# REVISED SUPPLEMENTAL REMEDIAL INVESTIGATION/ ALTERNATIVES ANALYSIS REPORT

for the

# GENEVA FOUNDRY SITE City of Geneva, Ontario County, New York ERP Site #B00019

Prepared for:

CITY OF GENEVA 47 Castle Street Geneva, New York 14456

Prepared by:



8232 Loop Road Baldwinsville, New York 13027 (315) 638-8587 Project No. 2015003

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#### **PROFESSIONAL ENGINEER CERTIFICATION**

I certify that I am currently a New York State Registered Professional Engineer, that this report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Department of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10), and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.<sup>1</sup>

igel Signature

David K. Meixell Professional Engineer Registration Number 075577 State of New York



December 30, 2015 Date

<sup>&</sup>lt;sup>1</sup>This document is a revision of a document previously prepared by O'Brien & Gere Engineers, Inc. and last submitted to the DEC on September 28, 2007. Field work was performed in 2005 and 2006 via work plans approved by the DEC. While the work is in substantial compliance with DER-10, it is noted that DER-10 was issued on May 3, 2010, several years after the previous version of this document.

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#### **1.0 INTRODUCTION**

The former Geneva Foundry site is located 43 Jackson Street, Geneva, New York. The environmental investigation and remedial work is being performed under the New York State Department of Environmental Conservation (DEC) Environmental Restoration Program (ERP). The site is listed as ERP Site No. B00019.

The Supplemental Remedial Investigation/Alternatives Analysis (SRI/AA) Report was originally prepared in September 2007 by O'Brien & Gere Engineers, Inc. and presented the results of some additional investigation work, as well as remedial options for both on-site and off-site areas. In 2015, the DEC collected additional soil samples from numerous residential properties. At the time of the preparation of this revised SRI/AA, the DEC was awaiting the results of this additional sampling. However, this revised SRI/AA has been prepared at the request of the DEC to include unit costs for two other alternatives for addressing near surface impacts on off-site properties. These additional alternatives include the following:

- Placement of a demarcation layer over impacted areas covered with 12 inches of clean fill and reseeding with grass cover.
- Excavation of 12 inches of soil in impacted areas, replacement of 12 inches of clean fill, and reseeding with grass cover.

Areas of residential properties to be remediated will be identified following review of the 2015 analytical results.

#### 2.0 SITE HISTORY AND DESCRIPTION

The Geneva Foundry site is located on Jackson Street in Geneva, New York (see Figure 1) and is owned by the City of Geneva. The site contains two tax parcels. Tax records note the main parcel (104.8-1-34) as being south of Jackson Street and containing 2.01 acres. This parcel formerly

contained the main foundry building. The second parcel (104.8-1-50) is located north of Jackson Street and is noted as containing 0.63 acres. This parcel formerly contained a maintenance building.

The former steel-framed masonry foundry building was demolished by the City in 2005. A smaller masonry structure was located on the north side of Jackson Street. The property is described in the August 2000 *Site Investigation Report and Remedial Alternatives Report for Brownfields Investigation, Geneva Foundry Site, City of Geneva, New York* prepared by Passero Associates, P.C. and Larsen Engineers. The description identifies the foundry building size as having been approximately 80,000 square feet. The site is located in a mixed residential/ commercial neighborhood consisting of railroad tracks to the west, a furniture and carpet store to the south, a residence and automotive garage to the east and Jackson Street residences to the north.

An undated Geneva Foundry Corporation brochure states that operations began in 1868 as the Catchpole Boiler, Foundry and Machine Company. The name was changed to the Geneva Foundry Corporation in 1921, when acquired by William J. Brennan, Sr. The original facilities were destroyed by fire in the early 1940's and were replaced with the recently demolished buildings.

This chronology is supported by a review of historical fire insurance maps. An 1884 map shows the area as being occupied by residences, a closed Methodist School and coal sheds in the western portion of the site. An 1890 map is similar, but shows a "Pattern & Experiment Shop" in the former school building. Other 1897, 1903, 1909 and 1915 maps show the "A. Catchpole Co. Machine Shop and Foundry" located behind the Jackson Street residences. The western portion 5of the property was occupied by the Ontario Coal Company. A 1925 map shows the Geneva Foundry Corporation, with the building having been expanded to Jackson Street. A 1968 map appears to show the building as being similar to what was recently demolished.

The area around the foundry property has been utilized for a variety of industrial and residential purposes since the early to mid-1800's. For much of this time, coal was the primary source of

fuel for heating purposes and coal ash has been encountered in many excavations near the project area. Railroad tracks adjoin the property to the south and west. Jackson Street and residential areas are located to the north, and a commercial/residential area is located to the east.

Historically, the foundry used cupola furnaces for the melt stage of the process. As described in the United States Environmental Protection Agency (EPA) *Compilation of Air Pollutant Factors: AP-42, Fifth Edition, Volume 1: Stationary Point and Area Sources*, dated February 12, 2006, cupolas are the only furnace type that uses coke as a fuel. As stated in a 1988 Center for Metals Production Tech Application Newsletter, the Geneva Foundry replaced the cupolas with two medium-frequency 5,000-pound, 1,500-kilowatt hour coreless induction furnaces around 1984.

According to EPA AP-42, emissions from melting furnaces include particulates, carbon monoxide, organic compounds, sulfur dioxide, nitrogen oxides, metals, and small quantities of chloride and fluoride compounds. Particulates, chlorides and fluorides are generated from incomplete combustion of carbon additives, flux additions, dirt and scale. The highest concentrations of furnace emissions occur when the furnace doors are open during charging, backcharging, alloying, slag removal or similar operations. At these times, emissions escape to the furnace building and eventually to the outside air. Cupolas generally result in greater carbon monoxide and sulfur dioxide emissions due to incomplete combustion of coke. Emissions from induction furnaces are typically limited to particulates, with negligible amounts of hydrocarbons and carbon monoxide.

In June 1986, drums and spilled fluids were reported on the property by an adjacent neighbor. These materials were reportedly removed from the site. In 1987, the New York State Department of Health sampled residential gardens near the facility and reported that soil samples contained elevated levels of heavy metals. A November 1999 *Site Investigation Report and Remedial Alternatives Report* (1999 Report) prepared by Passero Associates, P.C. and Larsen Engineers, documented a site investigation that included the following:

• Passive Soil Gas Study.

- Test Pits.
- Sump Sampling.
- Surface Water and Sediment Investigation.
- Subsurface Soil Sampling.
- Groundwater Sampling.

This work also included the removal and off-site disposal of drums and other containers remaining at the site found to contain various materials. The 1999 Report concluded the following:

- Sludge from an interior sump contained volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).
- Residential soils near the site contained elevated concentrations of metals.
- The passive soil gas study indicated a potential source of VOCs near the southeast corner of the main foundry building.

In 2005, the City demolished the foundry buildings, leaving concrete slabs and foundation walls.

During the week of January 9, 2006, post-demolition environmental sampling was performed at the site. This sampling was conducted in accordance with the January 6, 2006 revised post-demolition Field Sampling Plan (FSP) approved by the DEC.

In addition to the on-site investigation, an additional round of soil samples was collected from six nearby residential properties. These samples were collected in accordance with the January 6, 2006 work plan that was submitted to DEC, with additional efforts as described later in this report.

#### 3.0 DESCRIPTION OF WORK COMPLETED

#### 3.1 On-Site Investigation

The following soils borings were completed in accordance with the January 2006 FSP (refer to Figure 2). Where necessary, the concrete pad was broken and an approximate 2-foot deep core was installed using a Dutch auger. Each extracted core was visually examined and two soil samples were collected from each core: one from the near-surface soils and one from the bottom of the core. Refusal did not allow the collection of deeper soil samples at sample locations BH-23, BH-26, BH-30 and BH-33.

- Two soil borings (BH-20 and BH-21) were installed in the northern portion of the former warehouse building located on the parcel north of Jackson Street to evaluate if any subsurface impacts occurred from former operations. This area was not sampled in the past. In addition, a soil boring was installed east of the former building at the edge of the adjacent paved asphalt area (BH-36) and a composite surface sample was collected from a soil pile located north of the former building (SS-37).
- Two soil borings (BH-22 and BH-23) were installed immediately north of monitoring well MW-1. A groundwater sample previously collected from MW-1 contained concentrations of mercury above groundwater limits. It was proposed that MW-1 be resampled for mercury at the time of the proposed soil sampling to confirm the previous mercury result. While this well was damaged during demolition of the building (the casing was broken below the ground surface), a groundwater sample was collected from the remaining portion of the well on January 27, 2006. However, it is likely that this well has been impacted from surface runoff.
- Two soil borings (BH-24 and BH-25) were installed in the area of the filled pit located in the northwest portion of the main foundry building to assess whether residual impacts may exist in the subsurface soils in this area. Toluene and several SVOCs were detected

in the previous SB-12 soil boring that was installed immediately southwest of this location.

