REPORT

REALM
Burton Parcel Additional Investigation
3289 Saginaw Street
Burton, Michigan

Remediation & Liability Management Company, Inc.
Flint, Michigan

March 2001

O'BRIEN & GERE
ENGINEERS, INC.

5858.035

Report

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Scott L. Cormier, P.E.
Senior Managing Engineer

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O'BRIEN & GERE
ENGINEERS, INC.

39830 Grand River Avenue
Suite B-2
Novi, Michigan 48375

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1. Introduction

The purpose of this additional investigation was to assess the extent of subsurface waste fill material and potential subsurface impact from waste fill materials, and assess the potential impact from off site sources for potential reuse of the Remediation and Liability Management Company, Inc. (REALM) property (the Burton Parcel (Site)) located in Burton, Michigan. The location of the Site is shown on the Site Location Map, Figure 1.

1.1. Site Description

The Burton Parcel property consists of a 10 acre parcel at the southeast corner of the intersection of Saginaw Street and Hemphill Road, located within Section 29 and 30 of Township 7 North, Range 7 East in the City of Burton, Genessee County, Michigan. A property boundary survey was performed to divide the property into two parcels of land for transfer of Parcel "B2" to Genessee County for use as a medical center. Parcel "A" was the eastern portion of the property (7.36 acres) and Parcel "B2" was the southwestern portion of the property (2.91 acres). An Application for Property Division was submitted to the City of Burton Planning Commission on August 25, 1999 and was approved at the City of Burton Planning Commission's Public Hearing on October 12, 1999.

A Phase I & II Investigation was performed by Insight Environmental Services, Inc. (Insight) for Genessee County to assess a portion of the property prior to acquiring it for potential construction of a medical center. The results of this investigation indicated a concentration of benzene in a soil sample collected just east of the service station on Parcel "B2". A letter requesting the designation of this parcel as not being a "facility" as defined under Natural Resources Environmental Protection Act (NREPA) 1994 PA 451 Part 201, was sent to the MDEQ. In a letter dated November 17, 1999, the MDEQ did not approve the request to designate this parcel as not being a "facility". Therefore, REALM decided to re-divide the Site and Parcel "A" was reconfigured to include the impacted section of Parcel "B2". The appropriate information was forwarded to the City of Burton Tax Assessor's Office and was recorded. Based on this re-division, a letter dated November 28, 2000 was sent to the MDEQ requesting Parcel "B2" be designated as not a "facility". This request was responded to by the MDEQ in a letter dated December 19, 2000, confirming Parcel "B2" was not a "facility". A copy of the property boundary survey depicting this new division is included as Appendix A. A figure depicting the former and present parcels in relation to the site layout is included as Figure 2.

1.2. Investigatory background

Based on several previous subsurface investigations, subsurface waste fill materials exist underneath the Site at depths of up to 25 ft below grade (fbg). Volatile organic compounds (VOCs) and metals in soil and ground water have been detected at the Site in concentrations exceeding the Michigan Department of Environmental Quality (MDEQ) Natural Resources and Environmental Protection Act (NREPA) 1994 Act 451, Part 201 Generic Residential criteria. These exceedances are associated with samples collected from areas of waste fill observed at the Site. A previous investigation, performed in August 1997 identified the extent of waste fill at the Site excluding the area underneath the Taystee Bread building. Based on the demolition of the building, this area was accessible to complete the investigation underneath the footprint of the former building. Also, soil borings were installed north of the service station to assess the potential presence of waste fill and potential impact to the subsurface.

A Phase I & II Investigation was completed for a portion of the Site by Insight in June 1999. The Phase II Investigation included the installation of four soil borings located on Parcel "A" (shown on Figure 3) to assess the potential for impact to subsurface soil and ground water. These locations were identified in the Phase I Investigation based on their proximity to a service station adjacent to the western boundary of Parcel "A". A total of six soil samples were collected from the borings and analyzed for VOCs, semivolatile organic compounds (SVOCs), metals and pesticides/polychlorinated biphenyls (PCBs). No ground water samples were able to be collected during the soil boring installations due to an inadequate amount of water available in the temporary wells installed. The analytical results for these samples indicated concentrations of benzene and strontium above the MDEQ Generic Residential Drinking Water Protection criteria at the time the samples were collected. A Synthetic Precipitation Leaching Procedure (SPLP) analysis was performed on the benzene detection and the results indicated that benzene did not leach above method detection limits. Insight concluded the property did not meet the definition of a "facility" as defined in Part 201 of the NREPA, 1994 PA 451, as amended and the property is suitable for unrestricted use. A figure depicting the soil analytical results for the Insight locations on Parcel "A" with summarized analytical data, soil boring logs and laboratory data sheets are included in Appendix B.

A letter requesting the designation of Parcel "B2" as not being a "facility" as defined under NREPA 1994 PA 451 Part 201, was sent to the MDEQ. In a letter dated November 17, 1999, the MDEQ did not approve the request to designate this parcel as not being a "facility".

The MDEQ issued a letter dated March 6, 2000 indicating that Parcel "B2" has not been impacted by the operation of the Hemphill Landfill facility and therefore is not considered a part of said facility. The letter also stated the property may be a "facility" if impact from the service station to the west has caused impact to be located on the Parcel "B2" property in excess of Generic Residential Cleanup Criteria. Therefore, REALM decided to re-divide the Site and Parcel "A" was altered to include the impacted section of Parcel "B2". A letter to the MDEQ dated November 28, 2000 was submitted requesting the new Parcel "B2" not be considered a "facility". Based on this re-division, the MDEQ issued a letter (dated December 19, 2000) indicating Parcel "B2" was not a "facility" and has not been impacted by the operation of the Hemphill landfill facility.

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2. Field investigation

Results from previous investigations performed at the Site (sent to MDEQ Environmental Response Division Shiawassee District Office on September 28, 1999) indicate concentrations of VOCs and metals in soil and metals in ground water exceeded the MDEQ Generic Residential criteria. These exceedances were from samples collected in the subsurface waste fill material observed at the Site. Based on the former investigations and potential reuse of the property, REALM elected to perform a Site investigation to further assess the extent of subsurface waste fill material and the potential associated impact to soil and ground water. The MDEQ was notified via a telephone call to Mr. Jim Innes, Project Manager, MDEQ Environmental Response Division (ERD) Shiawassee Office on December 12, 1999. The field investigation was performed from December 13 through December 15, 1999. The following sections discuss the methods used for this additional investigation.

2.1. Soil boring installation

The additional investigation consisted of the installation of sixteen soil borings. The locations of the soil borings are shown on Figure 3. The soil borings were installed in accordance with O'Brien & Gere Technical Policies and Procedures and ASTM method D-1586. This method included using a 4.25 inch hollow stem auger with a truck-mounted drill rig to obtain representative samples. Soil samples were collected and screened continuously in 2 ft intervals from the ground surface into native soil beyond potential subsurface waste fill material. Soil was screened for the presence of organic vapors using a photoionization detector (PID). Soil samples were collected using a splitspoon sampling device 2 ft in length, which was driven into the undisturbed soil ahead of the augers. Soil samples were described in accordance with the Unified Soil Classification System (USCS). Soil boring logs describing the subsurface materials are included as Appendix C.

Upon retrieving the sample from the splitspoon, a portion of the sample was placed in a sealed plastic bag and screened for the presence of organic vapors with a PID. Based on PID screening and visual observations, one soil sample for laboratory analysis was collected from each of the soil borings.

The soil samples were analyzed for the presence of benzene, ethylbenzene, toluene, xylenes (BTEX), and methylene chloride by EPA Method 5035/8260 and lead by EPA Method 6010 based on these constituents being detected above MDEQ Generic Residential criteria previously. Soil samples selected for laboratory analysis were labeled, placed on ice, and picked up via courier under chain-of-custody documentation to Fire & Environmental Consulting Laboratories, Inc. (FECL) of East Lansing, Michigan.

Attempts to collect ground water samples in the soil borings were made at the sixteen boring locations where conditions appeared favorable. Based on subsurface conditions, a ground water sample was collected from seven soil borings (OBG SB-28, OBG SB-30, OBG SB-32, OBG SB-33, OBG SB-34, OBG SB-42 and OBG SB-43). Upon encountering the ground water table, the augers were pulled back and water was allowed to flow into the hole. A disposable polyethylene bailer attached to a length of polyethylene rope was then lowered through the augers for collection of the ground water sample. The ground water samples were labeled, placed in laboratory supplied containers, packed in a cooler with ice and picked up via courier by FECL under chain-of-custody documentation. The ground water samples were analyzed for the presence of BTEX, tetrachloroethlyene, and 1,2-dichloroethane by method 8260 and dissolved arsenic, dissolved lead and dissolved zinc by method 6010.

A trip blank supplied by the laboratory accompanied each shipment of ground water and soil samples and was analyzed for BTEX to evaluate potential impact of samples during transport.

Upon completing the borings to their terminal depths, the augers were removed and the open hole was backfilled with the soil cuttings generated at that location. Drilling and sampling equipment was decontaminated between boring locations using high pressure steam cleaning. Splitspoon samplers were decontaminated between samples with an alconox wash and potable water rinse. Decontamination fluids were discharged to the ground surface in the area of soil boring installation.

2.2. Survey

A topographical survey was performed for the Parcel A portion of the Burton Parcel. Easements and underground utilities were also included in this survey and are shown on the Topographical Survey included as Appendix D. Ownership of surrounding properties was also identified and is included on this survey.

2.3. Geologic conditions

2.3.1. Regional geology

Glacial till deposits in Genesee County are approximately 100 to 200 ft thick in the eastern section of the county and 50 to 100 ft thick in the western section. The drift is predominantly clay/till with isolated lenses of sand and/or gravel.

Based on water well records, a confining unit exists in the area. A review of water well records indicates the confining unit is blue/gray clay and generally exists at 12 to 135 fbg with thicknesses ranging from 30 ft to 150 ft. This unit was identified in previous investigations at the Site.

Stratigraphically, the area is part of the Michigan Basin, which is a relatively shallow, intracratonic structure that includes the Lower Peninsula, part of the Upper Peninsula, and parts of Wisconsin, Illinois, Indiana, Ohio, and Ontario. The topography of the bedrock surface in Genesee County ranges from 600 to 700 ft above mean sea level (MSL).

The predominant underlying bedrock in Genesee County is the Saginaw Formation. The Saginaw Formation has a maximum thickness of 765 ft, as reported from well logs collected in the Michigan Basin (MDEQ 1978). In Genesee County the Saginaw Formation is thickest (100 to 200 ft) in the northwestern part of the county. The formation thins and finally pinches out in the east and southeastern parts of the county. The Saginaw Formation is generally composed of interbedded sandstones, shales, limestone, and coal.

Underlying the Saginaw are the Michigan Formation and the Marshall Sandstone. The Michigan Formation is the underlying bedrock in eastern Genesee County in areas where the Saginaw Formation has thinned out. The Michigan Formation is composed of beds of anhydride and gypsum, gray to dark gray and greenish-gray shale, limestone, dolomite, and sandstone. A sand unit of the Michigan Formation, called the Michigan "Stray Sandstone" is reported to be a potential source for large quantities of natural gas. The Michigan Formation is approximately 50 to 200 ft thick in Genesee County. The Marshall Sandstone underlies the Michigan Formation and consists of sandstone and siltstone with some zones exhibiting red coloration.

The Michigan Formation thins out south of Genesee County and is replaced by Marshall Sandstone as the uppermost bedrock formation underlying the glacial drift. The Marshall Sandstone is the major water-bearing unit.

2.3.2. Site geology

Discussion of the Site geology is limited to the uppermost 16 ft of unconsolidated material observed during soil boring installation. Overburden materials consist of intermixed soils and waste fill material. In general, the Site is covered by asphalt parking areas. Subsurface materials encountered during drilling activities include silt, sand, clay, and waste fill material in various amounts across the Site.

Fill material, consistent with previous investigations, including glass, brick, fabric and plastic was observed in borings OBG SB-37, OBG SB-39 and SB-40. The waste fill material observed during this additional investigation was at depths of approximately 2 to 4 fbg and was approximately 1 ft thick. The waste fill material was observed to be intermixed with soil material. A figure depicting the approximate horizontal extent of subsurface waste fill material observed is included as Figure 4.

3. Analytical results

Based on the potential commercial reuse of the property, the analytical results were compared to MDEQ Generic Commercial I criteria. Soil analytical results indicate concentrations of benzene above the MDEQ Generic Commercial Drinking Water Protection (GCDWP) criterion for three samples [OBG SB-28 (10-12 fbg), OBG SB-29 (8-10 fbg) and OBG SB-33 10-12 fbg)]. The locations in which the benzene concentrations were detected include the property boundary along the north side of the service station located on Saginaw Street (locations OBG SB-28 and OBG SB-29) and the area east of the gate located at the northwest area of the property along Saginaw Street (OBG SB-33). These locations are in close proximity to each other. There were other BTEX concentrations detected in soil samples, however, the results are below respective MDEQ GCDWP criteria.

Soil analytical results also indicated lead was not detected in the sixteen soil samples collected (OBG SB-28 through OBG SB-43) above the MDEQ GCDWP criterion. Soil analytical results are summarized in Table 1 and the laboratory data sheets are included in Appendix E.

The ground water analytical results indicate concentrations of BTEX above method detection limits for two (OBG SB-28 and OBG SB-33) of the seven samples collected. The benzene, ethylbenzene and xylenes concentrations at OBG SB-28 were detected above the MDEQ Generic Commercial Drinking Water criteria (GCDW).

The ground water analytical results also indicated a concentration of dissolved lead detected above the MDEQ GCDW criterion at OBG SB-28. Ground water analytical results are summarized on Table 2 and the laboratory data sheets are included in Appendix F.

Insight's analytical data for the four soil samples collected on Parcel "A" indicated one sample (HP-8-99, 8-10 fbg) with a concentration of benzene above the MDEQ GCDWP criteria. A SPLP was performed on this sample and the results were below method detection limits for benzene.

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4. Conclusions

The extent of subsurface waste fill material at the Site has been assessed within the boundaries of the property. Based on impact discovered on the former Parcel "B2", Parcel "A" was altered to include the impacted portion of Parcel "B2". The new property boundaries depicting the re-division between Parcel "A" and Parcel "B2" at the Site are shown on Figure 2. The extent of the waste fill material appears to be horizontally limited to Parcel "A" and may extend to the east. The subsurface waste fill material observed during this additional investigation was at depths of approximately 2 to 4 fbg and was approximately 1ft. thick. The waste fill material consisted of glass, fabric, brick and plastic, consistent with previous investigations.

Analytical results for the soil samples collected indicate concentrations of benzene above the MDEQ GCDWP criterion in three soil samples (OBG SB-28, OBG SB-29 and OBG SB33) collected along the northwest property boundary and one soil sample (HP-8-99) collected by Insight along the west property boundary. Lead concentrations were not detected above the MDEQ GCDWP criterion in the soil samples collected from Parcel "A".

Analytical results for the ground water samples collected indicate concentrations of benzene, ethylbenzene, xylenes and dissolved lead above MDEQ GCDW criteria for one sample (OBG SB-28). It is likely these concentrations of constituents in soil and ground water above respective MDEQ Generic Commercial criteria are associated with the gasoline service station located adjacent to Parcel "A" of the Burton Parcel Site.

TABLES

BURTON PARCEL
ADDITIONAL INVESTIGATION
BURTON, MICHIGAN
Soil Analytical Results

Location	OBG SB-28 (10-12')	OBG SB-29 (8-10')	OBG SB-30 (12-14')	OBG SB-31 (2-4')	OBG SB-32 (14-16')	OBG SB-33 (10-12')	OBG SB-34 (4-6')	OBG SB-35 (8-10')	MDEQ Generic Commercial Drinking Water Protection Criteria (ug/kg)
Analytical Parameter	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Benzene	**400**	**120**	<50	<50	<50	**540**	<50	<50	100
Ethylbenzene	1,250	240	<50	<50	<50	60	<50	<50	1,500
Toluene	330	70	<50	<50	160	<50	100	<50	16,000
Xylenes	3,240	290	<50	<50	<50	<50	<50	<50	5,600
Methylene Chloride	<250	<250	<250	<250	<250	<250	<250	<250	100
Lead	5,100	8,100	5,600	6,800	4,600	7,400	3,600	7,200	700,000

Location	OBG SB-36 (10-12')	OBG SB-37 (8-10')	OBG SB-38 (12-14')	OBG SB-39 (8-10')	OBG SB-40 (10-12')	OBG SB-41 (8-10')	OBG SB-42 (8-10')	OBG SB-43 (6-8')	MDEQ Generic Commercial Drinking Water Protection Criteria (ug/kg)
Analytical Parameter	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Benzene	<50	<50	<50	<50	<50	<50	<50	<50	100
Ethylbenzene	<50	<50	<50	<50	<50	<50	<50	<50	1,500
Toluene	<50	<50	<50	<50	<50	<50	<50	<50	16,000
Xylenes	<50	<50	<50	<50	<50	<50	<50	<50	5,600
Methylene Chloride	<250	<250	<250	<250	<250	<250	<250	<250	100
Lead	6,500	4,400	2,100	4,400	5,900	5,300	6,400	9,200	700,000

Location	HP-7-99 (2-4')	HP-8-99 (8-10')	HP-8-99 (12-14')	HP-9-99 (4-6')	HP-9-99 (8-10')	HP-10-99 (8-10')		MDEQ Generic Commercial Drinking Water Protection Criteria (ug/kg)
Analytical Parameter	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Benzene	<60	**170**	<50	<56	<50	<61		100
Ethylbenzene	<60	<56	<50	<56	<50	<61		1,500
Toluene	<60	<58	<50	<56	<50	<61		16,000
Xylenes	<60	<58	<50	<56	<50	<61		5,600
Methylene Chloride	<300	<290	<250	<280	<250	<310		100
Lead	2,000	2,300	NA	7,000	NA	8,400		700,000

Notes:

1) OBG SB-28 through OBG SB-43 samples collected by O'Brien & Gere Engineers, Inc. (Novi, MI) and analyzed by Fire & Environmental Consulting Laboratories, Inc. of East Lansing, MI. HP-7-99 through HP-10-99 samples collected by Insight.
2) OBG samples collected on December 13, 14 and 15, 1999, Insight samples collected on March 13, 1999..
3) Benzene, Ethylbenzene, Toluene, Xylenes, Methylene Chloride analyzed using analytical method 5035/8260 and lead using analytical method 6010.
4) MDEQ Generic CommerciaII Drinking Water Protection criteria as listed in ERD Operational Memorandum #18, dated June 7, 2000.
5) Bold type indicates exceedance of MDEQ Generic Commercial I Drinking Water Protection criteria.
6) "NA" denotes chemical not analyzed.

Table 2

BURTON PARCEL
ADDITIONAL INVESTIGATION
BURTON, MICHIGAN
Groundwater Analytical Results

Location	OBG SB-28	OBG SB-30	OBG SB-32	OBG SB-33	OBG SB-34	OBG SB-42	OBG SB-43	MDEQ Generic Commercial I Drinking Water Criteria
Analytical Parameter	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	(ug/l)
Benzene	**1,400**	<1.0	<1.0	4	<1.0	<1.0	<1.0	5.0(A)
Ethylbenzene	**1,300**	<1.0	<1.0	9	<1.0	<1.0	<1.0	74(E)
Toluene	<200	<1.0	<1.0	1	<1.0	<1.0	<1.0	790(E)
Xylenes	**6,300**	<1.0	<1.0	3	<1.0	<1.0	<1.0	280(E)
Tetrachloroethylene	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.0(A)
1, 2 - Dichloroethane	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.0(A)
Dissolved Arsenic	<1.0	<1.0	1	<1.0	<1.0	<1.0	<1.0	50(A)
Dissolved Lead	**10**	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4.0(L)
Dissolved Zinc	<10	20	<10	<10	20	<10	<10	2,400

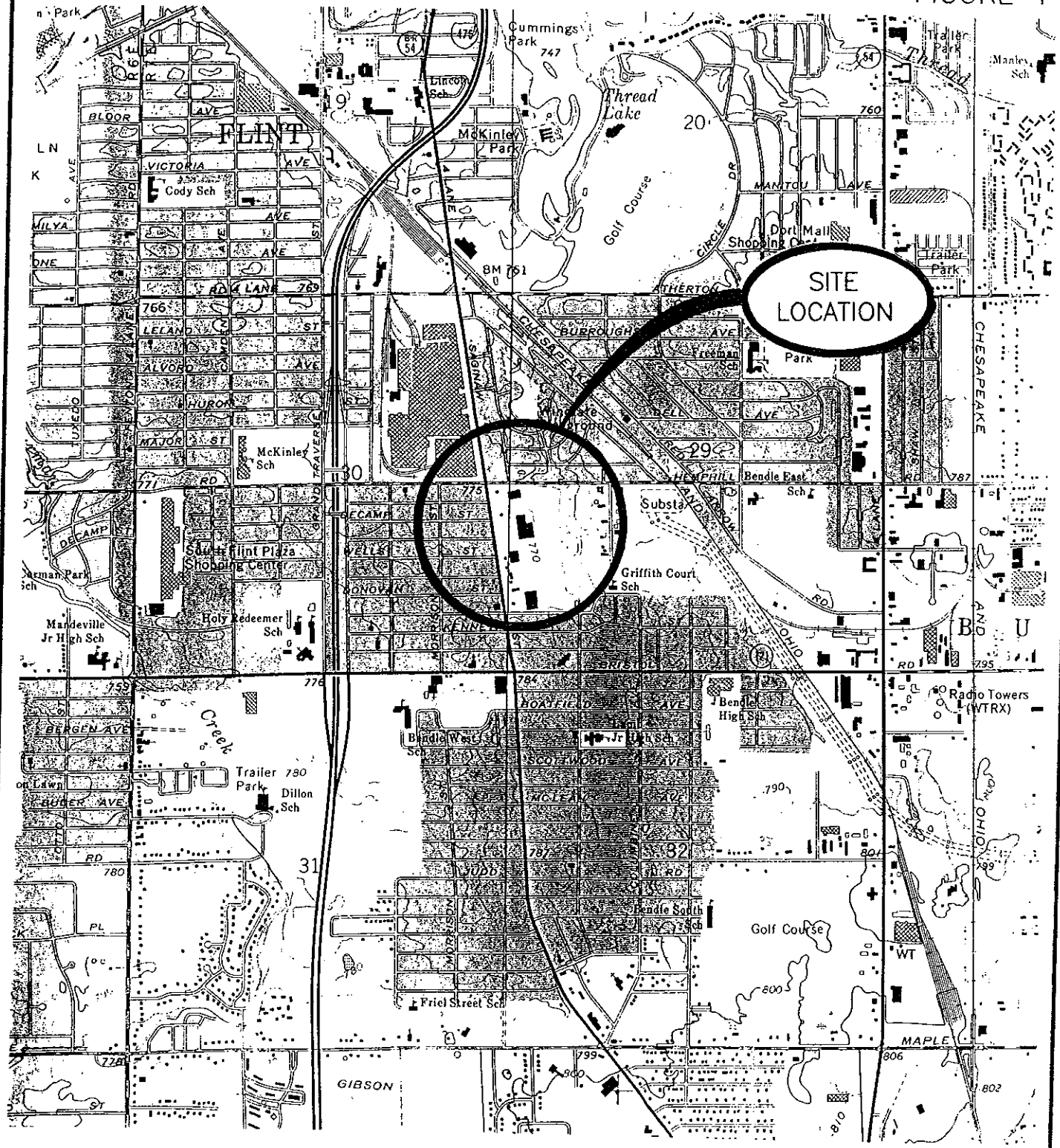
> Res/Inod DW

Notes:

1) Samples collected by O'Brien & Gere Engineers, Inc. (Novi, MI) and analyzed by Fire & Environmental Laboratories, Inc. of East Lansing, MI.
2) Samples collected on December 13, 14 and 15, 1999.
3) Benzene, Ethylbenzene, Toluene, Xylenes, Tetrachloroethylene and 1,2 - Dichloroethane analyzed by method 8260, Arsenic, Lead, and Zinc were analyzed using analytical method 6000/7000.
4) (E) denotes criterion is aesthetic drinking water value, as required by Section 201120 (1)(5).
5) (A) denotes State of Michigan Drinking Water Standard established pursuant to Section 5 of the Safe Drinking Water Act, Act No. 399 of the Public Acts of 1976 used as the default.
6) (L) denotes higher groundwater concentrations (up to 15 ug/l) may be acceptable if the soil concentration is less than 400 ppm and groundwater migrating off-site will not result in unacceptable exposures.
7) Bold type indicates exceedance of MDEQ criteria.
8) MDEQ Generic Commercial I Drinking Water criteria as listed in ERD Operational Memorandum #18, dated June 7, 2000.

