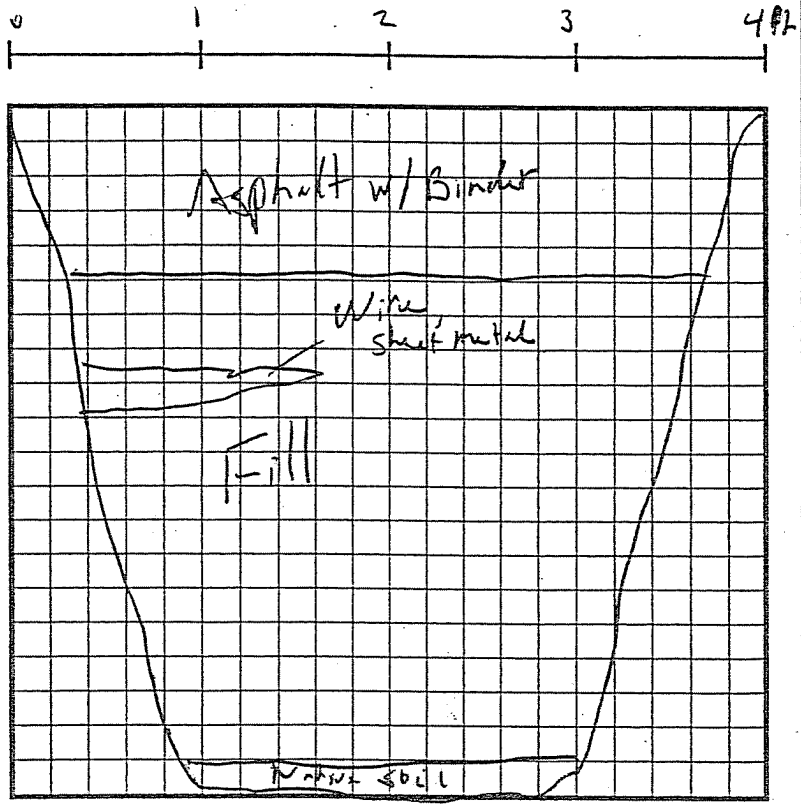
Test Pit No.	TP-H

Job No. 7193 B
Contractor SLC Environmental
GMX Insp. RHF
Weather Sunny 75°
Location Anomaly H

Project Oak Street Parking lot Phase II
Operator Greg
Elevation not measured

Equipment mini-excavator
Started 8-28-02
Completed 8-28-02

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill 0.3.8 ft - Black sand + gravel, w/ some rubber silt containing Bricks, Concrete misc. metal - Wire, sheet metal,

No suspected evidence of impact in soil

PID = 0

SAMPLES

NO.	DEPTH (bgs)	NOTES
		NO Samples

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)

GEOMATRIX CONSULTANTS, INC.

FIELD TEST PIT LOG

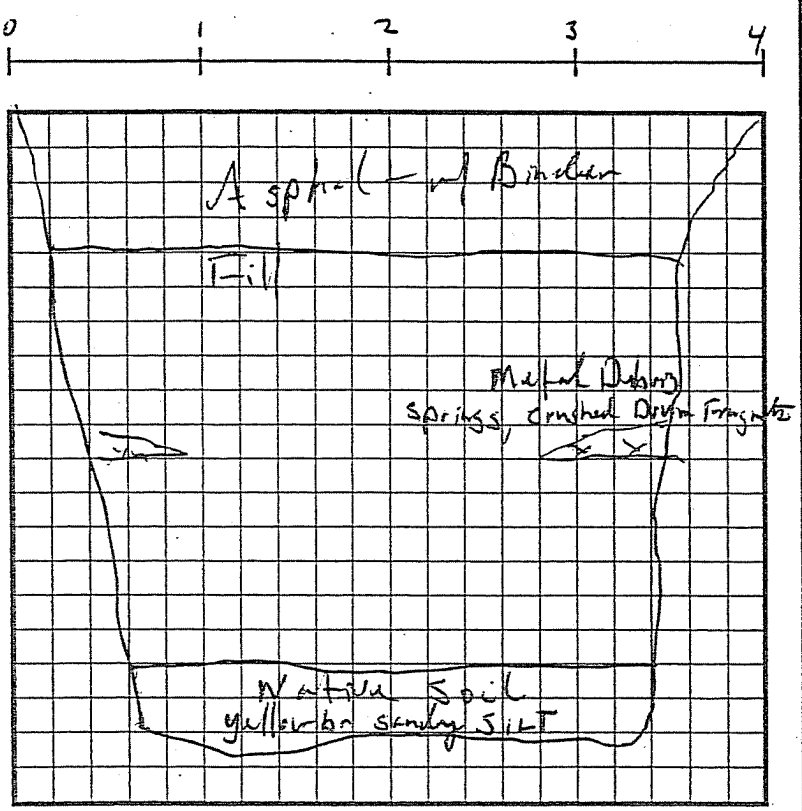
Test Pit No.	TP-I

Job No. 7193 B
Contractor SLC Environmental
GMX Insp. RHF
Weather Sunny 75°
Location Anomaly I

Project Oak Street Parking lot Phase II
Operator Corey
Elevation not measured

Equipment mini excavator
Started 8-28-02
Completed 8-28-02

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill - Brick sand + gravel fill w/ concrete, coke, brick frag.

PID = 0

SAMPLES

NO.	DEPTH (bgs)	NOTES
	2.5 ft	VOCs, SVOCs PCBs STARS
		Time - 9:10 AM

EXCAVATION NOTES

WATER LEVELS

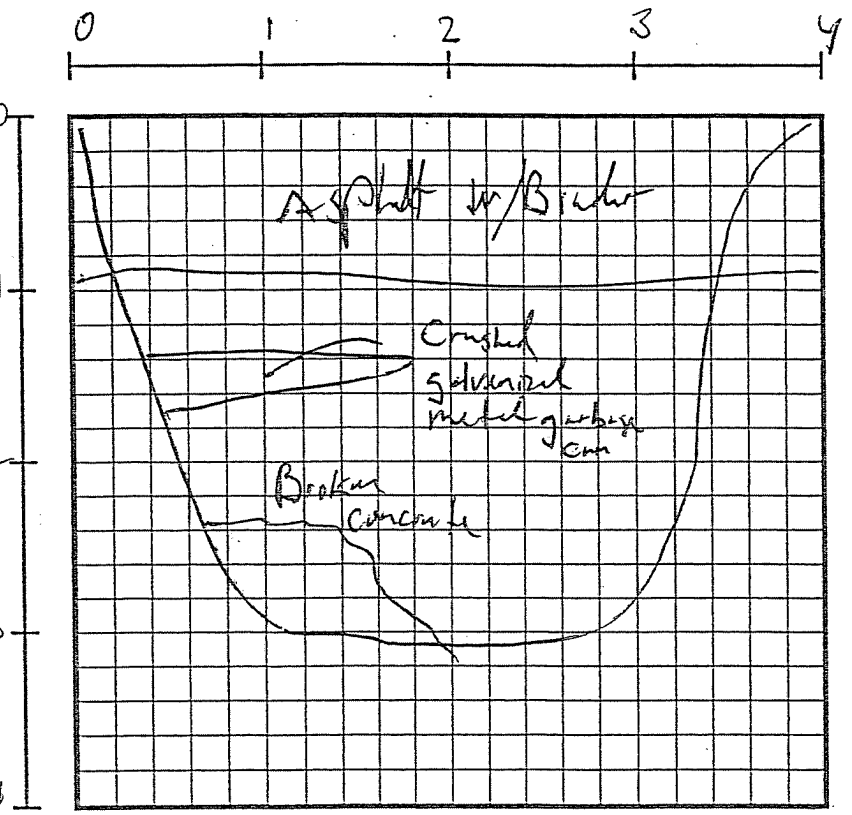
TIME	WATER DEPTH (bgs)
	Dry

FIELD TEST PIT LOG

Test Pit No.	TP-J

Job No. 7193 B
Project Oak Street Parking lot Phase II
Contractor SLC Enviro Servis
Operator Greg
Equipment Small Track Rig
GMX Insp. RHF
Elevation not measured
Started 8/28/02
Weather Sunny ~ 75°
Completed 8/28/02
Location Nimg OAK St LOT anomaly J

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

0-1 Asphalt w/binder
1-3Ft - Fill same as previous
crushed metal gravel mix

PID=0

SAMPLES

NO.	DEPTH (bgs)	NOTES
		No Samples collected

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)
	Dry

FIELD TEST PIT LOG

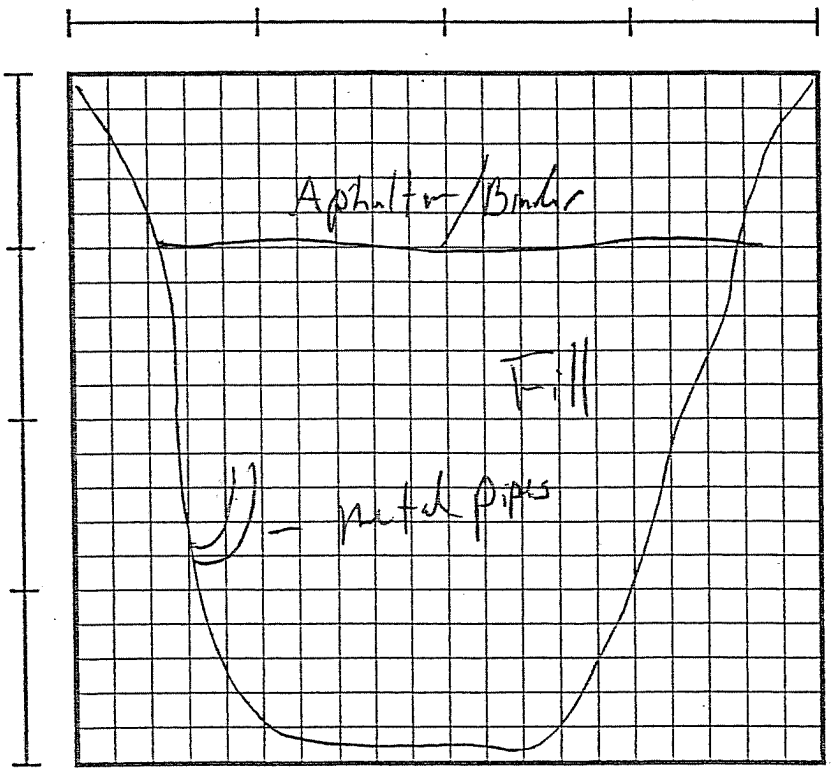
Test Pit No.	TP-K1

Job No. 7193 B
Contractor SLC Environmental
GMX Insp. RHF
Weather Sunny 75°
Location Anomaly K, Quadrant 1

Project Oak Street Parking lot Phase II
Operator Greg
Elevation not measured

Equipment mini-excavator
Started 8-28-02
Completed 8-28-02

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

TP-K2 - Metal Pipe, Iron concrete Blocks

PID: 0

TPK-3 - A/A + Misc. Debris Glass Bricks, Decomposed drum fragments, Asphalt Pieces roofing materials, wood, Slight Mothball type odor associated with roofing material

PID: 0

SAMPLES

NO.	DEPTH (bgs)	NOTES
K3	2 ft	VOC SVOCs, PCBs Time 1230

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)

GEOMATRIX

SUMMARY OF GROUNDWATER ELEVATIONS

Niagara Mohawk, 535 Washington Street
Buffalo, New York

Monitoring Well Location[1]	Top of Riser Elevation (fmsl)	Depth to Groundwater[2] (fbtor)	Groundwater Elevation[2] (fmsl)
MW-1	615.54	6.84	608.70
MW-2	614.14	6.45	607.69
MW-3	614.00	6.47	607.53

Notes:

1. Groundwater monitoring well locations provided on Figure 2.
2. Depth to groundwater prior to well development.
3. Groundwater elevation as measured on August 30, 2002.

fmsl = feet mean sea level
fbtor = feet below top of riser

PROJECT: Niagara Mohawk Electric Building/ Oak St. Parking Lot Buffalo, New York		**Log of Boring No. B-1**	
BORING LOCATION: Electric Building Parking Lot		ELEVATION: fmsl	DATUM: NAGVD
DRILLING CONTRACTOR: SLC Environmental		DATE STARTED: 7/10/02	DATE FINISHED: 7/10/02
DRILLING METHOD: Direct Push (Geoprobe)		TOTAL DEPTH: 10.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: Truck-mount Geoprobe		DEPTH TO WATER: FIRST	COMPL.
SAMPLING METHOD: 4' stainless steel barrel w/ acetate sleeve		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: NA	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
					asphalt, concrete, trace angular limestone fill, dry, loose	
1						
2	1		NA		**Poorly graded SAND with SILT (SP-SM)** fine to med. sand with trace to some silt, trace angular limestone gravel fill (tank backfill), visible sheen on groundwater in Geoprobe sleeve at 9 feet bgs	
3						
4						
5						
6	2		NA			
7						
8						PID= 52.0 ppm
9	3		NA			PID= 92.3 ppm (strong hydrocarbon odor)
10						PID= 4.5 ppm
					Refusal at 10' bgs	
11						
12						

PROJECT: Niagara Mohawk Electric Building/ Oak St. Parking Lot Buffalo, New York		**Log of Boring No. B-3**	
BORING LOCATION: Electric Building Parking Lot		ELEVATION: fmsl	DATUM: NAGVD
DRILLING CONTRACTOR: SLC Environmental		DATE STARTED: 7/10/02	DATE FINISHED: 7/10/02
DRILLING METHOD: Direct Push (Geoprobe)		TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: Truck-mount Geoprobe		DEPTH TO WATER: | FIRST	COMPL.
SAMPLING METHOD: 4' stainless steel barrel w/ acetate sleeve		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: NA	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
0					asphalt (dry) with limestone gravel fill	
1						
2	1		NA	0	fine to med. sand with some brick and limestone gravel fill, damp to moist	
3						PID= 2.0 ppm max 2-4' bgs
4						
5					**Poorly graded SAND with SILT (SP-SM)** lt. brown fine sand, red iron oxide coloration, moist, soft	
6	2		NA	0		PID= 1.8 ppm max across sample #2
7					**SILT with CLAY (ML)** 50% med. plasticity fines, 50% silt, hard to v. hard, damp	
8					Refusal at 8' bgs	
9						
10						
11						
12						

PROJECT: Niagara Mohawk Electric Building/ Oak St. Parking Lot Buffalo, New York	**Log of Boring No. B-5**	
BORING LOCATION: Electric Building Parking Lot	ELEVATION: fmsl	DATUM: NAGVD
DRILLING CONTRACTOR: SLC Environmental	DATE STARTED: 7/10/02	DATE FINISHED: 7/10/02
DRILLING METHOD: Direct Push (Geoprobe)	TOTAL DEPTH: 10.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: Truck-mount Geoprobe	DEPTH TO WATER: | FIRST	COMPL.
SAMPLING METHOD: 4' stainless steel barrel w/ acetate sleeve	LOGGED BY: MAC	
HAMMER WEIGHT: NA | DROP: NA	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
1					asphalt, brick, limestone gravel (fill), damp to moist	
2	1		NA			PID= 2.7 ppm max across sample #1
3						
4	2		NA			
5						
6					minimal recovery (S.A.A. in sampling shoe), Geoprobe meets no resistance (v. loose material)	
7						
8						
9					fine to med sand with fine to med. gravel, trace brick (fill), black coloration on water, no odors or staining	PID= 0 ppm
10	3		NA			
11					Refusal at 10' bgs	
12						
13						