- Two soil borings (BH-26 and BH-27) were installed in the vicinity of the shaft/pit located west of the central area of the main building to assess whether materials from the sump may have impacted underlying soils. A sample of foundry sand from this pit contained several VOCs.
- Two soil borings (BH-28 and BH-29) were installed outside the southwest corner of the former Cleaning Room. A potential sump structure was noted in this area on a previous building drawing, but the area had apparently not been previously sampled.
- One soil boring (BH-30) was installed in the area of the former sump located south of the Cleaning Room to assess whether acetone and other VOCs detected in sludge from this structure in previous sampling have impacted underlying soils. A second boring (BH-31) was planned in this area, but the sump was found to be full of standing water and a subsurface soil sample was not feasible under these conditions.
- Two soil borings (BH-32 and BH-33) were installed in the area of the former machine shop to assess whether impacts may have occurred to underlying soils at this location.

In addition to the sampling locations identified in the FSP, the following samples were added at the initiation of the fieldwork:

- Sample BH-34 was located in a central area of the main parcel in an area not previously investigated.
- Sample BH-35 was located on the west edge of the main parcel adjacent to a former sump area and in the area historically used as a coal yard.
- Sample BH-36 was located near the west edge of the northern parcel in an area not previously sampled.

• Sample SS-37 consisted of a composite near-surface sample collected from a soil pile near the north boundary of the north parcel that had not been previously characterized.

Soil samples were submitted for laboratory analysis of the following parameters:

- VOCs via EPA Method 8260.
- SVOCs via EPA Method 8270.
- TAL RCRA metals.

Samples were stored in coolers with ice packs and delivered to Brittonfield Laboratory for analysis. Sampling equipment was decontaminated between sample locations to minimize the potential for sample cross-contamination. Decontamination procedures included the following steps:

- Loose dirt was removed from the sampling equipment.
- The sampling tool was wiped with a moistened disposable towel.
- Equipment was placed in a 5-gallon bucket filled approximately three-quarters full with a solution of potable water and Alconox, and scrubbed with a brush.
- Following the wash, the equipment was rinsed with distilled water.
- Wash and rinse waters were disposed of on the foundry property surface.

An equipment blank was collected each day for quality control purposes. Equipment blank samples were collected by pouring laboratory-provided distilled water over the decontaminated sampling equipment and collecting the water. These samples were stored and shipped with the other samples, and analyzed for the same parameters as the soil samples.

#### 3.2 Residential Soil Investigation

The following tasks were performed concurrently with the on-site investigation:

- Additional soil samples were collected at six residential properties. The properties were selected as being representative of low, medium and high concentrations of lead, based on previous results, , and included the following:
  - Two yards with high concentrations.
  - Two yards with medium concentrations.
  - Two yards with low concentrations.
- At each address, six discrete samples were collected for analysis of lead. The sample locations were chosen by James H. Craft, DEC Geologist. In addition, Mr. Craft used a portable x-ray fluorescence (XRF) instrument to screen soil samples, including one deeper coring from each property.
- As with the previous residential soil sampling performed in 2005, soil samples were collected at a depth just below the root zone and placed in 4-ounce glass jar containers. Sampling procedures were in accordance with the previous residential soil sampling, and samples were labeled by sample location and placed in a cooler with ice packs. The preserved samples were delivered to Brittonfield Laboratory for analysis of total lead via USEPA Method 6010/7000.
- A sketch of each yard was prepared showing the sample locations, structures and other pertinent information, such as locations of gardens and play areas.

In 2015, the DEC collected additional soil samples from numerous residential properties. The results of this sampling are not available at this time. It is anticipated that these results will be considered in determining the details of the off-site remedial program.

#### 4.0 STANDARDS, CRITERIA AND GUIDANCE (SCGs)

The following guidance or regulatory criteria are applicable for evaluation of the analytical results obtained from the remedial investigation.

- **Groundwater**: New York Codes, Rules and Regulations, Title 6 (6NYCRR) Part 703 Groundwater Quality Standards and DEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, *Ambient Water Quality Standards and Guidance Values*, dated June 1998, and including 2008 revised standards as applicable.
- Soil: 6NYCRR Part 375-6, *Remedial Program Soil Cleanup Objectives (SCOs)*, specifically the SCOs for *Unrestricted Use*, *Residential* and *Residential Restricted Use*.
- Site Investigation and Remediation: DEC Technical Guidance for Site Investigation and Remediation (DER-10), effective June 18, 2010, and 6NYCRR Part 375 Environmental Remediation Programs.

#### 5.0 NATURE AND EXTENT OF CONTAMINATION

#### 5.1 On-Site Investigation

Copies of the analytical results are included in Attachment 1 and summarized in Tables 1 through 3. The results are also presented visually in Figures 3 and 4. These results are discussed in more detail for the following sample locations:

#### Former Storage Building Located North of Jackson Street:

Soil samples BH-20-S, BH-20-D, BH-21-S and BH-21-D were collected from beneath the central and northern areas of the concrete slab remaining from the former storage building that was located north of Jackson Street. Samples had not previously been collected in this area.

Analytical results indicated detections of VOCs that were well below the respective SCOs, as defined in 6NYCRR, Part 375-6.8. These VOCs included acetone and methylene chloride, which were also detected in the trip blank for the day of sampling and may be attributable to laboratory contamination.

Two SVOCs were detected in the near surface soil sample at BH-20 at concentrations less than the respective SCOs. These compounds were benzo[a]anthracene and chrysene. The compounds were also identifed as being present in the deeper sample from this location, but at concentrations less than the method detection limits (MDLs). Similarly, metals were detected at concentrations less than SCOs.

No VOCs or SVOCs were detected above the MDLs in either the shallow or deep soil samples at BH-36, located off the eastern edge of the asphalt pavement immediately east of the former building. Concentrations of metals did not exceed SCOs.

No VOCs or SVOCs were detected above SCOs in a composite sample (SS-37) from stockpiled soils located north of the former building and south of State Street. Chromium was detected at a concentration of 95 milligrams per kilogram (mg/Kg), which exceeded the SCO of 36 mg/Kg. However, since the source of the dirt pile is not known, the chromium may have originated from an off-site source.

#### Area of Former Monitoring Well MW-1:

Soil samples BH-22-S, BH-22-D and BH-23-S were collected immediately north of the former monitoring well MW-1 that was damaged during the demolition of the buildings. A groundwater sample from MW-1 had previously contained mercury at a concentration greater than groundwater standards. The shallow soil sample at BH-22 contained mercury at 0.39 mg/Kg, which is less than the SCO of 0.81 mg/Kg, while the deeper sample at BH-22 contained mercury at 1.0 mg/Kg, slightly exceeding the SCO. Due to refusal, only a shallow soil sample could be collected at BH-23. This sample was found to contain mercury below the SCO, at a concentration of 0.11 mg/Kg.

VOCs and SVOCs were not detected at these locations above SCOs.

In accordance with the FSP, a groundwater sample was collected from MW-1 for analysis of mercury. However, the well had been damaged during demolition of the north parcel building. The steel outer casing was broken loose and the inner PVC casing was broken off approximately 1.5 feet below the ground surface, with the remaining PVC casing crimped at the break. The 1.5-inch diameter bailer that had been brought for sampling the well could not be inserted down the crimped portion of the riser. On January 27, 2006, O'Brien & Gere returned to the site with a smaller diameter bailer and a groundwater sample was collected at that time. The groundwater sample was submitted for analysis of mercury as both filtered and unfiltered samples. The unfiltered sample contained mercury at 0.00022 milligrams per liter (mg/L), which is less than the State groundwater standard for mercury of 0.0007 mg/L. The filtered sample had no detectable mercury (with a detection limit of 0.0002 mg/L).

#### Area of Filled Pit in Northwest Area of Former Main Building:

Soil samples BH-24-S, BH-24-D, BH-25-S and BH-25-D were collected in the area of the filled former pit located in the northwest portion of the former main building, south of Jackson Street. VOCs were not detected above SCOs at these locations, but a few SVOCs were detected above their respective SCOs (refer to Table 3).

Mercury was the only metal detected in these soil samples above the SCO. Mercury was detected at a concentration of 1.2 mg/Kg in the shallow sample at BH-25, marginally exceeding the SCO of 0.81 mg/Kg. Mercury was detected at a concentration of 0.52 mg/Kg in the deeper sample at BH-25, indicating the impacted soil was limited to within 2 feet of the ground surface.

#### Area of Shaft/Pit Located West of Central Portion of Main Building:

Soil samples BH-26-S, BH-27-S and BH-27-D were collected at the former shaft/pit located just west of the central area of the main building. No VOCs, SVOCs or metals were detected in these samples at concentrations greater than SCOs.

#### Former Cleaning Room:

Soil samples BH-28-S, BH-28-D, BH-29-S and BH-29-D were collected near the former Cleaning Room in the main building, by a former sump structure that had not been previously sampled. VOCs were not detected in these samples at concentrations greater than SCOs. The shallow soil sample collected from BH-28 did not contain SVOCs greater than the MDL, but also had elevated detection limits. It is not clear what may have resulted in the elevated concentration in the shallow sample at this location. The sample collected less than 2 feet deeper at BH-28 contained chrysene at an estimated concentration of 45 micrograms per kilogram ( $\mu$ g/Kg), which is less than the MDL and the chrysene SCO of 1,000  $\mu$ g/Kg.

The shallow sample collected from BH-29 contained three SVOCs that marginally exceeded the MDLs but were less than their respective SCOs. The sample collected less than 2 feet deeper at BH-29 did not contain detectable concentrations of SVOCs. Metals were not detected at concentrations greater than SCOs.