FIGURES

FIGURE 1



MICHIGAN

QUADRANGLE LOCATION

FLINT SOUTH, MICH.

N4252.5—W8337.5/7.5

1969

PHOTOREVISED 1975

AMS 4269 I NW—SERIES V862

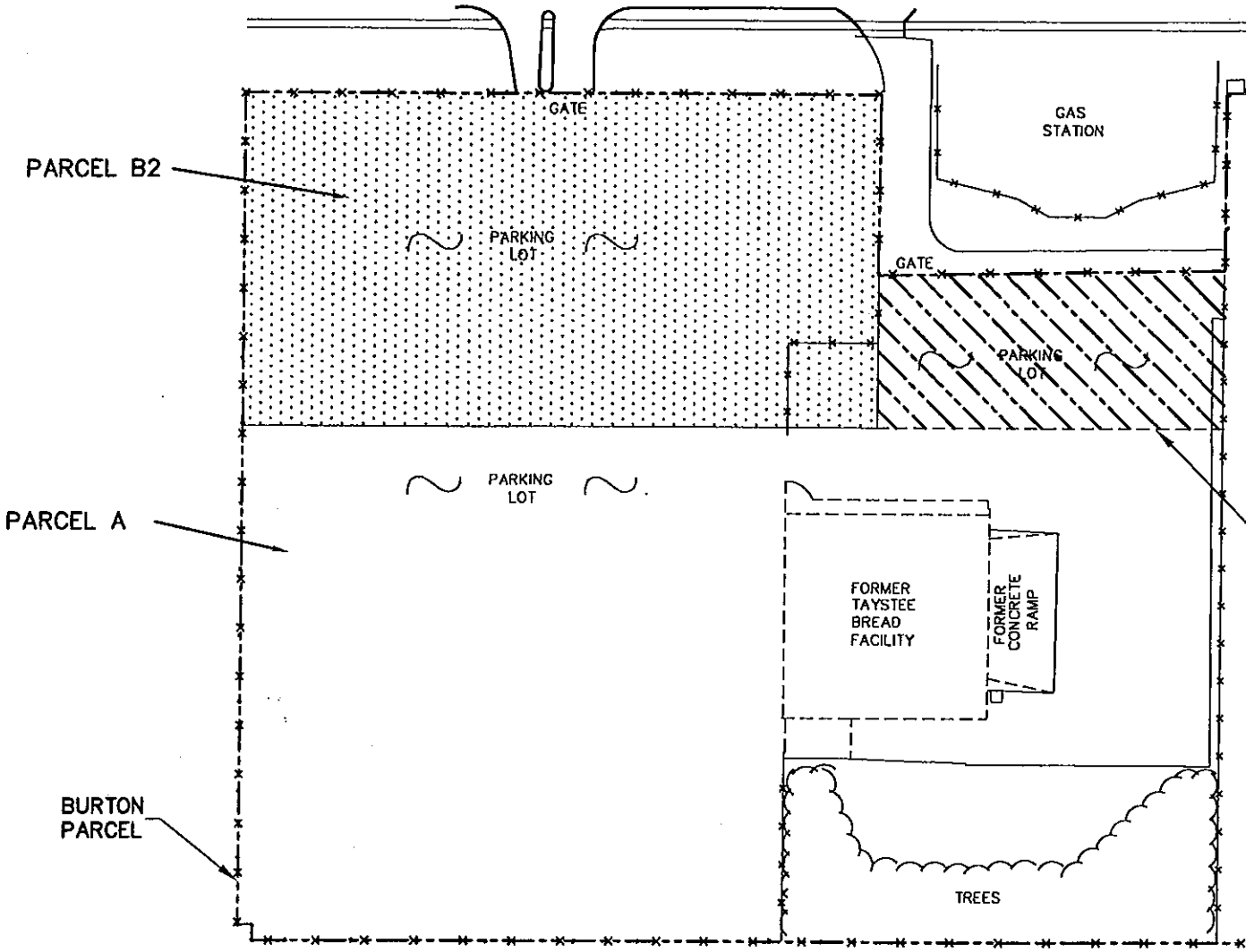
FILE NO. 5858-035

BURTON PARCEL
BURTON, MICHIGAN
SITE LOCATION MAP

0 1000 2000 3000 4000

SCALE IN FEET

O'BRIEN & GERE ENGINEERS, INC.



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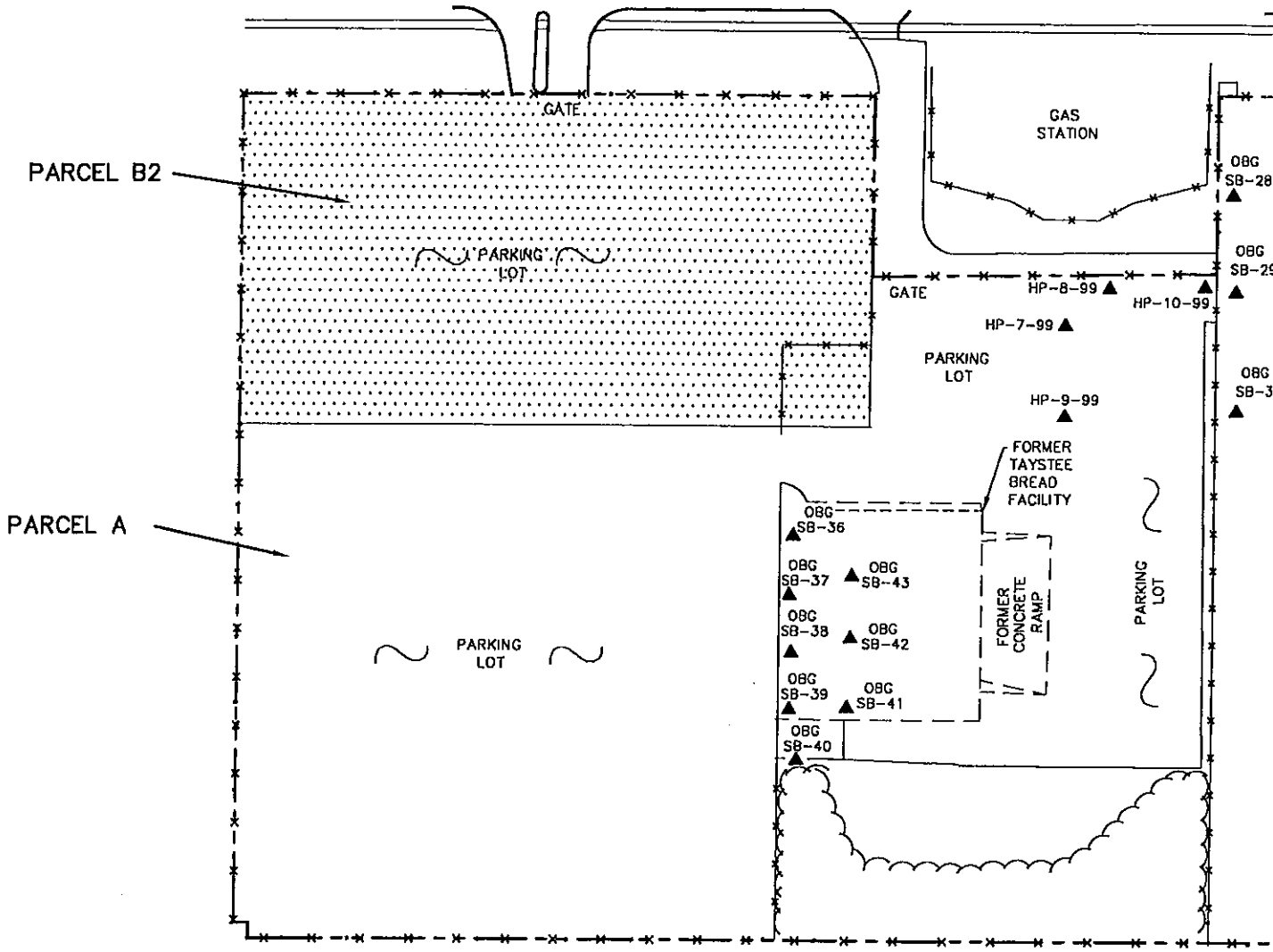
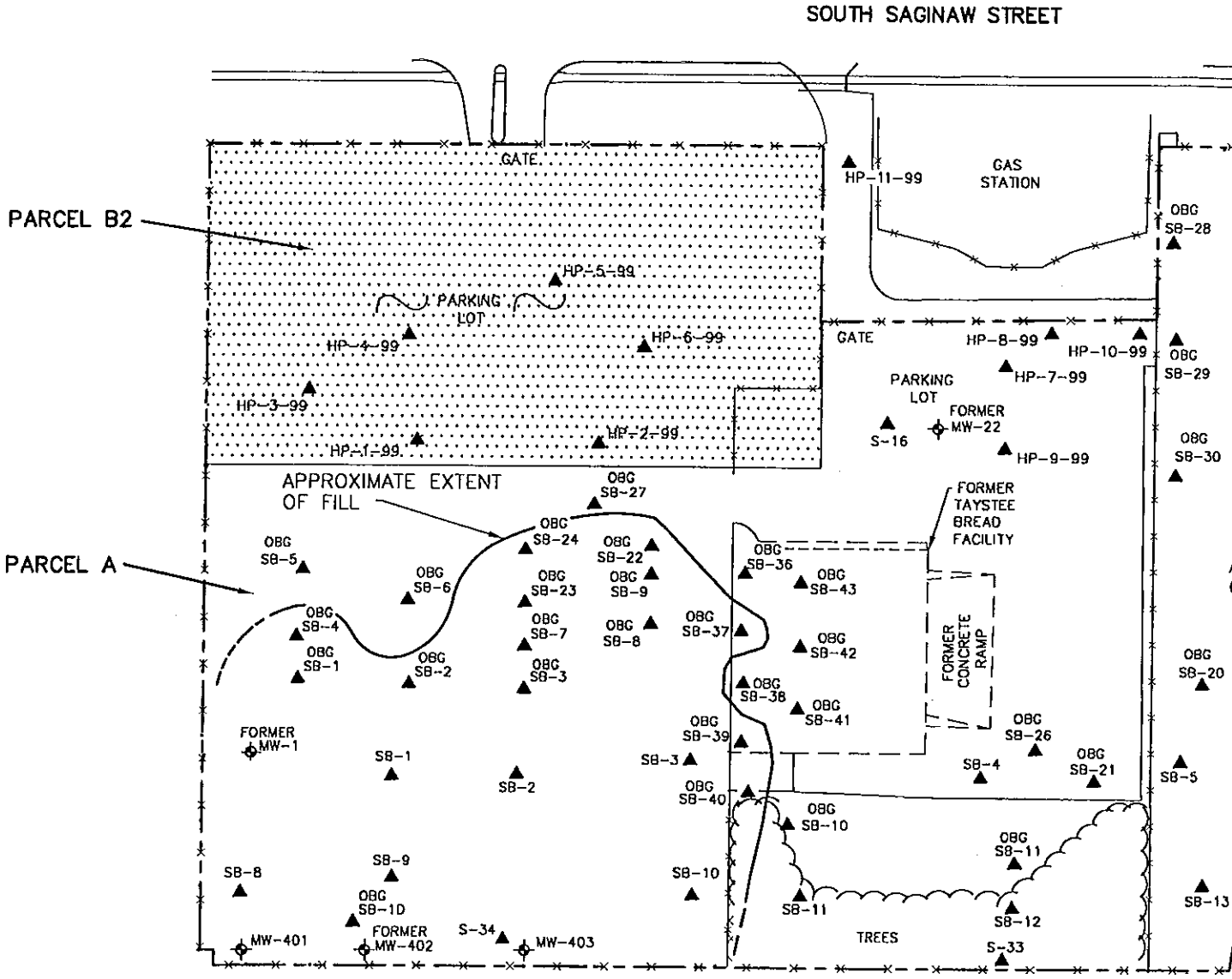


WWES DENOTES GEOPHYSICAL SURVEY PERFORMED BY WW ENGINEERING & SCIENCE.

PLOT DATE: 2/00



NOTE: SOIL BORINGS SB-1 THROUGH SB-15, S-16, S-17, AND S-
INSTALLED PREVIOUSLY BY GZA.

SOIL BORINGS OBG SB-1 THROUGH OBG SB-43, OBG SB-1D
INSTALLED BY O'BRIEN & GERE ENGINEERS, INC. FROM AUGUS

SOIL BORINGS HP-1-99 THROUGH HP-11-99 INSTALLED BY I

WWES DENOTES GEOPHYSICAL SURVEY PERFORMED BY WW ENG

APPENDICES

APPENDIX A

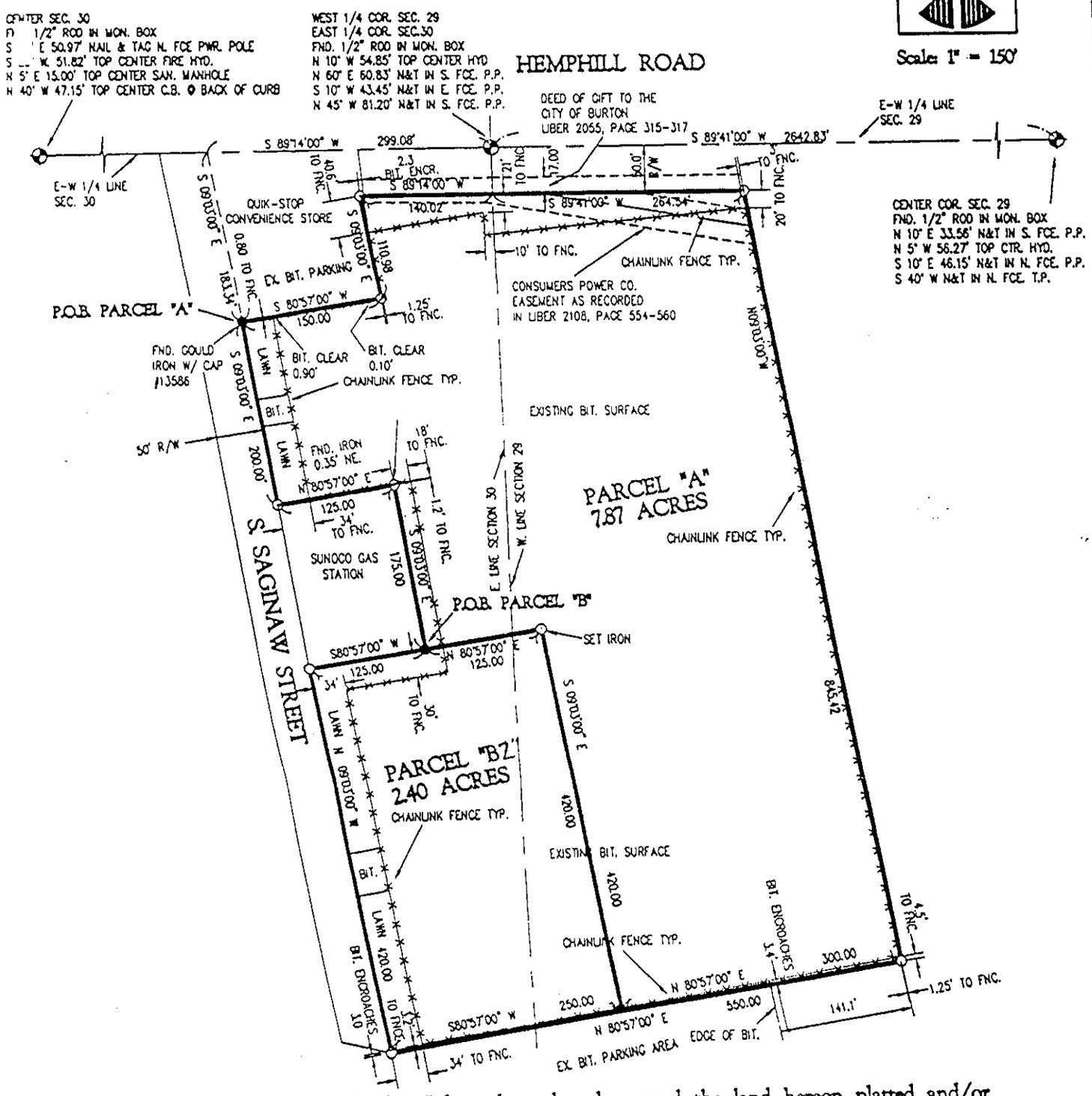
Property Boundary Survey

CERTIFICATE OF SURVEY

Being a part of the SW 1/4 of Section 29 and the SE. 1/4 of Section 30, Town 7 North, Range 7 East, City of Burton, Genesee County, Michigan

Certify to:
General Motors Corporation

Scale: 1" = 150'



I hereby certify that I have located and mapped the land hereon platted and/or described, on the date noted hereon, that I have complied with the requirements of Act 132, P.A. of 1970 and that the error of closure of the unadjusted field observation is within the limits established for the profession.
There are encroachments as shown.

Signed: Eugene L. Goss

Eugene L. Goss P.L.S.
Michigan No. 16040

LEGEND

Scale: 1" = 150'
All dimensions are in feet and decimals thereof.
○ 1/2" x 18" steel bar set.
● Indicates corner monuments found unless noted
—x— Indicates fence line

W.E. Indicates waters edge
OH Indicates overhead utilities
M Measured
R Recorded
C Computed
Section Corner

Project No. 000511
Field book no.
Field work by: MEG
Dated: 5/17/00

Drawn by: RJD
Calculated by: DJD
Checked by: ELG
Sheet 1 of 2

Bartow & King Engineers
2500 E. Midland Road, Bay City, Michigan 48706
Tel. (517) 684-8850
Fax (517) 684-8404

STATE OF MICHIGAN
EUGENE L. GOSS
SURVEYOR
16040
REGISTERED LAND SURVEYOR

CERTIFICATE OF SURVEY

Being a part of the SW 1/4 of Section 29 and the SE 1/4 of Section 30, Town 7 North, Range 7 East, City of Burton, Genesee County, Michigan

Certify to:
General Motors Corporation

PARCEL "A" DESCRIPTION

Part of the Southeast 1/4 of Section 30, and part of the Southwest 1/4 of Section 29, T7N, Range 7 East, City of Burton , Genesee County, Michigan, more particularly described as follows:

Commencing at the West 1/4 corner of Section 29; thence South 89 degrees 14 minutes 00 seconds West 299.08 feet to a point on the E-W 1/4 line of Section 30; thence South 09 degrees 03 minutes 00 seconds East 183.34 feet to a point on the East line of Saginaw Road and the Point of Beginning; thence continuing South 09 degrees 03 minutes 00 seconds East 200.00 feet; thence North 80 degrees 57 minutes 00 seconds East 125.00 feet; thence South 09 degrees 03 minutes 00 seconds East 175.00 feet; thence North 80 degrees 57 minutes 00 seconds East 125.00 feet; thence South 09 degrees 03 minutes 00 seconds East 420.00 feet; thence North 80 degrees 57 minutes 00 seconds East 300.00 feet; thence North 09 degrees 03 minutes 00 seconds West 845.42 feet; thence South 89 degrees 41 minutes 00 seconds West 264.54 feet; thence South 89 degrees 14 minutes 00 seconds West 140.02 feet; thence South 09 degrees 03 minutes 00 seconds East 110.98 feet; thence South 80 degrees 57 minutes 00 seconds West 150.00 feet to the Point of Beginning, containing 7.87 acres, more or less, and subject to easements, restrictions, reservations, rights of way, leases and agreements of record, if any.

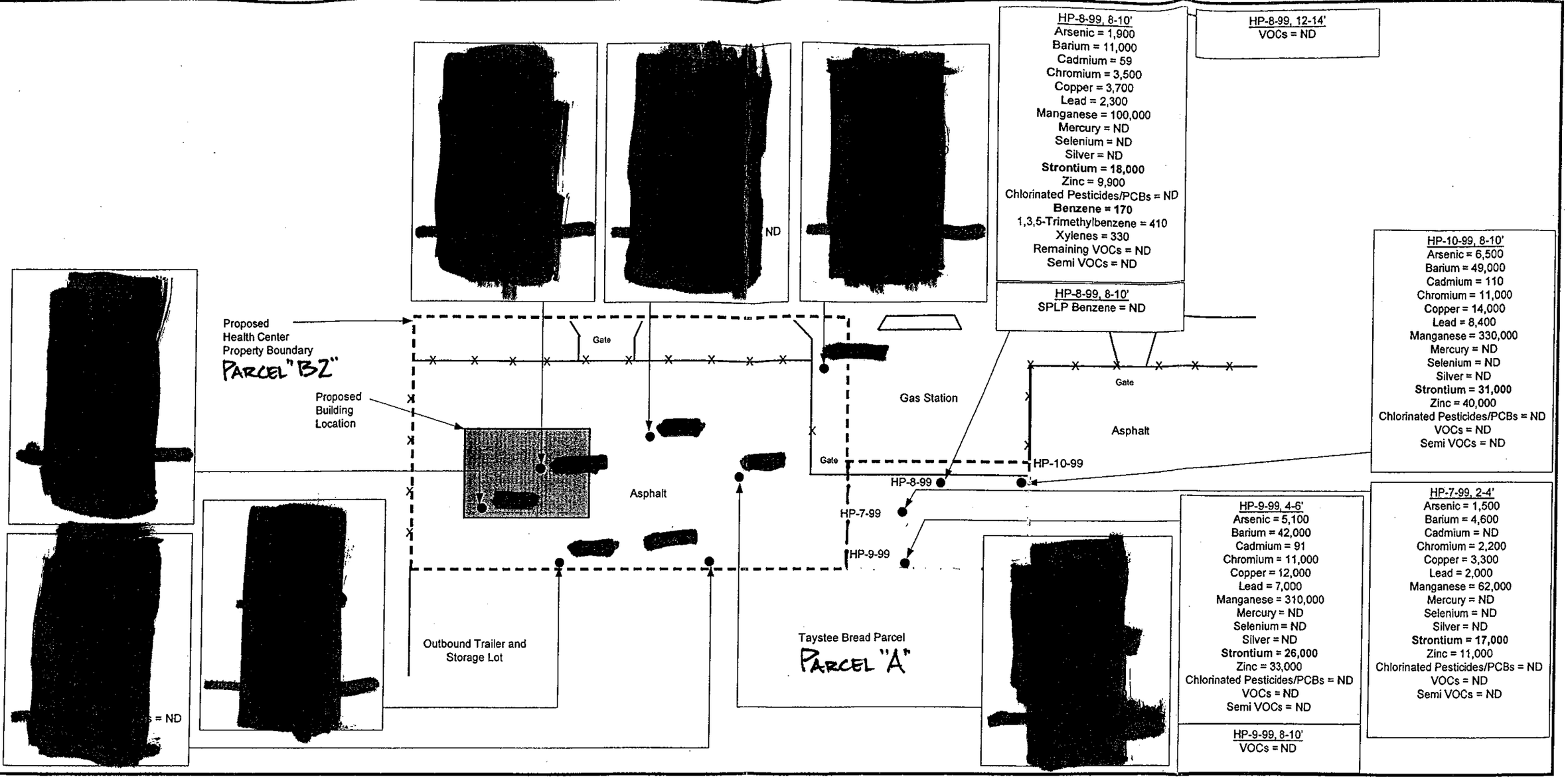
PARCEL "B2" DESCRIPTION

Part of the Southeast 1/4 of Section 30, and part of the Southwest 1/4 of Section 29, T7N, Range 7 East, City of Burton, Genesee County, Michigan, more particularly described as follows:

Commencing at the West 1/4 corner of Section 29; thence South 89 degrees 14 minutes West 299.08 feet; thence South 09 degrees 03 minutes East 383.34 feet; thence North 80 degrees 57 minutes 00 seconds East 125.00 feet; thence South 09 degrees 03 minutes 00 seconds East to the Point of Beginning; thence North 80 degrees 57 minutes 00 seconds East 125.00 feet; thence South 09 degrees 03 seconds East 420.00 feet; thence South 80 degrees 57 minutes 00 seconds West 250.00 feet to the East line of S. Saginaw Street; thence North 09 degrees 03 minutes 00 seconds West 420.00 feet on said East line; thence North 80 degrees 57 minutes 00 seconds East 125.00 feet to the Point of Beginning, containing 2.40 acres, more or less, and subject to easements, restrictions, reservations, rights of way, leases and agreements of record, if any.