PROJECT: Niagara Mohawk Electric Building/ Oak St. Parking Lot Buffalo, New York		**Log of Boring No. B-7**	
BORING LOCATION: Electric Building Parking Lot		ELEVATION: fmsl	DATUM: NAGVD
DRILLING CONTRACTOR: SLC Environmental		DATE STARTED: 7/10/02	DATE FINISHED: 7/10/02
DRILLING METHOD: Direct Push (Geoprobe)		TOTAL DEPTH: 7.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: Truck-mount Geoprobe		DEPTH TO WATER: | FIRST	COMPL.
SAMPLING METHOD: 4' stainless steel barrel w/ acetate sleeve		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: NA	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
1						
2	1		NA	0		
3					asphalt, brick, limestone gravel fill, saturated at 6.5' bgs	
4						
5						
6	2		NA	0		
7						
8					Refusal at 8' bgs	
9						
10						
11						
12						

PROJECT: Niagara Mohawk Electric Building/ Oak St. Parking Lot Buffalo, New York	**Log of Boring No. B-9**	
BORING LOCATION: Electric Building Parking Lot	ELEVATION: fmsl	DATUM: NAGVD
DRILLING CONTRACTOR: SLC Environmental	DATE STARTED: 7/10/02	DATE FINISHED: 7/10/02
DRILLING METHOD: Direct Push (Geoprobe)	TOTAL DEPTH: 9.5 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: Truck-mount Geoprobe	DEPTH TO WATER: | FIRST	COMPL.
SAMPLING METHOD: 4' stainless steel barrel w/ acetate sleeve	LOGGED BY: MAC	
HAMMER WEIGHT: NA | DROP: NA	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter. Surface Elevation: fmsl	DRILLING REMARKS
1					asphalt, limestone gravel fill, dry	
2	1		NA	0	**Poorly graded SAND with SILT (SP-SM)** fine sand with silt, visible laminations at 5' bgs with iron oxide coloration	
3		X				
4						
5						
6	2		NA	0		
7					**SILT with CLAY (ML)** 50% low plasticity fines, 50% silt, v. hard, damp	
8					**Poorly graded SAND with SILT (SP-SM)** fine to med. sand with silt, damp, soft, grading to very fine sand at 10.5' bgs	
9						
10	3		NA	0		
11						
12					Refusal at 12' bgs	
13						

PROJECT: Niagara Mohawk Electric Building/ Oak St. Parking Lot Buffalo, New York	**Log of Boring No. B-11**	
BORING LOCATION: Electric Building Parking Lot	ELEVATION: fmsl	DATUM: NAGVD
DRILLING CONTRACTOR: SLC Environmental	DATE STARTED: 7/10/02	DATE FINISHED: 7/10/02
DRILLING METHOD: Direct Push (Geoprobe)	TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: Truck-mount Geoprobe	DEPTH TO WATER: | FIRST	COMPL.
SAMPLING METHOD: 4' stainless steel barrel w/ acetate sleeve	LOGGED BY: MAC	
HAMMER WEIGHT: NA | DROP: NA	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
1–2	1		NA	0	asphalt, sand, silt, brick, damp to moist (fill)	
3–4						
5–6	2		NA	125	**Poorly graded SAND with SILT (SP-SM)** fine sand with some silt, grading to very fine sand with silt at 6' bgs with trace clay, firm to hard, damp, visible staining at 5' bgs, strong hydrocarbon odor, no staining within or below very fine sand/silt/clay unit	PID= 125 ppm maximum across sample #2
7–8						
9–10					Refusal at 8' bgs	
11–12						

PROJECT: Niagara Mohawk Electric Building/ Oak St. Parking Lot
Buffalo, New York

Log of Boring No. OLB-2

BORING LOCATION: Oak Street Parking Lot	ELEVATION: fmsl	DATUM: NAGVD
DRILLING CONTRACTOR: SLC Environmental	DATE STARTED: 7/10/02	DATE FINISHED: 7/10/02
DRILLING METHOD: Direct Push (Geoprobe)	TOTAL DEPTH: 11.9 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: Truck-mount Geoprobe	DEPTH TO WATER: FIRST	COMPL.
SAMPLING METHOD: 4' stainless steel barrel w/ acetate sleeve	LOGGED BY: MAC	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION: NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
1–2	1		NA	0	sand, brick,asphalt, dry to damp, loose (fill)	
3–4						
5–6	2		NA	0	S.A.A., grading to fine sand with silt, moist, mottled grey to lt. brown, soft	
7–8						
9–10	3		NA	0	**Poorly graded SAND with SILT (SP-SM)** fine sand interbedded with silt (locally finer grained where silt predominates), moist to wet, firm (native)	
11–12					Refusal at 12' bgs	
13						

PROJECT: Niagara Mohawk Electric Building/ Oak St. Parking Lot Buffalo, New York		**Log of Boring No. OLB-4**
BORING LOCATION: Oak Street Parking Lot	ELEVATION: fmsl	DATUM: NAGVD
DRILLING CONTRACTOR: SLC Environmental	DATE STARTED: 7/10/02	DATE FINISHED: 7/10/02
DRILLING METHOD: Direct Push (Geoprobe)	TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: Truck-mount Geoprobe	DEPTH TO WATER: FIRST	COMPL.
SAMPLING METHOD: 4' stainless steel barrel w/ acetate sleeve	LOGGED BY: MAC	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter. Surface Elevation: fmsl	DRILLING REMARKS
1–2	1		NA	0	asphalt, brick, limestone gravel fill, moist, loose, slight septic odor	
3–6	2		NA	0	**Well graded SAND with SILT (SW-SM)** Interbedded fine sand with silt, firm, moist to wet	
7–8					Refusal at 8' bgs	
9–12						

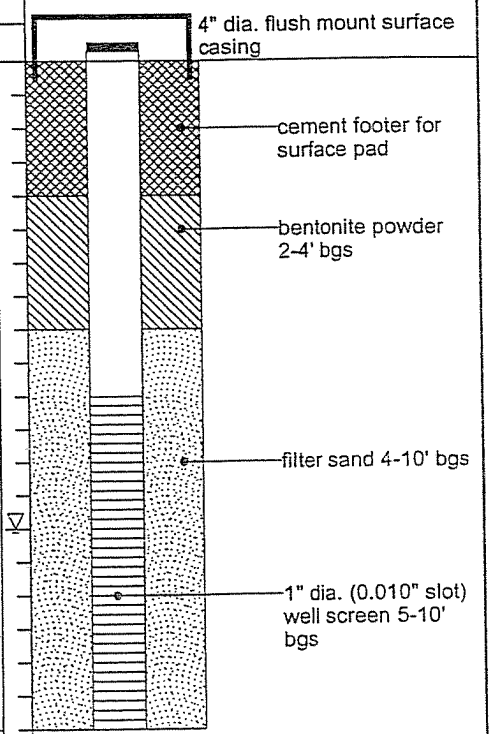
PROJECT: Niagara Mohawk Electric Building/ Oak St. Parking Lot Buffalo, New York	**Log of Boring No. OLB-6**	
BORING LOCATION: Oak Street Parking Lot	ELEVATION: fmsl	DATUM: NAGVD
DRILLING CONTRACTOR: SLC Environmental	DATE STARTED: 7/10/02	DATE FINISHED: 7/10/02
DRILLING METHOD: Direct Push (Geoprobe)	TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: Truck-mount Geoprobe	DEPTH TO WATER: | FIRST	COMPL.
SAMPLING METHOD: 4' stainless steel barrel w/ acetate sleeve	LOGGED BY: MAC	
HAMMER WEIGHT: NA | DROP: NA	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter. Surface Elevation: fmsl	DRILLING REMARKS
1					asphalt, limestone gravel fill, loose, dry, grading to fine sand with silt, trace brick and limestone gravel (fill)	
2	1		NA	0		
3						
4						
5					**Well graded SAND with SILT (SW-SM)** Interbedded fine sand with silt, firm, moist to wet	
6	2		NA	0		
7						
8					Refusal at 8' bgs	
9						
10						
11						
12						

PROJECT: Niagara Mohawk Electric Building/ Oak St. Parking Lot Buffalo, New York		**Log of Well No. MW-1**	
BORING LOCATION: Electric Building Parking Lot		TOP OF RISER ELEVATION: fmsl	DATUM: NAGVD
DRILLING CONTRACTOR: SLC Environmental		DATE STARTED: 8/28/02	DATE FINISHED: 8/28/02
DRILLING METHOD: Direct Push (Geoprobe)		TOTAL DEPTH: 10.0 fbgs	SCREEN INTERVAL: 5-10 fbgs
DRILLING EQUIPMENT: Truck-mount Geoprobe		DEPTH TO WATER: | FIRST: 7 ft | COMPL.	CASING: 1" dia. PVC
SAMPLING METHOD: 4' stainless steel barrel w/ acetate sleeve		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: NA	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

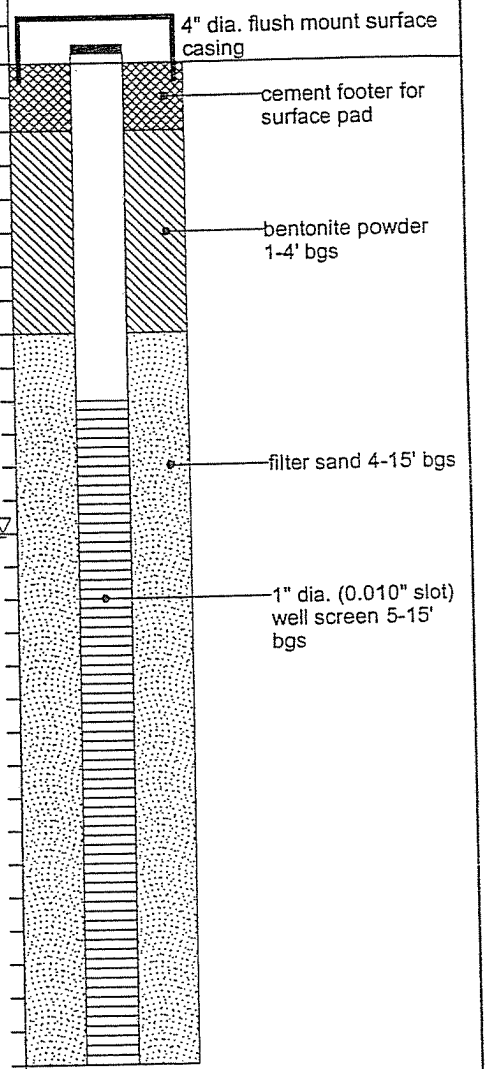
DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.
					Surface Elevation: fmsl
1–4	1		NA	0	brick, coarse limestone gravel fill, asphalt, some sand and silt, loose, dry
5–8	2		NA	0	fine sand with silt, some brick and coarse limestone gravel (fill), loose, saturated at 7' bgs
9–10	3		NA	0	Refusal at 10' bgs
11–20					

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



PROJECT: Niagara Mohawk Electric Building/ Oak St. Parking Lot Buffalo, New York	**Log of Well No. MW-2**		
BORING LOCATION: Electric Building Parking Lot	TOP OF RISER ELEVATION: fmsl		DATUM: NAGVD
DRILLING CONTRACTOR: SLC Environmental	DATE STARTED: 8/28/02		DATE FINISHED: 8/28/02
DRILLING METHOD: Direct Push (Geoprobe)	TOTAL DEPTH: 15.0 fbgs		SCREEN INTERVAL: 5-15 fbgs
DRILLING EQUIPMENT: Truck-mount Geoprobe	DEPTH TO WATER:	FIRST 7 ft	COMPL.	CASING: 1" dia. PVC
SAMPLING METHOD: 4' stainless steel barrel w/ acetate sleeve	LOGGED BY: MAC		
HAMMER WEIGHT: NA	DROP: NA	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.
					Surface Elevation: fmsl
1–2	1		NA	0	fine to med. sand with brick, concrete, asphalt (fill), loose, dry
3–4					
5–6	2		NA	0	
6–7					wood pieces encountered at 6.5 to 7' bgs (fill)
7–8					
8–9					**Poorly graded SAND with SILT (SP-SM)** fine sand with some silt (native), 7.5 YR 5/1, soft to firm, saturated at 7'bgs
9–10	3		NA	0	
10–11					
11–12					
12–13					
13–14	4		NA	0	
14–15					
15					EOB at 15' bgs
16–17					
17–18					
18–19					
19–20					



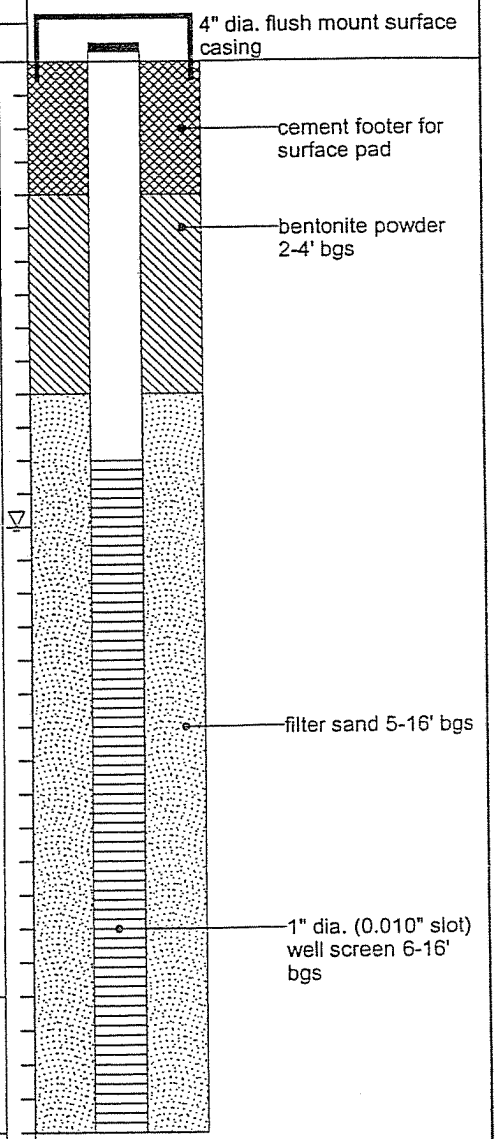
PROJECT: Niagara Mohawk Electric Building/ Oak St. Parking Lot
Buffalo, New York

Log of Well No. MW-3

BORING LOCATION: Electric Building Parking Lot	TOP OF RISER ELEVATION: fmsl	DATUM: NAGVD
DRILLING CONTRACTOR: SLC Environmental	DATE STARTED: 8/28/02	DATE FINISHED: 8/28/02
DRILLING METHOD: Direct Push (Geoprobe)	TOTAL DEPTH: 16.0 fbgs	SCREEN INTERVAL: 6-16 fbgs
DRILLING EQUIPMENT: Truck-mount Geoprobe	DEPTH TO WATER: FIRST 7 ft / COMPL.	CASING: 1" dia. PVC
SAMPLING METHOD: 4' stainless steel barrel w/ acetate sleeve	LOGGED BY: MAC	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION: NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.
					Surface Elevation: fmsl
0–2	1		NA	0	asphalt, concrete, coarse limestone gravel, some fine sand and silt (fill)
4–6	2		NA	0	**SILT with CLAY (ML)** 50% silt, 50% med. plasticity fines, saturated at 7' bgs, 7.5YR 4/1, locally coarser grained (v. fine sand)
8–10	3		NA	0	
12–14	4		NA	0	**CLAY** 90% high plasticity fines, trace to some silt, 7.5YR 4/1, soft, saturated
16					EOB at 16' bgs

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



APPENDIX C

Laboratory Analytical Data

LSL

Rick Frappa
GeoMatrix Consultants, Inc.
Customer #22854
338 Harris Rd, Ste. 201
Williamsville, NY 14221

Phone: (716) 565-0624
FAX: (716) 565-0625

Laboratory Analysis Report

For

GeoMatrix Consultants, Inc.