#### Former Sump Located South of the Cleaning Room:

Soil sample BH-30-S was collected in the area of the former sump located south of the Cleaning Room. A deeper soil sample was not collected at BH-30 due to refusal. Acetone and other VOCs had previously been detected in samples of sludge from this sump and the recent sampling was to assess whether underlying soils had been impacted in this area. VOCs were not detected in this sample at concentrations greater than applicable SCOs. Benzo[b]fluoranthene was detected at an estimated concentration of 2,400  $\mu$ g/Kg, exceeding the SCO of 1,000  $\mu$ g/Kg. Analytical detection limits for SVOCs were also elevated in this sample.

Both chromium and lead were detected at concentrations greater than SCOs. The concentration of chromium was 70 mg/Kg, exceeding the SCO of 36 mg/Kg. Lead was detected at 590 mg/Kg, exceeding the SCO of 400 mg/Kg.

#### Former Machine Shop:

Soil samples BH-32-S, BH-32-D and BH-33-S were collected in the area of the former machine shop to assess potential impacts to the underlying soils at this location. VOCs and SVOCs were not detected at concentrations exceeding SCOs at location BH-32. Five SVOCs were detected in BH-33-S at concentrations exceeding SCOs (refer to Table 3).

#### Central Area of Main Building:

Sample location BH-34 was added prior to the initiation of the field sampling to assess conditions in the central portion of the main building. VOCs were not detected in either of the soil samples from this location at concentrations greater than SCOs. SVOCs were not detected in the shallow soil sample, although analytical detection limits were elevated. The detection limits were normal in the deeper sample and SVOCs were not detected at concentrations exceeding SCOs. Chromium was detected in the shallow soil sample at a concentration of 48 mg/Kg, marginally exceeding the SCO of 36 mg/Kg. The deeper soil sample contained chromium at 2.1 mg/Kg, which is well below the SCO.

A dark sandy layer was observed at this sampling location from a depth of 0 to 6 inches, with layers of reddish sand and light brown sand between 18 to 24 inches below grade. Based on field observations and the elevated phenol concentration found in the deeper soil sample, the light brown layer may consist of foundry sand with a phenolic binder.

#### East Edge of Main Building near Former Sump and Former Coal Yard:

Sample location BH-35 was added prior to the initiation of field sampling to assess conditions at the west edge of the main parcel adjacent to a former sump area and in an area that was historically used as a coal yard. No VOCs, SVOCs and metals were detected at concentrations greater than the MDLs in either soil sample from this location.

#### 5.2 Residential Soil Investigation

Copies of the analytical results from the 2005 and 2006 residential soil investigations are included in Attachment 1 and summarized in Tables 4 and 5. Table 5 also includes the analytical results from previous sampling at the same properties. Approximate sample locations (with the analytical results) are included on Figure 5 – Lead Results – Site Plan.

The results of the 2006 sampling are generally consistent with previous investigations, with the six residential properties (three on Jackson Street, two on State Street and one on Exchange Street) being discussed in more detail below:

#### Jackson Street Properties:

- The 2006 analytical lead results from one property ranged from 340 to 1,400 mg/Kg, with a mean from both the 2005 and 2006 samples of 860 mg/Kg. As shown on Figure 5, the lowest concentrations from both the 2005 and the 2006 samples were in the front yard, which is immediately across Jackson Street from the former foundry, and the highest concentrations were in the backyard. The cause of the higher concentrations of lead is not apparent.
- The 2006 analytical results from a second property ranged from 250 to 990 mg/Kg, with a mean from both the 2005 and 2006 samples of 470 mg/Kg. As shown on Figure 5, there is no clear pattern in the analytical results from this property, such as one area having consistently higher results than another area.
- The 2006 analytical results from a third property ranged from 470 to 840 mg/Kg, with a mean from both the 2005 and 2006 samples of 673 mg/Kg. As shown on Figure 5, there is no clear pattern in the analytical results from this property, such as one area having consistently higher results than another area.

#### State Street Properties:

- Some of the 2006 samples scheduled for one property were collected on the adjacent property to the west, which is part of the north parcel of the Geneva Foundry site. The 2006 analytical results ranged from 110 to 420 mg/Kg, with a mean from both the 2005 and 2006 samples of 257 mg/Kg. Collectively, these results are the lowest of the six properties sampled in 2006. As shown on Figure 5, three of the four soil samples collected from the adjacent Geneva Foundry parcel contained the three lowest concentrations of lead in this area. The four soil samples collected at 47 State Street have lower lead concentrations than the other residential samples.
- A second property contained the highest concentration of lead from the 2005 sample event. The 2006 analytical results ranged from 290 to 710 mg/Kg. The highest concentration in the 2006 sample event is approximately one third of the highest concentration from 2005, which was collected near the southwest corner of the residence and may have been impacted by lead-based paint from the residence. The mean from both the 2005 and 2006 samples is 650 mg/Kg. Excluding the results of the sample that may be influenced by lead-based paint, the mean concentration was 440 mg/Kg.

#### **Exchange Street Property:**

• This property is located adjacent to the east boundary of the main parcel of the Geneva Foundry site. The single highest concentration of lead from the 2006 sample event was from a sample collected in the backyard of this property near the former foundry building. The 2006 analytical results ranged from 640 to 2,000 mg/Kg, with a mean from both the 2005 and 2006 samples of 988 mg/Kg, which is the highest mean concentration for the six properties. One soil sample was collected from the front yard. This sample had the lowest concentration of lead at 490 mg/Kg. As shown on Figure 5, there is no clear pattern in the analytical results from this property, such as one area having consistently higher results than another area.

#### 6.0 COMPARISON WITH STANDARDS, CRITERIA AND GUIDANCE

#### 6.1 On-Site

Exceedances of appropriate SCGs are discussed for specific sample locations in the previous section and highlighted in Tables 1 through 5. In general, concentrations of VOCs were not found to exceed SCOs in any of the soil samples. The following SVOCs were detected at concentrations exceeding SCOs in one or more soil samples:

- Benzo[a]anthracene
- benzo[a]pyrene
- Benzo[b]fluoranthene
- Benzo[k]fluoranthene
- Chrysene
- Dibenz[a,h]anthracene
- Indeno[1,2,3-cd]pyrene

These SVOCs were found in several of the samples across the site and are typically found in developed areas. These compounds may be associated with coal ash, asphalt or heavier fuel oils.

Of the metals analyzed, mercury was detected at concentrations exceeding the SCO of 0.81 mg/Kg in two of the 29 samples. Mercury was detected in the shallow sample at BH-25 at a concentration of 1.2 mg/Kg, exceeding the SCO of 0.81 mg/Kg. The soil sample collected less than 2 feet deeper at BH-25 contained mercury at a concentration of 0.52 mg/Kg. Lead was detected in the shallow soil sample collected at BH-30 at a concentration of 590 mg/Kg, exceeding the SCO of 400 mg/Kg. Chromium was detected exceeding the SCO of 36 mg/Kg in three samples (BH-30-S, BH-34-S and composite sample SS-37).

#### 6.2 **Residential Properties**

A total of 56 of the 118 residential soil samples collected in 2005 and 2006 had lead concentrations exceeding the residential SCO of 400 mg/kg. Only one of the 118 samples had a concentration below the unrestricted use SCO of 63 mg/kg. Twenty-five of the 42 properties sampled had at least one sample with lead exceeding the restricted residential SCO.

A total of 42 of the 82 residential soil samples collected in 2005 and 2006 had arsenic concentrations exceeding the restricted residential SCO of 16 mg/kg and 53 of the samples exceeded the unrestricted use SCO of 13 mg/kg.

#### 7.0 DATA USABILITY

Data validation was conducted by O'Brien & Gere and a Data Usability Summary Report (DUSR) is included in Attachment 2. Sample processing was generally compliant with appropriate protocols, and most sample analyte values/reporting limits are usable.

The following table summarizes the sample results that were rejected as a result of the data validation process performed on the data, based on method criteria, validation guidance and professional judgment.

Analysis Type (Impacted Analytes)	Sample Identification	Qualifier	Excursion
Volatile Organic Compounds (VOCs) (1,1,2,2-tetrachloroethene, isopropylbenzene, 1,2,3-trichloropropane, bromobenzene, n-propylbenzene, 2-chlorotoluene 4-chlorotoluene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, 1,3-dichlorobenzene, p-isopropyltoluene, 1,4-dichlorobenzene, n-butylbenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene, 1,2,3-trichlorobenzene)	BH-25-S and BH-34-S	R	Major Internal Standard Recovery Excursion
Semi-Volatile Organic Compounds (SVOCs) (benzoic acid)	Equipment Blanks 1/10/06 and 1/11/06	R	Major LCS Recovery Excursion

#### 8.0 CONTAMINANT FATE AND TRANSPORT

The Geneva Foundry site is located in an urban area served by municipal water and sewer systems. The use of groundwater for potable water has not been identified in the vicinity of the site. Ground surfaces are generally covered with buildings, pavement or lawns or other vegetative cover. Railroad tracks are located west and south of the foundry property, with residential and commercial areas located across the tracks as well to the north and east. As previously noted, parameters of concern are largely limited to several SVOCs and metals. As noted in the 1999 Report, groundwater flows toward the south/southwest. Groundwater on the Geneva Foundry property was not found to be impacted. Although damaged during the demolition activities, well MW-1 was resampled in January 2006, with both filtered and unfiltered samples being analyzed for mercury. The 2006 results showed mercury at 0.22  $\mu$ g/L in the unfiltered sample, which is less than the State groundwater standard of 0.7  $\mu$ g/L. The filtered sample had no detectable concentration of mercury. Therefore, mercury does not appear to be migrating in groundwater.