Description prepared by:
Partow & King Engineers, Inc.
Dated: July 12, 1999
Job No. 990637

Insight Data



N

Approximate Scale: 1-Inch = 100-Feet

LEGEND:

—X— Chain Link Fence

● Completed Soil Boring Locations, April 12 and 13, 1999

ND Not Detected above Method Detection Limit

SPLP Synthetic Precipitation Leaching Procedure

NOTES:

1. Concentrations are presented in micrograms per kilogram (µg/kg).

2. Bolded results exceed MDEQ Part 201 Generic Residential and Commercial I Cleanup Criteria.

Soil Boring Locations Map with Analytical Results

Proposed Health Center
South Saginaw Street
Burton, Michigan

Insight
Environmental Services, Inc.
2123 Pless Drive
Brighton, MI 48114-9463
Phone: (810) 225-6271

Source: Soil Boring Locations Based On Field Measurements

FIGURE 3

Proposed Health Center
Analytical Results
Soil

Sample ID							HP-7-99	HP-8-99	HP-8-99	HP-9-99	HP-9-99	HP-10-99	
Sample Depth (feet)							2-4'	8-10'	12-14'	4-6'	8-10'	8-10'	
Date Collected							4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	
METALS (ug/kg)	Analytical Method												
Date Digested							NA	NA		NA		NA	
Date Analyzed		4/	9	4/	9	4/	4/15 - 20/99	4/15 - 20/99		4/15 - 20/99		4/15 - 20/99	
Arsenic	6020						1,500	1,900	NA	5,100	NA	6,500	
Barium	6010						4,600	11,000	NA	42,000	NA	49,000	
Cadmium	6020						<50	59	NA	91	NA	110	
Chromium	6020						2,200	3,500	NA	11,000	NA	11,000	
Copper	6010A						3,300	3,700	NA	12,000	NA	14,000	
Lead	6020						2,000	2,300	NA	7,000	NA	8,400	
Manganese	6010						62,000	100,000	NA	310,000	NA	330,000	
Mercury	7471						<100	<100	NA	<100	NA	<100	
Selenium	6020						<240	<240	NA	<230	NA	<250	
Silver	6020						<500	<500	NA	<500	NA	<500	
Strontium	6020						17,000	18,000	NA	26,000	NA	31,000	
Zinc	6010						11,000	9,900	NA	33,000	NA	40,000	
CHLORINATED PESTICIDES/ PCB's (ug/kg)	Analytical Method												
Date Extracted		4					4/14/99	4/14/99		4/14/99		4/14/99	
Date Analyzed		4					4/16/99	4/16/99		4/16/99		4/16/99	
Aldrin	8080						<20	<20	NA	<20	NA	<20	
delta-BHC	8080						<20	<20	NA	<20	NA	<20	
beta-BHC	8080						<20	<20	NA	<20	NA	<20	
alpha-BHC	8080						<20	<20	NA	<20	NA	<20	
gamma-BHC (Lindane)	8080						<20	<20	NA	<20	NA	<20	
Chlordane	8080						<97	<92	NA	<89	NA	<98	
gamma-Chlordane	8080						<20	<20	NA	<20	NA	<20	
alpha-Chlordane	8080						<20	<20	NA	<20	NA	<20	
4,4'-DDD	8080						<24	<23	NA	<22	NA	<25	
4,4'-DDE	8080						<24	<23	NA	<22	NA	<25	
4,4'-DDT	8080						<24	<23	NA	<22	NA	<25	
Dieldrin	8080						<24	<23	NA	<22	NA	<25	
beta-Endosulfan	8080						<24	<23	NA	<22	NA	<25	
alpha-Endosulfan	8080						<20	<20	NA	<20	NA	<20	
Endosulfan sulfate	8080						<24	<23	NA	<22	NA	<25	
Endrin	8080						<24	<23	NA	<22	NA	<25	
Endrin aldehyde	8080						<24	<23	NA	<22	NA	<25	
Endrin ketone	8080						<24	<23	NA	<22	NA	<25	
Heptachlor	8080						<20	<20	NA	<20	NA	<20	
Heptachlor epoxide	8080						<20	<20	NA	<20	NA	<20	
Methoxychlor	8080						<50	<50	NA	<50	NA	<50	
PCB-1016	8080						<330	<330	NA	<330	NA	<330	
PCB-1221	8080						<330	<330	NA	<330	NA	<330	
PCB-1232	8080						<330	<330	NA	<330	NA	<330	
PCB-1242	8080						<330	<330	NA	<330	NA	<330	
PCB-1248	8080						<330	<330	NA	<330	NA	<330	
PCB-1254	8080						<330	<330	NA	<330	NA	<330	
PCB-1260	8080						<330	<330	NA	<330	NA	<330	
Toxaphene	8080						<240	<230	NA	<220	NA	<250	

Notes: < = Method detection limit. Bolded resul[illegible]e that concentrations were detected above method detection limits. NA = Not Analyzed

Soil

Sample ID		HP-7-99	HP-8-99	HP-8-99	HP-9-99	HP-9-99	HP-10-99
Sample Depth (feet)		2-4'	8-10'	12-14'	4-6'	8-10'	8-10'
Date Collected		4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99
VOLATILE ANALYSIS(ug/kg)	Analytical Method						
Date Analyzed		4/15/99	4/15/99	4/27/99	4/15/99	4/27/99	4/15/99
Acetone	5035/8260	<750	<750	<750	<750	<750	<750
Acrylonitrile	5035/8260	<300	<290	<250	<280	<250	<310
Benzene	5035/8260	<60	**170**	<50	<56	<50	<61
Bromochloromethane	5035/8260	<100	<100	<100	<100	<100	<100
Bromodichloromethane	5035/8260	<100	<100	<100	<100	<100	<100
Bromoform	5035/8260	<100	<100	<100	<100	<100	<100
Bromomethane	5035/8260	<250	<250	<250	<250	<250	<250
2-Butanone (MEK)	5035/8260	<300	<290	<250	<280	<250	<310
Carbon disulfide	5035/8260	<250	<250	<250	<250	<250	<250
Carbon tetrachloride	5035/8260	<60	<56	<50	<56	<50	<61
Chlorobenzene	5035/8260	<60	<56	<50	<56	<50	<61
Chloroethane	5035/8260	<300	<290	<250	<280	<250	<310
Chloroform	5035/8260	<60	<56	<50	<56	<50	<61
Chloromethane	5035/8260	<300	<290	<250	<280	<250	<310
1,2-Dibromo-3-Chloropropane	5035/8260	<300	<290	<250	<280	<250	<310
Dibromochloromethane	5035/8260	<100	<100	<100	<100	<100	<100
1,2-Dibromoethane	5035/8260	<60	<100	<100	<100	<100	<100
Dibromomethane	5035/8260	<100	<100	<100	<100	<100	<100
trans-1,4-Dichloro-2-butene	5035/8260	<100	<56	<50	<56	<50	<61
1,4-Dichlorobenzene	5035/8260	<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	5035/8260	<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	5035/8260	<300	<100	<100	<100	<100	<100
Dichlorodifluoromethane	5035/8260	<60	<290	<250	<280	<250	<310
1,1-Dichloroethane	5035/8260	<60	<56	<50	<56	<50	<61
1,2-Dichloroethane	5035/8260	<60	<56	<50	<56	<50	<61
trans-1,2-Dichloroethene	5035/8260	<60	<56	<50	<56	<50	<61
cis-1,2-Dichloroethene	5035/8260	<60	<56	<50	<56	<50	<61
1,1-Dichloroethene	5035/8260	<60	<56	<50	<56	<50	<61
1,2-Dichloropropane	5035/8260	<60	<56	<50	<56	<50	<61
trans-1,3-Dichloropropene	5035/8260	<60	<56	<50	<56	<50	<61
cis-1,3-Dichloropropene	5035/8260	<300	<290	<250	<280	<250	<310
Diethyl ether	5035/8260	<60	<56	<50	<56	<50	<61
Ethylbenzene	5035/8260	<100	<100	<100	<100	<100	<100
Hexachloroethane	5035/8260	<300	<290	<250	<280	<250	<310
2-Hexanone	5035/8260	<100	<100	<100	<100	<100	<100
Isopropylbenzene	5035/8260	<60	<100	<50	<100	<50	<100
Methyl iodide	5035/8260	<300	<290	<250	<280	<250	<310
Methyl(tert)butyl ether(MTBE)	5035/8260	<300	<290	<250	<280	<250	<310
4-Methyl-2pentanone (MIBK)	5035/8260	<300	<290	<250	<280	<250	<310
Methylene chloride	5035/8260	<3,000	<2,900	<2,500	<2,800	<2,500	<3,100
2-Methylnaphthalene	5035/8260	<300	<290	<250	<280	<250	<310
Naphthalene	5035/8260	<100	<100	<100	<100	<100	<100
n-Propylbenzene	5035/8260	<60	<56	<50	<56	<50	<61
Styrene	5035/8260	<100	<100	<100	<100	<100	<100
1,1,2,2-Tetrachloroethane	5035/8260	<100	<100	<100	<100	<100	<100
1,1,1,2-Tetrachloroethane	5035/8260						

Notes: < = Method detection limit. Bolded results indicate that concentrations exceed MDEQ Cleanup criteria. NA = Not Analyzed

Sample ID								HP-7-99	HP-8-99	HP-8-99	HP-9-99	HP-9-99	HP-10-99	
Sample Depth (feet)								2-4'	8-10'	12-14'	4-6'	8-10'	8-10'	
Date Collected								4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	
VOLATILE ANALYSIS (ug/kg) (cont)	Analytical Method													
Date Analyzed								4/15/99	4/15/99	4/2799	4/15/99	4/27/99	4/15/99	
Tetrachloroethene	5035/8260							<60	<58	<50	<56	<50	<61	
Toluene	5035/8260							<60	<58	<50	<56	<50	<61	
1,2,4-Trichlorobenzene	5035/8260							<300	<290	<250	<280	<250	<310	
1,1,2-Trichloroethane	5035/8260							<60	<58	<50	<56	<50	<61	
1,1,1-Trichloroethane	5035/8260							<60	<58	<50	<56	<50	<61	
Trichloroethene	5035/8260							<60	<58	<50	<56	<50	<61	
Trichlorofluoromethane	5035/8260							<300	<290	<250	<280	<250	<310	
1,2,3-Trichloropropane	5035/8260							<100	<100	<100	<100	<100	<100	
1,3,5-Trimethylbenzene	5035/8260							<100	410	<100	<100	<100	<100	
1,2,4-Trimethylbenzene	5035/8260							<60	<100	<50	<100	<50	<100	
Vinyl acetate	5035/8260							<100	<100	<100	<100	<100	<100	
Vinyl chloride	5035/8260							<100	<100	<100	<100	<100	<100	
1,2-Xylene	5035/8260							<60	<58	<50	<56	<50	<61	
1,3-Xylene and 1,4-Xylene	5035/8260							<300	330	<100	<110	<100	<120	
SEMI VOCs (ug/kg)	Analytical Method													
Date Extracted								4/14/99	4/14/99		4/14/99		4/14/99	
Date Analyzed								4/16/99	4/16/99		4/16/99		4/16/99	
Acenaphthene	8270							<330	<330	NA	<330	NA	<330	
Acenaphthylene	8270							<330	<330	NA	<330	NA	<330	
Aniline	8270							<1,700	<1,700	NA	<1,700	NA	<1,700	
Anthracene	8270							<330	<330	NA	<330	NA	<330	
Benzidine	8270							<5,000	<5,000	NA	<5,000	NA	<5,000	
Benzo(a)anthracene	8270							<330	<330	NA	<330	NA	<330	
Benzo(a)pyrene	8270							<330	<330	NA	<330	NA	<330	
Benzo(b)fluoranthene	8270							<330	<330	NA	<330	NA	<330	
Benzo(ghi)perylene	8270							<330	<330	NA	<330	NA	<330	
Benzo (k) fluoranthene	8270							<330	<330	NA	<330	NA	<330	
4-Bromophenyl phenyl ether	8270							<330	<330	NA	<330	NA	<330	
Butyl benzyl phthalate	8270							<330	<330	NA	<330	NA	<330	
4-Chloro-3-methylphenol	8270							<330	<330	NA	<330	NA	<330	
4-Chloroaniline	8270							<1,300	<1,300	NA	<1,300	NA	<1,300	
Bis(2-chloroethoxy)methane	8270							<330	<330	NA	<330	NA	<330	
Bis(2-chloroethyl)ether	8270							<330	<330	NA	<330	NA	<330	
Bis(2-chloroisopropyl)ether	8270							<330	<330	NA	<330	NA	<330	
2-Chloronaphthalene	8270							<330	<330	NA	<330	NA	<330	
2-Chlorophenol	8270							<330	<330	NA	<330	NA	<330	
4-Chlorophenyl phenyl ether	8270							<330	<330	NA	<330	NA	<330	
Chrysene	8270							<330	<330	NA	<330	NA	<330	
Di-n-butylphthalate	8270							<330	<330	NA	<330	NA	<330	
Di-n-octylphthalate	8270							<330	<330	NA	<330	NA	<330	
Dibenzo(a,h)anthracene	8270							<330	<330	NA	<330	NA	<330	
Dibenzofuran	8270							<330	<330	NA	<330	NA	<330	
3,3'-Dichlorobenzidine	8270							<2000	<2000	NA	<2000	NA	<2000	
2,4-Dichlorophenol	8270							<330	<330	NA	<330	NA	<330	

Notes: < = Method detection limit. Bolded results indicate that concentrations were detected above method detection limits. NA = Not Analyzed

Sample ID		HP-7-99	HP-8-99	HP-8-99	HP-9-99	HP-9-99	HP-10-99
Sample Depth (feet)		2-4'	8-10'	12-14'	4-6'	8-10'	8-10'
Date Collected		4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99
SEMI VOCs (ug/kg) (cont)	Analytical Method						
Date Extracted		4/14/99	4/14/99		4/14/99		4/14/99
Date Analyzed		4/16/99	4/16/99		4/16/99		4/16/99
Dimethyl phthalate	8270	<330	<330	NA	<330	NA	<330
2,4-Dimethylphenol	8270	<330	<330	NA	<330	NA	<330
4,6-Dinitro-2-methylphenol	8270	<1700	<1700	NA	<1700	NA	<1700
2,4-Dinitrophenol	8270	<1700	<1700	NA	<1700	NA	<1700
2,6-Dinitrotoluene	8270	<330	<330	NA	<330	NA	<330
2,4-Dinitrotoluene	8270	<330	<330	NA	<330	NA	<330
bis (2-Ethylhexyl) phthalate	8270	<330	<330	NA	<330	NA	<330
Fluoranthene	8270	<330	<330	NA	<330	NA	<330
Fluorene	8270	<330	<330	NA	<330	NA	<330
Hexachlorobenzene	8270	<330	<330	NA	<330	NA	<330
Hexachlorobutadiene	8270	<330	<330	NA	<330	NA	<330
Hexachlorocyclopentadiene	8270	<330	<330	NA	<330	NA	<330
Hexachloroethane	8270	<330	<330	NA	<330	NA	<330
Indeno(1,2,3-cd)pyrene	8270	<330	<330	NA	<330	NA	<330
Isophorone	8270	<330	<330	NA	<330	NA	<330
2-Methylnaphthalene	8270	<330	<330	NA	<330	NA	<330
N-Nitroso-di-n-propylamine	8270	<330	<330	NA	<330	NA	<330
N-Nitrosodiphenylamine	8270	<330	<330	NA	<330	NA	<330
Naphthalene	8270	<330	<330	NA	<330	NA	<330
4-Nitroaniline	8270	<1700	<1700	NA	<1700	NA	<1700
3-Nitroaniline	8270	<1700	<1700	NA	<1700	NA	<1700
2-Nitroaniline	8270	<1700	<1700	NA	<1700	NA	<1700
Nitrobenzene	8270	<330	<330	NA	<330	NA	<330
4-Nitrophenol	8270	<1700	<1700	NA	<1700	NA	<1700
2-Nitrophenol	8270	<330	<330	NA	<330	NA	<330
Octachlorocyclopentene	8270	<330	<330	NA	<330	NA	<330
Pentachlorophenol	8270	<3400	<3400	NA	<3400	NA	<3400
Phenanthrene	8270	<330	<330	NA	<330	NA	<330
Phenol	8270	<330	<330	NA	<330	NA	<330
Pyrene	8270	<330	<330	NA	<330	NA	<330
1,2,4-Trichlorobenzene	8270	<330	<330	NA	<330	NA	<330
2,4,6-trichlorophenol	8270	<330	<330	NA	<330	NA	<330

Notes: < = Method detection limit. Bolded results indicate that concentrations were detected above method detection limits. NA = Not Analyzed

Insight Environmental Services, Inc. 2123 Pless Drive Brighton, Michigan 48114 Phone (810) 225-6271 Fax (810) 225-6279	Log of Boring HP-9-99 Proposed Health Center South Saginaw Street Burton, Michigan	Sheet 1 of 1 Project Number: 2811 GS Elevation: Not Measured

Drilling Company: Subsurface Alternatives, Inc.	Drilling	Date	Time
Drill Method: Hydraulic Probe	Started	4/13/99	12:15 PM
Sample Method: 1-3/4" O.D. Acetate Lined Sampler	Finished	4/13/99	12:45 PM
Borehole Diameter: 2" in.	Saturated At: Not Encountered	SWL: Not Encountered	Logged By: LAB

Sample No.	Sample Interval	Inches Driven	Inches Recovr'd	Depth (feet)	Graphic Log	Materials Description	PID (ppm)	Soil Sample
P-1		48	46	1		**ASHPHALT**		
				2		Brown **SAND** with a trace of Clay	0.6	
				3			0.8	
P-2		48	48	4				
				5			1.4	HP-9-99 4-6'
				6				
				7		Gray **SILTY CLAY** with a trace of Sand and Gravel and occasional seams of gray Silty Sand	1.4	
P-3		24	24	8				
				9			0.2	HP-9-99 8-10'
P-4		24	20	10				
				11			0.4	
				12		12' End of Boring		
				13		Note: Detection limit of PID is 0.1 ppm		
				14		Boring backfilled with cuttings, bentonite chips and finished off with a cold patch.		
				15				
				16				
				17				
				18				
				19				
				20				

Insight Environmental Services, Inc. 2123 Pless Drive Brighton, Michigan 48114 Phone (810) 225-6271 Fax (810) 225-6279	Log of Boring HP-10-99 Proposed Health Center South Saginaw Street Burton, Michigan	Sheet 1 of 1 Project Number: 2811 GS Elevation: Not Measured

Drilling Company: Subsurface Alternatives, Inc.	Drilling	Date	Time
Drill Method: Hydraulic Probe	Started	4/13/99	12:50 PM
Sample Method: 1-3/4" O.D. Acetate Lined Sampler	Finished	4/13/99	1:45 PM
Borehole Diameter: 2" in. / Saturated At: 4'	SWL: Not Measured		Logged By: LAB

Sample No.	Sample Interval	Inches Driven	Inches Recovr'd	Depth (feet)	Graphic Log	Materials Description	PID (ppm)	Soil Sample
P-1		48	48	1 2 3 4		**ASHPHALT** Brown **SAND** with a trace of silt and occasional Silty Clay seams	1.2 4.0	
P-2		48	48	5 6 7 8		Gray **SILTY CLAY** with a trace of Gravel and Sand (0.25-foot seam of gray Sand with a trace of Silt and Clay at 10-feet)	2.6	
P-3		24	24	9 10			30.0	HP-10-99 8-10'
P-4		24	20	11 12			7.0	
				13 14 15 16 17 18 19 20		12' End of Boring Note: Detection limit of PID is 0.1 ppm Boring backfilled with cuttings, bentonite chips and finished off with a cold patch.		