Client Project ID:

7193 B

LSL Project ID: **0209497**

Receive Date/Time: 07/11/02 10:23

Project Received by: RD

Life Science Laboratories, Inc.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1105
Fax (315) 445-1301
NYS DOH ELAP #10248

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
Tel. (315) 388-4476
Fax (315) 388-4061
NYS DOH ELAP #10900

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11667

This report was reviewed by: Janice F. Lafferty QC — *Date:* 7/22/02

Life Science Laboratories, Inc

Date Printed: 7/19/02

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: B-1 **LSL Sample ID:** 0209497-001

Location:

Sampled: 07/10/02 8:10 **Sampled By:** MC

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8021 Volatiles					
Benzene	<30	ug/kg dry		7/13/02	LEF
n-Butylbenzene	240	ug/kg dry		7/13/02	LEF
sec-Butylbenzene	210	ug/kg dry		7/13/02	LEF
tert-Butylbenzene	<30	ug/kg dry		7/13/02	LEF
Ethyl benzene	42	ug/kg dry		7/13/02	LEF
Isopropylbenzene (Cumene)	56	ug/kg dry		7/13/02	LEF
4-Isopropyl toluene (Cymene)	300	ug/kg dry		7/13/02	LEF
MTBE	<30	ug/kg dry		7/13/02	LEF
Naphthalene	660	ug/kg dry		7/13/02	LEF
N-Propylbenzene	88	ug/kg dry		7/13/02	LEF
Toluene	<30	ug/kg dry		7/13/02	LEF
1,2,4-Trimethylbenzene	1200	ug/kg dry		7/13/02	LEF
1,3,5-Trimethylbenzene	870	ug/kg dry		7/13/02	LEF
Xylenes (Total)	340	ug/kg dry		7/13/02	LEF
Total Solids @ 103-105 C	89	%		7/12/02	TWB
(1) NYS-DEC STARS 8270 Base/Neutrals					
Acenaphthene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Anthracene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)anthracene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(b)fluoranthene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(k)fluoranthene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(ghi)perylene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)pyrene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Chrysene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Dibenz(a,h)anthracene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Fluoranthene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Fluorene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Indeno(1,2,3-c,d)pyrene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Phenanthrene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Pyrene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Total Solids @ 103-105 C	89	%		7/12/02	TWB

A pattern resembling a degraded Fuel Oil#2 is present at an estimated amount of 120mg/kg dry.

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: B-2 **LSL Sample ID:** 0209497-002

Location:

Sampled: 07/10/02 8:30 **Sampled By:** MC

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8021 Volatiles					
Benzene	<300	ug/kg dry		7/13/02	LEF
n-Butylbenzene	1700	ug/kg dry		7/13/02	LEF
sec-Butylbenzene	1600	ug/kg dry		7/13/02	LEF
tert-Butylbenzene	<300	ug/kg dry		7/13/02	LEF
Ethyl benzene	<300	ug/kg dry		7/13/02	LEF
Isopropylbenzene (Cumene)	340	ug/kg dry		7/13/02	LEF
4-Isopropyl toluene (Cymene)	2600	ug/kg dry		7/13/02	LEF
MTBE	<300	ug/kg dry		7/13/02	LEF
Naphthalene	4900	ug/kg dry		7/13/02	LEF
N-Propylbenzene	470	ug/kg dry		7/13/02	LEF
Toluene	<300	ug/kg dry		7/13/02	LEF
1,2,4-Trimethylbenzene	12000	ug/kg dry		7/13/02	LEF
1,3,5-Trimethylbenzene	7100	ug/kg dry		7/13/02	LEF
Xylenes (Total)	2400	ug/kg dry		7/13/02	LEF
Total Solids @ 103-105 C	89	%		7/12/02	TWB
(1) NYS-DEC STARS 8270 Base/Neutrals					
Acenaphthene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Anthracene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)anthracene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(b)fluoranthene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(k)fluoranthene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(ghi)perylene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)pyrene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Chrysene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Dibenz(a,h)anthracene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Fluoranthene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Fluorene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Indeno(1,2,3-c,d)pyrene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Phenanthrene	10000	ug/kg dry	7/12/02	7/14/02	CRT
Pyrene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Total Solids @ 103-105 C	89	%		7/12/02	TWB

A pattern resembling a degraded Fuel Oil#2 is present at an estimated amount of 6000mg/kg dry.

Life Science Laboratories, Inc.

Date Printed: 7/19/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: B-3 **LSL Sample ID:** 0209497-003

Location:

Sampled: 07/10/02 9:00 **Sampled By:** MC

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8021 Volatiles					
Benzene	<6	ug/kg dry		7/12/02	LEF
n-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
sec-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
tert-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
Ethyl benzene	<6	ug/kg dry		7/12/02	LEF
Isopropylbenzene (Cumene)	<6	ug/kg dry		7/12/02	LEF
4-Isopropyl toluene (Cymene)	<6	ug/kg dry		7/12/02	LEF
MTBE	<6	ug/kg dry		7/12/02	LEF
Naphthalene	<6	ug/kg dry		7/12/02	LEF
N-Propylbenzene	<6	ug/kg dry		7/12/02	LEF
Toluene	<6	ug/kg dry		7/12/02	LEF
1,2,4-Trimethylbenzene	<6	ug/kg dry		7/12/02	LEF
1,3,5-Trimethylbenzene	<6	ug/kg dry		7/12/02	LEF
Xylenes (Total)	<6	ug/kg dry		7/12/02	LEF
Total Solids @ 103-105 C	89	%		7/12/02	TWB
(1) NYS-DEC STARS 8270 Base/Neutrals					
Acenaphthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Anthracene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)anthracene	450	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(b)fluoranthene	510	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(k)fluoranthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(ghi)perylene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)pyrene	370	ug/kg dry	7/12/02	7/14/02	CRT
Chrysene	420	ug/kg dry	7/12/02	7/14/02	CRT
Dibenz(a,h)anthracene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Fluoranthene	780	ug/kg dry	7/12/02	7/14/02	CRT
Fluorene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Indeno(1,2,3-c,d)pyrene	220	ug/kg dry	7/12/02	7/14/02	CRT
Phenanthrene	530	ug/kg dry	7/12/02	7/14/02	CRT
Pyrene	650	ug/kg dry	7/12/02	7/14/02	CRT
Total Solids @ 103-105 C	89	%		7/12/02	TWB

Life Science Laboratories, Inc. **Date Printed:** 7/19/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: B-4 **LSL Sample ID:** 0209497-004

Location:

Sampled: 07/10/02 9:15 **Sampled By:** MC

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8021 Volatiles					
Benzene	<6	ug/kg dry		7/12/02	LEF
n-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
sec-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
tert-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
Ethyl benzene	<6	ug/kg dry		7/12/02	LEF
Isopropylbenzene (Cumene)	<6	ug/kg dry		7/12/02	LEF
4-Isopropyl toluene (Cymene)	<6	ug/kg dry		7/12/02	LEF
MTBE	<6	ug/kg dry		7/12/02	LEF
Naphthalene	<6	ug/kg dry		7/12/02	LEF
N-Propylbenzene	<6	ug/kg dry		7/12/02	LEF
Toluene	<6	ug/kg dry		7/12/02	LEF
1,2,4-Trimethylbenzene	<6	ug/kg dry		7/12/02	LEF
1,3,5-Trimethylbenzene	<6	ug/kg dry		7/12/02	LEF
Xylenes (Total)	<6	ug/kg dry		7/12/02	LEF
Total Solids @ 103-105 C	89	%		7/12/02	TWB
(1) NYS-DEC STARS 8270 Base/Neutrals					
Acenaphthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Anthracene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)anthracene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(b)fluoranthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(k)fluoranthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(ghi)perylene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)pyrene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Chrysene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Dibenz(a,h)anthracene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Fluoranthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Fluorene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Indeno(1,2,3-c,d)pyrene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Phenanthrene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Pyrene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Total Solids @ 103-105 C	89	%		7/12/02	TWB

Life Science Laboratories, Inc. **Date Printed:** 7/19/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: B-8 **LSL Sample ID:** 0209497-005

Location:

Sampled: 07/10/02 10:45 **Sampled By:** MC

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8021 Volatiles					
Benzene	<6	ug/kg dry		7/12/02	LEF
n-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
sec-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
tert-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
Ethyl benzene	<6	ug/kg dry		7/12/02	LEF
Isopropylbenzene (Cumene)	<6	ug/kg dry		7/12/02	LEF
4-Isopropyl toluene (Cymene)	<6	ug/kg dry		7/12/02	LEF
MTBE	<6	ug/kg dry		7/12/02	LEF
Naphthalene	<6	ug/kg dry		7/12/02	LEF
N-Propylbenzene	<6	ug/kg dry		7/12/02	LEF
Toluene	<6	ug/kg dry		7/12/02	LEF
1,2,4-Trimethylbenzene	<6	ug/kg dry		7/12/02	LEF
1,3,5-Trimethylbenzene	<6	ug/kg dry		7/12/02	LEF
Xylenes (Total)	<6	ug/kg dry		7/12/02	LEF
Total Solids @ 103-105 C	85	%		7/12/02	TWB
(1) NYS-DEC STARS 8270 Base/Neutrals					
Acenaphthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Anthracene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)anthracene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(b)fluoranthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(k)fluoranthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(ghi)perylene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)pyrene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Chrysene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Dibenz(a,h)anthracene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Fluoranthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Fluorene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Indeno(1,2,3-c,d)pyrene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Phenanthrene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Pyrene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Total Solids @ 103-105 C	85	%		7/12/02	TWB

Life Science Laboratories, Inc. **Date Printed:** 7/19/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: B-9 **LSL Sample ID:** 0209497-006

Location:

Sampled: 07/10/02 11:15 **Sampled By:** MC

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8021 Volatiles					
Benzene	<6	ug/kg dry		7/12/02	LEF
n-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
sec-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
tert-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
Ethyl benzene	<6	ug/kg dry		7/12/02	LEF
Isopropylbenzene (Cumene)	<6	ug/kg dry		7/12/02	LEF
4-Isopropyl toluene (Cymene)	<6	ug/kg dry		7/12/02	LEF
MTBE	<6	ug/kg dry		7/12/02	LEF
Naphthalene	<6	ug/kg dry		7/12/02	LEF
N-Propylbenzene	<6	ug/kg dry		7/12/02	LEF
Toluene	<6	ug/kg dry		7/12/02	LEF
1,2,4-Trimethylbenzene	<6	ug/kg dry		7/12/02	LEF
1,3,5-Trimethylbenzene	<6	ug/kg dry		7/12/02	LEF
Xylenes (Total)	<6	ug/kg dry		7/12/02	LEF
Total Solids @ 103-105 C	85	%		7/12/02	TWB
(1) NYS-DEC STARS 8270 Base/Neutrals					
Acenaphthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Anthracene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)anthracene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(b)fluoranthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(k)fluoranthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(ghi)perylene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)pyrene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Chrysene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Dibenz(a,h)anthracene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Fluoranthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Fluorene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Indeno(1,2,3-c,d)pyrene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Phenanthrene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Pyrene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Total Solids @ 103-105 C	85	%		7/12/02	TWB

Life Science Laboratories, Inc.

Date Printed: 7/19/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: B-11 **LSL Sample ID:** 0209497-007

Location:

Sampled: 07/10/02 12:00 **Sampled By:** MC

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8021 Volatiles					
Benzene	<600	ug/kg dry		7/13/02	LEF
n-Butylbenzene	<600	ug/kg dry		7/13/02	LEF
sec-Butylbenzene	2500	ug/kg dry		7/13/02	LEF
tert-Butylbenzene	<600	ug/kg dry		7/13/02	LEF
Ethyl benzene	<600	ug/kg dry		7/13/02	LEF
Isopropylbenzene (Cumene)	670	ug/kg dry		7/13/02	LEF
4-Isopropyl toluene (Cymene)	2800	ug/kg dry		7/13/02	LEF
MTBE	<600	ug/kg dry		7/13/02	LEF
Naphthalene	4200	ug/kg dry		7/13/02	LEF
N-Propylbenzene	1800	ug/kg dry		7/13/02	LEF
Toluene	<600	ug/kg dry		7/13/02	LEF
1,2,4-Trimethylbenzene	8800	ug/kg dry		7/13/02	LEF
1,3,5-Trimethylbenzene	3700	ug/kg dry		7/13/02	LEF
Xylenes (Total)	<600	ug/kg dry		7/13/02	LEF
Total Solids @ 103-105 C	86	%		7/12/02	TWB
(1) NYS-DEC STARS 8270 Base/Neutrals					
Acenaphthene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Anthracene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)anthracene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(b)fluoranthene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(k)fluoranthene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(ghi)perylene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)pyrene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Chrysene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Dibenz(a,h)anthracene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Fluoranthene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Fluorene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Indeno(1,2,3-c,d)pyrene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Phenanthrene	1800	ug/kg dry	7/12/02	7/14/02	CRT
Pyrene	<1000	ug/kg dry	7/12/02	7/14/02	CRT
Total Solids @ 103-105 C	86	%		7/12/02	TWB

A pattern resembling a degraded Fuel Oil#2 is present at an estimated amount of 620mg/kg dry.

Life Science Laboratories, Inc. **Date Printed:** 7/19/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: Dup-1 **LSL Sample ID:** 0209497-008

Location:

Sampled: 07/10/02 0:00 **Sampled By:** MC

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8021 Volatiles					
Benzene	<6	ug/kg dry		7/12/02	LEF
n-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
sec-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
tert-Butylbenzene	<6	ug/kg dry		7/12/02	LEF
Ethyl benzene	<6	ug/kg dry		7/12/02	LEF
Isopropylbenzene (Cumene)	<6	ug/kg dry		7/12/02	LEF
4-Isopropyl toluene (Cymene)	<6	ug/kg dry		7/12/02	LEF
MTBE	<6	ug/kg dry		7/12/02	LEF
Naphthalene	<6	ug/kg dry		7/12/02	LEF
N-Propylbenzene	<6	ug/kg dry		7/12/02	LEF
Toluene	<6	ug/kg dry		7/12/02	LEF
1,2,4-Trimethylbenzene	<6	ug/kg dry		7/12/02	LEF
1,3,5-Trimethylbenzene	<6	ug/kg dry		7/12/02	LEF
Xylenes (Total)	<6	ug/kg dry		7/12/02	LEF
Total Solids @ 103-105 C	89	%		7/12/02	TWB
(1) NYS-DEC STARS 8270 Base/Neutrals					
Acenaphthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Anthracene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)anthracene	350	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(b)fluoranthene	360	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(k)fluoranthene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(ghi)perylene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Benzo(a)pyrene	280	ug/kg dry	7/12/02	7/14/02	CRT
Chrysene	330	ug/kg dry	7/12/02	7/14/02	CRT
Dibenz(a,h)anthracene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Fluoranthene	640	ug/kg dry	7/12/02	7/14/02	CRT
Fluorene	<200	ug/kg dry	7/12/02	7/14/02	CRT
Indeno(1,2,3-c,d)pyrene	200	ug/kg dry	7/12/02	7/14/02	CRT
Phenanthrene	450	ug/kg dry	7/12/02	7/14/02	CRT
Pyrene	480	ug/kg dry	7/12/02	7/14/02	CRT
Total Solids @ 103-105 C	89	%		7/12/02	TWB

Life Science Laboratories, Inc.