Topography in the area of the Geneva Foundry site is relatively level, but slopes southeast toward Seneca Lake. Precipitation generally either infiltrates the ground surface or flows overland to municipal storm sewers that service the area.

#### 9.0 QUALITATIVE HUMAN AND FISH/WILDLIFE EXPOSURE ASSESSMENT

#### 9.1 Qualitative Human Exposure Assessment

Since groundwater is not used for potable water in the vicinity of the site, the following potential human health exposure pathways have been identified:

- Dermal contact, such as construction workers, with impacted soils.
- Inhalation of impacted dust.
- Consumption of produce grown in impacted soils.

The DEC SCOs are adequate to address potential risks associated with dermal contact via construction workers. The DEC SCOs are based in part on acceptable human health cancer risks (10<sup>-5</sup> for Class C carcinogens and 10<sup>-6</sup> for Class A and B carcinogens). In addition, the DEC levels are based on acceptable human health levels as calculated from reference doses (RFDs) as published in the EPA Health Effects Assessment Summary Tables (HEASTs). The appropriate cleanup objective is based on the criteria which produces the most stringent cleanup level. Therefore, protection for human receptors is adequately addressed by cutting potential pathways to concentrations that exceed SCOs.

#### 9.2 Qualitative Fish/Wildlife Exposure Assessment

Potential fish/wildlife exposure pathways include the following:

- Direct ingestion of impacted soil by invertebrates.
- Food chain exposure pathway.

There are no surface water bodies identified on the site, except for occasional pooling of precipitation on concrete surfaces. Since removal of the existing concrete slabs is proposed and the final site surface is to be graded to drain surface water, aquatic exposure to site contaminants are not expected.

#### **10.0 SUMMARY AND CONCLUSIONS**

#### 10.1 Summary

There are currently no specific plans to redevelop the Geneva Foundry property. However, to improve the aesthetics of the property and allow some recreational use, the City plans to remove the remaining concrete slabs and foundations, regrade the property and plant grass that will be maintained by occasional mowing. The following summarizes the findings of the Supplemental Remedial Investigation:

- Groundwater does not appear to be impacted from the Geneva Foundry site.
- Five soil samples on the foundry site contained concentrations of metals exceeding SCOs. The concentration of mercury exceeded the SCO in the shallow sample at BH-25, but was less than the SCO in the soil sample collected 2 feet lower. Only a shallow sample was collected at BH-30 due to refusal. This sample exceeded the SCOs for chromium and lead. The composite soil sample of the soil pile located on the north parcel (SS-37) exceeded the SCO for chromium.
- The additional following SVOCs were also detected at concentrations that exceeded their respective SCOs in one or more soil samples:
  - Benzo[a]anthracene
  - benzo[a]pyrene
  - Benzo[b]fluoranthene
  - Benzo[k]fluoranthene
  - Chrysene
  - Dibenz[a,h]anthracene
  - Indeno[1,2,3-cd]pyrene

These compounds are often associated with coal or wood ash, asphalt or heavier fuel oils.

• The highest arithmetic mean for lead concentrations at the residential properties was 988 mg/Kg at 234 Exchange Street. Lead concentrations in soil were generally lower in samples collected from the former foundry site compared to the surrounding residential properties. Twenty-five of the 41 residential properties sampled in 2005 and 2006 contained one or more samples that exceeded the restricted residential SCOs.

• A total of 42 of the 82 residential soil samples collected in 2005 and 2006 had arsenic concentrations exceeding the restricted residential SCO of 16 mg/kg and 53 of the samples exceeded the unrestricted use SCO of 13 mg/kg.

#### **10.2** Conclusions

Based on the findings presented in this report, the following remedial actions are recommended:

- The concrete slabs and foundations should be removed to allow future development of the property.
- The floor elevation is several feet higher than the surrounding grade along the eastern edge of the main building. If soil is to be removed for off-site disposal, representative soil samples should be collected and analyzed for SVOCs and RCRA metals prior to arranging for appropriate disposal.

#### 11.0 ALTERNATIVE ANALYSIS

#### 11.1 Identification of On-Site Alternatives

In order to address recommended remedial actions, the following alternatives have been considered:

#### Alternative 1 - No Action:

Since the remaining concrete slabs and foundations need to be removed to complete the demolition process, the *No Action* alternative would include removal of these structures, regrading the exposed soils and establishment of a vegetative cover. Institutional/Engineering Controls (IC/ECs), such as deed restrictions, would be a necessary component of this alternative.

#### Alternative 2 - Remediation to Restricted Use for Industrial SCOs:

This alternative would involve the excavation and off-site disposal of impacted soils in the vicinity of BH-24, BH-25 and BH-33, all of which marginally exceeded the SCO of 1,100  $\mu$ g/Kg for benzo[a]pyrene. A deed restriction would be necessary for industrial use only of the property.

#### Alternative 3 - Remediation to Restricted Use for Residential SCOs:

This alternative would include the excavation and off-site disposal of subsurface soils in the vicinity of the borings BH-22, BH-24, BH-25, BH-30 and BH-33 following the removal of the concrete slab. Soil that is visually identified as being contaminated in these areas would be removed, and confirmation samples collected from the excavation bottom and sides for laboratory analysis of SVOCs via EPA Method 8270. If the concentrations in the confirmation samples are less than SCOs, remediation of these areas will be deemed complete. In addition, soil piles located north of the former storage building on the north parcel would be removed for off-site disposal. A composite sample from this soil (BH-27) exceeded SCOs for chromium and mercury. One composite soil sample would be collected from the surface of the cleared area for analysis of chromium and mercury. If the concentrations in the confirmation sample are less than the SCOs, remediation of these areas will be deemed complete. IC/ECs for the foundry property, such as deed restrictions, would be a necessary component of this alternative. The site would then be regraded and covered with clean fill, and vegetative cover would be planted.

#### Alternative 4 - Remediation to Unrestricted SCOs:

This alternative would include the excavation and off-site disposal of on-site soils that exceed SCOs for unrestricted use. This alternative would allow the site to be used for any purpose after remediation is complete, with no IC/ECs. Fourteen of the 17 boring locations had at least one sample that exceeded an SCO of at least one SVOC or metal, as well as the composite sample from the soil piles on the north parcel. While the full vertical and horizontal extent of these areas has not been delineated, the evaluation of this alternative assumes that approximately one half of

the Geneva Foundry property would need to be excavated to a depth of 2 feet. No deed restrictions would be necessary under this alternative.

#### 11.2 Analysis

The identified alternatives for the former Geneva Foundry property have been evaluated with the eight remedy selection factors (refer to Table 6).

Alternative 1, the *No Action* alternative, is the least costly option since no action other than grading and establishing a vegetative cover is involved. However, this option would leave in place areas with exceedances of SCOs for several SVOCs and metals. This option would be readily implementable and would improve the appearance of the site. However, future use of the property by the community would not be feasible.

Alternative 2 would remove site contaminants that exceeded the SCOs for restricted use for industrial purposes. As with Alternative 1, a vegetative cover would be established. This option provides improved protection of public health and the environment, but would restrict the potential resuse of the property to industrial uses. While previously used for industrial purposes, the property is located in an area of residential and commercial uses, with access from a narrow, dead end residential street. Therefore, the 2.1-acre property may not be attractive for future industrial use. At an estimated cost of \$130,078, this option is more expensive than the No Action alternative. However, it is significantly less than the Unrestricted alternative. Since some impacted materials would remain, IC/ECs would be incorporated into the remedy.

Alternative 3 involves the remediation of the property to the SCOs associated with restricted use for residential purposes. Following removal of site contaminants, the areas would be backfilled and graded. This alternative would allow residential uses, subject to IC/ECs, with the restrictions noted in 6NYCRR Part 375-1.8. As previously noted, residential use is a more probable future use of the property, due to its location on a dead end residential street. The estimated cost to implement Alternative 3 is \$242,697.

Alternative 4, the Unrestricted remedy, will require the removal of an average depth of approximately 4 feet of material from fourteen areas across the site and placement of clean fill. Since complete compliance with SCGs is expected, IC/ECs would not be required. The estimated cost for this alternative is \$1,071,406. This option is more than eight times the cost of Alternative 2 and would not provide a significant improvement to the protection of human health or the environment. Implementability would also be more difficult and disruptive to the community, due to increased truck traffic and construction activities.

#### 11.3 Analysis of Alternatives for Residential Properties

Another round of near surface soil samples was collected in late 2015. Results of the 2015 residential soil sampling program will be presented under separate cover. Therefore, the residential alternatives are not being represented as remedial options at this time. Due to the small size of most of the residential properties, alternatives for addressing residential soils impacted by lead and arsenic have been limited to the following:

- Alternative 1: No action.
- Alternative 2: Placement of a demarcation layer below a 1-foot layer of imported clean fill in areas where surface soils exceed residential SCOs. The remediated area will be revegetated with grass.
- Alternative 3: Excavation of 1 foot of soil for off-site disposal, followed by placement of a 1-foot layer of imported clean fill in areas where surface soils exceed restricted residential SCOs. The remediated area will be revegetated with grass.
- Alternative 4: Excavation of 0.5 foot of soil for off-site disposal, followed by placement of a 1-foot layer of imported clean fill in areas where surface soils exceed restricted residential SCOs. The remediated area will be revegetated with grass.