ANALYTICAL REPORT

Client: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-7-99 2-4'

Date Sampled	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	See below
Date Analyzed:	See below	**ENCOTEC Submission ID:**	100016900
Method Reference:	See below	**ENCOTEC Sample ID:**	200124794
Matrix:	SOIL	**Analyte List:**	N/A
Percent Total Solids:	82.8	**Calculation Basis:**	Dry Weight

	Metals Inorganics	QC Set ID	Date Analyzed	Method Ref.	Units	Quant Limit	Dil	Conc	Flag
1	Arsenic	IMSD1501	04/20/99	6020	mg/Kg	0.24	5	1.5	
2	Barium	ICPD1505	04/15/99	6010	mg/Kg	1.0	1	4.6	
3	Cadmium	IMSD1501	04/19/99	6020	mg/Kg	0.050	5	U	
4	Chromium	IMSD1501	04/19/99	6020	mg/Kg	0.50	5	2.2	
5	Copper	ICPD1505	04/15/99	6010	mg/Kg	1.0	1	3.3	
6	Lead	IMSD1501	04/19/99	6020	ug/Kg	1000	5	2000	
7	Manganese	ICPD1505	04/15/99	6010	mg/Kg	2.0	1	62	
8	Mercury	CVAD1802	04/19/99	7471	mg/Kg	0.10	1	U	
9	Selenium	IMSD1501	04/20/99	6020	mg/Kg	0.24	5	U	M
10	Silver	IMSD1501	04/19/99	6020	mg/Kg	0.50	5	U	
11	Strontium	IMSD1501	04/19/99	6020	mg/Kg	0.24	5	17	
12	Zinc	ICPD1505	04/15/99	6010	mg/Kg	1.0	1	11	

ANALYTICAL REPORT

Client: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-8-99 8-10'

Date Sampled	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	See below
Date Analyzed:	See below	**ENCOTEC Submission ID:**	100016900
Method Reference:	See below	**ENCOTEC Sample ID:**	200124796
Matrix:	SOIL	**Analyte List:**	N/A
Percent Total Solids:	86.5	**Calculation Basis:**	Dry Weight

	Metals Inorganics	QC Set ID	Date Analyzed	Method Ref.	Units	Quant Limit	Dil	Conc	Fla
1	Arsenic	IMSD1501	04/20/99	6020	mg/Kg	0.24	5	1.9	
2	Barium	ICPD1505	04/15/99	6010	mg/Kg	1.0	1	11	
3	Cadmium	IMSD1501	04/19/99	6020	mg/Kg	0.050	5	0.059	
4	Chromium	IMSD1501	04/19/99	6020	mg/Kg	0.50	5	3.5	
5	Copper	ICPD1505	04/15/99	6010	mg/Kg	1.0	1	3.7	
6	Lead	IMSD1501	04/19/99	6020	ug/Kg	1000	5	2300	
7	Manganese	ICPD1505	04/15/99	6010	mg/Kg	2.0	1	100	
8	Mercury	CVAD1802	04/19/99	7471	mg/Kg	0.10	1	U	
9	Selenium	IMSD1501	04/20/99	6020	mg/Kg	0.24	5	U	M
10	Silver	IMSD1501	04/19/99	6020	mg/Kg	0.50	5	U	
11	Strontium	IMSD1501	04/19/99	6020	mg/Kg	0.24	5	18	
12	Zinc	ICPD1505	04/15/99	6010	mg/Kg	1.0	1	9.9	

ANALYTICAL REPORT

Client: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-9-99 4-6'

Date Sampled	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	See below
Date Analyzed:	See below	**ENCOTEC Submission ID:**	100016900
Method Reference:	See below	**ENCOTEC Sample ID:**	200124798
Matrix:	SOIL	**Analyte List:**	N/A
Percent Total Solids:	89.6	**Calculation Basis:**	Dry Weight

	Metals Inorganics	QC Set ID	Date Analyzed	Method Ref.	Units	Quant Limit	Dil	Conc	Flag
1	Arsenic	IMSD1501	04/20/99	6020	mg/Kg	0.23	5	5.1	
2	Barium	ICPD1505	04/15/99	6010	mg/Kg	1.0	1	42	
3	Cadmium	IMSD1501	04/19/99	6020	mg/Kg	0.050	5	0.091	
4	Chromium	IMSD1501	04/19/99	6020	mg/Kg	0.50	5	11	
5	Copper	ICPD1505	04/15/99	6010	mg/Kg	1.0	1	12	
6	Lead	IMSD1501	04/19/99	6020	ug/Kg	1000	5	7000	
7	Manganese	ICPD1505	04/15/99	6010	mg/Kg	2.0	1	310	
8	Mercury	CVAD1802	04/19/99	7471	mg/Kg	0.10	1	U	
9	Selenium	IMSD1501	04/20/99	6020	mg/Kg	0.23	5	U	M
10	Silver	IMSD1501	04/19/99	6020	mg/Kg	0.50	5	U	
11	Strontium	IMSD1501	04/20/99	6020	mg/Kg	0.91	20	26	
12	Zinc	ICPD1505	04/15/99	6010	mg/Kg	1.0	1	33	

ANALYTICAL REPORT

Client: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-10-99 8-10'

Date Sampled	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	See below
Date Analyzed:	See below	**ENCOTEC Submission ID:**	100016900
Method Reference:	See below	**ENCOTEC Sample ID:**	200124800
Matrix:	SOIL	**Analyte List:**	N/A
Percent Total Solids:	81.6	**Calculation Basis:**	Dry Weight

	Metals Inorganics	QC Set ID	Date Analyzed	Method Ref.	Units	Quant Limit	Dil	Conc	Flag
1	Arsenic	IMSD1501	04/20/99	6020	mg/Kg	0.25	5	6.5	
2	Barium	ICPD1505	04/15/99	6010	mg/Kg	1.0	1	49	
3	Cadmium	IMSD1501	04/19/99	6020	mg/Kg	0.050	5	0.11	
4	Chromium	IMSD1501	04/19/99	6020	mg/Kg	0.50	5	11	
5	Copper	ICPD1505	04/15/99	6010	mg/Kg	1.0	1	14	
6	Lead	IMSD1501	04/19/99	6020	ug/Kg	1000	5	8400	
7	Manganese	ICPD1505	04/15/99	6010	mg/Kg	2.0	1	330	
8	Mercury	CVAD1802	04/19/99	7471	mg/Kg	0.10	1	U	
9	Selenium	IMSD1501	04/20/99	6020	mg/Kg	0.25	5	U	M
10	Silver	IMSD1501	04/19/99	6020	mg/Kg	0.50	5	U	
11	Strontium	IMSD1501	04/20/99	6020	mg/Kg	0.99	20	31	
12	Zinc	ICPD1505	04/15/99	6010	mg/Kg	1.0	1	40	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-7-99 2-4'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	04/14/99	**ENCOTEC QC Set ID:**	PSTD0101S
Analysis Date:	04/16/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124794
Method Reference:	8080	**Percent Total Solids:**	82.8
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	CHLORINATED PESTICIDES/PCBs MDEQ Part 201 List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
1	Aldrin	309-00-2	20	5	U	
2	delta-BHC	319-86-8	20	5	U	
3	beta-BHC	319-85-7	20	5	U	
4	alpha-BHC	319-84-6	20	5	U	
5	gamma-BHC (Lindane)	58-89-9	20	5	U	
6	Chlordane	57-74-9	97	5	U	
7	gamma-Chlordane	5103-74-2	20	5	U	
8	alpha-Chlordane	5103-71-9	20	5	U	
9	4,4'-DDD	72-54-8	24	5	U	
10	4,4'-DDE	72-55-9	24	5	U	
11	4,4'-DDT	50-29-3	24	5	U	
12	Dieldrin	60-57-1	24	5	U	
13	beta-Endosulfan	33213-65-9	24	5	U	
14	alpha-Endosulfan	959-98-8	20	5	U	
15	Endosulfan sulfate	1031-07-8	24	5	U	
16	Endrin	72-20-8	24	5	U	
17	Endrin aldehyde	7421-93-4	24	5	U	
18	Endrin ketone	53494-70-5	24	5	U	
19	Heptachlor	76-44-8	20	5	U	
20	Heptachlor epoxide	1024-57-3	20	5	U	
21	Methoxychlor	72-43-5	50	5	U	
22	PCB-1016	12674-11-2	330	5	U	
23	PCB-1221	11104-28-2	330	5	U	
24	PCB-1232	11141-16-5	330	5	U	
25	PCB-1242	53469-21-9	330	5	U	
26	PCB-1248	12672-29-6	330	5	U	
27	PCB-1254	11097-69-1	330	5	U	
28	PCB-1260	11096-82-5	330	5	U	
29	Toxaphene	8001-35-2	240	5	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-8-99 8-10'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	04/14/99	**ENCOTEC QC Set ID:**	PSTD0101S
Analysis Date:	04/16/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124796
Method Reference:	8080	**Percent Total Solids:**	86.5
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	CHLORINATED PESTICIDES/PCBs MDEQ Part 201 List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
1	Aldrin	309-00-2	20	5	U	
2	delta-BHC	319-86-8	20	5	U	
3	beta-BHC	319-85-7	20	5	U	
4	alpha-BHC	319-84-6	20	5	U	
5	gamma-BHC (Lindane)	58-89-9	20	5	U	
6	Chlordane	57-74-9	92	5	U	
7	gamma-Chlordane	5103-74-2	20	5	U	
8	alpha-Chlordane	5103-71-9	20	5	U	
9	4,4'-DDD	72-54-8	23	5	U	
10	4,4'-DDE	72-55-9	23	5	U	
11	4,4'-DDT	50-29-3	23	5	U	
12	Dieldrin	60-57-1	23	5	U	
13	beta-Endosulfan	33213-65-9	23	5	U	
14	alpha-Endosulfan	959-98-8	20	5	U	
15	Endosulfan sulfate	1031-07-8	23	5	U	
16	Endrin	72-20-8	23	5	U	
17	Endrin aldehyde	7421-93-4	23	5	U	
18	Endrin ketone	53494-70-5	23	5	U	
19	Heptachlor	76-44-8	20	5	U	
20	Heptachlor epoxide	1024-57-3	20	5	U	
21	Methoxychlor	72-43-5	50	5	U	
22	PCB-1016	12674-11-2	330	5	U	
23	PCB-1221	11104-28-2	330	5	U	
24	PCB-1232	11141-16-5	330	5	U	
25	PCB-1242	53469-21-9	330	5	U	
26	PCB-1248	12672-29-6	330	5	U	
27	PCB-1254	11097-69-1	330	5	U	
28	PCB-1260	11096-82-5	330	5	U	
29	Toxaphene	8001-35-2	230	5	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-9-99 4-6'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	04/14/99	**ENCOTEC QC Set ID:**	PSTD0101S
Analysis Date:	04/16/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124798
Method Reference:	8080	**Percent Total Solids:**	89.6
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	CHLORINATED PESTICIDES/PCBs MDEQ Part 201 List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
1	Aldrin	309-00-2	20	5	U	
2	delta-BHC	319-86-8	20	5	U	
3	beta-BHC	319-85-7	20	5	U	
4	alpha-BHC	319-84-6	20	5	U	
5	gamma-BHC (Lindane)	58-89-9	20	5	U	
6	Chlordane	57-74-9	89	5	U	
7	gamma-Chlordane	5103-74-2	20	5	U	
8	alpha-Chlordane	5103-71-9	20	5	U	
9	4,4'-DDD	72-54-8	22	5	U	
10	4,4'-DDE	72-55-9	22	5	U	
11	4,4'-DDT	50-29-3	22	5	U	
12	Dieldrin	60-57-1	22	5	U	
13	beta-Endosulfan	33213-65-9	22	5	U	
14	alpha-Endosulfan	959-98-8	20	5	U	
15	Endosulfan sulfate	1031-07-8	22	5	U	
16	Endrin	72-20-8	22	5	U	
17	Endrin aldehyde	7421-93-4	22	5	U	
18	Endrin ketone	53494-70-5	22	5	U	
19	Heptachlor	76-44-8	20	5	U	
20	Heptachlor epoxide	1024-57-3	20	5	U	
21	Methoxychlor	72-43-5	50	5	U	
22	PCB-1016	12674-11-2	330	5	U	
23	PCB-1221	11104-28-2	330	5	U	
24	PCB-1232	11141-16-5	330	5	U	
25	PCB-1242	53469-21-9	330	5	U	
26	PCB-1248	12672-29-6	330	5	U	
27	PCB-1254	11097-69-1	330	5	U	
28	PCB-1260	11096-82-5	330	5	U	
29	Toxaphene	8001-35-2	220	5	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-10-99 8-10'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	04/14/99	**ENCOTEC QC Set ID:**	PSTD0101S
Analysis Date:	04/16/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124800
Method Reference:	8080	**Percent Total Solids:**	81.6
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	CHLORINATED PESTICIDES/PCBs MDEQ Part 201 List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
1	Aldrin	309-00-2	20	5	U	
2	delta-BHC	319-86-8	20	5	U	
3	beta-BHC	319-85-7	20	5	U	
4	alpha-BHC	319-84-6	20	5	U	
5	gamma-BHC (Lindane)	58-89-9	20	5	U	
6	Chlordane	57-74-9	98	5	U	
7	gamma-Chlordane	5103-74-2	20	5	U	
8	alpha-Chlordane	5103-71-9	20	5	U	
9	4,4'-DDD	72-54-8	25	5	U	
10	4,4'-DDE	72-55-9	25	5	U	
11	4,4'-DDT	50-29-3	25	5	U	
12	Dieldrin	60-57-1	25	5	U	
13	beta-Endosulfan	33213-65-9	25	5	U	
14	alpha-Endosulfan	959-98-8	20	5	U	
15	Endosulfan sulfate	1031-07-8	25	5	U	
16	Endrin	72-20-8	25	5	U	
17	Endrin aldehyde	7421-93-4	25	5	U	
18	Endrin ketone	53494-70-5	25	5	U	
19	Heptachlor	76-44-8	20	5	U	
20	Heptachlor epoxide	1024-57-3	20	5	U	
21	Methoxychlor	72-43-5	50	5	U	
22	PCB-1016	12674-11-2	330	5	U	
23	PCB-1221	11104-28-2	330	5	U	
24	PCB-1232	11141-16-5	330	5	U	
25	PCB-1242	53469-21-9	330	5	U	
26	PCB-1248	12672-29-6	330	5	U	
27	PCB-1254	11097-69-1	330	5	U	
28	PCB-1260	11096-82-5	330	5	U	
29	Toxaphene	8001-35-2	250	5	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-7-99 2-4'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	04/14/99	**ENCOTEC QC Set ID:**	BNAD1407S
Analysis Date:	04/15/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124794
Method Reference:	8270C	**Percent Total Solids:**	82.8
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	SEMIVOLATILE ORGANICS MDEQ Part 201 List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
1	Acenaphthene	83-32-9	330	1.0	U	
2	Acenaphthylene	208-96-8	330	1.0	U	
3	Aniline	62-53-3	1700	1.0	U	
4	Anthracene	120-12-7	330	1.0	U	
5	Benzidine	92-87-5	5000	1.0	U	
6	Benzo(a)anthracene	56-55-3	330	1.0	U	
7	Benzo(a)pyrene	50-32-8	330	1.0	U	
8	Benzo(b)fluoranthene	205-99-2	330	1.0	U	
9	Benzo(g,h,i)perylene	191-24-2	330	1.0	U	
10	Benzo(k)fluoranthene	207-08-9	330	1.0	U	
11	4-Bromophenyl phenyl ether	101-55-3	330	1.0	U	
12	Butyl benzyl phthalate	85-68-7	330	1.0	U	
13	4-Chloro-3-methylphenol	59-50-7	330	1.0	U	
14	4-Chloroaniline	106-47-8	1300	1.0	U	
15	bis(2-Chloroethoxy)methane	111-91-1	330	1.0	U	
16	bis(2-Chloroethyl) ether	111-44-4	330	1.0	U	
17	bis(2-Chloroisopropyl) ether	108-60-1	330	1.0	U	
18	2-Chloronaphthalene	91-58-7	330	1.0	U	
19	2-Chlorophenol	95-57-8	330	1.0	U	
20	4-Chlorophenyl phenyl ether	7005-72-3	330	1.0	U	
21	Chrysene	218-01-9	330	1.0	U	
22	Di-n-butyl phthalate	84-74-2	330	1.0	U	
23	Di-n-octyl phthalate	117-84-0	330	1.0	U	
24	Dibenz(a,h)anthracene	53-70-3	330	1.0	U	
25	Dibenzofuran	132-64-9	330	1.0	U	
26	3,3'-Dichlorobenzidine	91-94-1	2000	1.0	U	
27	2,4-Dichlorophenol	120-83-2	330	1.0	U	
28	Diethyl phthalate	84-66-2	330	1.0	U	
29	Dimethyl phthalate	131-11-3	330	1.0	U	
30	2,4-Dimethylphenol	105-67-9	330	1.0	U	
31	4,6-Dinitro-2-methylphenol	534-52-1	1700	1.0	U	
32	2,4-Dinitrophenol	51-28-5	1700	1.0	U	
33	2,6-Dinitrotoluene	606-20-2	330	1.0	U	
34	2,4-Dinitrotoluene	121-14-2	330	1.0	U	
35	bis(2-Ethylhexyl) phthalate	117-81-7	330	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-7-99 2-4'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	04/14/99	**ENCOTEC QC Set ID:**	BNAD1407S
Analysis Date:	04/15/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124794
Method Reference:	8270C	**Percent Total Solids:**	82.8
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	SEMIVOLATILE ORGANICS MDEQ Part 201 List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
36	Fluoranthene	206-44-0	330	1.0	U	
37	Fluorene	86-73-7	330	1.0	U	
38	Hexachlorobenzene	118-74-1	330	1.0	U	
39	Hexachlorobutadiene	87-68-3	330	1.0	U	
40	Hexachlorocyclopentadiene	77-47-4	330	1.0	U	
41	Hexachloroethane	67-72-1	330	1.0	U	
42	Indeno(1,2,3-c,d)pyrene	193-39-5	330	1.0	U	
43	Isophorone	78-59-1	330	1.0	U	
44	2-Methylnaphthalene	91-57-6	330	1.0	U	
45	N-Nitroso-di-n-propylamine	621-64-7	330	1.0	U	
46	N-Nitrosodiphenylamine	86-30-6	330	1.0	U	
47	Naphthalene	91-20-3	330	1.0	U	
48	4-Nitroaniline	100-01-6	1700	1.0	U	
49	3-Nitroaniline	99-09-2	1700	1.0	U	
50	2-Nitroaniline	88-74-4	1700	1.0	U	
51	Nitrobenzene	98-95-3	330	1.0	U	
52	4-Nitrophenol	100-02-7	1700	1.0	U	
53	2-Nitrophenol	88-75-5	330	1.0	U	
54	Octachlorocyclopentene	706-78-5	330	1.0	U	
55	Pentachlorophenol	87-86-5	3400	1.0	U	
56	Phenanthrene	85-01-8	330	1.0	U	
57	Phenol	108-95-2	330	1.0	U	
58	Pyrene	129-00-0	330	1.0	U	
59	1,2,4-Trichlorobenzene	120-82-1	330	1.0	U	
60	2,4,6-Trichlorophenol	88-06-2	330	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-8-99 8-10'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	04/14/99	**ENCOTEC QC Set ID:**	BNAD1407S
Analysis Date:	04/16/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124796
Method Reference:	8270C	**Percent Total Solids:**	86.5
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	SEMIVOLATILE ORGANICS MDEQ Part 201 List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
1	Acenaphthene	83-32-9	330	1.0	U	
2	Acenaphthylene	208-96-8	330	1.0	U	
3	Aniline	62-53-3	1700	1.0	U	
4	Anthracene	120-12-7	330	1.0	U	
5	Benzidine	92-87-5	5000	1.0	U	
6	Benzo(a)anthracene	56-55-3	330	1.0	U	
7	Benzo(a)pyrene	50-32-8	330	1.0	U	
8	Benzo(b)fluoranthene	205-99-2	330	1.0	U	
9	Benzo(g,h,i)perylene	191-24-2	330	1.0	U	
10	Benzo(k)fluoranthene	207-08-9	330	1.0	U	
11	4-Bromophenyl phenyl ether	101-55-3	330	1.0	U	
12	Butyl benzyl phthalate	85-68-7	330	1.0	U	
13	4-Chloro-3-methylphenol	59-50-7	330	1.0	U	
14	4-Chloroaniline	106-47-8	1300	1.0	U	
15	bis(2-Chloroethoxy)methane	111-91-1	330	1.0	U	
16	bis(2-Chloroethyl) ether	111-44-4	330	1.0	U	
17	bis(2-Chloroisopropyl) ether	108-60-1	330	1.0	U	
18	2-Chloronaphthalene	91-58-7	330	1.0	U	
19	2-Chlorophenol	95-57-8	330	1.0	U	
20	4-Chlorophenyl phenyl ether	7005-72-3	330	1.0	U	
21	Chrysene	218-01-9	330	1.0	U	
22	Di-n-butyl phthalate	84-74-2	330	1.0	U	
23	Di-n-octyl phthalate	117-84-0	330	1.0	U	
24	Dibenz(a,h)anthracene	53-70-3	330	1.0	U	
25	Dibenzofuran	132-64-9	330	1.0	U	
26	3,3'-Dichlorobenzidine	91-94-1	2000	1.0	U	
27	2,4-Dichlorophenol	120-83-2	330	1.0	U	
28	Diethyl phthalate	84-66-2	330	1.0	U	
29	Dimethyl phthalate	131-11-3	330	1.0	U	
30	2,4-Dimethylphenol	105-67-9	330	1.0	U	
31	4,6-Dinitro-2-methylphenol	534-52-1	1700	1.0	U	
32	2,4-Dinitrophenol	51-28-5	1700	1.0	U	
33	2,6-Dinitrotoluene	606-20-2	330	1.0	U	
34	2,4-Dinitrotoluene	121-14-2	330	1.0	U	
35	bis(2-Ethylhexyl) phthalate	117-81-7	330	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-8-99 8-10'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	04/14/99	**ENCOTEC QC Set ID:**	BNAD1407S
Analysis Date:	04/16/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124796
Method Reference:	8270C	**Percent Total Solids:**	86.5
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	SEMIVOLATILE ORGANICS MDEQ Part 201 List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Fla
36	Fluoranthene	206-44-0	330	1.0	U	
37	Fluorene	86-73-7	330	1.0	U	
38	Hexachlorobenzene	118-74-1	330	1.0	U	
39	Hexachlorobutadiene	87-68-3	330	1.0	U	
40	Hexachlorocyclopentadiene	77-47-4	330	1.0	U	
41	Hexachloroethane	67-72-1	330	1.0	U	
42	Indeno(1,2,3-c,d)pyrene	193-39-5	330	1.0	U	
43	Isophorone	78-59-1	330	1.0	U	
44	2-Methylnaphthalene	91-57-6	330	1.0	U	
45	N-Nitroso-di-n-propylamine	621-64-7	330	1.0	U	
46	N-Nitrosodiphenylamine	86-30-6	330	1.0	U	
47	Naphthalene	91-20-3	330	1.0	U	
48	4-Nitroaniline	100-01-6	1700	1.0	U	
49	3-Nitroaniline	99-09-2	1700	1.0	U	
50	2-Nitroaniline	88-74-4	1700	1.0	U	
51	Nitrobenzene	98-95-3	330	1.0	U	
52	4-Nitrophenol	100-02-7	1700	1.0	U	
53	2-Nitrophenol	88-75-5	330	1.0	U	
54	Octachlorocyclopentene	706-78-5	330	1.0	U	
55	Pentachlorophenol	87-86-5	3400	1.0	U	
56	Phenanthrene	85-01-8	330	1.0	U	
57	Phenol	108-95-2	330	1.0	U	
58	Pyrene	129-00-0	330	1.0	U	
59	1,2,4-Trichlorobenzene	120-82-1	330	1.0	U	
60	2,4,6-Trichlorophenol	88-06-2	330	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-9-99 4-6'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	04/14/99	**ENCOTEC QC Set ID:**	BNAD1407S
Analysis Date:	04/16/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124798
Method Reference:	8270C	**Percent Total Solids:**	89.6
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	SEMIVOLATILE ORGANICS MDEQ Part 201 List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
1	Acenaphthene	83-32-9	330	1.0	U	
2	Acenaphthylene	208-96-8	330	1.0	U	
3	Aniline	62-53-3	1700	1.0	U	
4	Anthracene	120-12-7	330	1.0	U	
5	Benzidine	92-87-5	5000	1.0	U	
6	Benzo(a)anthracene	56-55-3	330	1.0	U	
7	Benzo(a)pyrene	50-32-8	330	1.0	U	
8	Benzo(b)fluoranthene	205-99-2	330	1.0	U	
9	Benzo(g,h,i)perylene	191-24-2	330	1.0	U	
10	Benzo(k)fluoranthene	207-08-9	330	1.0	U	
11	4-Bromophenyl phenyl ether	101-55-3	330	1.0	U	
12	Butyl benzyl phthalate	85-68-7	330	1.0	U	
13	4-Chloro-3-methylphenol	59-50-7	330	1.0	U	
14	4-Chloroaniline	106-47-8	1300	1.0	U	
15	bis(2-Chloroethoxy)methane	111-91-1	330	1.0	U	
16	bis(2-Chloroethyl) ether	111-44-4	330	1.0	U	
17	bis(2-Chloroisopropyl) ether	108-60-1	330	1.0	U	
18	2-Chloronaphthalene	91-58-7	330	1.0	U	
19	2-Chlorophenol	95-57-8	330	1.0	U	
20	4-Chlorophenyl phenyl ether	7005-72-3	330	1.0	U	
21	Chrysene	218-01-9	330	1.0	U	
22	Di-n-butyl phthalate	84-74-2	330	1.0	U	
23	Di-n-octyl phthalate	117-84-0	330	1.0	U	
24	Dibenz(a,h)anthracene	53-70-3	330	1.0	U	
25	Dibenzofuran	132-64-9	330	1.0	U	
26	3,3'-Dichlorobenzidine	91-94-1	2000	1.0	U	
27	2,4-Dichlorophenol	120-83-2	330	1.0	U	
28	Diethyl phthalate	84-66-2	330	1.0	U	
29	Dimethyl phthalate	131-11-3	330	1.0	U	
30	2,4-Dimethylphenol	105-67-9	330	1.0	U	
31	4,6-Dinitro-2-methylphenol	534-52-1	1700	1.0	U	
32	2,4-Dinitrophenol	51-28-5	1700	1.0	U	
33	2,6-Dinitrotoluene	606-20-2	330	1.0	U	
34	2,4-Dinitrotoluene	121-14-2	330	1.0	U	
35	bis(2-Ethylhexyl) phthalate	117-81-7	330	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-9-99 4-6'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	04/14/99	**ENCOTEC QC Set ID:**	BNAD1407S
Analysis Date:	04/16/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124798
Method Reference:	8270C	**Percent Total Solids:**	89.6
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	SEMIVOLATILE ORGANICS MDEQ Part 201 List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
36	Fluoranthene	206-44-0	330	1.0	U	
37	Fluorene	86-73-7	330	1.0	U	
38	Hexachlorobenzene	118-74-1	330	1.0	U	
39	Hexachlorobutadiene	87-68-3	330	1.0	U	
40	Hexachlorocyclopentadiene	77-47-4	330	1.0	U	
41	Hexachloroethane	67-72-1	330	1.0	U	
42	Indeno(1,2,3-c,d)pyrene	193-39-5	330	1.0	U	
43	Isophorone	78-59-1	330	1.0	U	
44	2-Methylnaphthalene	91-57-6	330	1.0	U	
45	N-Nitroso-di-n-propylamine	621-64-7	330	1.0	U	
46	N-Nitrosodiphenylamine	86-30-6	330	1.0	U	
47	Naphthalene	91-20-3	330	1.0	U	
48	4-Nitroaniline	100-01-6	1700	1.0	U	
49	3-Nitroaniline	99-09-2	1700	1.0	U	
50	2-Nitroaniline	88-74-4	1700	1.0	U	
51	Nitrobenzene	98-95-3	330	1.0	U	
52	4-Nitrophenol	100-02-7	1700	1.0	U	
53	2-Nitrophenol	88-75-5	330	1.0	U	
54	Octachlorocyclopentene	706-78-5	330	1.0	U	
55	Pentachlorophenol	87-86-5	3400	1.0	U	
56	Phenanthrene	85-01-8	330	1.0	U	
57	Phenol	108-95-2	330	1.0	U	
58	Pyrene	129-00-0	330	1.0	U	
59	1,2,4-Trichlorobenzene	120-82-1	330	1.0	U	
60	2,4,6-Trichlorophenol	88-06-2	330	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-10-99 8-10'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	04/14/99	**ENCOTEC QC Set ID:**	BNAD1407S
Analysis Date:	04/16/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124800
Method Reference:	8270C	**Percent Total Solids:**	81.6
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	SEMIVOLATILE ORGANICS MDEQ Part 201 List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
1	Acenaphthene	83-32-9	330	1.0	U	
2	Acenaphthylene	208-96-8	330	1.0	U	
3	Aniline	62-53-3	1700	1.0	U	
4	Anthracene	120-12-7	330	1.0	U	
5	Benzidine	92-87-5	5000	1.0	U	
6	Benzo(a)anthracene	56-55-3	330	1.0	U	
7	Benzo(a)pyrene	50-32-8	330	1.0	U	
8	Benzo(b)fluoranthene	205-99-2	330	1.0	U	
9	Benzo(g,h,i)perylene	191-24-2	330	1.0	U	
10	Benzo(k)fluoranthene	207-08-9	330	1.0	U	
11	4-Bromophenyl phenyl ether	101-55-3	330	1.0	U	
12	Butyl benzyl phthalate	85-68-7	330	1.0	U	
13	4-Chloro-3-methylphenol	59-50-7	330	1.0	U	
14	4-Chloroaniline	106-47-8	1300	1.0	U	
15	bis(2-Chloroethoxy)methane	111-91-1	330	1.0	U	
16	bis(2-Chloroethyl) ether	111-44-4	330	1.0	U	
17	bis(2-Chloroisopropyl) ether	108-60-1	330	1.0	U	
18	2-Chloronaphthalene	91-58-7	330	1.0	U	
19	2-Chlorophenol	95-57-8	330	1.0	U	
20	4-Chlorophenyl phenyl ether	7005-72-3	330	1.0	U	
21	Chrysene	218-01-9	330	1.0	U	
22	Di-n-butyl phthalate	84-74-2	330	1.0	U	
23	Di-n-octyl phthalate	117-84-0	330	1.0	U	
24	Dibenz(a,h)anthracene	53-70-3	330	1.0	U	
25	Dibenzofuran	132-64-9	330	1.0	U	
26	3,3'-Dichlorobenzidine	91-94-1	2000	1.0	U	
27	2,4-Dichlorophenol	120-83-2	330	1.0	U	
28	Diethyl phthalate	84-66-2	330	1.0	U	
29	Dimethyl phthalate	131-11-3	330	1.0	U	
30	2,4-Dimethylphenol	105-67-9	330	1.0	U	
31	4,6-Dinitro-2-methylphenol	534-52-1	1700	1.0	U	
32	2,4-Dinitrophenol	51-28-5	1700	1.0	U	
33	2,6-Dinitrotoluene	606-20-2	330	1.0	U	
34	2,4-Dinitrotoluene	121-14-2	330	1.0	U	
35	bis(2-Ethylhexyl) phthalate	117-81-7	330	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-10-99 8-10'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	04/14/99	**ENCOTEC QC Set ID:**	BNAD1407S
Analysis Date:	04/16/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124800
Method Reference:	8270C	**Percent Total Solids:**	81.6
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	SEMIVOLATILE ORGANICS MDEQ Part 201 List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Fla
36	Fluoranthene	206-44-0	330	1.0	U	
37	Fluorene	86-73-7	330	1.0	U	
38	Hexachlorobenzene	118-74-1	330	1.0	U	
39	Hexachlorobutadiene	87-68-3	330	1.0	U	
40	Hexachlorocyclopentadiene	77-47-4	330	1.0	U	
41	Hexachloroethane	67-72-1	330	1.0	U	
42	Indeno(1,2,3-c,d)pyrene	193-39-5	330	1.0	U	
43	Isophorone	78-59-1	330	1.0	U	
44	2-Methylnaphthalene	91-57-6	330	1.0	U	
45	N-Nitroso-di-n-propylamine	621-64-7	330	1.0	U	
46	N-Nitrosodiphenylamine	86-30-6	330	1.0	U	
47	Naphthalene	91-20-3	330	1.0	U	
48	4-Nitroaniline	100-01-6	1700	1.0	U	
49	3-Nitroaniline	99-09-2	1700	1.0	U	
50	2-Nitroaniline	88-74-4	1700	1.0	U	
51	Nitrobenzene	98-95-3	330	1.0	U	
52	4-Nitrophenol	100-02-7	1700	1.0	U	
53	2-Nitrophenol	88-75-5	330	1.0	U	
54	Octachlorocyclopentene	706-78-5	330	1.0	U	
55	Pentachlorophenol	87-86-5	3400	1.0	U	
56	Phenanthrene	85-01-8	330	1.0	U	
57	Phenol	108-95-2	330	1.0	U	
58	Pyrene	129-00-0	330	1.0	U	
59	1,2,4-Trichlorobenzene	120-82-1	330	1.0	U	
60	2,4,6-Trichlorophenol	88-06-2	330	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-7-99 2-4'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	VOJD1501M
Analysis Date:	04/15/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124794
Method Reference:	5035/8260B	**Percent Total Solids:**	82.8
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	VOLATILE ORGANICS List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
1	Acetone	67-64-1	750	1.0	U	
2	Acrylonitrile	107-13-1	300	1.0	U	
3	Benzene	71-43-2	60	1.0	U	
4	Bromochloromethane	74-97-5	100	1.0	U	
5	Bromodichloromethane	75-27-4	100	1.0	U	
6	Bromoform	75-25-2	100	1.0	U	
7	Bromomethane	74-83-9	250	1.0	U	
8	2-Butanone (MEK)	78-93-3	300	1.0	U	
9	Carbon disulfide	75-15-0	250	1.0	U	
10	Carbon tetrachloride	56-23-5	60	1.0	U	
11	Chlorobenzene	108-90-7	60	1.0	U	
12	Chloroethane	75-00-3	300	1.0	U	
13	Chloroform	67-66-3	60	1.0	U	
14	Chloromethane	74-87-3	300	1.0	U	
15	1,2-Dibromo-3-chloropropane	96-12-8	300	1.0	U	
16	Dibromochloromethane	124-48-1	100	1.0	U	
17	1,2-Dibromoethane	106-93-4	60	1.0	U	
18	Dibromomethane	74-95-3	100	1.0	U	
19	trans-1,4-Dichloro-2-butene	110-57-6	100	1.0	U	
20	1,4-Dichlorobenzene	106-46-7	100	1.0	U	
21	1,2-Dichlorobenzene	95-50-1	100	1.0	U	
22	1,3-Dichlorobenzene	541-73-1	100	1.0	U	
23	Dichlorodifluoromethane	75-71-8	300	1.0	U	
24	1,1-Dichloroethane	75-34-3	60	1.0	U	
25	1,2-Dichloroethane	107-06-2	60	1.0	U	
26	trans-1,2-Dichloroethene	156-60-5	60	1.0	U	
27	cis-1,2-Dichloroethene	156-59-2	60	1.0	U	
28	1,1-Dichloroethene	75-35-4	60	1.0	U	
29	1,2-Dichloropropane	78-87-5	60	1.0	U	
30	trans-1,3-Dichloropropene	10061-02-6	60	1.0	U	
31	cis-1,3-Dichloropropene	10061-01-5	60	1.0	U	
32	Diethyl ether	60-29-7	300	1.0	U	
33	Ethylbenzene	100-41-4	60	1.0	U	
34	Hexachloroethane	67-72-1	100	1.0	U	
35	2-Hexanone	591-78-6	300	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-7-99 2-4'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	VOJD1501M
Analysis Date:	04/15/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124794
Method Reference:	5035/8260B	**Percent Total Solids:**	82.8
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	VOLATILE ORGANICS List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Fla
36	Isopropylbenzene	98-82-8	100	1.0	U	
37	Methyl iodide	74-88-4	60	1.0	U	
38	Methyl(tert)butyl ether	1634-04-4	300	1.0	U	
39	4-Methyl-2-pentanone (MIBK)	108-10-1	300	1.0	U	
40	Methylene chloride	75-09-2	300	1.0	U	
41	2-Methylnaphthalene	91-57-6	3000	1.0	U	
42	Naphthalene	91-20-3	300	1.0	U	
43	n-Propylbenzene	103-65-1	100	1.0	U	
44	Styrene	100-42-5	60	1.0	U	
45	1,1,2,2-Tetrachloroethane	79-34-5	100	1.0	U	
46	1,1,1,2-Tetrachloroethane	630-20-6	100	1.0	U	
47	Tetrachloroethene	127-18-4	60	1.0	U	
48	Toluene	108-88-3	60	1.0	U	
49	1,2,4-Trichlorobenzene	120-82-1	300	1.0	U	
50	1,1,2-Trichloroethane	79-00-5	60	1.0	U	
51	1,1,1-Trichloroethane	71-55-6	60	1.0	U	
52	Trichloroethene	79-01-6	60	1.0	U	
53	Trichlorofluoromethane	75-69-4	300	1.0	U	
54	1,2,3-Trichloropropane	96-18-4	100	1.0	U	
55	1,3,5-Trimethylbenzene	108-67-8	100	1.0	U	
56	1,2,4-Trimethylbenzene	95-63-6	60	1.0	U	
57	Vinyl acetate	108-05-4	100	1.0	U	
58	Vinyl chloride	75-01-4	100	1.0	U	
59	1,2-Xylene	95-47-6	60	1.0	U	
60	1,3-Xylene and 1,4-Xylene	108-38-3	120	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-8-99 8-10'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	VOJD1501M
Analysis Date:	04/15/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124796
Method Reference:	5035/8260B	**Percent Total Solids:**	86.5
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	VOLATILE ORGANICS List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
1	Acetone	67-64-1	750	1.0	U	
2	Acrylonitrile	107-13-1	290	1.0	U	
3	Benzene	71-43-2	58	1.0	170	
4	Bromochloromethane	74-97-5	100	1.0	U	
5	Bromodichloromethane	75-27-4	100	1.0	U	
6	Bromoform	75-25-2	100	1.0	U	
7	Bromomethane	74-83-9	250	1.0	U	
8	2-Butanone (MEK)	78-93-3	290	1.0	U	
9	Carbon disulfide	75-15-0	250	1.0	U	
10	Carbon tetrachloride	56-23-5	58	1.0	U	
11	Chlorobenzene	108-90-7	58	1.0	U	
12	Chloroethane	75-00-3	290	1.0	U	
13	Chloroform	67-66-3	58	1.0	U	
14	Chloromethane	74-87-3	290	1.0	U	
15	1,2-Dibromo-3-chloropropane	96-12-8	290	1.0	U	
16	Dibromochloromethane	124-48-1	100	1.0	U	
17	1,2-Dibromoethane	106-93-4	58	1.0	U	
18	Dibromomethane	74-95-3	100	1.0	U	
19	trans-1,4-Dichloro-2-butene	110-57-6	100	1.0	U	
20	1,4-Dichlorobenzene	106-46-7	100	1.0	U	
21	1,2-Dichlorobenzene	95-50-1	100	1.0	U	
22	1,3-Dichlorobenzene	541-73-1	100	1.0	U	
23	Dichlorodifluoromethane	75-71-8	290	1.0	U	
24	1,1-Dichloroethane	75-34-3	58	1.0	U	
25	1,2-Dichloroethane	107-06-2	58	1.0	U	
26	trans-1,2-Dichloroethene	156-60-5	58	1.0	U	
27	cis-1,2-Dichloroethene	156-59-2	58	1.0	U	
28	1,1-Dichloroethene	75-35-4	58	1.0	U	
29	1,2-Dichloropropane	78-87-5	58	1.0	U	
30	trans-1,3-Dichloropropene	10061-02-6	58	1.0	U	
31	cis-1,3-Dichloropropene	10061-01-5	58	1.0	U	
32	Diethyl ether	60-29-7	290	1.0	U	
33	Ethylbenzene	100-41-4	58	1.0	U	
34	Hexachloroethane	67-72-1	100	1.0	U	
35	2-Hexanone	591-78-6	290	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-8-99 8-10'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	VOJD1501M
Analysis Date:	04/15/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124796
Method Reference:	5035/8260B	**Percent Total Solids:**	86.5
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	VOLATILE ORGANICS List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Fla
36	Isopropylbenzene	98-82-8	100	1.0	U	
37	Methyl iodide	74-88-4	58	1.0	U	
38	Methyl(tert)butyl ether	1634-04-4	290	1.0	U	
39	4-Methyl-2-pentanone (MIBK)	108-10-1	290	1.0	U	
40	Methylene chloride	75-09-2	290	1.0	U	
41	2-Methylnaphthalene	91-57-6	2900	1.0	U	
42	Naphthalene	91-20-3	290	1.0	U	
43	n-Propylbenzene	103-65-1	100	1.0	U	
44	Styrene	100-42-5	58	1.0	U	
45	1,1,2,2-Tetrachloroethane	79-34-5	100	1.0	U	
46	1,1,1,2-Tetrachloroethane	630-20-6	100	1.0	U	
47	Tetrachloroethene	127-18-4	58	1.0	U	
48	Toluene	108-88-3	58	1.0	U	
49	1,2,4-Trichlorobenzene	120-82-1	290	1.0	U	
50	1,1,2-Trichloroethane	79-00-5	58	1.0	U	
51	1,1,1-Trichloroethane	71-55-6	58	1.0	U	
52	Trichloroethene	79-01-6	58	1.0	U	
53	Trichlorofluoromethane	75-69-4	290	1.0	U	
54	1,2,3-Trichloropropane	96-18-4	100	1.0	U	
55	1,3,5-Trimethylbenzene	108-67-8	100	1.0	410	
56	1,2,4-Trimethylbenzene	95-63-6	58	1.0	U	
57	Vinyl acetate	108-05-4	100	1.0	U	
58	Vinyl chloride	75-01-4	100	1.0	U	
59	1,2-Xylene	95-47-6	58	1.0	U	
60	1,3-Xylene and 1,4-Xylene	108-38-3	120	1.0	330	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-8-99 8-10'