Date Printed: 7/19/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

Chain-of-Custody Record

0209

GeoMatrixConsult

7/10/02

Page 1 of 1

Project No.: 7193 B

Samplers (Signatures):

ANALYSES

REMARKS

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8010	EPA Method 8020	EPA Method 8240	EPA Method 8270	TPHg by:	TPHd by:	EPA Method 8020 (BTEX)	TPH:	STARS SVOCs 8270	STARS VOCs 8021				Sample depths (interval in ft. bgs)			Acidified	No. of containers
7/10/02	8:10	B-1	S									X	X				7-8'				2
	8:30	B-2	S									X	X				7-8'				2
	9:00	B-3	S									X	X				5-6'				2
	9:15	B-4	S									X	X				7-8'				2
	10:45	B-8	S									X	X				7-8'				2
	11:15	B-9	S									X	X				8-9.5'				2
	12:00	B-11*	S									X	X				4.5-5.5'				1
	—	DUP-1	S									X	X								2

Additional Comments

* Sample B-11 consists of only 1-4 oz. jar. Please extract volume for both SVOC & VOC analysis from this jar.

001 AB
002
003
004
005
006
007
008 AB

Turnaround time: STD

Results to: Rick Frappa

Total No. of containers: 15

Relinquished by (signature):	Date: 7/10	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Printed name: Michael A. Cummings	Time: 5:00	Printed name:	Time:	Printed name:	Time:
Company: Geomatrix		Company:		Company:	
Received (signature):	Date:	Received by (signature):	Date:	Received by (signature): R. Dunbar	Date:
Printed Name:	Time:	Printed Name:	Time:	Printed Name: 07-11-02	Time: 10
Company:		Company:		Company:	

Method of shipment: Fed Ex

Laboratory comments and Log No.:

6.2°C

Geomatrix Consultants
338 Harris Hill Road, Suite 201
Williamsville, New York 14221
(716) 565-0624

LSL

Rick Frappa
GeoMatrix Consultants, Inc.
Customer #22854
338 Harris Rd, Ste. 201
Williamsville, NY 14221

Phone: (716) 565-0624
FAX: (716) 565-0625

Laboratory Analysis Report

For

GeoMatrix Consultants, Inc.

Client Project ID:

7193 B

LSL Project ID: **0209929**

Receive Date/Time: 07/18/02 10:19

Project Received by: GS

Life Science Laboratories, Inc.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1105
Fax (315) 445-1301
NYS DOH ELAP #10248

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
Tel. (315) 388-4476
Fax (315) 388-4061
NYS DOH ELAP #10900

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11667

This report was reviewed by: Linda Waters QC *Date:* 8/1/02

Life Science Laboratories, Inc

Date Printed: 8/1/02

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-1 **LSL Sample ID:** 0209929-001

Location:

Sampled: 07/17/02 8:51 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
Acetone	<10	ug/kg		7/22/02	LEF
Benzene	<5	ug/kg		7/22/02	LEF
Bromodichloromethane	<5	ug/kg		7/22/02	LEF
Bromoform	<5	ug/kg		7/22/02	LEF
Bromomethane	<5	ug/kg		7/22/02	LEF
2-Butanone (MEK)	<10	ug/kg		7/22/02	LEF
Carbon disulfide	<5	ug/kg		7/22/02	LEF
Carbon tetrachloride	<5	ug/kg		7/22/02	LEF
Chlorobenzene	<5	ug/kg		7/22/02	LEF
Chloroethane	<5	ug/kg		7/22/02	LEF
Chloroform	<5	ug/kg		7/22/02	LEF
Chloromethane	<5	ug/kg		7/22/02	LEF
Dibromochloromethane	<5	ug/kg		7/22/02	LEF
1,1-Dichloroethane	<5	ug/kg		7/22/02	LEF
1,2-Dichloroethane	<5	ug/kg		7/22/02	LEF
1,1-Dichloroethene	<5	ug/kg		7/22/02	LEF
1,2-Dichloroethene, Total	<5	ug/kg		7/22/02	LEF
1,2-Dichloropropane	<5	ug/kg		7/22/02	LEF
cis-1,3-Dichloropropene	<5	ug/kg		7/22/02	LEF
trans-1,3-Dichloropropene	<5	ug/kg		7/22/02	LEF
Ethyl benzene	<5	ug/kg		7/22/02	LEF
2-Hexanone	<10	ug/kg		7/22/02	LEF
Methylene chloride	<10	ug/kg		7/22/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/kg		7/22/02	LEF
Styrene	<5	ug/kg		7/22/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/kg		7/22/02	LEF
Tetrachloroethene	<5	ug/kg		7/22/02	LEF
Toluene	<5	ug/kg		7/22/02	LEF
1,1,1-Trichloroethane	<5	ug/kg		7/22/02	LEF
1,1,2-Trichloroethane	<5	ug/kg		7/22/02	LEF
Trichloroethene	<5	ug/kg		7/22/02	LEF
Vinyl chloride	<5	ug/kg		7/22/02	LEF
Xylenes (Total)	<5	ug/kg		7/22/02	LEF
Surrogate (4-BFB)	96	%R		7/22/02	LEF
Surrogate (Tol-d8)	103	%R		7/22/02	LEF
Surrogate (1,2-DCA-d4)	112	%R		7/22/02	LEF
(1) NYS-DEC STARS 8270 Base/Neutrals					
Total Solids @ 103-105 C	86	%		7/29/02	TWB
Acenaphthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(b)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(k)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(ghi)perylene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Chrysene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-1 **LSL Sample ID:** 0209929-001

Location:

Sampled: 07/17/02 8:51 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8270 Base/Neutrals					
Dibenz(a,h)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluorene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Indeno(1,2,3-c,d)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Phenanthrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc.

Date Printed: 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-2 **LSL Sample ID:** 0209929-002

Location:

Sampled: 07/17/02 9:15 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
Acetone	170	ug/kg		7/22/02	LEF
Benzene	<5	ug/kg		7/22/02	LEF
Bromodichloromethane	<5	ug/kg		7/22/02	LEF
Bromoform	<5	ug/kg		7/22/02	LEF
Bromomethane	<5	ug/kg		7/22/02	LEF
2-Butanone (MEK)	<10	ug/kg		7/22/02	LEF
Carbon disulfide	<5	ug/kg		7/22/02	LEF
Carbon tetrachloride	<5	ug/kg		7/22/02	LEF
Chlorobenzene	<5	ug/kg		7/22/02	LEF
Chloroethane	<5	ug/kg		7/22/02	LEF
Chloroform	<5	ug/kg		7/22/02	LEF
Chloromethane	<5	ug/kg		7/22/02	LEF
Dibromochloromethane	<5	ug/kg		7/22/02	LEF
1,1-Dichloroethane	<5	ug/kg		7/22/02	LEF
1,2-Dichloroethane	<5	ug/kg		7/22/02	LEF
1,1-Dichloroethene	<5	ug/kg		7/22/02	LEF
1,2-Dichloroethene, Total	<5	ug/kg		7/22/02	LEF
1,2-Dichloropropane	<5	ug/kg		7/22/02	LEF
cis-1,3-Dichloropropene	<5	ug/kg		7/22/02	LEF
trans-1,3-Dichloropropene	<5	ug/kg		7/22/02	LEF
Ethyl benzene	<5	ug/kg		7/22/02	LEF
2-Hexanone	<10	ug/kg		7/22/02	LEF
Methylene chloride	<10	ug/kg		7/22/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/kg		7/22/02	LEF
Styrene	<5	ug/kg		7/22/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/kg		7/22/02	LEF
Tetrachloroethene	<5	ug/kg		7/22/02	LEF
Toluene	<5	ug/kg		7/22/02	LEF
1,1,1-Trichloroethane	<5	ug/kg		7/22/02	LEF
1,1,2-Trichloroethane	<5	ug/kg		7/22/02	LEF
Trichloroethene	<5	ug/kg		7/22/02	LEF
Vinyl chloride	<5	ug/kg		7/22/02	LEF
Xylenes (Total)	<5	ug/kg		7/22/02	LEF
Surrogate (4-BFB)	97	%R		7/22/02	LEF
Surrogate (Tol-d8)	106	%R		7/22/02	LEF
Surrogate (1,2-DCA-d4)	101	%R		7/22/02	LEF
(1) NYS-DEC STARS 8270 Base/Neutrals					
Total Solids @ 103-105 C	79	%		7/29/02	TWB
Acenaphthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(b)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(k)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(ghi)perylene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Chrysene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-2 **LSL Sample ID:** 0209929-002

Location:

Sampled: 07/17/02 9:15 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8270 Base/Neutrals					
Dibenz(a,h)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluorene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Indeno(1,2,3-c,d)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Phenanthrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc.

Date Printed: 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-3 **LSL Sample ID:** 0209929-003

Location:

Sampled: 07/17/02 9:50 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
Acetone	76	ug/kg		7/22/02	LEF
Benzene	<5	ug/kg		7/22/02	LEF
Bromodichloromethane	<5	ug/kg		7/22/02	LEF
Bromoform	<5	ug/kg		7/22/02	LEF
Bromomethane	<5	ug/kg		7/22/02	LEF
2-Butanone (MEK)	<10	ug/kg		7/22/02	LEF
Carbon disulfide	<5	ug/kg		7/22/02	LEF
Carbon tetrachloride	<5	ug/kg		7/22/02	LEF
Chlorobenzene	<5	ug/kg		7/22/02	LEF
Chloroethane	<5	ug/kg		7/22/02	LEF
Chloroform	<5	ug/kg		7/22/02	LEF
Chloromethane	<5	ug/kg		7/22/02	LEF
Dibromochloromethane	<5	ug/kg		7/22/02	LEF
1,1-Dichloroethane	<5	ug/kg		7/22/02	LEF
1,2-Dichloroethane	<5	ug/kg		7/22/02	LEF
1,1-Dichloroethene	<5	ug/kg		7/22/02	LEF
1,2-Dichloroethene, Total	<5	ug/kg		7/22/02	LEF
1,2-Dichloropropane	<5	ug/kg		7/22/02	LEF
cis-1,3-Dichloropropene	<5	ug/kg		7/22/02	LEF
trans-1,3-Dichloropropene	<5	ug/kg		7/22/02	LEF
Ethyl benzene	<5	ug/kg		7/22/02	LEF
2-Hexanone	<10	ug/kg		7/22/02	LEF
Methylene chloride	<10	ug/kg		7/22/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/kg		7/22/02	LEF
Styrene	<5	ug/kg		7/22/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/kg		7/22/02	LEF
Tetrachloroethene	<5	ug/kg		7/22/02	LEF
Toluene	<5	ug/kg		7/22/02	LEF
1,1,1-Trichloroethane	<5	ug/kg		7/22/02	LEF
1,1,2-Trichloroethane	<5	ug/kg		7/22/02	LEF
Trichloroethene	<5	ug/kg		7/22/02	LEF
Vinyl chloride	<5	ug/kg		7/22/02	LEF
Xylenes (Total)	<5	ug/kg		7/22/02	LEF
Surrogate (4-BFB)	96	%R		7/22/02	LEF
Surrogate (Tol-d8)	99	%R		7/22/02	LEF
Surrogate (1,2-DCA-d4)	104	%R		7/22/02	LEF
(1) NYS-DEC STARS 8270 Base/Neutrals					
Total Solids @ 103-105 C	85	%		7/29/02	TWB
Acenaphthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(b)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(k)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(ghi)perylene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Chrysene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-3 **LSL Sample ID:** 0209929-003

Location:

Sampled: 07/17/02 9:50 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8270 Base/Neutrals					
Dibenz(a,h)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluorene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Indeno(1,2,3-c,d)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Phenanthrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-4A **LSL Sample ID:** 0209929-004

Location:

Sampled: 07/17/02 10:10 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
Acetone	23000	ug/kg		7/22/02	LEF
Benzene	<20	ug/kg		7/22/02	LEF
Bromodichloromethane	<20	ug/kg		7/22/02	LEF
Bromoform	<20	ug/kg		7/22/02	LEF
Bromomethane	<20	ug/kg		7/22/02	LEF
2-Butanone (MEK)	<40	ug/kg		7/22/02	LEF
Carbon disulfide	<20	ug/kg		7/22/02	LEF
Carbon tetrachloride	<20	ug/kg		7/22/02	LEF
Chlorobenzene	<20	ug/kg		7/22/02	LEF
Chloroethane	<20	ug/kg		7/22/02	LEF
Chloroform	<20	ug/kg		7/22/02	LEF
Chloromethane	<20	ug/kg		7/22/02	LEF
Dibromochloromethane	<20	ug/kg		7/22/02	LEF
1,1-Dichloroethane	<20	ug/kg		7/22/02	LEF
1,2-Dichloroethane	<20	ug/kg		7/22/02	LEF
1,1-Dichloroethene	<20	ug/kg		7/22/02	LEF
1,2-Dichloroethene, Total	<20	ug/kg		7/22/02	LEF
1,2-Dichloropropane	<20	ug/kg		7/22/02	LEF
cis-1,3-Dichloropropene	<20	ug/kg		7/22/02	LEF
trans-1,3-Dichloropropene	<20	ug/kg		7/22/02	LEF
Ethyl benzene	<20	ug/kg		7/22/02	LEF
2-Hexanone	<40	ug/kg		7/22/02	LEF
Methylene chloride	<40	ug/kg		7/22/02	LEF
4-Methyl-2-pentanone (MIBK)	<40	ug/kg		7/22/02	LEF
Styrene	<20	ug/kg		7/22/02	LEF
1,1,2,2-Tetrachloroethane	<20	ug/kg		7/22/02	LEF
Tetrachloroethene	<20	ug/kg		7/22/02	LEF
Toluene	<20	ug/kg		7/22/02	LEF
1,1,1-Trichloroethane	<20	ug/kg		7/22/02	LEF
1,1,2-Trichloroethane	<20	ug/kg		7/22/02	LEF
Trichloroethene	<20	ug/kg		7/22/02	LEF
Vinyl chloride	<20	ug/kg		7/22/02	LEF
Xylenes (Total)	<20	ug/kg		7/22/02	LEF
Surrogate (4-BFB)	95	%R		7/22/02	LEF
Surrogate (Tol-d8)	106	%R		7/22/02	LEF
Surrogate (1,2-DCA-d4)	114	%R		7/22/02	LEF
(1) NYS-DEC STARS 8270 Base/Neutrals					
Total Solids @ 103-105 C	86	%		7/29/02	TWB
Acenaphthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)anthracene	500	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(b)fluoranthene	520	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(k)fluoranthene	210	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(ghi)perylene	300	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)pyrene	380	ug/kg dry	7/19/02	7/20/02	CRT
Chrysene	490	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-4A **LSL Sample ID:** 0209929-004

Location:

Sampled: 07/17/02 10:10 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8270 Base/Neutrals					
Dibenz(a,h)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluoranthene	1000	ug/kg dry	7/19/02	7/20/02	CRT
Fluorene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Indeno(1,2,3-c,d)pyrene	340	ug/kg dry	7/19/02	7/20/02	CRT
Phenanthrene	720	ug/kg dry	7/19/02	7/20/02	CRT
Pyrene	850	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

- - LABORATORY ANALYSIS REPORT - -

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-4 **LSL Sample ID:** 0209929-005

Location:

Sampled: 07/17/02 10:05 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
Acetone	<10	ug/kg		7/22/02	LEF
Benzene	<5	ug/kg		7/22/02	LEF
Bromodichloromethane	<5	ug/kg		7/22/02	LEF
Bromoform	<5	ug/kg		7/22/02	LEF
Bromomethane	<5	ug/kg		7/22/02	LEF
2-Butanone (MEK)	<10	ug/kg		7/22/02	LEF
Carbon disulfide	<5	ug/kg		7/22/02	LEF
Carbon tetrachloride	<5	ug/kg		7/22/02	LEF
Chlorobenzene	<5	ug/kg		7/22/02	LEF
Chloroethane	<5	ug/kg		7/22/02	LEF
Chloroform	<5	ug/kg		7/22/02	LEF
Chloromethane	<5	ug/kg		7/22/02	LEF
Dibromochloromethane	<5	ug/kg		7/22/02	LEF
1,1-Dichloroethane	<5	ug/kg		7/22/02	LEF
1,2-Dichloroethane	<5	ug/kg		7/22/02	LEF
1,1-Dichloroethene	<5	ug/kg		7/22/02	LEF
1,2-Dichloroethene, Total	<5	ug/kg		7/22/02	LEF
1,2-Dichloropropane	<5	ug/kg		7/22/02	LEF
cis-1,3-Dichloropropene	<5	ug/kg		7/22/02	LEF
trans-1,3-Dichloropropene	<5	ug/kg		7/22/02	LEF
Ethyl benzene	<5	ug/kg		7/22/02	LEF
2-Hexanone	<10	ug/kg		7/22/02	LEF
Methylene chloride	<10	ug/kg		7/22/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/kg		7/22/02	LEF
Styrene	<5	ug/kg		7/22/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/kg		7/22/02	LEF
Tetrachloroethene	<5	ug/kg		7/22/02	LEF
Toluene	<5	ug/kg		7/22/02	LEF
1,1,1-Trichloroethane	<5	ug/kg		7/22/02	LEF
1,1,2-Trichloroethane	<5	ug/kg		7/22/02	LEF
Trichloroethene	<5	ug/kg		7/22/02	LEF
Vinyl chloride	<5	ug/kg		7/22/02	LEF
Xylenes (Total)	<5	ug/kg		7/22/02	LEF
Surrogate (4-BFB)	98	%R		7/22/02	LEF
Surrogate (Tol-d8)	99	%R		7/22/02	LEF
Surrogate (1,2-DCA-d4)	112	%R		7/22/02	LEF

This sample was also found to contain a compound tentatively identified as Methyl Formate at an estimated concentration of 13000 ug/kg.

(1) NYS-DEC STARS 8270 Base/Neutrals					
Total Solids @ 103-105 C	87	%		7/29/02	TWB
Acenaphthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(b)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(k)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(ghi)perylene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc.

Date Printed: 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-4 **LSL Sample ID:** 0209929-005

Location:

Sampled: 07/17/02 10:05 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8270 Base/Neutrals					
Chrysene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Dibenz(a,h)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluorene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Indeno(1,2,3-c,d)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Phenanthrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc.

Date Printed: 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-5 **LSL Sample ID:** 0209929-006

Location:

Sampled: 07/17/02 10:30 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
Acetone	<10	ug/kg		7/22/02	LEF
Benzene	<5	ug/kg		7/22/02	LEF
Bromodichloromethane	<5	ug/kg		7/22/02	LEF
Bromoform	<5	ug/kg		7/22/02	LEF
Bromomethane	<5	ug/kg		7/22/02	LEF
2-Butanone (MEK)	<10	ug/kg		7/22/02	LEF
Carbon disulfide	<5	ug/kg		7/22/02	LEF
Carbon tetrachloride	<5	ug/kg		7/22/02	LEF
Chlorobenzene	<5	ug/kg		7/22/02	LEF
Chloroethane	<5	ug/kg		7/22/02	LEF
Chloroform	<5	ug/kg		7/22/02	LEF
Chloromethane	<5	ug/kg		7/22/02	LEF
Dibromochloromethane	<5	ug/kg		7/22/02	LEF
1,1-Dichloroethane	<5	ug/kg		7/22/02	LEF
1,2-Dichloroethane	<5	ug/kg		7/22/02	LEF
1,1-Dichloroethene	<5	ug/kg		7/22/02	LEF
1,2-Dichloroethene, Total	<5	ug/kg		7/22/02	LEF
1,2-Dichloropropane	<5	ug/kg		7/22/02	LEF
cis-1,3-Dichloropropene	<5	ug/kg		7/22/02	LEF
trans-1,3-Dichloropropene	<5	ug/kg		7/22/02	LEF
Ethyl benzene	<5	ug/kg		7/22/02	LEF
2-Hexanone	<10	ug/kg		7/22/02	LEF
Methylene chloride	<10	ug/kg		7/22/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/kg		7/22/02	LEF
Styrene	<5	ug/kg		7/22/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/kg		7/22/02	LEF
Tetrachloroethene	<5	ug/kg		7/22/02	LEF
Toluene	<5	ug/kg		7/22/02	LEF
1,1,1-Trichloroethane	<5	ug/kg		7/22/02	LEF
1,1,2-Trichloroethane	<5	ug/kg		7/22/02	LEF
Trichloroethene	<5	ug/kg		7/22/02	LEF
Vinyl chloride	<5	ug/kg		7/22/02	LEF
Xylenes (Total)	<5	ug/kg		7/22/02	LEF
Surrogate (4-BFB)	94	%R		7/22/02	LEF
Surrogate (Tol-d8)	99	%R		7/22/02	LEF
Surrogate (1,2-DCA-d4)	110	%R		7/22/02	LEF
(1) NYS-DEC STARS 8270 Base/Neutrals					
Total Solids @ 103-105 C	87	%		7/29/02	TWB
Acenaphthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(b)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(k)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(ghi)perylene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Chrysene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-5 **LSL Sample ID:** 0209929-006

Location:

Sampled: 07/17/02 10:30 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8270 Base/Neutrals					
Dibenz(a,h)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluorene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Indeno(1,2,3-c,d)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Phenanthrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc.

Date Printed: 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-6 **LSL Sample ID:** 0209929-007

Location:

Sampled: 07/17/02 11:10 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
Acetone	<10	ug/kg		7/24/02	LEF
Benzene	<5	ug/kg		7/24/02	LEF
Bromodichloromethane	<5	ug/kg		7/24/02	LEF
Bromoform	<5	ug/kg		7/24/02	LEF
Bromomethane	<5	ug/kg		7/24/02	LEF
2-Butanone (MEK)	<10	ug/kg		7/24/02	LEF
Carbon disulfide	<5	ug/kg		7/24/02	LEF
Carbon tetrachloride	<5	ug/kg		7/24/02	LEF
Chlorobenzene	<5	ug/kg		7/24/02	LEF
Chloroethane	<5	ug/kg		7/24/02	LEF
Chloroform	<5	ug/kg		7/24/02	LEF
Chloromethane	<5	ug/kg		7/24/02	LEF
Dibromochloromethane	<5	ug/kg		7/24/02	LEF
1,1-Dichloroethane	<5	ug/kg		7/24/02	LEF
1,2-Dichloroethane	<5	ug/kg		7/24/02	LEF
1,1-Dichloroethene	<5	ug/kg		7/24/02	LEF
1,2-Dichloroethene, Total	<5	ug/kg		7/24/02	LEF
1,2-Dichloropropane	<5	ug/kg		7/24/02	LEF
cis-1,3-Dichloropropene	<5	ug/kg		7/24/02	LEF
trans-1,3-Dichloropropene	<5	ug/kg		7/24/02	LEF
Ethyl benzene	<5	ug/kg		7/24/02	LEF
2-Hexanone	<10	ug/kg		7/24/02	LEF
Methylene chloride	<10	ug/kg		7/24/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/kg		7/24/02	LEF
Styrene	<5	ug/kg		7/24/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/kg		7/24/02	LEF
Tetrachloroethene	<5	ug/kg		7/24/02	LEF
Toluene	<5	ug/kg		7/24/02	LEF
1,1,1-Trichloroethane	<5	ug/kg		7/24/02	LEF
1,1,2-Trichloroethane	<5	ug/kg		7/24/02	LEF
Trichloroethene	<5	ug/kg		7/24/02	LEF
Vinyl chloride	<5	ug/kg		7/24/02	LEF
Xylenes (Total)	<5	ug/kg		7/24/02	LEF
Surrogate (4-BFB)	92	%R		7/24/02	LEF
Surrogate (Tol-d8)	115	%R		7/24/02	LEF
Surrogate (1,2-DCA-d4)	119	%R		7/24/02	LEF
(1) NYS-DEC STARS 8270 Base/Neutrals					
Total Solids @ 103-105 C	86	%		7/29/02	TWB
Acenaphthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(b)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(k)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(ghi)perylene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Chrysene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-6 **LSL Sample ID:** 0209929-007

Location:

Sampled: 07/17/02 11:10 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8270 Base/Neutrals					
Dibenz(a,h)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluorene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Indeno(1,2,3-c,d)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Phenanthrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-7A **LSL Sample ID:** 0209929-008

Location:

Sampled: 07/17/02 11:30 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
Acetone	<10	ug/kg		7/24/02	LEF
Benzene	<5	ug/kg		7/24/02	LEF
Bromodichloromethane	<5	ug/kg		7/24/02	LEF
Bromoform	<5	ug/kg		7/24/02	LEF
Bromomethane	<5	ug/kg		7/24/02	LEF
2-Butanone (MEK)	<10	ug/kg		7/24/02	LEF
Carbon disulfide	<5	ug/kg		7/24/02	LEF
Carbon tetrachloride	<5	ug/kg		7/24/02	LEF
Chlorobenzene	<5	ug/kg		7/24/02	LEF
Chloroethane	<5	ug/kg		7/24/02	LEF
Chloroform	<5	ug/kg		7/24/02	LEF
Chloromethane	<5	ug/kg		7/24/02	LEF
Dibromochloromethane	<5	ug/kg		7/24/02	LEF
1,1-Dichloroethane	<5	ug/kg		7/24/02	LEF
1,2-Dichloroethane	<5	ug/kg		7/24/02	LEF
1,1-Dichloroethene	<5	ug/kg		7/24/02	LEF
1,2-Dichloroethene, Total	<5	ug/kg		7/24/02	LEF
1,2-Dichloropropane	<5	ug/kg		7/24/02	LEF
cis-1,3-Dichloropropene	<5	ug/kg		7/24/02	LEF
trans-1,3-Dichloropropene	<5	ug/kg		7/24/02	LEF
Ethyl benzene	<5	ug/kg		7/24/02	LEF
2-Hexanone	<10	ug/kg		7/24/02	LEF
Methylene chloride	<10	ug/kg		7/24/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/kg		7/24/02	LEF
Styrene	<5	ug/kg		7/24/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/kg		7/24/02	LEF
Tetrachloroethene	<5	ug/kg		7/24/02	LEF
Toluene	<5	ug/kg		7/24/02	LEF
1,1,1-Trichloroethane	<5	ug/kg		7/24/02	LEF
1,1,2-Trichloroethane	<5	ug/kg		7/24/02	LEF
Trichloroethene	<5	ug/kg		7/24/02	LEF
Vinyl chloride	<5	ug/kg		7/24/02	LEF
Xylenes (Total)	<5	ug/kg		7/24/02	LEF
Surrogate (4-BFB)	96	%R		7/24/02	LEF
Surrogate (Tol-d8)	104	%R		7/24/02	LEF
Surrogate (1,2-DCA-d4)	109	%R		7/24/02	LEF
(1) NYS-DEC STARS 8270 Base/Neutrals					
Total Solids @ 103-105 C	90	%		7/29/02	TWB
Acenaphthene	<2000	ug/kg dry	7/19/02	7/20/02	CRT
Anthracene	3400	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)anthracene	7900	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(b)fluoranthene	11000	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(k)fluoranthene	2500	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(ghi)perylene	<2000	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)pyrene	6700	ug/kg dry	7/19/02	7/20/02	CRT
Chrysene	7300	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-7A **LSL Sample ID:** 0209929-008

Location:

Sampled: 07/17/02 11:30 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8270 Base/Neutrals					
Dibenz(a,h)anthracene	<2000	ug/kg dry	7/19/02	7/20/02	CRT
Fluoranthene	17000	ug/kg dry	7/19/02	7/20/02	CRT
Fluorene	<2000	ug/kg dry	7/19/02	7/20/02	CRT
Indeno(1,2,3-c,d)pyrene	2300	ug/kg dry	7/19/02	7/20/02	CRT
Phenanthrene	15000	ug/kg dry	7/19/02	7/20/02	CRT
Pyrene	14000	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc.

Date Printed: 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-7 **LSL Sample ID:** 0209929-009

Location:

Sampled: 07/17/02 11:40 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
Acetone	<10	ug/kg		7/24/02	LEF
Benzene	<5	ug/kg		7/24/02	LEF
Bromodichloromethane	<5	ug/kg		7/24/02	LEF
Bromoform	<5	ug/kg		7/24/02	LEF
Bromomethane	<5	ug/kg		7/24/02	LEF
2-Butanone (MEK)	<10	ug/kg		7/24/02	LEF
Carbon disulfide	<5	ug/kg		7/24/02	LEF
Carbon tetrachloride	<5	ug/kg		7/24/02	LEF
Chlorobenzene	<5	ug/kg		7/24/02	LEF
Chloroethane	<5	ug/kg		7/24/02	LEF
Chloroform	<5	ug/kg		7/24/02	LEF
Chloromethane	<5	ug/kg		7/24/02	LEF
Dibromochloromethane	<5	ug/kg		7/24/02	LEF
1,1-Dichloroethane	<5	ug/kg		7/24/02	LEF
1,2-Dichloroethane	<5	ug/kg		7/24/02	LEF
1,1-Dichloroethene	<5	ug/kg		7/24/02	LEF
1,2-Dichloroethene, Total	<5	ug/kg		7/24/02	LEF
1,2-Dichloropropane	<5	ug/kg		7/24/02	LEF
cis-1,3-Dichloropropene	<5	ug/kg		7/24/02	LEF
trans-1,3-Dichloropropene	<5	ug/kg		7/24/02	LEF
Ethyl benzene	<5	ug/kg		7/24/02	LEF
2-Hexanone	<10	ug/kg		7/24/02	LEF
Methylene chloride	<10	ug/kg		7/24/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/kg		7/24/02	LEF
Styrene	<5	ug/kg		7/24/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/kg		7/24/02	LEF
Tetrachloroethene	<5	ug/kg		7/24/02	LEF
Toluene	<5	ug/kg		7/24/02	LEF
1,1,1-Trichloroethane	<5	ug/kg		7/24/02	LEF
1,1,2-Trichloroethane	<5	ug/kg		7/24/02	LEF
Trichloroethene	<5	ug/kg		7/24/02	LEF
Vinyl chloride	<5	ug/kg		7/24/02	LEF
Xylenes (Total)	<5	ug/kg		7/24/02	LEF
Surrogate (4-BFB)	96	%R		7/24/02	LEF
Surrogate (Tol-d8)	98	%R		7/24/02	LEF
Surrogate (1,2-DCA-d4)	105	%R		7/24/02	LEF
(1) NYS-DEC STARS 8270 Base/Neutrals					
Total Solids @ 103-105 C	87	%		7/29/02	TWB
Acenaphthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(b)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(k)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(ghi)perylene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Chrysene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: OLB-7 **LSL Sample ID:** 0209929-009

Location:

Sampled: 07/17/02 11:40 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8270 Base/Neutrals					
Dibenz(a,h)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluorene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Indeno(1,2,3-c,d)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Phenanthrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: TP-1A **LSL Sample ID:** 0209929-010