An alternative to remediate to unresticted use SCOs is not considered feasible, since virtually all samples exceeded the unrestricted use SCO for lead. Remediation to the residential SCO is considered to be adequately protective.

Since areas to be remediated are in the process of being further defined, the full alternatives cannot be defined at this time and have been partially evaluated via a comparison of unit costs. For evaluation purposes, each alternative assumed a remedial unit of 1,000 sqaure feet, with the designated depth being remediated. The estimated unit costs for the three options are \$13,186 per 1,000-square foot unit for Alternative 2, \$21,466 per 1,000-square foot unit for Alternative 3 and \$18,136 per 1,000-square foot unit for Alternative 4.

#### **11.4 Recommended Alternative**

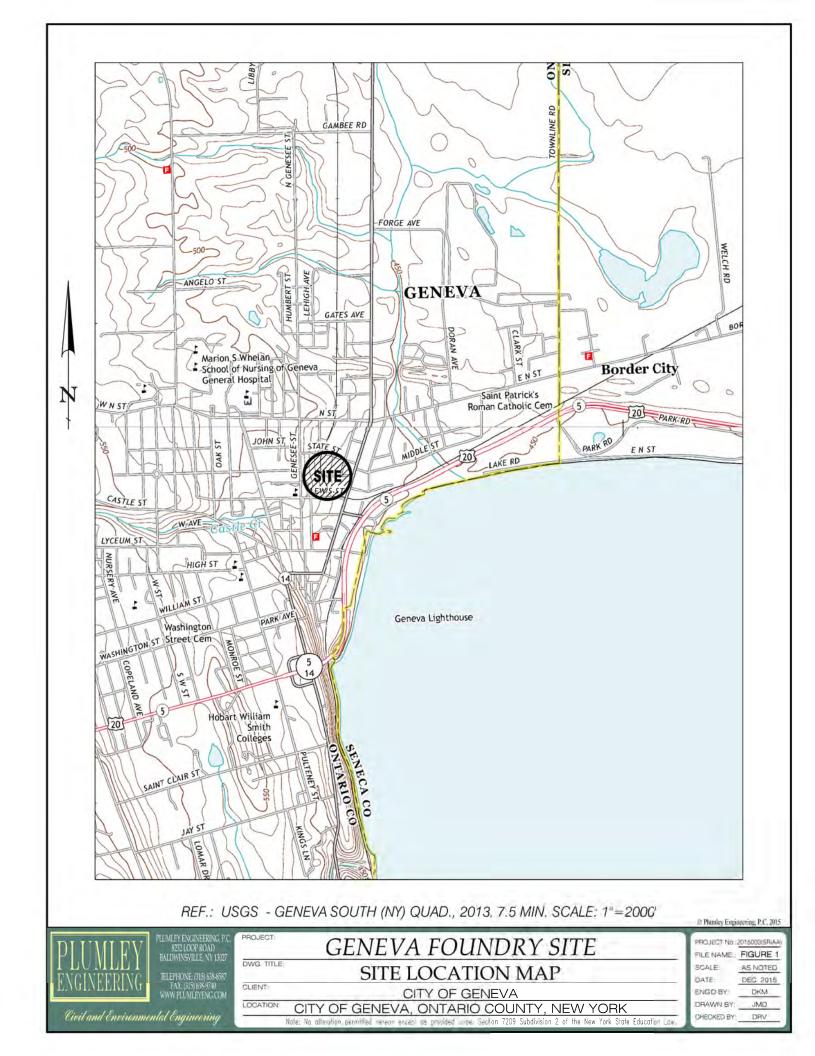
#### **On-Site Remediation:**

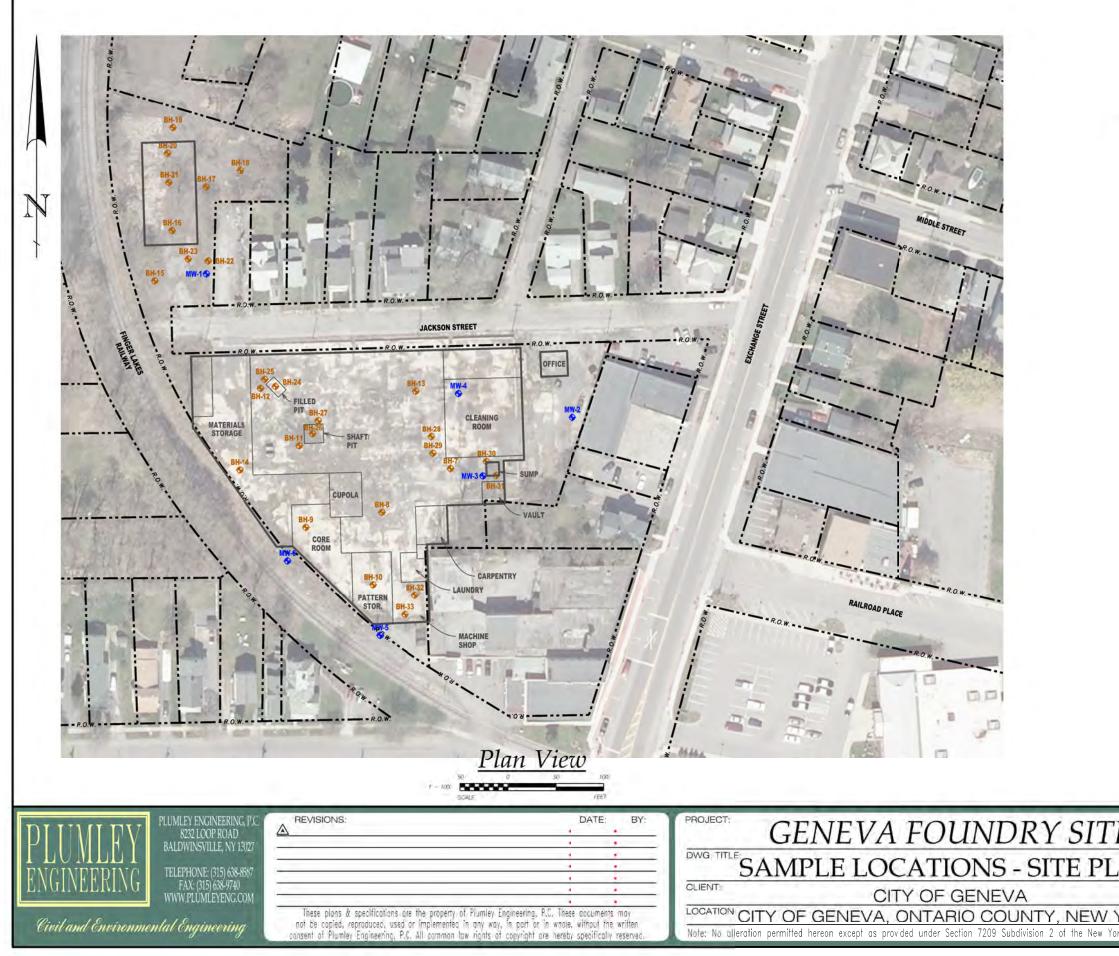
Based on the previous analysis of alternatives, Alternative 3, the excavation and off-site disposal of selected areas of the former Geneva Foundry property to SCOs for restricted residential use, is the recommended alternative. This option provides for a significant reduction in the volume of impacted soil and would allow re-use of the site for low maintenance recreational uses until other redevelopment options become available.

#### **Off-Site Remediation:**

The properties to be remediated and the alternative selection will be determined in consultation with the DEC following receipt of the 2015 data.