Date Sampled:	04/23/99	**ENCOTEC Project ID:**	71251
Date Received:	04/26/99	**ENCOTEC SDG ID:**	IE-2811-99D2
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	VOJD2901W
SPLP Date:	04/27/99	**ENCOTEC Submission ID:**	100017058
Analysis Date:	04/29/99	**ENCOTEC Sample ID:**	200125746
Second Analysis Date:	N/A	**Matrix:**	SPLP EXTRACT
Method Reference:	8260B	**Calculation Basis:**	N/A

	VOLATILE ORGANICS MDEQ Part 201 List	CAS #	Quant Limit (ug/L)	Dil	Conc (ug/L)	Flag
1	Benzene	71-43-2	5.0	1.0	U	

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Telephone: (734) 761-1389 - Telefax: (734) 761-1034

Report Date: 05/04/99

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-8-99 12-14'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/26/99	**ENCOTEC SDG ID:**	IE-2811-99D2
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	VOJD1101M
Analysis Date:	04/27/99	**ENCOTEC Submission ID:**	100017058
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200125744
Method Reference:	5035/8260B	**Percent Total Solids:**	N/A
Matrix:	SOIL	**Calculation Basis:**	Wet Weight

	VOLATILE ORGANICS List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
1	Acetone	67-64-1	750	1.0	U	
2	Acrylonitrile	107-13-1	250	1.0	U	
3	Benzene	71-43-2	50	1.0	U	
4	Bromochloromethane	74-97-5	100	1.0	U	
5	Bromodichloromethane	75-27-4	100	1.0	U	
6	Bromoform	75-25-2	100	1.0	U	
7	Bromomethane	74-83-9	250	1.0	U	
8	2-Butanone (MEK)	78-93-3	250	1.0	U	
9	Carbon disulfide	75-15-0	250	1.0	U	
10	Carbon tetrachloride	56-23-5	50	1.0	U	
11	Chlorobenzene	108-90-7	50	1.0	U	
12	Chloroethane	75-00-3	250	1.0	U	
13	Chloroform	67-66-3	50	1.0	U	
14	Chloromethane	74-87-3	250	1.0	U	
15	1,2-Dibromo-3-chloropropane	96-12-8	250	1.0	U	
16	Dibromochloromethane	124-48-1	100	1.0	U	
17	1,2-Dibromoethane	106-93-4	50	1.0	U	
18	Dibromomethane	74-95-3	100	1.0	U	
19	trans-1,4-Dichloro-2-butene	110-57-6	100	1.0	U	
20	1,4-Dichlorobenzene	106-46-7	100	1.0	U	
21	1,2-Dichlorobenzene	95-50-1	100	1.0	U	
22	1,3-Dichlorobenzene	541-73-1	100	1.0	U	
23	Dichlorodifluoromethane	75-71-8	250	1.0	U	
24	1,1-Dichloroethane	75-34-3	50	1.0	U	
25	1,2-Dichloroethane	107-06-2	50	1.0	U	
26	trans-1,2-Dichloroethene	156-60-5	50	1.0	U	
27	cis-1,2-Dichloroethene	156-59-2	50	1.0	U	
28	1,1-Dichloroethene	75-35-4	50	1.0	U	
29	1,2-Dichloropropane	78-87-5	50	1.0	U	
30	trans-1,3-Dichloropropene	10061-02-6	50	1.0	U	
31	cis-1,3-Dichloropropene	10061-01-5	50	1.0	U	
32	Diethyl ether	60-29-7	250	1.0	U	
33	Ethylbenzene	100-41-4	50	1.0	U	
34	Hexachloroethane	67-72-1	100	1.0	U	
35	2-Hexanone	591-78-6	250	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-8-99 12-14'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/26/99	**ENCOTEC SDG ID:**	IE-2811-99D2
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	VOJD1101M
Analysis Date:	04/27/99	**ENCOTEC Submission ID:**	100017058
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200125744
Method Reference:	5035/8260B	**Percent Total Solids:**	N/A
Matrix:	SOIL	**Calculation Basis:**	Wet Weight

	VOLATILE ORGANICS List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
36	Isopropylbenzene	98-82-8	100	1.0	U	
37	Methyl iodide	74-88-4	50	1.0	U	
38	Methyl(tert)butyl ether	1634-04-4	250	1.0	U	
39	4-Methyl-2-pentanone (MIBK)	108-10-1	250	1.0	U	
40	Methylene chloride	75-09-2	250	1.0	U	
41	2-Methylnaphthalene	91-57-6	2500	1.0	U	
42	Naphthalene	91-20-3	250	1.0	U	
43	n-Propylbenzene	103-65-1	100	1.0	U	
44	Styrene	100-42-5	50	1.0	U	
45	1,1,2,2-Tetrachloroethane	79-34-5	100	1.0	U	
46	1,1,1,2-Tetrachloroethane	630-20-6	100	1.0	U	
47	Tetrachloroethene	127-18-4	50	1.0	U	
48	Toluene	108-88-3	50	1.0	U	
49	1,2,4-Trichlorobenzene	120-82-1	250	1.0	U	
50	1,1,2-Trichloroethane	79-00-5	50	1.0	U	
51	1,1,1-Trichloroethane	71-55-6	50	1.0	U	
52	Trichloroethene	79-01-6	50	1.0	U	
53	Trichlorofluoromethane	75-69-4	250	1.0	U	
54	1,2,3-Trichloropropane	96-18-4	100	1.0	U	
55	1,3,5-Trimethylbenzene	108-67-8	100	1.0	U	
56	1,2,4-Trimethylbenzene	95-63-6	50	1.0	U	
57	Vinyl acetate	108-05-4	100	1.0	U	
58	Vinyl chloride	75-01-4	100	1.0	U	
59	1,2-Xylene	95-47-6	50	1.0	U	
60	1,3-Xylene and 1,4-Xylene	108-38-3	100	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-9-99 4-6'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	VOJD1501M
Analysis Date:	04/15/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124798
Method Reference:	5035/8260B	**Percent Total Solids:**	89.6
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	VOLATILE ORGANICS List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Fl
1	Acetone	67-64-1	750	1.0	U	
2	Acrylonitrile	107-13-1	280	1.0	U	
3	Benzene	71-43-2	56	1.0	U	
4	Bromochloromethane	74-97-5	100	1.0	U	
5	Bromodichloromethane	75-27-4	100	1.0	U	
6	Bromoform	75-25-2	100	1.0	U	
7	Bromomethane	74-83-9	250	1.0	U	
8	2-Butanone (MEK)	78-93-3	280	1.0	U	
9	Carbon disulfide	75-15-0	250	1.0	U	
10	Carbon tetrachloride	56-23-5	56	1.0	U	
11	Chlorobenzene	108-90-7	56	1.0	U	
12	Chloroethane	75-00-3	280	1.0	U	
13	Chloroform	67-66-3	56	1.0	U	
14	Chloromethane	74-87-3	280	1.0	U	
15	1,2-Dibromo-3-chloropropane	96-12-8	280	1.0	U	
16	Dibromochloromethane	124-48-1	100	1.0	U	
17	1,2-Dibromoethane	106-93-4	56	1.0	U	
18	Dibromomethane	74-95-3	100	1.0	U	
19	trans-1,4-Dichloro-2-butene	110-57-6	100	1.0	U	
20	1,4-Dichlorobenzene	106-46-7	100	1.0	U	
21	1,2-Dichlorobenzene	95-50-1	100	1.0	U	
22	1,3-Dichlorobenzene	541-73-1	100	1.0	U	
23	Dichlorodifluoromethane	75-71-8	280	1.0	U	
24	1,1-Dichloroethane	75-34-3	56	1.0	U	
25	1,2-Dichloroethane	107-06-2	56	1.0	U	
26	trans-1,2-Dichloroethene	156-60-5	56	1.0	U	
27	cis-1,2-Dichloroethene	156-59-2	56	1.0	U	
28	1,1-Dichloroethene	75-35-4	56	1.0	U	
29	1,2-Dichloropropane	78-87-5	56	1.0	U	
30	trans-1,3-Dichloropropene	10061-02-6	56	1.0	U	
31	cis-1,3-Dichloropropene	10061-01-5	56	1.0	U	
32	Diethyl ether	60-29-7	280	1.0	U	
33	Ethylbenzene	100-41-4	56	1.0	U	
34	Hexachloroethane	67-72-1	100	1.0	U	
35	2-Hexanone	591-78-6	280	1.0	U	