Location:

Sampled: 07/17/02 13:00 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
Acetone	<10	ug/kg		7/24/02	LEF
Benzene	<5	ug/kg		7/24/02	LEF
Bromodichloromethane	<5	ug/kg		7/24/02	LEF
Bromoform	<5	ug/kg		7/24/02	LEF
Bromomethane	<5	ug/kg		7/24/02	LEF
2-Butanone (MEK)	<10	ug/kg		7/24/02	LEF
Carbon disulfide	<5	ug/kg		7/24/02	LEF
Carbon tetrachloride	<5	ug/kg		7/24/02	LEF
Chlorobenzene	<5	ug/kg		7/24/02	LEF
Chloroethane	<5	ug/kg		7/24/02	LEF
Chloroform	<5	ug/kg		7/24/02	LEF
Chloromethane	<5	ug/kg		7/24/02	LEF
Dibromochloromethane	<5	ug/kg		7/24/02	LEF
1,1-Dichloroethane	<5	ug/kg		7/24/02	LEF
1,2-Dichloroethane	<5	ug/kg		7/24/02	LEF
1,1-Dichloroethene	<5	ug/kg		7/24/02	LEF
1,2-Dichloroethene, Total	<5	ug/kg		7/24/02	LEF
1,2-Dichloropropane	<5	ug/kg		7/24/02	LEF
cis-1,3-Dichloropropene	<5	ug/kg		7/24/02	LEF
trans-1,3-Dichloropropene	<5	ug/kg		7/24/02	LEF
Ethyl benzene	<5	ug/kg		7/24/02	LEF
2-Hexanone	<10	ug/kg		7/24/02	LEF
Methylene chloride	<10	ug/kg		7/24/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/kg		7/24/02	LEF
Styrene	<5	ug/kg		7/24/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/kg		7/24/02	LEF
Tetrachloroethene	<5	ug/kg		7/24/02	LEF
Toluene	5.4	ug/kg		7/24/02	LEF
1,1,1-Trichloroethane	<5	ug/kg		7/24/02	LEF
1,1,2-Trichloroethane	<5	ug/kg		7/24/02	LEF
Trichloroethene	<5	ug/kg		7/24/02	LEF
Vinyl chloride	<5	ug/kg		7/24/02	LEF
Xylenes (Total)	<5	ug/kg		7/24/02	LEF
Surrogate (4-BFB)	97	%R		7/24/02	LEF
Surrogate (Tol-d8)	115	%R		7/24/02	LEF
Surrogate (1,2-DCA-d4)	113	%R		7/24/02	LEF
(1) EPA 8270 TCL Semi-Volatiles					
Acenaphthene	<1	mg/kg	7/19/02	7/20/02	CRT
Acenaphthylene	<1	mg/kg	7/19/02	7/20/02	CRT
Anthracene	<1	mg/kg	7/19/02	7/20/02	CRT
Benzo(a)anthracene	2.0	mg/kg	7/19/02	7/20/02	CRT
Benzo(b)fluoranthene	2.6	mg/kg	7/19/02	7/20/02	CRT
Benzo(k)fluoranthene	<1	mg/kg	7/19/02	7/20/02	CRT
Benzo(ghi)perylene	1	mg/kg	7/19/02	7/20/02	CRT
Benzo(a)pyrene	1.7	mg/kg	7/19/02	7/20/02	CRT
4-Bromophenyi-phenylether	<1	mg/kg	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: TP-4A **LSL Sample ID:** 0209929-010

Location: KC

Sampled: 07/17/02 13:00 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8270 TCL Semi-Volatiles					
Butylbenzylphthalate	<1	mg/kg	7/19/02	7/20/02	CRT
Carbazole	<1	mg/kg	7/19/02	7/20/02	CRT
4-Chloroaniline	<1	mg/kg	7/19/02	7/20/02	CRT
bis(2-Chloroethoxy)methane	<1	mg/kg	7/19/02	7/20/02	CRT
bis(2-Chloroethyl)ether	<1	mg/kg	7/19/02	7/20/02	CRT
bis(2-Chloroisopropyl)ether	<1	mg/kg	7/19/02	7/20/02	CRT
4-Chloro-3-methylphenol	<1	mg/kg	7/19/02	7/20/02	CRT
2-Chloronaphthalene	<1	mg/kg	7/19/02	7/20/02	CRT
2-Chlorophenol	<1	mg/kg	7/19/02	7/20/02	CRT
4-Chlorophenyl-phenylether	<1	mg/kg	7/19/02	7/20/02	CRT
Chrysene	2.2	mg/kg	7/19/02	7/20/02	CRT
Dibenz(a,h)anthracene	<1	mg/kg	7/19/02	7/20/02	CRT
Dibenzofuran	<1	mg/kg	7/19/02	7/20/02	CRT
Di-n-butylphthalate	<1	mg/kg	7/19/02	7/20/02	CRT
1,2-Dichlorobenzene	<1	mg/kg	7/19/02	7/20/02	CRT
1,3-Dichlorobenzene	<1	mg/kg	7/19/02	7/20/02	CRT
1,4-Dichlorobenzene	<1	mg/kg	7/19/02	7/20/02	CRT
3,3'-Dichlorobenzidine	<2	mg/kg	7/19/02	7/20/02	CRT
2,4-Dichlorophenol	<1	mg/kg	7/19/02	7/20/02	CRT
Diethylphthalate	<1	mg/kg	7/19/02	7/20/02	CRT
2,4-Dimethylphenol	<1	mg/kg	7/19/02	7/20/02	CRT
Dimethylphthalate	<1	mg/kg	7/19/02	7/20/02	CRT
2,4-Dinitrophenol	<1	mg/kg	7/19/02	7/20/02	CRT
2,4-Dinitrotoluene	<1	mg/kg	7/19/02	7/20/02	CRT
2,6-Dinitrotoluene	<1	mg/kg	7/19/02	7/20/02	CRT
Di-n-octylphthalate	<1	mg/kg	7/19/02	7/20/02	CRT
bis(2-Ethylhexyl)phthalate	<1	mg/kg	7/19/02	7/20/02	CRT
Fluoranthene	5.0	mg/kg	7/19/02	7/20/02	CRT
Fluorene	<1	mg/kg	7/19/02	7/20/02	CRT
Hexachlorobenzene	<1	mg/kg	7/19/02	7/20/02	CRT
Hexachlorobutadiene	<1	mg/kg	7/19/02	7/20/02	CRT
Hexachlorocyclopentadiene	<1	mg/kg	7/19/02	7/20/02	CRT
Hexachloroethane	<1	mg/kg	7/19/02	7/20/02	CRT
Indeno(1,2,3-c,d)pyrene	1.2	mg/kg	7/19/02	7/20/02	CRT
Isophorone	<1	mg/kg	7/19/02	7/20/02	CRT
2-Methyl-4,6-dinitrophenol	<2	mg/kg	7/19/02	7/20/02	CRT
2-Methylnaphthalene	<1	mg/kg	7/19/02	7/20/02	CRT
2-Methylphenol (o-Cresol)	<1	mg/kg	7/19/02	7/20/02	CRT
4-Methylphenol (p-Cresol)	<1	mg/kg	7/19/02	7/20/02	CRT
Naphthalene	<1	mg/kg	7/19/02	7/20/02	CRT
2-Nitroaniline	<2	mg/kg	7/19/02	7/20/02	CRT
3-Nitroaniline	<2	mg/kg	7/19/02	7/20/02	CRT
4-Nitroaniline	<1	mg/kg	7/19/02	7/20/02	CRT
Nitrobenzene	<1	mg/kg	7/19/02	7/20/02	CRT
2-Nitrophenol (o-Nitrophenol)	<1	mg/kg	7/19/02	7/20/02	CRT
4-Nitrophenol	<1	mg/kg	7/19/02	7/20/02	CRT
N-Nitrosodiphenylamine					

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: TP-1A **LSL Sample ID:** 0209929-010

Location: LF

Sampled: 07/17/02 13:00 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8270 TCL Semi-Volatiles					
N-Nitroso-di-n-propylamine	<1	mg/kg	7/19/02	7/20/02	CRT
Pentachlorophenol	<2	mg/kg	7/19/02	7/20/02	CRT
Phenanthrene	3.7	mg/kg	7/19/02	7/20/02	CRT
Phenol	<1	mg/kg	7/19/02	7/20/02	CRT
Pyrene	3.9	mg/kg	7/19/02	7/20/02	CRT
1,2,4-Trichlorobenzene	<1	mg/kg	7/19/02	7/20/02	CRT
2,4,5-Trichlorophenol	<1	mg/kg	7/19/02	7/20/02	CRT
2,4,6-Trichlorophenol	<1	mg/kg	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. Date Printed: 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: TP-4 LF **LSL Sample ID:** 0209929-011

Location:

Sampled: 07/17/02 13:10 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ASTM E-502-84 Ignitability					
Ignitability	>60	Degrees C		7/23/02	DWK
(1) EPA 8082 PCB's					
Aroclor-1016	<0.2	mg/kg	7/23/02	7/24/02	CRT
Aroclor-1221	<0.2	mg/kg	7/23/02	7/24/02	CRT
Aroclor-1232	<0.2	mg/kg	7/23/02	7/24/02	CRT
Aroclor-1242	<0.2	mg/kg	7/23/02	7/24/02	CRT
Aroclor-1248	<0.2	mg/kg	7/23/02	7/24/02	CRT
Aroclor-1254	<0.2	mg/kg	7/23/02	7/24/02	CRT
Aroclor-1260	1.3	mg/kg	7/23/02	7/24/02	CRT
(1) EPA 8260B TCL Volatiles					
Acetone	<40	ug/kg		7/24/02	LEF
Benzene	64	ug/kg		7/24/02	LEF
Bromodichloromethane	<20	ug/kg		7/24/02	LEF
Bromoform	<20	ug/kg		7/24/02	LEF
Bromomethane	<20	ug/kg		7/24/02	LEF
2-Butanone (MEK)	<40	ug/kg		7/24/02	LEF
Carbon disulfide	<20	ug/kg		7/24/02	LEF
Carbon tetrachloride	<20	ug/kg		7/24/02	LEF
Chlorobenzene	<20	ug/kg		7/24/02	LEF
Chloroethane	<20	ug/kg		7/24/02	LEF
Chloroform	<20	ug/kg		7/24/02	LEF
Chloromethane	<20	ug/kg		7/24/02	LEF
Dibromochloromethane	<20	ug/kg		7/24/02	LEF
1,1-Dichloroethane	<20	ug/kg		7/24/02	LEF
1,2-Dichloroethane	<20	ug/kg		7/24/02	LEF
1,1-Dichloroethene	<20	ug/kg		7/24/02	LEF
1,2-Dichloroethene, Total	<20	ug/kg		7/24/02	LEF
1,2-Dichloropropane	<20	ug/kg		7/24/02	LEF
cis-1,3-Dichloropropene	<20	ug/kg		7/24/02	LEF
trans-1,3-Dichloropropene	<20	ug/kg		7/24/02	LEF
Ethyl benzene	470	ug/kg		7/24/02	LEF
2-Hexanone	<40	ug/kg		7/24/02	LEF
Methylene chloride	<40	ug/kg		7/24/02	LEF
4-Methyl-2-pentanone (MIBK)	<40	ug/kg		7/24/02	LEF
Styrene	<20	ug/kg		7/24/02	LEF
1,1,2,2-Tetrachloroethane	<20	ug/kg		7/24/02	LEF
Tetrachloroethene	<20	ug/kg		7/24/02	LEF
Toluene	170	ug/kg		7/24/02	LEF
1,1,1-Trichloroethane	<20	ug/kg		7/24/02	LEF
1,1,2-Trichloroethane	<20	ug/kg		7/24/02	LEF
Trichloroethene	<20	ug/kg		7/24/02	LEF
Vinyl chloride	<20	ug/kg		7/24/02	LEF
Xylenes (Total)	1400	ug/kg		7/24/02	LEF
Surrogate (4-BFB)	104	%R		7/24/02	LEF
Surrogate (Tol-d8)	115	%R		7/24/02	LEF
Surrogate (1,2-DCA-d4)	115	%R		7/24/02	LEF

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: TP-4 RC **LSL Sample ID:** 0209929-011

Location:

Sampled: 07/17/02 13:10 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8270 TCL Semi-Volatiles					
Acenaphthene	<1	mg/kg	7/19/02	7/27/02	CRT
Acenaphthylene	<1	mg/kg	7/19/02	7/27/02	CRT
Anthracene	<1	mg/kg	7/19/02	7/27/02	CRT
Benzo(a)anthracene	1.7	mg/kg	7/19/02	7/27/02	CRT
Benzo(b)fluoranthene	2.2	mg/kg	7/19/02	7/27/02	CRT
Benzo(k)fluoranthene	<1	mg/kg	7/19/02	7/27/02	CRT
Benzo(ghi)perylene	<1	mg/kg	7/19/02	7/27/02	CRT
Benzo(a)pyrene	1.3	mg/kg	7/19/02	7/27/02	CRT
4-Bromophenyl-phenylether	<1	mg/kg	7/19/02	7/27/02	CRT
Butylbenzylphthalate	<1	mg/kg	7/19/02	7/27/02	CRT
Carbazole	<1	mg/kg	7/19/02	7/27/02	CRT
4-Chloroaniline	<1	mg/kg	7/19/02	7/27/02	CRT
bis(2-Chloroethoxy)methane	<1	mg/kg	7/19/02	7/27/02	CRT
bis(2-Chloroethyl)ether	<1	mg/kg	7/19/02	7/27/02	CRT
bis(2-Chloroisopropyl)ether	<1	mg/kg	7/19/02	7/27/02	CRT
4-Chloro-3-methylphenol	<1	mg/kg	7/19/02	7/27/02	CRT
2-Chloronaphthalene	<1	mg/kg	7/19/02	7/27/02	CRT
2-Chlorophenol	<1	mg/kg	7/19/02	7/27/02	CRT
4-Chlorophenyl-phenylether	<1	mg/kg	7/19/02	7/27/02	CRT
Chrysene	2.0	mg/kg	7/19/02	7/27/02	CRT
Dibenz(a,h)anthracene	<1	mg/kg	7/19/02	7/27/02	CRT
Dibenzofuran	<1	mg/kg	7/19/02	7/27/02	CRT
Di-n-butylphthalate	<1	mg/kg	7/19/02	7/27/02	CRT
1,2-Dichlorobenzene	<1	mg/kg	7/19/02	7/27/02	CRT
1,3-Dichlorobenzene	<1	mg/kg	7/19/02	7/27/02	CRT
1,4-Dichlorobenzene	<1	mg/kg	7/19/02	7/27/02	CRT
3,3'-Dichlorobenzidine	<2	mg/kg	7/19/02	7/27/02	CRT
2,4-Dichlorophenol	<1	mg/kg	7/19/02	7/27/02	CRT
Diethylphthalate	<1	mg/kg	7/19/02	7/27/02	CRT
2,4-Dimethylphenol	<1	mg/kg	7/19/02	7/27/02	CRT
Dimethylphthalate	<1	mg/kg	7/19/02	7/27/02	CRT
2,4-Dinitrophenol	<1	mg/kg	7/19/02	7/27/02	CRT
2,4-Dinitrotoluene	<1	mg/kg	7/19/02	7/27/02	CRT
2,6-Dinitrotoluene	<1	mg/kg	7/19/02	7/27/02	CRT
Di-n-octylphthalate	<1	mg/kg	7/19/02	7/27/02	CRT
bis(2-Ethylhexyl)phthalate	<1	mg/kg	7/19/02	7/27/02	CRT
Fluoranthene	4.6	mg/kg	7/19/02	7/27/02	CRT
Fluorene	<1	mg/kg	7/19/02	7/27/02	CRT
Hexachlorobenzene	<1	mg/kg	7/19/02	7/27/02	CRT
Hexachlorobutadiene	<1	mg/kg	7/19/02	7/27/02	CRT
Hexachlorocyclopentadiene	<1	mg/kg	7/19/02	7/27/02	CRT
Hexachloroethane	<1	mg/kg	7/19/02	7/27/02	CRT
Indeno(1,2,3-c,d)pyrene	<1	mg/kg	7/19/02	7/27/02	CRT
Isophorone	<1	mg/kg	7/19/02	7/27/02	CRT
2-Methyl-4,6-dinitrophenol	<2	mg/kg	7/19/02	7/27/02	CRT
2-Methylnaphthalene	2.8	mg/kg	7/19/02	7/27/02	CRT
2-Methylphenol (o-Cresol)	<1	mg/kg	7/19/02	7/27/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: TP-4 R.F **LSL Sample ID:** 0209929-011