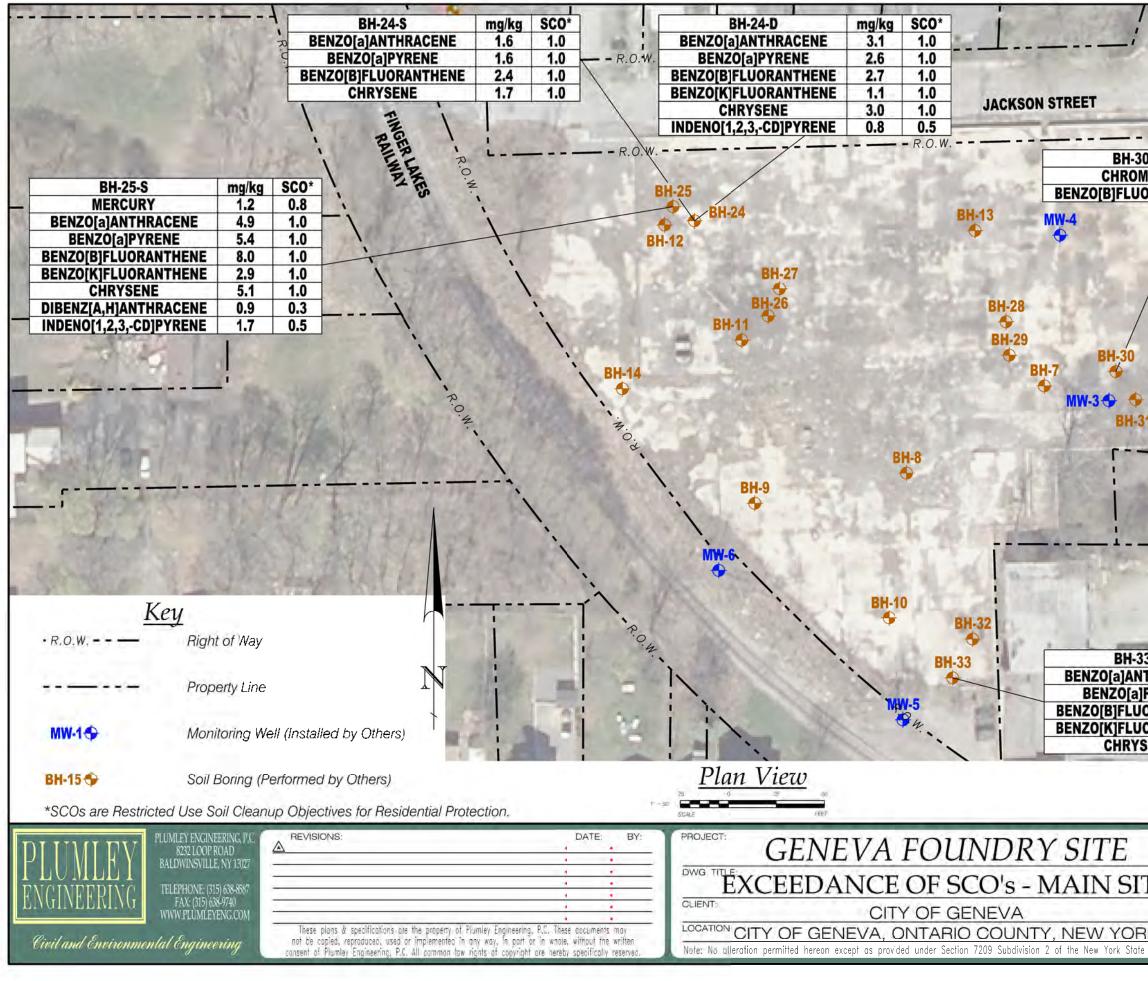
# FIGURES





	Right of Way
	Property Line
MW-1©	Monitoring Well (Installed by Others)
BH-15 69	Soil Boring (Performed by Others)

Ė	PROJECT No:	2015003 FIGURE2(SRIAA)	SHEET NO .:
AN	SCALE: DATE:	AS NOTED DEC. 2015	FIGURE 2
YORK	ENG'D BY: DRAWN BY: CHECKED BY:		© Plumley Engineering, P.C. 2015

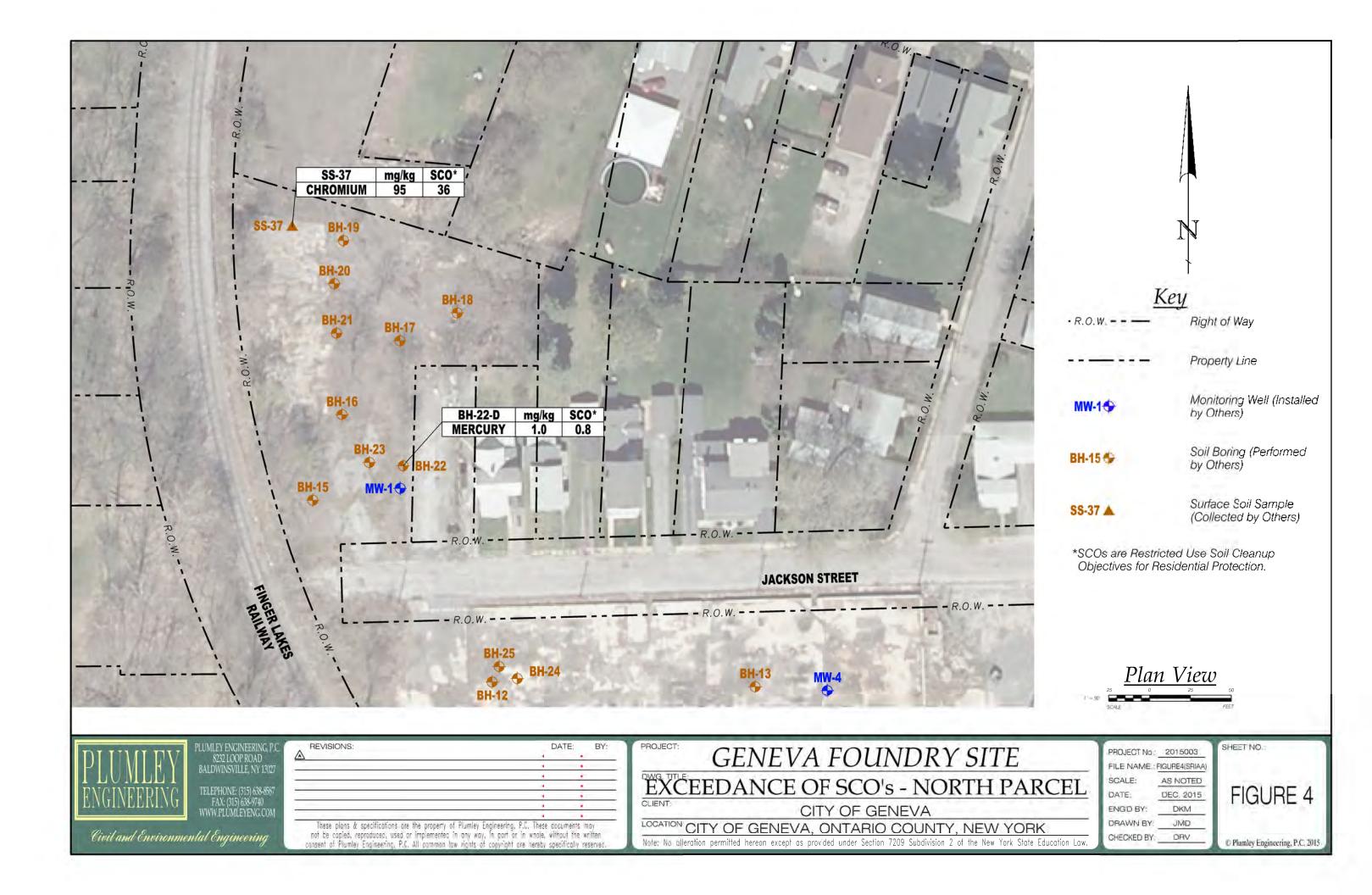


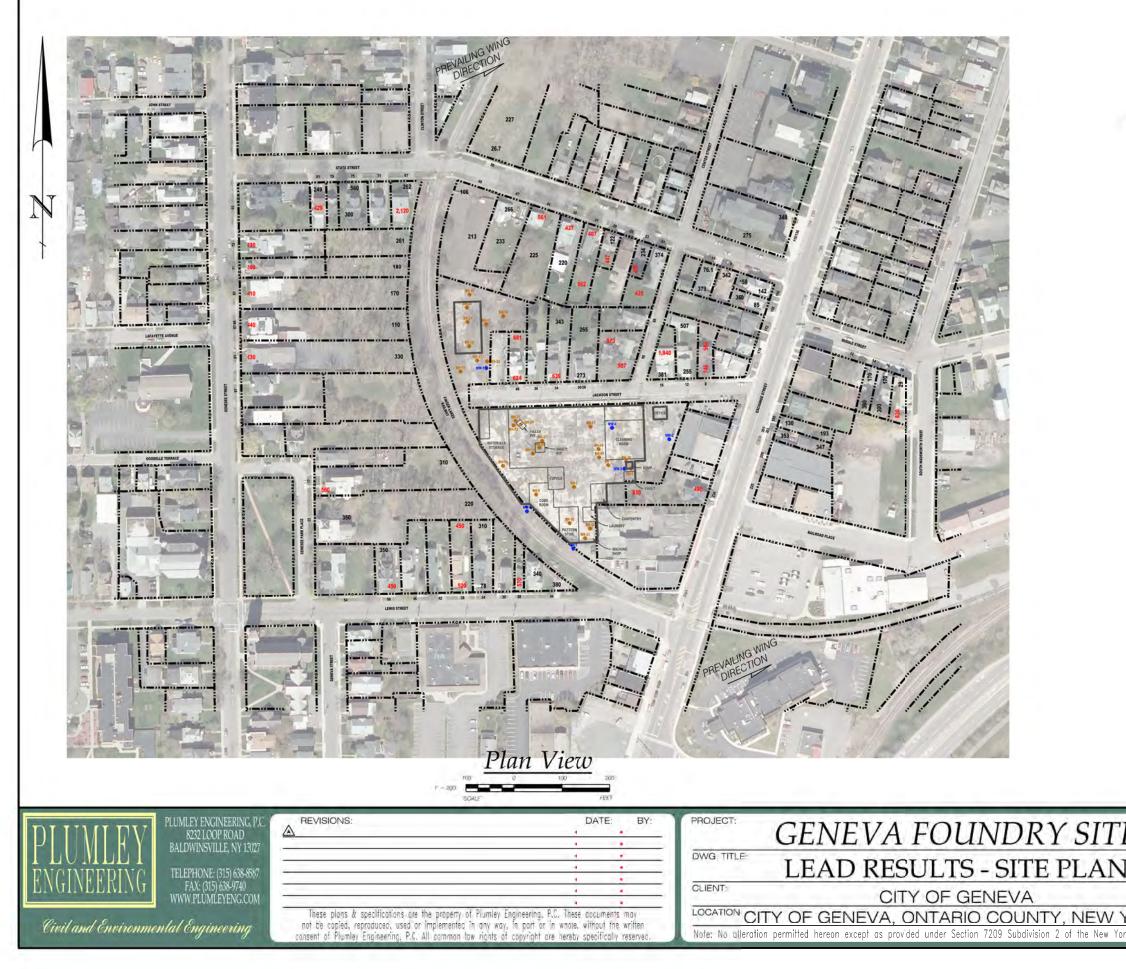
1-30-S	mg/kg	SCO*
ROMIUM LUORANTHENE	70 2.4	36 1.0
	29	1
_/	M	W-2