Safety-Kleen (ENCOTEC), Inc.
3985 Research Park Drive ■ Ann Arbor, MI 48108
Telephone: (734) 761-1389 - Telefax: (734) 761-1034

Report Date: 04/20/99

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-9-99 4-6'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	VOJD1501M
Analysis Date:	04/15/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124798
Method Reference:	5035/8260B	**Percent Total Solids:**	89.6
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	VOLATILE ORGANICS List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
36	Isopropylbenzene	98-82-8	100	1.0	U	
37	Methyl iodide	74-88-4	56	1.0	U	
38	Methyl(tert)butyl ether	1634-04-4	280	1.0	U	
39	4-Methyl-2-pentanone (MIBK)	108-10-1	280	1.0	U	
40	Methylene chloride	75-09-2	280	1.0	U	
41	2-Methylnaphthalene	91-57-6	2800	1.0	U	
42	Naphthalene	91-20-3	280	1.0	U	
43	n-Propylbenzene	103-65-1	100	1.0	U	
44	Styrene	100-42-5	56	1.0	U	
45	1,1,2,2-Tetrachloroethane	79-34-5	100	1.0	U	
46	1,1,1,2-Tetrachloroethane	630-20-6	100	1.0	U	
47	Tetrachloroethene	127-18-4	56	1.0	U	
48	Toluene	108-88-3	56	1.0	U	
49	1,2,4-Trichlorobenzene	120-82-1	280	1.0	U	
50	1,1,2-Trichloroethane	79-00-5	56	1.0	U	
51	1,1,1-Trichloroethane	71-55-6	56	1.0	U	
52	Trichloroethene	79-01-6	56	1.0	U	
53	Trichlorofluoromethane	75-69-4	280	1.0	U	
54	1,2,3-Trichloropropane	96-18-4	100	1.0	U	
55	1,3,5-Trimethylbenzene	108-67-8	100	1.0	U	
56	1,2,4-Trimethylbenzene	95-63-6	56	1.0	U	
57	Vinyl acetate	108-05-4	100	1.0	U	
58	Vinyl chloride	75-01-4	100	1.0	U	
59	1,2-Xylene	95-47-6	56	1.0	U	
60	1,3-Xylene and 1,4-Xylene	108-38-3	110	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-9-99 8-10

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/26/99	**ENCOTEC SDG ID:**	IE-2811-99D2
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	VOJD1101M
Analysis Date:	04/27/99	**ENCOTEC Submission ID:**	100017058
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200125745
Method Reference:	5035/8260B	**Percent Total Solids:**	N/A
Matrix:	SOIL	**Calculation Basis:**	Wet Weight

	VOLATILE ORGANICS List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Fla
1	Acetone	67-64-1	750	1.0	U	
2	Acrylonitrile	107-13-1	250	1.0	U	
3	Benzene	71-43-2	50	1.0	U	
4	Bromochloromethane	74-97-5	100	1.0	U	
5	Bromodichloromethane	75-27-4	100	1.0	U	
6	Bromoform	75-25-2	100	1.0	U	
7	Bromomethane	74-83-9	250	1.0	U	
8	2-Butanone (MEK)	78-93-3	250	1.0	U	
9	Carbon disulfide	75-15-0	250	1.0	U	
10	Carbon tetrachloride	56-23-5	50	1.0	U	
11	Chlorobenzene	108-90-7	50	1.0	U	
12	Chloroethane	75-00-3	250	1.0	U	
13	Chloroform	67-66-3	50	1.0	U	
14	Chloromethane	74-87-3	250	1.0	U	
15	1,2-Dibromo-3-chloropropane	96-12-8	250	1.0	U	
16	Dibromochloromethane	124-48-1	100	1.0	U	
17	1,2-Dibromoethane	106-93-4	50	1.0	U	
18	Dibromomethane	74-95-3	100	1.0	U	
19	trans-1,4-Dichloro-2-butene	110-57-6	100	1.0	U	
20	1,4-Dichlorobenzene	106-46-7	100	1.0	U	
21	1,2-Dichlorobenzene	95-50-1	100	1.0	U	
22	1,3-Dichlorobenzene	541-73-1	100	1.0	U	
23	Dichlorodifluoromethane	75-71-8	250	1.0	U	
24	1,1-Dichloroethane	75-34-3	50	1.0	U	
25	1,2-Dichloroethane	107-06-2	50	1.0	U	
26	trans-1,2-Dichloroethene	156-60-5	50	1.0	U	
27	cis-1,2-Dichloroethene	156-59-2	50	1.0	U	
28	1,1-Dichloroethene	75-35-4	50	1.0	U	
29	1,2-Dichloropropane	78-87-5	50	1.0	U	
30	trans-1,3-Dichloropropene	10061-02-6	50	1.0	U	
31	cis-1,3-Dichloropropene	10061-01-5	50	1.0	U	
32	Diethyl ether	60-29-7	250	1.0	U	
33	Ethylbenzene	100-41-4	50	1.0	U	
34	Hexachloroethane	67-72-1	100	1.0	U	
35	2-Hexanone	591-78-6	250	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-9-99 8-10

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/26/99	**ENCOTEC SDG ID:**	IE-2811-99D2
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	VOJD1101M
Analysis Date:	04/27/99	**ENCOTEC Submission ID:**	100017058
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200125745
Method Reference:	5035/8260B	**Percent Total Solids:**	N/A
Matrix:	SOIL	**Calculation Basis:**	Wet Weight

	VOLATILE ORGANICS List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
36	Isopropylbenzene	98-82-8	100	1.0	U	
37	Methyl iodide	74-88-4	50	1.0	U	
38	Methyl(tert)butyl ether	1634-04-4	250	1.0	U	
39	4-Methyl-2-pentanone (MIBK)	108-10-1	250	1.0	U	
40	Methylene chloride	75-09-2	250	1.0	U	
41	2-Methylnaphthalene	91-57-6	2500	1.0	U	
42	Naphthalene	91-20-3	250	1.0	U	
43	n-Propylbenzene	103-65-1	100	1.0	U	
44	Styrene	100-42-5	50	1.0	U	
45	1,1,2,2-Tetrachloroethane	79-34-5	100	1.0	U	
46	1,1,1,2-Tetrachloroethane	630-20-6	100	1.0	U	
47	Tetrachloroethene	127-18-4	50	1.0	U	
48	Toluene	108-88-3	50	1.0	U	
49	1,2,4-Trichlorobenzene	120-82-1	250	1.0	U	
50	1,1,2-Trichloroethane	79-00-5	50	1.0	U	
51	1,1,1-Trichloroethane	71-55-6	50	1.0	U	
52	Trichloroethene	79-01-6	50	1.0	U	
53	Trichlorofluoromethane	75-69-4	250	1.0	U	
54	1,2,3-Trichloropropane	96-18-4	100	1.0	U	
55	1,3,5-Trimethylbenzene	108-67-8	100	1.0	U	
56	1,2,4-Trimethylbenzene	95-63-6	50	1.0	U	
57	Vinyl acetate	108-05-4	100	1.0	U	
58	Vinyl chloride	75-01-4	100	1.0	U	
59	1,2-Xylene	95-47-6	50	1.0	U	
60	1,3-Xylene and 1,4-Xylene	108-38-3	100	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-10-99 8-10'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	VOJD1501M
Analysis Date:	04/15/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124800
Method Reference:	5035/8260B	**Percent Total Solids:**	81.6
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	VOLATILE ORGANICS List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Fla
1	Acetone	67-64-1	750	1.0	U	
2	Acrylonitrile	107-13-1	310	1.0	U	
3	Benzene	71-43-2	61	1.0	U	
4	Bromochloromethane	74-97-5	100	1.0	U	
5	Bromodichloromethane	75-27-4	100	1.0	U	
6	Bromoform	75-25-2	100	1.0	U	
7	Bromomethane	74-83-9	250	1.0	U	
8	2-Butanone (MEK)	78-93-3	310	1.0	U	
9	Carbon disulfide	75-15-0	250	1.0	U	
10	Carbon tetrachloride	56-23-5	61	1.0	U	
11	Chlorobenzene	108-90-7	61	1.0	U	
12	Chloroethane	75-00-3	310	1.0	U	
13	Chloroform	67-66-3	61	1.0	U	
14	Chloromethane	74-87-3	310	1.0	U	
15	1,2-Dibromo-3-chloropropane	96-12-8	310	1.0	U	
16	Dibromochloromethane	124-48-1	100	1.0	U	
17	1,2-Dibromoethane	106-93-4	61	1.0	U	
18	Dibromomethane	74-95-3	100	1.0	U	
19	trans-1,4-Dichloro-2-butene	110-57-6	100	1.0	U	
20	1,4-Dichlorobenzene	106-46-7	100	1.0	U	
21	1,2-Dichlorobenzene	95-50-1	100	1.0	U	
22	1,3-Dichlorobenzene	541-73-1	100	1.0	U	
23	Dichlorodifluoromethane	75-71-8	310	1.0	U	
24	1,1-Dichloroethane	75-34-3	61	1.0	U	
25	1,2-Dichloroethane	107-06-2	61	1.0	U	
26	trans-1,2-Dichloroethene	156-60-5	61	1.0	U	
27	cis-1,2-Dichloroethene	156-59-2	61	1.0	U	
28	1,1-Dichloroethene	75-35-4	61	1.0	U	
29	1,2-Dichloropropane	78-87-5	61	1.0	U	
30	trans-1,3-Dichloropropene	10061-02-6	61	1.0	U	
31	cis-1,3-Dichloropropene	10061-01-5	61	1.0	U	
32	Diethyl ether	60-29-7	310	1.0	U	
33	Ethylbenzene	100-41-4	61	1.0	U	
34	Hexachloroethane	67-72-1	100	1.0	U	
35	2-Hexanone	591-78-6	310	1.0	U	

ANALYTICAL REPORT

CLIENT: INSIGHT ENVIRONMENTAL
Project/Site: 2811
Sample ID: HP-10-99 8-10'

Date Sampled:	04/13/99	**ENCOTEC Project ID:**	71251
Date Received:	04/13/99	**ENCOTEC SDG ID:**	IE-2811-99D1
Date Extracted:	N/A	**ENCOTEC QC Set ID:**	VOJD1501M
Analysis Date:	04/15/99	**ENCOTEC Submission ID:**	100016900
Second Analysis Date:	N/A	**ENCOTEC Sample ID:**	200124800
Method Reference:	5035/8260B	**Percent Total Solids:**	81.6
Matrix:	SOIL	**Calculation Basis:**	Dry Weight

	VOLATILE ORGANICS List	CAS #	Quant Limit (ug/Kg)	Dil	Conc (ug/Kg)	Flag
36	Isopropylbenzene	98-82-8	100	1.0	U	
37	Methyl iodide	74-88-4	61	1.0	U	
38	Methyl(tert)butyl ether	1634-04-4	310	1.0	U	
39	4-Methyl-2-pentanone (MIBK)	108-10-1	310	1.0	U	
40	Methylene chloride	75-09-2	310	1.0	U	
41	2-Methylnaphthalene	91-57-6	3100	1.0	U	
42	Naphthalene	91-20-3	310	1.0	U	
43	n-Propylbenzene	103-65-1	100	1.0	U	
44	Styrene	100-42-5	61	1.0	U	
45	1,1,2,2-Tetrachloroethane	79-34-5	100	1.0	U	
46	1,1,1,2-Tetrachloroethane	630-20-6	100	1.0	U	
47	Tetrachloroethene	127-18-4	61	1.0	U	
48	Toluene	108-88-3	61	1.0	U	
49	1,2,4-Trichlorobenzene	120-82-1	310	1.0	U	
50	1,1,2-Trichloroethane	79-00-5	61	1.0	U	
51	1,1,1-Trichloroethane	71-55-6	61	1.0	U	
52	Trichloroethene	79-01-6	61	1.0	U	
53	Trichlorofluoromethane	75-69-4	310	1.0	U	
54	1,2,3-Trichloropropane	96-18-4	100	1.0	U	
55	1,3,5-Trimethylbenzene	108-67-8	100	1.0	U	
56	1,2,4-Trimethylbenzene	95-63-6	61	1.0	U	
57	Vinyl acetate	108-05-4	100	1.0	U	
58	Vinyl chloride	75-01-4	100	1.0	U	
59	1,2-Xylene	95-47-6	61	1.0	U	
60	1,3-Xylene and 1,4-Xylene	108-38-3	120	1.0	U	

QUALITY ASSESSMENT REPORT - METHOD BLANK ANALYSIS

Extraction Date:	N/A	**ENCOTEC Project ID:**	71251
Analysis Date:	04/29/99	**ENCOTEC SDG ID:**	IE-2811-99D2
Second Analysis Date:	N/A	**ENCOTEC QC Set ID:**	VOJD2901W
Method Reference:	8260B	**ENCOTEC Submission ID:**	100017058
Matrix:	SPLP EXTRACT	**ENCOTEC Method Blank ID:**	200123154

	VOLATILE ORGANICS MDEQ Part 201 List	CAS #	Quant Limit (ug/L)	Dil	Conc (ug/L)	Flag
1	Benzene	71-43-2	5.0	1.0	U	

Safety-Kleen (ENCOTEC), Inc.
3985 Research Park Drive ■ Ann Arbor, MI 48108
Telephone: (734) 761-1389 - Telefax: (734) 761-1034

Report Date: 05/04/99

ANALYTICAL SERVICES AUTHORIZATION/CHAIN-OF-CUSTODY RECORD

ENCOTEC ROLLINS ENVIRONMENTAL, INC.
3985 RESEARCH PARK DRIVE
ANN ARBOR, MICHIGAN 48108
PHONE:(313) 761-1389 FAX: (313) 761-1034

No. 020109

CLIENT SHOULD COMPLETE THE THREE SECTIONS OUTLINED IN BLUE, REI WILL COMPLETE SECTIONS OUTLINED IN RED

STEP 1 Report Results To

Name: Lesa Bagby	Title: Staff Scientist
Company: INSIGHT Environmental	~~Department:~~ Services, INC.
Mailing Address: 2123 Pless Drive	
City, State, Zip Code: Brighton, MI 48114-9463	
Telephone: 810-225-6271	Telefax: 810-225-6279
Client Job ID: Project # 2811	Purchase Order No.:
Special Instructions	

For use by ENCOTEC Personnel Only

Project No.: 71251	Batch No.: 16900
Logged By: SB	Date: 4-14-99
Checked By: SD	Date: 4-13-99
Method of Shipment: Drop Off ☒	Overnight Carrier ☐
Other ☐ (Specify)	
Sample Condition Upon Receipt	Acceptable ☑ Other ☐
Explain Briefly If Other Is Checked:	

STEP 2 Sample Identification/Analytical Service Request

Sample Collected Represents:
CERCLA Investigation ☐
RCRA Investigation ☐
NPDES Compliance ☐
Driniking Water ☐
Waste Characterization ☐
U.S.T. Investigation ☐
Ambient Air ☐
Other (Specify) MDEQ Act 201 Investigation ☐

	Client Sample Identification	Date Sampled	Time	Preservation	Matrix/ Media	Number of Containers	VOC's 8260A *	Semi VOCs 8270	metal **	pesticides 8080	pcbs 8080	[illegible]	[illegible]	please preserve and hold	Comments
1	HP-7-99 2-4'	4/13	10:30		Solids	3	X	X	X	X	X				* methynol pres 5035
2	HP-7-99 6-8	4/13	10:45											X	arsenic 6010
3	HP-8-99 8-10'	4/13	11:26				X	X	X	X	X				barium "
4	HP-8-99 12-14'	4/13	11:30												cadmium "
5	HP-9-99 4-6	4/13	12:38											X	chromium "
6	HP-9-99 8-10	4/13	12:45				X	X	X	X	X				copper "
7	HP-10-99 8-10	4/13	1:38												lead "
8	HP-10-99 10-12	4/13	1:15				X	X	X	X	X				selenium "
9	[illegible]	4/13	2:00											X	silver "
10	[illegible]	4/13	2:45				X	X	X	X	X				strontium "
11	[illegible]	4/13	9:30												zinc "
12	[illegible]	4/13	[illegible]											X	manganese "
														X	mercury 7470
														X	

STEP 3 Chain-of-Custody

1. Relinquished By: Lesa A. Bagby — Date/Time: 4/13/99
2. Relinquished By: Todd A Ball — Date/Time: 4-13-99
3. Receipt By: Todd A Ball — Date/Time: 4/13/99 1609
4. Receipt By: [signature] — Date/Time: 4-13-99

Authorized By: _____ Date: _____
Client Must Sign This Request

Comments:

REI 40-002 7/96

DISTRIBUTION: WHITE - ENCOTEC PROJECT MANAGER BLUE-LABORATORY GOLD - CLIENT

ANALYTICAL SERVICES AUTHORIZATION/CHAIN-OF-CUSTODY RECORD

ENCOTEC ROLLINS ENVIRONMENTAL, INC.
3965 RESEARCH PARK DRIVE
ANN ARBOR, MICHIGAN 48108
PHONE: (313) 761-1389 FAX: (313) 761-1034

Page 2 of 2

No. 020109

CLIENT SHOULD COMPLETE THE THREE SECTIONS OUTLINED IN BLUE, REI WILL COMPLETE SECTIONS OUTLINED IN RED

STEP 1 Report Results To

Name: Lesa Bagon
Title: Staff Scientist
Company: Insight Environmental Services, Inc.
Mailing Address: 2123 Hess Drive
City, State, Zip Code: Brighton, MI 48114-9463
Telephone: 810-225-6271
Telefax: 810-225-6279
Client Job ID: Project # 2811
Purchase Order No.:
Special Instructions

For use by ENCOTEC Personnel Only
Project No.:
Logged By:
Checked By:
Batch No.:
Date:
Date:
Method of Shipment: Drop Off ☐ Overnight Carrier ☐ Other ☐ (Specify)
Sample Condition Upon Receipt: Acceptable ☐ Other ☐
Explain Briefly If Other Is Checked:

STEP 2 Sample Identification/Analytical Service Request

Sample Collected Represents:
CERCLA Investigation ☐
RCRA Investigation ☐
NPDES Compliance ☐
Drinking Water ☐
Waste Characterization ☐
U.S.T. Investigation ☐
Ambient Air ☐
Other (Specify) ☐ NREPA Pt. 201 Investigation

ANALYSIS REQUESTED

	Client Sample Identification		Date Sampled	Time	Preservation	Matrix/Media	Number of Containers	VOC's 8260*	Semi VOCs 8270	metal **	pesticides 8080	PCBs 8080	[struck]	[struck]	SPLP Benzene	please preserve and hold	Comments
1	HP7-99	2-4'	4/13	10:30	preserve per NREPA Part 201	Solids	3	X	X	X	X	X					* methanol pres 5035
2	HP7-99	6-8'	4/13	10:45													arsenic barium 6010
3	HP8-99	8-10'	4/13	11:24												X	cadmium chromium "
4	HP8-99	12-14'	4/13	11:30				X*	X	X	X	X	X*				copper lead "
5	HP9-99	4-6	4/13	12:38												X	selenium silver "
6	HP9-99	8-10	4/13	12:45				X*	X	X	X	X					strontium zinc "
7	HP10-99	8-10	4/13	1:38												X	manganese "
8	HP10-99	10-12	4/13	1:45				X	X	X	X	X					
9	[redacted]															X	mercury 7470
10	[redacted]																
11	[redacted]																
12	[redacted]						3	X	X							X	as marked

Chain-of-Custody

1. Relinquished By: Lesa A. Bagon Date/Time: 4/13/99
2. Relinquished By: Date/Time:
3. Receipt By: [signature] Date/Time: 4/13/99 1609
4. Receipt By: Date/Time:

Authorized By: ________ Date: ________
Client Must Sign This Request

Comments:

40-002 7/96

DISTRIBUTION: WHITE - ENCOTEC PROJECT MANAGER BLUE - LABORATORY GOLD - CLIENT

APPENDIX C

Soil Boring Logs

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-28
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: north side of service station Start Date: 12/13/99 End Date: 12/13/99
Boring Company:C.E.T. Foreman: Bob Bonsall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen =, Riser, Steel // Grout, Sand Pack, Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	0-2'	-	18"/18"	5	asphalt			0.2	
			2			moderate yellowish brown, moist fine SAND, little	6"			
			3			silt				
			3							
2	2	2-4'	2	24"/24"	6	saa			0.2	
			2							
			4							
			6							
4	3	4-6'	4	24"/24"	17	saa			1	
			6							
			11			saa, clayey SILT	5'			
			10							
6	4	6-8'	5	24"/24"	10	saa			2.9	
			8							
			2							
			11							
8	5	8-10'	4	24"/24"	14	olive grey, damp, CLAY, little silt	8'		2.6	
			5							
			9							
			10							
10	6	10-12'	3	24"/24"	15	olive gray, moist, silty SAND, petroleum odor	10'		870	*
			4							
			11							
			21							
12	7	12-14'	5	24"/24"	17	saa, moist, CLAY, little silt and sand, no odor	12'		10.5	
			7							
			10							
			9							
14	8	14-16'	2	24"/24"	7	saa			7.1	
			2							
			5							
			7							
16						EOB @ 16 fbg				
18										

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-29
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: northeast of service station Start Date: 12/13/99 End Date: 12/13/99
Boring Company:C.E.T. Foreman: Bob Bonsall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen = Grout Riser Sand Pack Steel // Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	0-2'	-	18"/18"	4	asphalt				
			2			moderate yellowish brown, damp fine SAND, little silt	6"		3.1	
			2							
			3							
2	2	2-4'	2	24"/24"	11	olive-gray, damp, CLAY, little silt	2'		3.6	
			5							
			6							
			8							
4	3	4-6'	3	24"/24"	11	saa			4.1	
			4							
			7							
			7			saa, some gravel at 5'8"-6'				
6	4	6-8'	2	24"/24"	12	saa, no gravel			4.8	
			5							
			7							
			8							
8	5	8-10'	2	24"/24"	12	saa, moist			8.6	*
			3							
			9							
			15			wet sand seam at 7'8"-8'				
10	6	10-12'	5	24"/24"	12	olive-gray, moist, SAND, little silt	10'		6	
			6							
			6			saa, CLAY	11'			
			10							
12	7	12-14'	3	24"/24"	15	saa, damp, little gravel			5.3	
			7							
			8							
			9							
14	8	14-16'	2	24"/24"	6	saa			3	
			2							
			4							
			6							
16						EOB @ 16 fbg				
18										

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-30
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: northeast of service station Start Date: 12/13/99 End Date: 12/13/99
Boring Company:C.E.T. Foreman: Bob Bonsall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen =, Riser, Steel // \ Grout, Sand Pack, Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	0-2'	-	18"/18"	7	asphalt				
			2			moderate yellowish brown, damp, silty SAND, little	6"		2	
			5			gravel				
			6							
2	2	2-4'	3	24"/24"	13	olive gray, damp, CLAY, little silt and gravel	2'		2.9	
			5							
			8							
			8							
4	3	4-6'	4	24"/24"	10	saa			2.9	
			4							
			6							
			7							
6	4	6-8'	2	24"/24"	6	saa			4.1	
			2							
			4							
			6							
8	5	8-10'	3	24"/24"	8	saa, moist			3.3	
			2							
			6							
			9			medium sand seam at 9'8"-10'				
10	6	10-12'	1	24"/24"	8	saa, wet CLAY	10'		4	
			4							
			4			medium sand seam at 11'-11'4"				
			8							
12	7	12-14'	2	24"/24"	6	olive gray, moist, CLAY, little silt	12'		4.4	*
			2							
			4							
			5							
14	8	14-16'	1	24"/24"	7	saa, damp			3.9	
			3							
			4							
			6							
16						EOB@16 fbg				