Location:

Sampled: 07/17/02 13:10 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8270 TCL Semi-Volatiles					
4-Methylphenol (p-Cresol)	<1	mg/kg	7/19/02	7/27/02	CRT
Naphthalene	2.3	mg/kg	7/19/02	7/27/02	CRT
2-Nitroaniline	<2	mg/kg	7/19/02	7/27/02	CRT
3-Nitroaniline	<2	mg/kg	7/19/02	7/27/02	CRT
4-Nitroaniline	<2	mg/kg	7/19/02	7/27/02	CRT
Nitrobenzene	<1	mg/kg	7/19/02	7/27/02	CRT
2-Nitrophenol (o-Nitrophenol)	<1	mg/kg	7/19/02	7/27/02	CRT
4-Nitrophenol	<1	mg/kg	7/19/02	7/27/02	CRT
N-Nitrosodiphenylamine	<1	mg/kg	7/19/02	7/27/02	CRT
N-Nitroso-di-n-propylamine	<1	mg/kg	7/19/02	7/27/02	CRT
Pentachlorophenol	<2	mg/kg	7/19/02	7/27/02	CRT
Phenanthrene	3.7	mg/kg	7/19/02	7/27/02	CRT
Phenol	<1	mg/kg	7/19/02	7/27/02	CRT
Pyrene	3.5	mg/kg	7/19/02	7/27/02	CRT
1,2,4-Trichlorobenzene	<1	mg/kg	7/19/02	7/27/02	CRT
2,4,5-Trichlorophenol	<1	mg/kg	7/19/02	7/27/02	CRT
2,4,6-Trichlorophenol	<1	mg/kg	7/19/02	7/27/02	CRT

A pattern resembling Kerosene is present at an estimated amount of 220mg/kg. A pattern resembling Lubricating Oil is present at an estimated amount of 9700mg/kg.

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: Dup-1 DUP-4K **LSL Sample ID:** 0209929-012

Location:

Sampled: 07/17/02 0:00 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
Acetone	<10	ug/kg		7/24/02	LEF
Benzene	<5	ug/kg		7/24/02	LEF
Bromodichloromethane	<5	ug/kg		7/24/02	LEF
Bromoform	<5	ug/kg		7/24/02	LEF
Bromomethane	<5	ug/kg		7/24/02	LEF
2-Butanone (MEK)	<10	ug/kg		7/24/02	LEF
Carbon disulfide	<5	ug/kg		7/24/02	LEF
Carbon tetrachloride	<5	ug/kg		7/24/02	LEF
Chlorobenzene	<5	ug/kg		7/24/02	LEF
Chloroethane	<5	ug/kg		7/24/02	LEF
Chloroform	<5	ug/kg		7/24/02	LEF
Chloromethane	<5	ug/kg		7/24/02	LEF
Dibromochloromethane	<5	ug/kg		7/24/02	LEF
1,1-Dichloroethane	<5	ug/kg		7/24/02	LEF
1,2-Dichloroethane	<5	ug/kg		7/24/02	LEF
1,1-Dichloroethene	<5	ug/kg		7/24/02	LEF
1,2-Dichloroethene, Total	<5	ug/kg		7/24/02	LEF
1,2-Dichloropropane	<5	ug/kg		7/24/02	LEF
cis-1,3-Dichloropropene	<5	ug/kg		7/24/02	LEF
trans-1,3-Dichloropropene	<5	ug/kg		7/24/02	LEF
Ethyl benzene	<5	ug/kg		7/24/02	LEF
2-Hexanone	<10	ug/kg		7/24/02	LEF
Methylene chloride	<10	ug/kg		7/24/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/kg		7/24/02	LEF
Styrene	<5	ug/kg		7/24/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/kg		7/24/02	LEF
Tetrachloroethene	<5	ug/kg		7/24/02	LEF
Toluene	<5	ug/kg		7/24/02	LEF
1,1,1-Trichloroethane	<5	ug/kg		7/24/02	LEF
1,1,2-Trichloroethane	<5	ug/kg		7/24/02	LEF
Trichloroethene	<5	ug/kg		7/24/02	LEF
Vinyl chloride	<5	ug/kg		7/24/02	LEF
Xylenes (Total)	<5	ug/kg		7/24/02	LEF
Surrogate (4-BFB)	99	%R		7/24/02	LEF
Surrogate (Tol-d8)	106	%R		7/24/02	LEF
Surrogate (1,2-DCA-d4)	109	%R		7/24/02	LEF
(1) NYS-DEC STARS 8270 Base/Neutrals					
Total Solids @ 103-105 C	87	%		7/29/02	TWB
Acenaphthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(b)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(k)fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(ghi)perylene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Benzo(a)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Chrysene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. **Date Printed:** 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

GeoMatrix Consultants, Inc. *Williamsville, NY 14221*

Sample ID: Dup-1 **LSL Sample ID:** 0209929-012

Location: OLB4A

Sampled: 07/17/02 0:00 **Sampled By:**

Sample Matrix: SHW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) NYS-DEC STARS 8270 Base/Neutrals					
Dibenz(a,h)anthracene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluoranthene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Fluorene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Indeno(1,2,3-c,d)pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Phenanthrene	<200	ug/kg dry	7/19/02	7/20/02	CRT
Pyrene	<200	ug/kg dry	7/19/02	7/20/02	CRT

Life Science Laboratories, Inc. Date Printed: 8/1/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

Chain-of-Custody Record

0230

Date: 7/17/02 | Page 1 of 1

Project No.: 7193 B

Samplers (Signature): Michael A Cummings

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8010	EPA Method 8020	EPA Method 8240	EPA Method 8270	TPHg by:	TPHd by:	EPA Method 8020 (BTEX)	TPH:	STARS SVOCs 8270D	BTEX SVOCs	TCL VOCs 8260	PCBs 8082	Ignitability						Acidified	No. of containers
7-17-02	8:57	OLB-1	S									X		X									1
	9:15	OLB-2	S									X		X									1
	9:50	OLB-3	S									X		X									1
	10:10	OLB-4A	S									X		X									1
	10:15	OLB-4	S									X		X									1
	10:30	OLB-5	S									X		X									1
	11:10	OLB-6	S									X		X									1
	11:30	OLB-7A	S									X		X									1
	11:40	OLB-7	S									X		X									1
	13:00	TP-4A	S										X	X									1
	13:10	TP-4	S										X	X	X	X							1
	—	DUP-1	S									X		X									1

Turnaround time: STD

Results to: Rick Frappier

Total No. of containers: 12

REMARKS

Additional Comments

0209929
GeoMatrixConsult

Relinquished by (signature):	Date: 7/17
Printed name: Michael A Cummings	Time: —
Company: Geomatrix Consultants	
Received (signature):	Date:
Printed Name:	Time:
Company:	

Relinquished by (signature):	Date:
Printed name:	Time:
Company:	
Received by (signature):	Date:
Printed Name:	Time:
Company:	

Relinquished by (signature):	Date:
Printed name:	Time:
Company:	
Received by (signature):	Date: 07-1
Printed Name: Greg Smith	Time:
Company: 7.6 GC	

Method of shipment: Fed Ex

Laboratory comments and Log No.:

-02 10:19 RCVD

Geomatrix Consultants
338 Harris Hill Road, Suite 201
Williamsville, New York 14221
(716) 565-0624

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

PCB Analysis Report for Soils/Solids/Sludges

Client: Geomatirx Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2194
		Lab Sample Number:	8063
Client Job Number:	7193 B		
Field Location:	TP-K3	**Date Sampled:**	08/28/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Soil	**Date Analyzed:**	09/08/2002

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.468
Aroclor 1221	ND< 0.468
Aroclor 1232	ND< 0.468
Aroclor 1242	ND< 0.468
Aroclor 1248	ND< 0.468
Aroclor 1254	ND< 0.468
Aroclor 1260	ND< 0.468

ELAP Number 10958 Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022194P1.XLS

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

PCB Analysis Report for Soils/Solids/Sludges

Client: Geomatirx Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2194
		Lab Sample Number:	8064
Client Job Number:	7193 B		
Field Location:	TP-~~6~~ G RHF	**Date Sampled:**	08/28/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Soil	**Date Analyzed:**	09/08/2002

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.495
Aroclor 1221	ND< 0.495
Aroclor 1232	ND< 0.495
Aroclor 1242	ND< 0.495
Aroclor 1248	ND< 0.495
Aroclor 1254	ND< 0.495
Aroclor 1260	ND< 0.495

ELAP Number 10958 Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature:
Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022194P2.XLS

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

PCB Analysis Report for Soils/Solids/Sludges

Client: Geomatirx Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2194
		Lab Sample Number:	8065
Client Job Number:	7193 B		
Field Location:	TP-1 RHF	**Date Sampled:**	08/28/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Soil	**Date Analyzed:**	09/08/2002

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.551
Aroclor 1221	ND< 0.551
Aroclor 1232	ND< 0.551
Aroclor 1242	ND< 0.551
Aroclor 1248	ND< 0.551
Aroclor 1254	ND< 0.551
Aroclor 1260	ND< 0.551

ELAP Number 10958 Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022194P3.XLS

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

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

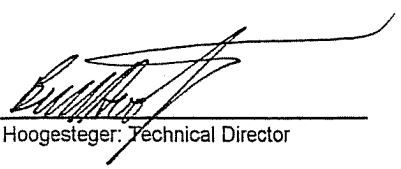
Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2194
		Lab Sample Number:	8063
Client Job Number:	7193 B		
Field Location:	TP-K3	**Date Sampled:**	08/28/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Soil	**Date Analyzed:**	09/09/2002

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 16,300
Anthracene	154,000
Benzo (a) anthracene	64,600
Benzo (a) pyrene	59,100
Benzo (b) fluoranthene	49,200
Benzo (g,h,i) perylene	31,600
Benzo (k) fluoranthene	35,000
Chrysene	65,000
Dibenz (a,h) anthracene	ND< 16,300
Fluoranthene	144,000
Fluorene	21,300
Indeno (1,2,3-cd) pyrene	37,800
Naphthalene	23,800
Phenanthrene	42,300
Pyrene	131,000

ELAP Number 10958 Method: EPA 8270C Data File: 5643.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022194S1.XLS

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

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2194
		Lab Sample Number:	8064
Client Job Number:	7193 B		
Field Location:	TP-~~8~~6 RHF	**Date Sampled:**	08/28/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Soil	**Date Analyzed:**	09/09/2002

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 3,800
Anthracene	10,200
Benzo (a) anthracene	4,330
Benzo (a) pyrene	4,220
Benzo (b) fluoranthene	ND< 3,800
Benzo (g,h,i) perylene	ND< 3,800
Benzo (k) fluoranthene	ND< 3,800
Chrysene	4,660
Dibenz (a,h) anthracene	ND< 3,800
Fluoranthene	10,800
Fluorene	ND< 3,800
Indeno (1,2,3-cd) pyrene	ND< 3,800
Naphthalene	ND< 3,800
Phenanthrene	ND< 3,800
Pyrene	9,990

ELAP Number 10958 Method: EPA 8270C Data File: 5644.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022194s2.xls

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

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2194
		Lab Sample Number:	8065
Client Job Number:	7193 B		
Field Location:	TP-1 RHF	**Date Sampled:**	08/28/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Soil	**Date Analyzed:**	09/09/2002

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 3,200
Anthracene	6,660
Benzo (a) anthracene	3,920
Benzo (a) pyrene	4,360
Benzo (b) fluoranthene	3,900
Benzo (g,h,i) perylene	ND< 3,200
Benzo (k) fluoranthene	3,240
Chrysene	5,330
Dibenz (a,h) anthracene	ND< 3,200
Fluoranthene	10,800
Fluorene	ND< 3,200
Indeno (1,2,3-cd) pyrene	3,530
Naphthalene	ND< 3,200
Phenanthrene	ND< 3,200
Pyrene	10,300

ELAP Number 10958 Method: EPA 8270C Data File: 5645.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022194S3.XLS

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

Volatile Analysis Report for Soils/Solids/Sludges

Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2194
		Lab Sample Number:	8063
Client Job Number:	7193 B		
Field Location:	TP-K3	**Date Sampled:**	08/28/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Soil	**Date Analyzed:**	09/05/2002

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.41
Bromomethane	ND< 7.41
Bromoform	ND< 7.41
Carbon tetrachloride	ND< 7.41
Chloroethane	ND< 7.41
Chloromethane	ND< 7.41
2-Chloroethyl vinyl ether	ND< 7.41
Chloroform	ND< 7.41
Dibromochloromethane	ND< 7.41
1,1-Dichloroethane	ND< 7.41
1,2-Dichloroethane	ND< 7.41
1,1-Dichloroethene	ND< 7.41
cis-1,2-Dichloroethene	ND< 7.41
trans-1,2-Dichloroethene	ND< 7.41
1,2-Dichloropropane	ND< 7.41
cis-1,3-Dichloropropene	ND< 7.41
trans-1,3-Dichloropropene	ND< 7.41
Methylene chloride	ND< 18.5
1,1,2,2-Tetrachloroethane	ND< 7.41
Tetrachloroethene	ND< 7.41
1,1,1-Trichloroethane	ND< 7.41
1,1,2-Trichloroethane	ND< 7.41
Trichloroethene	ND< 7.41
Trichlorofluoromethane	ND< 7.41
Vinyl Chloride	ND< 7.41

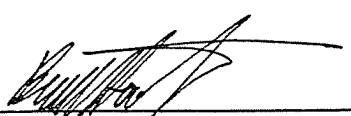
Aromatics	Results in ug / Kg
Benzene	ND< 7.41
Chlorobenzene	ND< 7.41
Ethylbenzene	ND< 7.41
Toluene	ND< 7.41
m,p - Xylene	ND< 7.41
o - Xylene	ND< 7.41
Styrene	ND< 7.41
1,2-Dichlorobenzene	ND< 7.41
1,3-Dichlorobenzene	ND< 7.41
1,4-Dichlorobenzene	ND< 7.41

Ketones	Results in ug / Kg
Acetone	ND< 37.1
2-Butanone	ND< 18.5
2-Hexanone	ND< 18.5
4-Methyl-2-pentanone	ND< 18.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 18.5
Vinyl acetate	ND< 18.5

ELAP Number 10958 Method: EPA 8260B Data File: 61529.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022194V1.XLS

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

Volatile Analysis Report for Soils/Solids/Sludges

Client: Geomatrix Consultants

Client Job Site: N/A
Client Job Number: 7193 B
Field Location: TP-8 G RMF
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 02-2194
Lab Sample Number: 8064
Date Sampled: 08/28/2002
Date Received: 08/30/2002
Date Analyzed: 09/05/2002