O

BH-33-S	mg/kg	SCO*	
[a]ANTHRACENE	2.7	1.0	
ZO[a]PYRENE	2.3	1.0	
BIFLUORANTHENE	3.2	1.0	
FLUORANTHENE	1.2	1.0	R.O
HRYSENE	2.2	1.0	0.0

E	PROJECT No : FILE NAME :	2015003 FIGURE3(SRIAA)	SHEET NO .:
SITE	SCALE: DATE: ENG'D BY:	AS NOTED DEC. 2015 DKM	FIGURE 3
YORK ork State Education Law.	DRAWN BY: CHECKED BY:	JMD DRV	© Plamley Engineering, P.C. 2015





— - R.O.W —	Right of Way
	Property Line
9	Street Address
130 630	Lead Results (mg/kg) (Exceeds Residential SCO of 400 mg/kg)

E	PROJECT No :		SHEET NO .:
1	FILE NAME.; SCALE: DATE:	AS NOTED JAN. 2015	FIGURE 5
YORK	ENG'D BY: DRAWN BY:		
YORK ork State Education Law.	CHECKED BY:	DRV	© Plumley Engineering, P.C. 2015

# TABLES

### TABLE 1 - SUMMARY OF SOIL ANALYTICAL RESULTS (VOCs) - JANUARY 2006

COMPOUND	Restricted Use Soil Cleanup Objective <sup>1</sup> (µg/kg)	20-S	20-D	21-S	21-D	22-S	22-D	23-8	24-S	24-D	25-S	25-D	26-8	27-8	27-D	28-S	28-D	29-S	29-D	<b>30-S</b>	32-8	32-D
1,2,4-Trimethylbenzene	47,000	1.4 J	<2.9	<2.9	<2.9	<2.9	<2.9	<6.7	<3.1	<3.5	<3.1	<3.1	<2.9	<3.3	<3.2	<2.9	<3.1	<2.9	<3.1	<3.2	<3.1	<2.9
1,3,5-Trimethylbenzene	47,000	0.76 J	<2.9	<2.9	<2.9	<2.9	<2.9	<6.7	<3.1	<3.5	<3.1	<3.1	<2.9	<3.3	<3.2	<2.9	<3.1	<2.9	<3.1	<3.2	<3.1	<2.9
2-Butanone	100,000	2.0 J	1.8 J	<12	<12	<12	<12	<27	<12	<14	<12	<12	<11	<13	<13	<11	<12	<11	<13	<13	<12	<12
Acetone	100,000	10 J	4.4 J	3.0 J	2.5 J	2.1 J	2.0 J	5.5 J	2.1 J	2.3 J	3.3 J	3.5 J	1.4 J	2.3 J	2.1 J	3.0 J	2.4 J	2.6 J	1.8 J	2.9 J	1.6 J	1.6 J
Carbon disulfide	NL	5.6	2.2 J	<2.9	0.66 J	<2.9	<2.9	<6.7	1.3 J	<3.5	<3.1	<3.1	0.73 J	<3.3	<3.2	<2.9	<3.1	<2.9	<3.1	1.9 J	<3.1	<2.9
Methylene chloride	51,000	1.4 J	1.4 J	0.95 J	0.72 J	0.68 J	<5.8	1.4 J	1.1 J	<7.0	1.5 J	0.80 J	0.62 J	<6.6	0.79 J	0.81 J	<6.2	<5.7	<6.3	5.1 J	1.4 J	4.5 J
Naphthalene	100,000	<5.7	<5.8	<5.8	<5.9	<5.9	<5.8	8.1 J	0.65 J	<7.0	<6.2	<6.2	<5.7	<6.6	<6.3	<5.7	<6.2	<5.7	<6.3	0.80 J	<6.2	<5.9
Tetrachloroethene	5,500	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<6.7	<3.1	<3.5	<3.1	<3.1	<2.9	<3.3	<3.2	0.57 J	<3.1	<2.9	<3.1	<3.2	4.7	21
Toluene	100,000	1.4 J	0.93 J	<2.9	<2.9	<2.9	<2.9	<6.7	<3.1	<3.5	<3.1	<3.1	0.61 J	<3.3	<3.2	<2.9	<3.1	<2.9	<3.1	1.9 J	<3.1	<2.9
Trichlorofluoromethane	NL	<5.7	<5.8	<5.8	<5.9	<5.9	<5.8	<13	<6.2	<7.0	<6.2	<6.2	<5.7	<6.6	<6.3	1.2 J	<6.2	<5.7	<6.3	<6.3	<6.2	<5.9
Xylenes (total)	100,000	2.7 J	0.98 J	<5.8	<5.9	<5.9	<5.8	<13	<6.2	<7.0	<6.2	<6.2	<5.7	<6.6	<6.3	<5.7	<6.2	<5.7	<6.3	<6.3	<6.2	<5.9

COMPOUND	Restricted Use Soil Cleanup Objective <sup>1</sup> (µg/kg)	34-8	34-D	35-S	35-D	36-S	36-D	37		1/11/06 Equip.	Trip Blank
1,2,4-Trimethylbenzene	47,000	<3.1	1.4 J	<3.1	<3.2	<2.6	<2.9	<3.0	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	47,000	<3.1	4.0	<3.1	<3.2	<2.6	<2.9	<3.0	<2.5	<2.5	<2.5
2-Butanone	100,000	<12	<11	<12	<13	<10	<10	<12	<10	<10	<10
Acetone	100,000	2.7 J	1.3 J	1.9 J	20 J	1.6 J	2.4 J	2.9 J	1.8 J	1.8 J	1.8 J
Carbon disulfide	NL	<3.1	<2.7	<3.1	<3.2	<2.6	<2.9	<3.0	<2.5	<2.5	<2.5
Methylene chloride	51,000	1.2 J	8.0	<6.1	<6.3	1.1 J	0.91 J	< 6.0	0.61 J	0.62 J	<5.0
Naphthalene	100,000	<6.1	1.3 J	<6.1	<6.3	<5.2	<5.7	< 6.0	<5.0	<5.0	<5.0
Tetrachloroethene	5,500	<3.1	<2.7	<3.1	<3.2	<2.6	<2.9	<3.0	<2.5	<2.5	<2.5
Toluene	100,000	0.76 J	<2.7	<3.1	<3.2	<2.6	<2.9	<3.0	<2.5	<2.5	<2.5
Trichlorofluoromethane	NL	<6.1	<5.4	<6.1	<6.3	<5.2	<5.7	< 6.0	<5.0	<5.0	<5.0
Xylenes (total)	100,000	<6.1	<5.4	<6.1	<6.3	<5.2	<5.7	<6.0	<5.0	<5.0	<5.0

Notes:

<sup>1</sup>New York Codes, Rules and Regulations, Title 6 (6 NYCRR), Part 375-6.8, *Restricted Use Soil Cleanup Objectives for Residential Protection of Public Health.* NL None Listed

µg/kg micrograms per kilogram, equivalent to parts per billion (ppb)