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-31
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: northeast of service station Start Date: 12/13/99 End Date: 12/13/99
Boring Company:C.E.T. Foreman: Bob Bosnall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen | = | \ | Grout Riser | | | Sand Pack Steel | // | ▓ | Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	0-2'	-	18"/18"	8	asphalt				
			3			moderate yellowish brown, damp, silty CLAY, little gravel	6"		2.5	
			5							
			6							
2	2	2-4'	3	24"/24"	10	saa, olive gray			5	*
			4							
			6							
			7							
4	3	4-6'	2	24"/24"	8	saa			4.4	
			4							
			4							
			5							
6	4	6-8'	1	24"/24"	6	saa			3.2	
			2							
			4							
			4							
8	5	8-10'	1	24"/24"	5	saa			1.5	
			2							
			3							
			5							
10	6	10-12'	1	24"/24"	6	pale brown, damp, silty CLAY, little sand and gravel	10'		1.9	
			2							
			4							
			4							
12	7	12-14'	2	24"/24"	14	olive gray, damp, silty CLAY, little gravel			3.1	
			4							
			10							
			8							
14	8	14-16'	4	24"/24"	16	saa			3	
			8							
			8							
			8							
16						EOB@ 16 fbg				

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-32
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: northeast of service station Start Date: 12/13/99 End Date: 12/13/99
Boring Company:C.E.T. Foreman: Bob Bosnall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen = Grout Riser Sand Pack Steel // Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
0	1	0-2'	0	18"/18"	6	asphalt			
			2			moderate yellowish brown, damp, silty SAND,	6"		2.5
			4			little clay and gravel			
			8						
2	2	2-4'	2	24"/24"	18	olive gray, damp, CLAY, little silt	2'		0.7
			9						
			9						
			9						
4	3	4-6'	2	24"/24"	8	saa			1.1
			3						
			5						
			5						
6	4	6-8'	4	24"/24"	9	saa			1.3
			4						
			5						
			6						
8	5	8-10'	2	24"/24"	6	saa			1.4
			2						
			4						
			6						
10	6	10-12'	2	24"/24"	11	saa, little gravel			1.5
			4						
			7						
			9						
12	7	12-14'	3	24"/24"	8	saa, wet			1.5
			4						
			4						
			5						
14	8	14-16'	2	24"/24"	7	saa, moist			1.7 *
			2						
			5						
			6						
16						EOB@16fbg			

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-33
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: north of service station, just E of W entrance gate Start Date: 12/13/99 End Date: 12/13/99
Boring Company:C.E.T. Foreman: Bob Bosnall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen = Riser Steel // \ Grout Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
0	1	0-2'	-	18"/18"	4	asphalt			
			1			moderate yellowish brown, damp, fine SAND	6'		0.7
			3						
			5						
2	2	2-4'	3	24"/24"	11	saa, moist			1
			4						
			7			saa, sandy CLAY	3'		
			10						
4	3	4-6'	8	24"/24"	20	saa			1.4
			10						
			10						
			10						
6	4	6-8'	7	24"/24"	19	Olive-gray, damp, CLAY	6'		2
			9						
			10						
			11						
8	5	8-10'	8	24"/24"	7	saa			2.1
			5						
			2						
			10						
10	6	10-12'	7	24"/24"	12	saa			3
			7						
			5						
			5						
12	7	12-14'	5	24"/24"	17	saa			2
			7						
			10						
			11						
14	8	14-16'	2	24"/24"	9	saa, little gravel			3
			4						
			5						
			5						
16						EOB@16 fbg			

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-34
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: northwest corner of parcel, south of Quickstop Start Date: 12/13/99 End Date: 12/13/99
Boring Company:C.E.T. Foreman: Bob Bosnall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen =, Riser, Steel //, Grout, Sand Pack, Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	0-2'	-	18"/18"	4	asphalt				
			1			moderate yellowish brown, damp SAND, little	6"		4	
			3			silt				
			5							
2	2	2-4'	2	24"/24"	12	saa, moist				
			5							
			7			saa, little silty clay	3'		3.5	
			4							
4	3	4-6'	1	24"/24"	9	saa, damp sandy CLAY	4'		6.1	*
			4							
			5							
			10							
6	4	6-8'	3	24"/24"	20	olive gray, damp CLAY, little gravel			3	
			9							
			11							
			10							
8	5	8-10'	3	24"/24"	13	saa			3.5	
			5							
			8							
			5							
10	6	10-12'	6	24"/24"	21	saa, wet silty CLAY	10'		3	
			10							
			11							
			9							
12	7	12-14'	3	24"/24"	15	saa, moist			2	
			5							
			10							
			12							
14	8	14-16'	2	24"/24"	13	saa, damp CLAY, little gravel			1.9	
			5							
			8							
			9							
16						EOB@16fbg				

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-35
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: East of Quickstop, SW of NW entrance gate Start Date: 12/13/99 End Date: 12/13/99
Boring Company:C.E.T. Foreman: Bob Bosnall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen =, Riser, Steel //, \ Grout, Sand Pack, Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
0	1	0-2'	-	18"/18"	4	asphalt			
			2			moderate yellowish brown, damp, silty SAND, little gravel	6"		2
			2						
			4						
2	2	2-4'	2	24"/24"	6	Olive gray, damp CLAY, little silt	2'		2
			2						
			4						
			4						
4	3	4-6'	4	24"/24"	9	saa			2.3
			4						
			5						
			5						
6	4	6-8'	2	24"/24"	9	saa			2.5
			3						
			6						
			8						
8	5	8-10'	4	24"/24"	10	saa			2.7
			4						
			6						
			8						
10	6	10-12'	3	24"/24"	6	saa			2.1
			2						
			4						
			4						
12	7	12-14'	4	24"/24"	18	saa			2.2
			6						
			12						
			12						
14	8	14-16'	2	24"/24"	15	saa			2.1
			6						
			9						
			10						
16						EOB@16fbg			

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-36
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: SW corner of former Taystee Bread Building Start Date: 12/14/99 End Date: 12/14/99
Boring Company:C.E.T. Foreman: Bob Bosnall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen = Riser Steel // \ Grout Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	0-2'	3	24"/24"	7	dark yellowish orange, damp silty SAND, little gravel			1.3	
			3							
			4			saa, damp silty CLAY	1'			
			4							
2	2	2-4'	5	24"/24"	16	saa			1.7	
			7							
			9			saa, damp silty SAND	3'			
			7							
4	3	4-6'	5	24"/24"	12	saa			1.7	
			5							
			7			olive gray, damp silty CLAY, little gravel	5'			
			7							
6	4	6-8'	3	24"/24"	10	saa			1.9	
			5							
			5							
			6							
8	5	8-10'	5	24"/24"	14	saa			1.9	
			6							
			8							
			5							
10	6	10-12'	4	24"/24"	12	saa, damp CLAY	10'		2.5	*
			5							
			7							
			9							
12	7	12-14'	3	24"/24"	12	saa, little gravel			1.5	
			4							
			8							
			5							
14	8	14-16'	3	24"/24"	9	saa			1.1	
			6							
			3							
			7							
16						EOB@16fbg				

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-37
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: southern edge of former Taystee Bread Building Start Date: 12/14/99 End Date: 12/14/99
Boring Company:C.E.T. Foreman: Bob Bosnall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen [=] Grout [\] Riser [ ] Sand Pack [ ] Steel [//] Bentonite [ ]

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	0-2'	4	24"/24"	8	dark yellowish orange, damp silty SAND, little gravel			1.5	
			4							
			4							
			10							
2	2	2-4'	4	24"/24"	12	saa, damp silty CLAY	2'		2.2	
			8							
			4			grayish olive, damp sandy CLAY, little gravel, glass pieces	3'			
			10							
4	3	4-6'	3	24"/24"	11	moderate yellowish brown, damp silty SAND	4'		2.6	
			6							
			5							
			5							
6	4	6-8'	4	24"/24"	12	saa, damp fine SAND, little silt	6'		2.7	
			7							
			5							
			5							
8	5	8-10'	2	24"/24"	12	saa			3.3	*
			6							
			6							
			7							
10	6	10-12'	5	24"/24"	12	saa			3.2	
			6							
			6							
			7							
12	7	12-14'	6	24"/24"	16	saa, moist			3.1	
			7							
			9							
			13							
14	8	14-16'	6	24"/24"	17	saa, wet			2.1	
			7							
			10			olive gray, damp CLAY, little gravel	15'			
			12							
16						EOB@16fbg				

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-38
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: southern edge of former Taystee Bread Building Start Date: 12/15/99 End Date: 12/15/99
Boring Company:C.E.T. Foreman: Bob Bosnall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen = \ Grout Riser Sand Pack Steel // Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	0-2'	3	24"/24"	9	moderate yellowish brown, damp silty SAND				
			5							
			4			grayish olive, damp sandy SILT	1'		2.1	
			4							
2	2	2-4'	4	24"/24"	7	saa			2.2	
			3							
			4			olive gray, damp clayey SILT	3'			
			5							
4	3	4-6'	3	24"/24"	10	saa			2.9	
			4							
			6							
			6							
6	4	6-8'	4	24"/24"	11	moderate yellowish brown, damp fine SAND	6'		3	
			4							
			7							
			8							
8	5	8-10'	7	24"/24"	18	saa			3.4	
			9							
			9							
			10							
10	6	10-12'	4	24"/24"	13	saa			3.6	
			7							
			6							
			6							
12	7	12-14'	6	24"/24"	13	saa, olive gray			3.9	*
			6							
			7							
			7							
14	8	14-16'	6	24"/24"	19	dark yellowish orange, damp silty CLAY	14'		2.1	
			8							
			11			olive gray, moist silty SAND, little gravel	15'			
			13							
16						EOB@16fbg				

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-39
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: southeast corner of former Taystee Bread building Start Date: 12/15/99 End Date: 12/15/99
Boring Company:C.E.T. Foreman: Bob Bosnall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen = Riser Steel //

\ Grout
Sand Pack
Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	0-2'	2	24"/24"	13	dark yellowish orange, moist silty SAND, little gravel			1.9	
			7							
			8							
			10							
2	2	2-4'	8	24"/24"	16	olive gray, damp clayey SILT, little sand	2'			
			8							
			8			dark yellowish brown, damp silty SAND, some gravel, few glass and brick pieces	3'		1.9	
			7							
4	3	4-6'	7	24"/24"	7	saa, few plastic pieces				
			5							
			2			moderate yellowish brown, damp fine SAND (no fill observed)	5'		1.6	
			2							
6	4	6-8'	3	24"/24"	11	saa				
			5							
			6							
			5							
8	5	8-10'	3	24"/24"	9	saa, damp clayey SAND			2.2	*
			5							
			4							
			4							
10	6	10-12'	5	24"/24"	11	saa, damp fine SAND			2.1	
			6							
			5							
			9							
12	7	12-14'	3	24"/24"	8	saa			2	
			4							
			4							
			6							
14	8	14-16'	5	24"/24"	11	olive gray, damp-moist CLAY, little sand	14'		1.7	
			5							
			6							
			7							
16						EOB@16fbg				

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-40
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: East of former Taystee Bread Building (near SE corner) Start Date: 12/15/99 End Date: 12/15/99
Boring Company:C.E.T. Foreman: Bob Bosnall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen =, Riser, Steel //, Grout \, Sand Pack, Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	0-2'	1	24"/24"	4	dark yellowish orange, damp silty SAND, little sand				
			1						0	
			3							
			4							
2	2	2-4'	4	24"/24"	9	saa, some fabric and plastic pieces	2'		0.9	
			4							
			5			moderate yellowish brown, damp silty CLAY, little sand	3'			
			6							
4	3	4-6'	5	24"/24"	5	saa			1	
			3							
			2							
			2							
6	4	6-8'	4	24"/24"	5	oilve gray, damp silty SAND	6'		2	
			3							
			2							
			2							
8	5	8-10'	1	24"/24"	3	saa			2.1	
			2							
			1							
			1							
10	6	10-12'	3	24"/24"	5	saa			2.2	*
			3							
			2							
			2							
12	7	12-14'	3	24"/24"	14	saa, damp fine SAND			1.9	
			6							
			8							
			6							
14	8	14-16'	3	24"/24"	14	saa, moist-wet			1.4	
			6							
			8							
			8							
16						EOB@16fbg				

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-41
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: Eastern edge of former Taystee Bread Building Start Date: 12/15/99 End Date: 12/15/99
Boring Company:C.E.T. Foreman: Bob Bosnall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen [=] Grout Riser [ ] Sand Pack Steel [//] Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	0-2'	1	24"/12"		dark yellowish orange, moist silty SAND, little gravel			1	
			2							
			3							
			25			augered through concrete slab	1.5'			
2	2	2-4'	1	24"/24"		dark yellowish orange, damp silty SAND, little gravel	2'		0.5	
			3							
			4							
			6							
4	3	4-6'	1	24"/24"		moderate yellowish brown, damp, fine SAND			0.5	
			4							
			7							
			7							
6	4	6-8'	7	24"/24"		saa			1	
			4							
			4							
			7							
8	5	8-10'	2	24"/24"		saa, damp CLAY, little silt and sand	8'		1.7	*
			3							
			8							
			9							
10	6	10-12'	5	24"/24"		moderate yellowish brown, damp fine SAND	10'		1.1	
			6							
			9							
			12							
12	7	12-14'	3	24"/24"		saa			1	
			4							
			7							
			9							
14	8	14-16'	4	24"/24"		saa, moist-wet			1	
			1							
			1			saa, sandy CLAY	15'			
			4							
16						EOB@16fbg				

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-42
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: Center of former Taystee Bread Building Start Date: 12/16/99 End Date: 12/16/99
Boring Company:C.E.T. Foreman: Bob Bosnall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen [=] Grout Riser [ ] Sand Pack Steel [//] Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	0-2'	3	24"/24"	6	dark yellowish orange, moist silty SAND				
			3							
			3			moderate yellowish brown, moist fine SAND	1'		0.5	
			3							
2	2	2-4'	6	24"/24"	11	saa, damp				
			9							
			2						1.7	
			9			saa, CLAY, little sand	3.5'			
4	3	4-6'	3	24"/24"	8	olive gray, damp, silty CLAY	4'		1	
			4							
			4							
			5							
6	4	6-8'	3	24"/24"	10	saa			1.1	
			5							
			5							
			7							
8	5	8-10'	3	24"/24"	14	saa			1.8	*
			5							
			9							
			10							
10	6	10-12'	3	24"/24"	15	saa			1	
			5							
			10							
			10							
12	7	12-14'	3	24"/24"	12	olive gray, wet silty SAND	12'		-	
			6			saa, moist	12.5'			
			6							
			7			saa, damp CLAY	13.5'			
14	8	14-16'	4	24"/24"	15	saa			-	
			7							
			8							
			10							
16						EOB@16fbg				

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING OBG SB-43
Client: GM Proj. Loc: Burton Parcel, Burton, MI File No.:5858.035	Drill Method: 4.25 inch HSA Sampler: 2-inch split spoon Hammer: 140 lbs Fall: 30 inches	Page 1 of 1 Location: southwest-center of former Taystee Bread Building Start Date: 12/15/99 End Date: 12/15/99
Boring Company:C.E.T. Foreman: Bob Bosnall Drill Rig:CME 750 OBG Geologist: Mike Robison		Screen =, Riser, Steel //, \ Grout, Sand Pack, Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	0-2'	3	24"/24"	6	dark yelowish orange, moist silty SAND, little gravel			1	
			3							
			3							
			3							
2	2	2-4'	5	24"/24"	16	saa, damp			1	
			7							
			9			moderate yellowish brown, damp CLAY, little silt and gravel	3'			
			7							
4	3	4-6'	5	24"/24"	17	saa			1.4	
			7							
			10							
			9							
6	4	6-8'	6	24"/24"	16	saa, olive gray			1.4	*
			7							
			9							
			9							
8	5	8-10'	5	24"/24"	15	saa			1.1	
			7							
			8							
			10							
10	6	10-12'	5	24"/24"	15	olive gray, wet silty SAND	10'		1	
			6							
			9							
			11							
12	7	12-14'	4	24"/24"	16	saa			-	
			7							
			9			olive gray, damp CLAY	13'			
			12							
14	8	14-16'	5	24"/24"	17	saa			1	
			8							
			9							
			11							
16						EOB@16fbg				

Notes:
"*" dentotes top of discrete sampled interval (soil).
saa denotes same as above.

APPENDIX E

Soil Analytical Data Sheets

D Size Drawing not included

Topographical Survey

Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
January 04, 2000

FECL #: 0043001
Tag: SB-28 10-12'
Date/Time Collected: 12/13/99 09:15
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	86.8	%	1	160.3	JAS	12/15/99
Metals						
Lead	5.1	mg/kg	1.0	6020	EMI	12/21/99
Organics						
BTEX 5035						
Benzene	0.40	mg/kg	0.05	5035/8260	SMP	12/26/99
Toluene	0.33	mg/kg	0.05	5035/8260	SMP	12/26/99
Ethylbenzene	1.25	mg/kg	0.05	5035/8260	SMP	12/26/99
p,m-Xylene	2.84	mg/kg	0.05	5035/8260	SMP	12/26/99
o-Xylene	0.40	mg/kg	0.05	5035/8260	SMP	12/26/99
GC/MS for Volatile Organics 5035						
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/26/99

FECL #: 0043002
Tag: SB-29 8-10'
Date/Time Collected: 12/13/99 10:15
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	79.8	%	1	160.3	JAS	12/15/99
Metals						
Lead	8.1	mg/kg	1.0	6020	EMI	12/21/99

Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
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FECL #: 0043002 (Continued)
Tag: SB-29 8-10'
Date/Time Collected: 12/13/99 10:15
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics						
BTEX 5035						
Benzene	0.12	mg/kg	0.05	5035/8260	SMP	12/26/99
Toluene	0.07	mg/kg	0.05	5035/8260	SMP	12/26/9
Ethylbenzene	0.24	mg/kg	0.05	5035/8260	SMP	12/26/9
p,m-Xylene	0.29	mg/kg	0.05	5035/8260	SMP	12/26/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/9
GC/MS for Volatile Organics 5035						
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/26/9

FECL #: 0043003
Tag: SB-30 12-14'
Date/Time Collected: 12/13/99 11:25
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	85.5	%	1	160.3	JAS	12/15/99
Metals						
Lead	5.6	mg/kg	1.0	6020	EMI	12/21/99
Organics						
BTEX 5035						
Benzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
Toluene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
Ethylbenzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
GC/MS for Volatile Organics 5035						
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/26/99

Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
January 04, 2000

FECL #: 0043004
Tag: SB-31 2-4'
Date/Time Collected: 12/13/99 12:15
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	87.4	%	1	160.3	JAS	12/15/99
Metals						
Lead	6.8	mg/kg	1.0	6020	EMI	12/21/99
Organics						
BTEX 5035						
Benzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
Toluene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
Ethylbenzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
GC/MS for Volatile Organics 5035						
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/26/99

FECL #: 0043005
Tag: SB-32 14-16'
Date/Time Collected: 12/13/99 14:00
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	89.5	%	1	160.3	JAS	12/15/99
Metals						
Lead	4.6	mg/kg	1.0	6020	EMI	12/21/99

Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
January 04, 2000

FECL #: 0043005 (Continued)
Tag: SB-32 14-16'
Date/Time Collected: 12/13/99 14:00
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics						
BTEX 5035						
Benzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
Toluene	0.16	mg/kg	0.05	5035/8260	SMP	12/26/9
Ethylbenzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/9
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/9
GC/MS for Volatile Organics 5035						
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/26/9

FECL #: 0043006
Tag: SB-33 10-12'
Date/Time Collected: 12/13/99 14:45
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	86.2	%	1	160.3	JAS	12/15/99
Metals						
Lead	7.4	mg/kg	1.0	6020	EMI	12/21/99
Organics						
BTEX 5035						
Benzene	0.54	mg/kg	0.05	5035/8260	SMP	12/26/99
Toluene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
Ethylbenzene	0.06	mg/kg	0.05	5035/8260	SMP	12/26/99
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/26/99
GC/MS for Volatile Organics 5035						
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/26/99

Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
January 04, 2000

FECL #: 0043007
Tag: SB-34 4-6'
Date/Time Collected: 12/13/99 15:30
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	90.5	%	1	160.3	JAS	12/15/99
Metals						
Lead	3.6	mg/kg	1.0	6020	EMI	12/21/99
Organics						
BTEX 5035						
Benzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
Toluene	0.10	mg/kg	0.05	5035/8260	SMP	12/27/99
Ethylbenzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
GC/MS for Volatile Organics 5035						
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/27/99

Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
January 18, 2000

FECL #: 0046201
Tag: SB-35 8'-10'
Date/Time Collected: 12/13/99 16:20
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	86.1	%	1	160.3	JAS	12/16/99
Metals						
Lead	7.2	mg/kg	1.0	6020	EMI	12/21/99
Organics						
GC/MS for Volatile Organics 5035						
Benzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
Ethylbenzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/27/99
Toluene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99

FECL #: 0046202
Tag: SB-36 10'-12'
Date/Time Collected: 12/14/99 09:00
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	85.2	%	1	160.3	JAS	12/16/99
Metals						
Lead	6.5	mg/kg	1.0	6020	EMI	12/21/99
Organics						
GC/MS for Volatile Organics 5035						
Benzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
Ethylbenzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/27/99
Toluene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99

Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
January 18, 2000

FECL #: 0046203
Tag: SB-37 8'-10'
Date/Time Collected: 12/14/99 10:00
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	87.2	%	1	160.3	JAS	12/16/99
Metals						
Lead	4.4	mg/kg	1.0	6020	EMI	12/21/99
Organics						
GC/MS for Volatile Organics 5035						
Benzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
Ethylbenzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/27/99
Toluene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/27/99

REVISED REPORT
Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
January 04, 2000

FECL #: 0047301
Tag: SB-38 12-14'
Date/Time Collected: 12/15/99 09:15
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	94.9	%	1	160.3	JAS	12/16/99
Metals						
Lead	2.1	mg/kg	1.0	6020	EMI	12/21/99
Organics						
GC/MS for Volatile Organics 5035						
Benzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
Ethylbenzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/28/99
Toluene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99

FECL #: 0047302
Tag: SB-39 8-10'
Date/Time Collected: 12/15/99 10:00
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	89.5	%	1	160.3	JAS	12/16/99
Metals						
Lead	4.4	mg/kg	1.0	6020	EMI	12/21/99
Organics						
GC/MS for Volatile Organics 5035						
Benzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
Ethylbenzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/28/99
Toluene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99

REVISED REPORT
Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
January 04, 2000

FECL #: 0047303
Tag: SB-40 10-12'
Date/Time Collected: 12/15/99 11:00
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	91.5	%	1	160.3	JAS	12/16/99
Metals						
Lead	5.9	mg/kg	1.0	6020	EMI	12/21/99
Organics						
GC/MS for Volatile Organics 5035						
Benzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
Ethylbenzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/28/99
Toluene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99

FECL #: 0047304
Tag: SB-41 8-10'
Date/Time Collected: 12/15/99 11:50
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	83.9	%	1	160.3	JAS	12/16/99
Metals						
Lead	5.3	mg/kg	1.0	6020	EMI	12/21/99
Organics						
GC/MS for Volatile Organics 5035						
Benzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
Ethylbenzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/28/99
Toluene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99

REVISED REPORT
Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
January 04, 2000

FECL #: 0047305
Tag: SB-42 8-10'
Date/Time Collected: 12/15/99 12:30
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	88.6	%	1	160.3	JAS	12/16/99
Metals						
Lead	6.4	mg/kg	1.0	6020	EMI	12/21/99
Organics						
GC/MS for Volatile Organics 5035						
Benzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
Ethylbenzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/28/99
Toluene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99

FECL #: 0047306
Tag: SB-43 6-8'
Date/Time Collected: 12/15/99 13:15
Matrix: Soil

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Inorganics						
Total Solids	87.9	%	1	160.3	JAS	12/16/99
Metals						
Lead	9.2	mg/kg	1.0	6020	EMI	12/21/99
Organics						
GC/MS for Volatile Organics 5035						
Benzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
Ethylbenzene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
Methylene chloride	Not detected	mg/kg	0.25	5035/8260	SMP	12/28/99
Toluene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
o-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99
p,m-Xylene	Not detected	mg/kg	0.05	5035/8260	SMP	12/28/99

O'BRIEN & GERE
ENGINEERS, INC.