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 12.7
Bromomethane	ND< 12.7
Bromoform	ND< 12.7
Carbon tetrachloride	ND< 12.7
Chloroethane	ND< 12.7
Chloromethane	ND< 12.7
2-Chloroethyl vinyl ether	ND< 12.7
Chloroform	ND< 12.7
Dibromochloromethane	ND< 12.7
1,1-Dichloroethane	ND< 12.7
1,2-Dichloroethane	ND< 12.7
1,1-Dichloroethene	ND< 12.7
cis-1,2-Dichloroethene	ND< 12.7
trans-1,2-Dichloroethene	ND< 12.7
1,2-Dichloropropane	ND< 12.7
cis-1,3-Dichloropropene	ND< 12.7
trans-1,3-Dichloropropene	ND< 12.7
Methylene chloride	ND< 31.8
1,1,2,2-Tetrachloroethane	ND< 12.7
Tetrachloroethene	ND< 12.7
1,1,1-Trichloroethane	ND< 12.7
1,1,2-Trichloroethane	ND< 12.7
Trichloroethene	ND< 12.7
Trichlorofluoromethane	ND< 12.7
Vinyl Chloride	ND< 12.7

Aromatics	Results in ug / Kg
Benzene	ND< 12.7
Chlorobenzene	ND< 12.7
Ethylbenzene	ND< 12.7
Toluene	ND< 12.7
m,p - Xylene	ND< 12.7
o - Xylene	ND< 12.7
Styrene	ND< 12.7
1,2-Dichlorobenzene	ND< 12.7
1,3-Dichlorobenzene	ND< 12.7
1,4-Dichlorobenzene	ND< 12.7

Ketones	Results in ug / Kg
Acetone	ND< 63.6
2-Butanone	ND< 31.8
2-Hexanone	ND< 31.8
4-Methyl-2-pentanone	ND< 31.8

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 31.8
Vinyl acetate	ND< 31.8

ELAP Number 10958 Method: EPA 8260B Data File: 61527.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022194V2.XLS

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

Volatile Analysis Report for Soils/Solids/Sludges

Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2194
		Lab Sample Number:	8065
Client Job Number:	7193 B RMF		
Field Location:	TP-I	**Date Sampled:**	08/28/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Soil	**Date Analyzed:**	09/05/2002

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 11.1
Bromomethane	ND< 11.1
Bromoform	ND< 11.1
Carbon tetrachloride	ND< 11.1
Chloroethane	ND< 11.1
Chloromethane	ND< 11.1
2-Chloroethyl vinyl ether	ND< 11.1
Chloroform	ND< 11.1
Dibromochloromethane	ND< 11.1
1,1-Dichloroethane	ND< 11.1
1,2-Dichloroethane	ND< 11.1
1,1-Dichloroethene	ND< 11.1
cis-1,2-Dichloroethene	ND< 11.1
trans-1,2-Dichloroethene	ND< 11.1
1,2-Dichloropropane	ND< 11.1
cis-1,3-Dichloropropene	ND< 11.1
trans-1,3-Dichloropropene	ND< 11.1
Methylene chloride	ND< 27.8
1,1,2,2-Tetrachloroethane	ND< 11.1
Tetrachloroethene	ND< 11.1
1,1,1-Trichloroethane	ND< 11.1
1,1,2-Trichloroethane	ND< 11.1
Trichloroethene	ND< 11.1
Trichlorofluoromethane	ND< 11.1
Vinyl Chloride	ND< 11.1

Aromatics	Results in ug / Kg
Benzene	ND< 11.1
Chlorobenzene	ND< 11.1
Ethylbenzene	ND< 11.1
Toluene	ND< 11.1
m,p - Xylene	ND< 11.1
o - Xylene	ND< 11.1
Styrene	ND< 11.1
1,2-Dichlorobenzene	ND< 11.1
1,3-Dichlorobenzene	ND< 11.1
1,4-Dichlorobenzene	ND< 11.1

Ketones	Results in ug / Kg
Acetone	ND< 55.7
2-Butanone	ND< 27.8
2-Hexanone	ND< 27.8
4-Methyl-2-pentanone	ND< 27.8

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 27.8
Vinyl acetate	ND< 27.8

ELAP Number 10958 Method: EPA 8260B Data File: 61528.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022194V3.XLS

Chain-of-Custody Record

0243

Date: 8/29/02

Page 1 of 1

Project No.: 7193 B

Samplers (Signatures):

ANALYSES

REMARKS

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8010	EPA Method 8020	EPA Method 8240	EPA Method 8270	TPHg by:	TPHd by:	EPA Method 8020 (BTEX)	TPH:	STARS SVOCs	8240 TCL VOCs	PCBs	Acidified	No. of containers
8/28/02	9:00	TP-K3	S									X	X	X		3 - 8063
	9:30	TP-6	S									X	X	X		3 - 8064
	10:00	TP-I	S									X	X	X		3 - 8065

Additional Comments

* 5 DAY TURNAROUND

THANKS!

02-2194

Turnaround time: STD (5day)

Results to: Rick Frappa

Total No. of containers:

Relinquished by (signature):	Date: 8/29	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Printed name: Michael A. Cummings	Time:	Printed name:	Time:	Printed name:	Time:
Company: Geomatrix		Company:		Company:	
Received (signature): Michael A McMahon	Date: 8/29/02 11:40	Received by (signature):	Date:	Received by (signature): Pamela M. Blake	Date: 8/30/02
Printed Name:	Time:	Printed Name:	Time:	Printed Name: Pamela M. Blake	Time: 9:30
Company:		Company:		Company: Paradigm	

Method of shipment: Lab Pickup

Laboratory comments and Log No.: IPC iced rec'd

Geomatrix Consultants
338 Harris Hill Road, Suite 201
Williamsville, New York 14221
(716) 565-0624

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

Semi -Volatile STARS Analysis Report for Non-potable Water

Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2209
		Lab Sample Number:	8102
Client Job Number:	7193 B		
Field Location:	MW-1	**Date Sampled:**	08/30/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Water	**Date Analyzed:**	09/08/2002

Base / Neutrals	Results in ug / L
Acenaphthene	ND< 10.0
Anthracene	ND< 10.0
Benzo (a) anthracene	ND< 10.0
Benzo (a) pyrene	ND< 10.0
Benzo (b) fluoranthene	ND< 10.0
Benzo (g,h,i) perylene	ND< 10.0
Benzo (k) fluoranthene	ND< 10.0
Chrysene	ND< 10.0
Dibenz (a,h) anthracene	ND< 10.0
Fluoranthene	ND< 10.0
Fluorene	ND< 10.0
Indeno (1,2,3-cd) pyrene	ND< 10.0
Naphthalene	ND< 10.0
Phenanthrene	ND< 10.0
Pyrene	ND< 10.0

ELAP Number 10958 Method: EPA 8270C Data File: 5611.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022209S1.XLS

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

Semi -Volatile STARS Analysis Report for Non-potable Water

Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2209
		Lab Sample Number:	8103
Client Job Number:	7193 B		
Field Location:	MW-2	**Date Sampled:**	08/30/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Water	**Date Analyzed:**	09/08/2002

Base / Neutrals	Results in ug / L
Acenaphthene	ND< 10.0
Anthracene	ND< 10.0
Benzo (a) anthracene	ND< 10.0
Benzo (a) pyrene	ND< 10.0
Benzo (b) fluoranthene	ND< 10.0
Benzo (g,h,i) perylene	ND< 10.0
Benzo (k) fluoranthene	ND< 10.0
Chrysene	ND< 10.0
Dibenz (a,h) anthracene	ND< 10.0
Fluoranthene	ND< 10.0
Fluorene	ND< 10.0
Indeno (1,2,3-cd) pyrene	ND< 10.0
Naphthalene	ND< 10.0
Phenanthrene	ND< 10.0
Pyrene	ND< 10.0

ELAP Number 10958 Method: EPA 8270C Data File: 5612.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022209S2.XLS

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

Semi -Volatile STARS Analysis Report for Non-potable Water

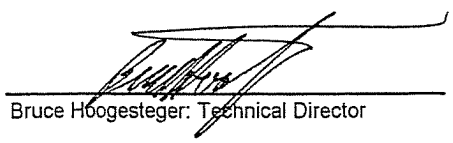
Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2209
		Lab Sample Number:	8104
Client Job Number:	7193 B		
Field Location:	MW-3	**Date Sampled:**	08/30/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Water	**Date Analyzed:**	09/08/2002

Base / Neutrals	Results in ug / L
Acenaphthene	ND< 10.0
Anthracene	ND< 10.0
Benzo (a) anthracene	ND< 10.0
Benzo (a) pyrene	ND< 10.0
Benzo (b) fluoranthene	ND< 10.0
Benzo (g,h,i) perylene	ND< 10.0
Benzo (k) fluoranthene	ND< 10.0
Chrysene	ND< 10.0
Dibenz (a,h) anthracene	ND< 10.0
Fluoranthene	ND< 10.0
Fluorene	ND< 10.0
Indeno (1,2,3-cd) pyrene	ND< 10.0
Naphthalene	ND< 10.0
Phenanthrene	ND< 10.0
Pyrene	ND< 10.0

ELAP Number 10958 Method: EPA 8270C Data File: 5613.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022209S3.XLS

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

Semi -Volatile STARS Analysis Report for Non-potable Water

Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2209
		Lab Sample Number:	8105
Client Job Number:	7193 B		
Field Location:	Dup-1	**Date Sampled:**	08/30/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Water	**Date Analyzed:**	09/08/2002

Base / Neutrals	Results in ug / L
Acenaphthene	ND< 10.0
Anthracene	ND< 10.0
Benzo (a) anthracene	ND< 10.0
Benzo (a) pyrene	ND< 10.0
Benzo (b) fluoranthene	ND< 10.0
Benzo (g,h,i) perylene	ND< 10.0
Benzo (k) fluoranthene	ND< 10.0
Chrysene	ND< 10.0
Dibenz (a,h) anthracene	ND< 10.0
Fluoranthene	ND< 10.0
Fluorene	ND< 10.0
Indeno (1,2,3-cd) pyrene	ND< 10.0
Naphthalene	ND< 10.0
Phenanthrene	ND< 10.0
Pyrene	ND< 10.0

ELAP Number 10958 Method: EPA 8270C Data File: 5614.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022209S4.XLS

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

Volatile STARS Analysis Report for Non-potable Water

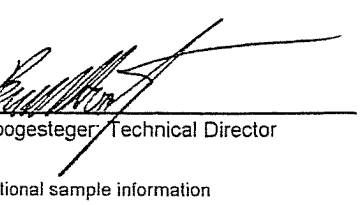
Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2209
		Lab Sample Number:	8102
Client Job Number:	7193 B		
Field Location:	MW-1	**Date Sampled:**	08/30/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Water	**Date Analyzed:**	09/02/2002

Aromatics	Results in ug / L
Benzene	ND< 0.700
n-Butylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
Ethylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
Isopropylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
Naphthalene	ND< 5.00
Toluene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Miscellaneous	
Methyl tert-Butyl Ether	ND< 2.00

ELAP Number 10958 Method: EPA 8021(GC/MS) Data File: 61478.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 022209V1.XLS

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

Volatile STARS Analysis Report for Non-potable Water

Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2209
		Lab Sample Number:	8103
Client Job Number:	7193 B		
Field Location:	MW-2	**Date Sampled:**	08/30/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Water	**Date Analyzed:**	09/02/2002

Aromatics	Results in ug / L
Benzene	ND< 0.700
n-Butylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
Ethylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
Isopropylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
Naphthalene	ND< 5.00
Toluene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Miscellaneous	
Methyl tert-Butyl Ether	ND< 2.00

ELAP Number 10958 Method: EPA 8021(GC/MS) Data File: 61479.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022209V2.XLS

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

Volatile STARS Analysis Report for Non-potable Water

Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2209
		Lab Sample Number:	8104
Client Job Number:	7193 B		
Field Location:	MW-3	**Date Sampled:**	08/30/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Water	**Date Analyzed:**	09/02/2002

Aromatics	Results in ug / L
Benzene	ND< 0.700
n-Butylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
Ethylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
Isopropylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
Naphthalene	ND< 5.00
Toluene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Miscellaneous	
Methyl tert-Butyl Ether	ND< 2.00

ELAP Number 10958 Method: EPA 8021(GC/MS) Data File: 61480.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022209V3.XLS

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

Volatile STARS Analysis Report for Non-potable Water

Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2209
		Lab Sample Number:	8105
Client Job Number:	7193 B		
Field Location:	DUP-1	**Date Sampled:**	08/30/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Water	**Date Analyzed:**	09/02/2002

Aromatics	Results in ug / L
Benzene	ND< 0.700
n-Butylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
Ethylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
Isopropylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
Naphthalene	ND< 5.00
Toluene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Miscellaneous	
Methyl tert-Butyl Ether	ND< 2.00

ELAP Number 10958 Method: EPA 8021(GC/MS) Data File: 61481.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022209V4.XLS

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

Volatile STARS Analysis Report for Non-potable Water

Client: Geomatrix Consultants

Client Job Site:	N/A	**Lab Project Number:**	02-2209
		Lab Sample Number:	8106
Client Job Number:	7193 B		
Field Location:	Field Blank	**Date Sampled:**	08/30/2002
Field ID Number:	N/A	**Date Received:**	08/30/2002
Sample Type:	Water	**Date Analyzed:**	09/02/2002

Aromatics	Results in ug / L
Benzene	ND< 0.700
n-Butylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
Ethylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
Isopropylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
Naphthalene	ND< 5.00
Toluene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Miscellaneous	
Methyl tert-Butyl Ether	ND< 2.00

ELAP Number 10958 Method: EPA 8021(GC/MS) Data File: 61482.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022209V5.XLS

Chain-of-Custody Record

0239 02-2209

Date: 8/30/02

Page 1 of 1

Project No.: 7193 B

Samplers (Signatures):

ANALYSES

REMARKS

Date	Time	Sample Number	Soil (S), Water (W), Vapor (v), or Other	EPA Method 8010	EPA Method 8020	EPA Method 8240	EPA Method 8270	TPHg by:	TPHd by:	EPA Method 8020 (BTEX)	TPH:	STARS SVOCs	STARS VOCs	Acidified	No. of containers
8/30/02	11:00	MW-1	W		#	$	$	102				X	X	✓	3
	10:00	MW-2	W			$	$	103				X	X	✓	3
	11:40	MW-3	W			$	$	104				X	X	✓	3
	—	DUP-1	W			$	$	105				X	X	✓	3
	11:00	Field Blank	W			$	$	106					X		1

Additional Comments

Turnaround time: STANDARD

Results to: Rick Frappa

Total No. of containers: 13

Relinquished by (signature):	Date: 8/30	Relinquished by (signature):	Date:
Printed name: Michael A. Cummings	Time: 14:20	Printed name:	Time:
Company: Geomatrix		Company:	
Received (signature):	Date: 8/30/02	Received by (signature): Bill Barr	Date: 8/30/02
Printed Name:	Time: 2:20	Printed Name:	Time: 18:30
Company:		Company:	

Relinquished by (signature):	Date:
Printed name:	Time:
Company:	
Received by (signature):	Date:
Printed Name:	Time:
Company:	

Method of shipment: LAB - Pickup

Laboratory comments and Log No.:

Geomatrix Consultants
338 Harris Hill Road, Suite 201
Williamsville, New York 14221
(716) 565-0624