Job No. 5858035
Sheet ___ of ___

Office: NOVI
Address: 39830 GRAND RIVER AVE.
Phone: 248 426 8970

CHAIN OF CUSTODY

CLIENT: GM
LOCATION: BURTON PARCEL

COLLECTED BY: MIKE ROBISON
(Signature)

Item	430 SAMPLE DESCRIPTION	Depth	Date	Time	Pres.[1] (Y, N)	Matrix[2]	Type[3]	No. of Containers	ANALYSIS REQUESTED
1	01 0836 SB-28	10'-12'	12/13/94	0915	N	SOIL	G	2	BTEX, METHYLENE CHLORIDE + LEAD
2	02 SB-29	8'-10'		1015	↓	↓	↓	↓	↓ ↓
3	03 SB-30	12'-14'		1125	↓	↓	↓	↓	↓ ↓
4	* SB-30 H2O				↓	↓	G	3	BTEX, METHYLENE CHLORIDE, DISSOLVED LEAD, 1,2 DICHLOROETHANE, TOTAL LEAD
5	04 SB-31	2'-4'		1215	N	SOIL	G	2	BTEX METHYLENE CHLORIDE + LEAD
6	05 SB-32	14'-16'		1400	↓	↓	↓	↓	↓ ↓
7	06 SB-33	10'-12'		1445	↓	↓	↓	↓	↓ ↓
8	* SB-33 H2O				↓	↓	G	3	BTEX 1,2 DICHLOROETHANE/E DO, METHYLENE CHLORIDE
9	07 SB-34	4'-6'		1530	N	SOIL	G	2	BTEX, METHYLENE CHLORIDE + LEAD
10	* SB-34 H2O				↓	↓	G	3	BTEX, 1,2 DCA, TOTAL METHYLENE

* H2O SAMPLES FOR METALS NOT PRESERVED. LAB MUST FILTER.
Trip Blank

[1] Pres = preservation (HCl, HNO_3, etc.)
[2] Matrix = water, wastewater, air, sludge, sediment, etc.
[3] Type = grab, composite

4°C

Relinquished by:	Date	Time	Received by:	Date	Time
of: OBRIEN & GERE	12/13/94		of: FECL	12/13/94	15:53
Relinquished by: FECL	12/13/94	1734	Received by:	12/13/94	1734
of:			of:		
Relinquished by:			Received by:		
of:			of:		
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by:			Courier Name:		
of:			*Attach delivery/courier receipt to Chain of Custody		
Relinquished by:			Received by:		
of:			of:		

O'BRIEN & GERE
ENGINEERS, INC.

Job No. 5858035

Sheet 1 of 1

Office: NOVI
Address: 39830 GRAND RIVER
Phone: 248 426 8970

CHAIN OF CUSTODY

CLIENT: GM
LOCATION: BURTON PARCEL

COLLECTED BY: MIKE ROBISON
(Signature)

Item	SAMPLE DESCRIPTION	Depth	Date	Time	Pres[1] (Y, N)	Matrix[2]	Type[3]	No. of Containers	ANALYSIS REQUESTED
1	01 SB-35	8'-10'	12/1/99	1620	N	SOIL	G	2	BTEX, META CHLORIDE & LEAD
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] DISSOLVED TETRACHLOROETHENE: PB, AS, EN
3	02 SB-36	10'-12'	"	0900	N	SOIL	G	2	BTEX, META. CHLORIDE, & LEAD
4	03 SB-37	8'-10'	↓	1000	N	SOIL	G	2	BTEX, META. CHLORIDE & LEAD
5									
6									
7									
8									
9	05								
10	TRIP BLANK				HCL	DA/QC		1	BTEX, 1,2,DCA, TCE & META. CHLORIDE

[1] Pres = preservation (HCl, HNO_3, etc.)
[2] Matrix = water, wastewater, air, sludge, sediment, etc.
[3] Type = grab, composite

	Date	Time		Date	Time
Relinquished by: [signature] of: OBG	12/1/99	1500	Received by: [signature] of: FECL.	12/2/99	11:50a
Relinquished by: [signature] of: FECL	12/5/99	2:45	Received by: [signature] of: FECL	12/5/99	1445
Relinquished by: of:			Received by: of:		
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: of:			Courier Name: *Attach delivery/courier receipt to Chain of Custody		
Relinquished by: of:			Received by: of:		

djb/wpC

December 13, 1994

O'BRIEN & GERE
ENGINEERS, INC.

Job No. 5858035

Sheet 1 of 1

Office: NOVI
Address: 39830 GRAND RIVER AVE.
Phone: 248 426 8970

CHAIN OF CUSTODY

* LAB MUST FILTER METALS H2O SAMPLES

CLIENT: GM
LOCATION: BURTON PARCEL

COLLECTED BY: MIKE ROBISON
(Signature)

Item	SAMPLE DESCRIPTION	Depth	Date	Time	Pres[1] (Y, N)	Matrix[2]	Type[3]	No. of Containers	ANALYSIS REQUESTED
1	01 SB-38	2'-4'	12/8	0915	N	SOIL	G	2	BTEX, METH CHLORIDE & LEAD
2	02 SB-39	8'-10'		1000	N	SOIL	G	2	
3	H2O SB-39					H2O	G	2	BTEX, 1,2 DCA, PCE, DISSOLVED Pb, Fe, MN
4	03 SB-40	10'-12'		1120	N	SOIL	G	2	BTEX, METH-CHLORIDE, LEAD
5	04 SB-41	8'-10'		1150					
6	05 SB-42	8'-10'		1230					
7	H2O SB-42			1250		H2O		2 VOAs	BTEX, 1,2 DCA, PCE, DISSOLVED Pb, Fe, MN
8	06 SB-43	6'-8'		1315	N	SOIL	G	2	BTEX, METH CHLORIDE & LEAD
9	H2O SB-43			1340		H2O	G	2	BTEX, 1,2 DCA, PCE, DISSOLVED Pb, Fe, MN
10	TRIP BLANK				HCL	VOA		1	BTEX, 1,2 DCA, PCE & METH CHLORIDE

[1] Pres = preservation (HCl, HNO_3, etc.)
[2] Matrix = water, wastewater, air, sludge, sediment, etc.
[3] Type = grab, composite

Relinquished by: [signature] of: OBG	Date: 12/15/94	Time: 1700	Received by: [signature] of: FECL	Date: 12/16/94	Time: 12:45
Relinquished by: [signature] of: FECL	Date: 12/15/94	Time: 2:00	Received by: [signature] of: FECL	Date: 12/15/94	Time: 2:00
Relinquished by: of:	Date:	Time:	Received by: of:	Date:	Time:
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: of:	Date:	Time:	Courier Name: *Attach delivery/courier receipt to Chain of Custody	Date:	Time:
Relinquished by: of:	Date:	Time:	Received by: of:	Date:	Time:

djb/wpC

December 13, 1994

APPENDIX F

Ground Water Analytical Data Sheets

FECL #: 0043008
Tag: SB-30
Date/Time Collected: 12/13/99 12:00
Matrix: Groundwater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Metals						
Arsenic, Dissolved	Not detected	mg/L	0.001	200.8	EMI	12/16/99
Lead, Dissolved	Not detected	mg/L	0.003	200.8	EMI	12/16/99
Zinc, Dissolved	0.02	mg/L	0.01	200.8	EMI	12/16/99
Organics						
BTEX, GC/MS						
Benzene	Not detected	mg/L	0.001	8260	SMP	12/27/99
Toluene	Not detected	mg/L	0.001	8260	SMP	12/27/99
Ethylbenzene	Not detected	mg/L	0.001	8260	SMP	12/27/99
p,m-Xylene	Not detected	mg/L	0.001	8260	SMP	12/27/99
o-Xylene	Not detected	mg/L	0.001	8260	SMP	12/27/99

Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
January 04, 2000

FECL #: 0043008 (Continued)
Tag: SB-30
Date/Time Collected: 12/13/99 12:00
Matrix: Groundwater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics (Continued)						
Volatile Organics						
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	SMP	12/27/99
Tetrachloroethene	Not detected	mg/L	0.001	8260	SMP	12/27/99

FECL #: 0043009
Tag: SB-32
Date/Time Collected: 12/13/99 15:00
Matrix: Groundwater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Metals						
Arsenic, Dissolved	0.001	mg/L	0.001	200.8	EMI	12/16/99
Lead, Dissolved	Not detected	mg/L	0.003	200.8	EMI	12/16/99
Zinc, Dissolved	Not detected	mg/L	0.01	200.8	EMI	12/16/99
Organics						
BTEX, GC/MS						
Benzene	Not detected	mg/L	0.001	8260	SMP	12/27/99
Toluene	Not detected	mg/L	0.001	8260	SMP	12/27/99
Ethylbenzene	Not detected	mg/L	0.001	8260	SMP	12/27/99
p,m-Xylene	Not detected	mg/L	0.001	8260	SMP	12/27/99
o-Xylene	Not detected	mg/L	0.001	8260	SMP	12/27/99
Volatile Organics						
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	SMP	12/27/99
Tetrachloroethene	Not detected	mg/L	0.001	8260	SMP	12/27/99

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O'Brien & Gere Engineers, Inc.
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FECL #: 0043010
Tag: SB-33
Date/Time Collected: 12/13/99 16:00
Matrix: Groundwater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Metals						
Arsenic, Dissolved	Not detected	mg/L	0.001	200.8	EMI	12/16/99
Lead, Dissolved	Not detected	mg/L	0.003	200.8	EMI	12/16/99
Zinc, Dissolved	Not detected	mg/L	0.01	200.8	EMI	12/16/99
Organics						
BTEX, GC/MS						
Benzene	0.004	mg/L	0.001	8260	SMP	12/27/99
Toluene	0.001	mg/L	0.001	8260	SMP	12/27/99
Ethylbenzene	0.009	mg/L	0.001	8260	SMP	12/27/99
p,m-Xylene	0.003	mg/L	0.001	8260	SMP	12/27/99
o-Xylene	Not detected	mg/L	0.001	8260	SMP	12/27/99
Volatile Organics						
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	SMP	12/27/99
Tetrachloroethene	Not detected	mg/L	0.001	8260	SMP	12/27/99

FECL #: 0043011
Tag: Trip Blank
Date/Time Collected: 12/13/99
Matrix: Liquid

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics						
BTEX, GC/MS						
Benzene	Not detected	mg/L	0.001	8260	SMP	12/27/99
Toluene	Not detected	mg/L	0.001	8260	SMP	12/27/99
Ethylbenzene	Not detected	mg/L	0.001	8260	SMP	12/27/99
p,m-Xylene	Not detected	mg/L	0.001	8260	SMP	12/27/99
o-Xylene	Not detected	mg/L	0.001	8260	SMP	12/27/99
Volatile Organics						
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	SMP	12/27/99
Tetrachloroethene	Not detected	mg/L	0.001	8260	SMP	12/27/99

REVISED REPORT
Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
January 04, 2000

FECL #: 0047307
Tag: SB-28
Date/Time Collected: 12/15/99 10:15
Matrix: Groundwater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Metals						
Arsenic, Dissolved	Not detected	mg/L	0.001	200.8	EMI	12/22/99
Lead, Dissolved	0.010	mg/L	0.003	200.8	EMI	12/22/99
Zinc, Dissolved	Not detected	mg/L	0.01	200.8	EMI	12/22/99
Organics						
Volatile Organics						
Benzene	1.4	mg/L	*0.2	8260	SMP	12/28/99
1,2-Dichloroethane	Not detected	mg/L	*0.2	8260	SMP	12/28/99
Ethylbenzene	1.3	mg/L	*0.2	8260	SMP	12/28/99
Toluene	Not detected	mg/L	*0.2	8260	SMP	12/28/99
Trichloroethene	Not detected	mg/L	*0.2	8260	SMP	12/28/99
o-Xylene	1.1	mg/L	*0.2	8260	SMP	12/28/99
p,m-Xylene	5.2	mg/L	*0.2	8260	SMP	12/28/99
Tetrachloroethylene	Not detected	mg/L	*0.2	8260	SMP	12/28/99

FECL #: 0047308
Tag: SB-42
Date/Time Collected: 12/15/99 12:50
Matrix: Groundwater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Metals						
Arsenic, Dissolved	Not detected	mg/L	0.001	200.8	EMI	12/22/99
Lead, Dissolved	Not detected	mg/L	0.003	200.8	EMI	12/22/99
Zinc, Dissolved	Not detected	mg/L	0.01	200.8	EMI	12/22/99
Organics						
Volatile Organics						
Benzene	Not detected	mg/L	0.001	8260	SMP	12/28/99
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	SMP	12/28/99
Ethylbenzene	Not detected	mg/L	0.001	8260	SMP	12/28/99
Toluene	Not detected	mg/L	0.001	8260	SMP	12/28/99
Trichloroethene	Not detected	mg/L	0.001	8260	SMP	12/28/99
o-Xylene	Not detected	mg/L	0.001	8260	SMP	12/28/99

* Higher detection limits due to matrix interference and/or high target concentrations.

REVISED REPORT
Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
January 04, 2000

FECL #: 0047308 (Continued)
Tag: SB-42
Date/Time Collected: 12/15/99 12:50
Matrix: Groundwater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics (Continued)						
Volatile Organics (Continued)						
p,m-Xylene	Not detected	mg/L	0.001	8260	SMP	12/28/99
Tetrachloroethylene	Not detected	mg/L	0.001	8260	SMP	12/28/99

FECL #: 0047309
Tag: SB-43
Date/Time Collected: 12/15/99 13:40
Matrix: Groundwater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Metals						
Arsenic, Dissolved	Not detected	mg/L	0.001	200.8	EMI	12/22/99
Lead, Dissolved	Not detected	mg/L	0.003	200.8	EMI	12/22/99
Zinc, Dissolved	Not detected	mg/L	0.01	200.8	EMI	12/22/99
Organics						
Volatile Organics						
Benzene	Not detected	mg/L	0.001	8260	SMP	12/28/99
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	SMP	12/28/99
Ethylbenzene	Not detected	mg/L	0.001	8260	SMP	12/28/99
Toluene	Not detected	mg/L	0.001	8260	SMP	12/28/99
Trichloroethene	Not detected	mg/L	0.001	8260	SMP	12/28/99
o-Xylene	Not detected	mg/L	0.001	8260	SMP	12/28/99
p,m-Xylene	Not detected	mg/L	0.001	8260	SMP	12/28/99
Tetrachloroethlyene	Not detected	mg/L	0.001	8260	SMP	12/28/99

REVISED REPORT
Analytical Laboratory Report
O'Brien & Gere Engineers, Inc.
January 04, 2000

FECL #: 0047310
Tag: Trip Blank
Date/Time Collected: 12/15/99
Matrix: Liquid

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics						
Volatile Organics						
Benzene	Not detected	mg/L	0.001	8260	SMP	12/28/99
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	SMP	12/28/99
Ethylbenzene	Not detected	mg/L	0.001	8260	SMP	12/28/99
Toluene	Not detected	mg/L	0.001	8260	SMP	12/28/99
Trichloroethene	Not detected	mg/L	0.001	8260	SMP	12/28/99
o-Xylene	Not detected	mg/L	0.001	8260	SMP	12/28/99
p,m-Xylene	Not detected	mg/L	0.001	8260	SMP	12/28/99
Tetrachlorethylene	Not detected	mg/L	0.001	8260	SMP	12/28/99

Note: Methods may be modified for improved performance.
Results reported on a dry weight basis, where applicable.
Results relate only to items tested.
Report shall not be reproduced except in full, without the written approval of FECL.

Violetta F. Murshak

Violetta F. Murshak
Laboratory Director

O'BRIEN & GERE ENGINEERS, INC.

Job No. 5858035

Sheet ___ of ___

Office: NOVI
Address: 39830 GRAND RIVER AVE.
Phone: 248 426 8970

CHAIN OF CUSTODY

CLIENT: GM LOCATION: BURTON PARCEL	COLLECTED BY: MIKE ROBISON (Signature) [signature]

Item	430 SAMPLE DESCRIPTION	Depth	Date	Time	Pres[1] (Y, N)	Matrix[2]	Type[3]	No. of Containers	ANALYSIS REQUESTED
1	~~01 SB-28~~	~~10'~~	~~12/13~~	~~0915~~	~~N~~	~~Soil~~	~~G~~	~~2~~	~~BTEX ... & LEAD~~
2	~~02 SB-29~~	~~8-10~~		~~1015~~	↓	↓	↓	↓	↓
3	~~03 SB-30~~	~~17-19~~		~~1125~~	↓	↓	↓	↓	↓
4	* 08 SB-30 H2O	—		1200	HCL/N	H2O	G	3	BTEX, TETRACHLOROETHYLENE, 1,2 DICHLOROETHANE, DISSOLVED PB, ZN, AS
5	~~04 SB-31~~	[illegible]		[illegible]	~~N~~	~~Soil~~	~~G~~	~~2~~	~~BTEX ... & LEAD~~
6	~~05 SB-32~~	[illegible]		~~1100~~	↓	↓	↓	↓	↓
7	~~06 SB-33~~	[illegible]		[illegible]	↓	↓	↓	↓	↓
8	*09 SB-32 H2O	—		1500	HCL/N	H2O	G	3	BTEX, 1,2 DICHLOROETHANE, TETRACHLOROETHYLENE / DISSOLVED Pb, AS, ZN
9	~~07 SB-34~~	[illegible]		~~1330~~	~~N~~	~~Soil~~	~~G~~	~~2~~	~~BTEX ... & LEAD~~
10	*10 SB-33 H2O			1600	HCL/N	H2O	G	3	BTEX, 1,2 DCA, TETRACHLOROETHYLENE, DISSOLVED Pb, AS, & ZN

* H2O SAMPLES FOR METALS NOT-PRESERVED. LAB MUST FILTER.
Trip Blank [initials]

1 Pres = preservation (HCl, HNO_3, etc.)
2 Matrix = water, wastewater, air, sludge, sediment, etc. 4°C
3 Type = grab, composite

Relinquished by	Date	Time	Received by	Date	Time
Relinquished by: [signature] of: O'BRIEN & GERE	12/13/99		Received by: [signature] of: FECL	12/13/99	15:53
Relinquished by: [signature] of: FECL	12/13/99	1730	Received by: [signature] of:	12/13/99	1730
Relinquished by: of:			Received by: of:		
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: of:			Courier Name: *Attach delivery/courier receipt to Chain of Custody		
Relinquished by: of:			Received by: of:		

O'BRIEN & GERE
ENGINEERS, INC.

Job No. 5858035

Sheet 1 of 1

Office: NOVI
Address: 39830 GRAND RIVER
Phone: 248 426 8970

CHAIN OF CUSTODY

CLIENT: GM
LOCATION: BURTON PARCEL

COLLECTED BY: MIKE ROBISON
(Signature)

Item	SAMPLE DESCRIPTION	Depth	Date	Time	Pres[1] (Y, N)	Matrix[2]	Type[3]	No. of Containers	ANALYSIS REQUESTED
1	462 01 SB 35	8'-10'	12/1/99	1420	N	SOIL	G	2	BTEX, METH. CHLORIDE, LEAD
2	04 SB-34	—	12/1/99	0830	Y/N	H2O	G	2 VOAS + PLASTIC	BTEX, 1,2 DCA, TETRACHLOROETHYLENE, DISSOLVED Pb, AS, ZN
3	02 SB 36	4'-6'	12/1/99	0900	N	SOIL	G	2	BTEX, METH. CHLORIDE, LEAD
4	03 SB 39	8'-10'	12/1/99	1000	N	SOIL	G	2	BTEX, METH. CHLORIDE, LEAD
5									
6									
7									
8									
9	05								
10	TRIP BLANK				HCL	VOA/AC		1	BTEX, 1,2 DCA, TCE + METH. CHLORIDE

[1] Pres = preservation (HCl, HNO_3, etc.)
[2] Matrix = water, wastewater, air, sludge, sediment, etc.
[3] Type = grab, composite

		Date	Time			Date	Time
Relinquished by:				Received by:			
of:	OBG	12/1/99	1500	of:	FECL.	12/5/99	11:50a
Relinquished by:		Date	Time	Received by:		Date	Time
of:	FECL	12/5/99	2:45	of:	FECL	12/5/99	1445
Relinquished by:		Date	Time	Received by:		Date	Time
of:				of:			
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by:		Date	Time	Courier Name:		Date	Time
of:				*Attach delivery/courier receipt to Chain of Custody			
Relinquished by:		Date	Time	Received by:		Date	Time
of:				of:			

djb/wpC

December 13, 1994

O'BRIEN & GERE
ENGINEERS, INC.

Job No. 5858035

Sheet 1 of 1

Office: NOVI
Address: 39830 GRAND RIVER AVE.
Phone: 248 426 8970

CHAIN OF CUSTODY

* LAB MUST FILTER METALS H2O SAMPLES

CLIENT: GM
LOCATION: BURTON PARCEL

COLLECTED BY: MIKE ROBISON
(Signature)

Item	SAMPLE DESCRIPTION	Depth	Date	Time	Preserv.[1] (Y, N)	Matrix[2]	Type[3]	No. of Containers	ANALYSIS REQUESTED
1	SB-30								
2	SB-39								
3	SB-28 07	—		1015	Y/N	H2O	G	2 VOAs / 1 AMBER	BTEX, 1,2 DCA, PCE, DISSOLVED Pb, Zn, + As
4	SB-40								
5	SB-44								
6	SB-45								
7	SB-42 08	—		1250	Y/N	H2O	G	2 VOAs / 1 PLASTIC	BTEX, 1,2 DCA, PCE, DISSOLVED Pb, Zn, AS
8	SB-43								
9	SB-43 09	—		1340	Y/N	H2O	G	2 VOAs / 1 PLASTIC	BTEX, 1,2 DCA, PCE, DISSOLVED Pb, Zn, + As
10	TRIP BLANK 10				HCL	QA/QC	—	1	BTEX, 1,2 DCA, PCE & METHYLENE CHLORIDE

[1] Pres = preservation (HCl, HNO_3, etc.)
[2] Matrix = water, wastewater, air, sludge, sediment, etc.
[3] Type = grab, composite

Y=C

	Date	Time		Date	Time
Relinquished by: _____ of: OBG	12/15/94	1700	Received by: _____ of: FECL	12-16-94	12:45
Relinquished by: _____ of: FECL	12-15-94	3:00	Received by: _____ of: FECL	12-15-94	5:00
Relinquished by: _____ of: _____			Received by: _____ of: _____		
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: _____ of: _____			Courier Name: _____ *Attach delivery/courier receipt to Chain of Custody		
Relinquished by: _____ of: _____			Received by: _____ of: _____		

qjb/wpC

December 13, 1994