J Estimated Value

### TABLE 2 - SUMMARY OF SOIL ANALYTICAL RESULTS (SVOCs) - JANUARY 2006

COMPOUND	Restricted Use Soil Cleanup Objective <sup>1</sup> (µg/kg)	20-S	20-D	21-S	21-D	22-8	22-D	23-S	24-S	24-D	25-8	25-D	26-S	27-S	27-D	28-S	28-D	29-S	29-D
2-Methylnaphthalene	NL	1,100	190 J	<380	<390	220 J	86 J	1,100 J	350 J	<460	450	99 J	<380	73 J	<420	<38,000	<410	47 J	<410
4-Chloro-3-methylphenol	NL	<380	<380	<380	<390	<390	<380	<1,800	<410	<460	<410	<410	<380	<440	<420	<38,000	<410	<380	<410
4-Methyphenol	NL	<380	<380	<380	<390	<390	<380	<1,800	<410	<460	63 J	65 J	<380	<440	<420	<38,000	<410	<380	<410
Acenaphthene	100,000	<380	<380	<380	<390	<390	<380	<1,800	120 J	100 J	91 J	<410	<380	<440	<420	<38,000	<410	<380	<410
Acenaphthylene	100,000	<380	<380	<380	<390	60 J	<380	<1,800	220 J	280 J	1,000	100 J	<380	<440	<420	<38,000	<410	77 J	<410
Anthracene	100,000	64 J	<380	<380	66 J	88 J	92 J	<1,800	540	960	930	270 J	<380	<440	<420	<38,000	<410	130 J	<410
Benzo[a]anthracene	1,000	390	120 J	61 J	270 J	420	350 J	320 J	1,600	3,100	4,900	650	44 J	100 J	83 J	<38,000	<410	480	<410
Benzo[a]pyrene	1,000	400	120 J	74 J	280 J	480	460	320 J	1,600	2,600	5,400	590	39 J	110 J	110 J	<38,000	<410	470	<410
Benzo[b]fluoranthene	1,000	700	190 J	120 J	430	850	690	690 J	2,400	2,700	8,000	810	62 J	190 J	120 J	<38,000	<410	730	<410
Benzo[g,h,i]perylene	100,000	220 J	73 J	49 J	15 J	270 J	260 J	230 J	820	1,100	2,700	270 J	<380	70 J	<420	<38,000	<410	230 J	<410
Benzo[k]fluoranthene	1,000	200 J	63 J	<380	170 J	270 J	240 J	180 J	920	1,100	2,900	300 J	<380	61 J	43 J	<38,000	<410	280 J	<410
bis(2-Ethylhexyl)phthalate	NL	100 J	71 J	43 J	53 J	160 J	140 J	<1,800	260 J	100 J	250 J	<410	120 J	72 J	<420	<38,000	<410	180 J	<410
Chrysene	1,000	650	150 J	81 J	350 J	540	420	540 J	1,700	3,000	5,100	630	47 J	120 J	76 J	<38,000	45 J	560	<410
Di-n-butyl phthalate	NL	76 J	88 J	56 J	60 J	58 J	<380	<1,800	<410	56 J	51 J	<410	<380	52 J	<420	<38,000	<410	110 J	<410
Dibenz[a,h]anthracene	330	72 J	<380	<380	49 J	75 J	69 J	<1,800	270 J	280 J	970	77 J	<380	<440	<420	<38,000	<410	81 J	<410
Dibenzofuran	NL	300 J	56 J	<380	<390	76 J	45 J	<1,800	270 J	<460	310 J	81 J	<380	<440	<420	<38,000	<410	49 J	<410
Fluoranthene	100,000	760	210 J	120 J	570	690	550	400 J	2,900	5,700	6,100	1,500	72 J	150 J	57 J	<38,000	<410	1,200	<410
Fluorene	100,000	<380	<380	<380	<390	<390	42 J	<1,800	220 J	160 J	190 J	69 J	<380	<440	<420	<38,000	<410	53 J	<410
Indeno[1,2,3-cd]pyrene	500	140 J	60 J	40 J	110 J	150 J	170 J	<1,800	490	780	1,700	200 J	<380	<440	<420	<38,000	<410	160 J	<410
Naphthalene	100,000	590	120 J	<380	<390	180 J	84 J	320 J	330 J	<460	600	160 J	<380	84 J	<420	<38,000	<410	43 J	<410
Phenanthrene	100,000	1,200	190 J	50 J	370 J	480	400	900 J	2,300	3,300	3,000	1,000	54 J	130 J	<420	<38,000	<410	820	<410
Phenol	100,000	<380	<380	<380	<390	40 J	<380	<1,800	55 J	<460	100 J	<410	<380	<440	<420	<38,000	<410	<380	<410
Pyrene	100,000	750	180 J	100 J	470	680	520	560 J	3,200	6,000	5,700	1,200	66 J	180 J	63 J	<38,000	<410	1,100	<410

### TABLE 2 - SUMMARY OF SOIL ANALYTICAL RESULTS (SVOCs) - JANUARY 2006

COMPOUND	Restricted Use Soil Cleanup Objective <sup>1</sup> (µg/kg)	30-S	32-S	32-D	33-8	34-8	34-D	35-S	35-D	36-S	36-D	37	1/10 EB	1/11 EB
2-Methylnaphthalene	NL	<21,000	<410	<390	180 J	<20,000	760	<400	<420	<1,700	<370	400	<11	<11
4-Chloro-3-methylphenol	NL	<21,000	<410	<390	<390	<20,000	<360	<400	<420	<1,700	<370	120 J	<11	<11
4-Methylphenol	NL	<21,000	<410	<390	<390	<20,000	590	<400	<420	<1,700	<370	<390	<11	<11
Acenaphthene	100,000	<21,000	<410	<390	400 J	<20,000	<360	<400	<420	<1,700	<370	<390	<11	<11
Acenaphthylene	100,000	<21,000	<410	<390	150 J	<20,000	<360	<400	<420	<1,700	<370	<390	<11	<11
Anthracene	100,000	<21,000	<410	<390	1,100	<20,000	<360	<400	<420	<1,700	<370	<390	<11	<11
Benzo[a]anthracene	1,000	<21,000	75 J	71 J	2,700	<20,000	45 J	68 J	<420	<1,700	<370	130 J	<11	<11
Benzo[a]pyrene	1,000	<21,000	83 J	73 J	2,300	<20,000	62 J	55 J	<420	<1,700	<370	150 J	<11	<11
Benzo[b]fluoranthene	1,000	2,400 J	140 J	120 J	3,200	<20,000	94 J	86 J	<420	<1,700	<370	280 J	<11	<11
Benzo[g,h,i]perylene	100,000	<21,000	48 J	<390	790	<20,000	65 J	<400	<420	<1,700	<370	75 J	<11	<11
Benzo[k]fluoranthene	1,000	<21,000	58 J	<390	1,200	<20,000	<360	<400	<420	<1,700	<370	93 J	<11	<11
UIS(2- Ethylhoxyl)phtholoto	NL	<21,000	53 J	<390	76 J	<20,000	190 J	<400	69 J	<1,700	<370	160 J	<11	<11
Chrysene	1,000	<21,000	120 J	79 J	2,200	<20,000	75 J	63 J	<420	<1,700	<370	210 J	<11	<11
Di-n-butyl phthalate	NL	<21,000	<410	<390	57 J	<20,000	370	<400	<420	<1,700	38 J	280 J	<11	<11
Dibenz[a,h]anthracene	330	<21,000	<410	<390	290 J	<20,000	<360	<400	<420	<1,700	<370	<390	<11	<11
Dibenzofuran	NL	<21,000	<410	<390	270 J	<20,000	73 J	<400	<420	<1,700	<370	48 J	<11	<11
Fluoranthene	100,000	3,500 J	170 J	95 J	5,400	<20,000	83 J	130 J	<420	<1,700	<370	320 J	<11	<11
Fluorene	100,000	<21,000	<410	<390	440	<20,000	<360	<400	<420	<1,700	<370	<390	<11	<11
Indeno[1,2,3-cd]pyrene	500	<21,000	<410	<390	440	<20,000	<360	<400	<420	<1,700	<370	50 J	<11	<11
Naphthalene	100,000	<21,000	<410	<390	280 J	<20,000	2,700	<400	<420	<1,700	<370	1,500	<11	<11
Phenanthrene	100,000	3,900 J	100 J	49 J	3,300	<20,000	480	110 J	<420	<1,700	<370	310 J	<11	<11
Phenol	100,000	6,400 J	<410	<390	<390	<20,000	47,000	<400	<420	<1,700	<370	860	<11	<11
Pyrene	100,000	3,700 J	200 J	90 J	5,100	<20,000	140 J	100 J	<420	<1,700	<370	280 J	<11	<11

Notes:

<sup>1</sup>New York Codes, Rules and Regulations, Title 6 (6 NYCRR), Part 375-6.8, *Restricted Use Soil Cleanup Objectives for Residential Protection of Public Health*. NL None Listed

µg/kg micrograms per kilogram, equivalent to parts per billion (ppb)

J Estimated Value

Concentrations exceeding soil cleanup objectives denoted in **BOLD**.

### TABLE 3 - SUMMARY OF SOIL ANALYTICAL RESULTS (METALS) - JANUARY 2006

COMPOUND	Restricted Use Soil Cleanup Objective <sup>1</sup> (mg/kg)	20-S	20-D	21-S	21-D	22-S	22-D	23-S	24-S	24-D	25-S	25-D	26-S	27-S	27-D	28-S	28-D
Aluminum	NL	4,900	8,200	6,400	4,900	5,100	5,100	2,400	9,300	19,000	4,800	6,500	6,800	5,300	12,000	5,500	10,000
Antimony	NL	0.74 J	0.91 J	<6.9	0.49 J	1.0 J	0.38 J	0.73 J	0.74 J	<8.4	1.2 J	<7.5	0.60 J	0.30 J	<7.6	3.2 J	0.29 J
Arsenic	16	9.3	6.4	2.8	7.4	9.6	8.9	6.6	10	5.5	10	6.1	5.2	3.5	6.5	7.5	
Barium	350	63	63	220	110	85	160	4.6	140	210	110	100	49	40	99	130	74
Beryllium	14	0.39 J	0.60 J	0.32 J	0.32 J	0.35 J	0.44 J	0.29 J	0.69 J	1.3 J	0.44 J	0.57 J	0.37 J	0.28 J	0.65 J	0.29 J	.050 J
Cadmium	2.5	0.055 J	0.030 J	1.0 J	<1.2	1.3	0.24 J	0.34 J	0.99 J	0.52 J	1.4	0.19 J	0.30 J	0.24 J	0.17 J	0.67 J	0.25 J
Calcium	NL	97,000	40,000	200,000	130,000	63,000	38,000	130,000	12,000	5,000	35,000	12,000	25,000	22,000	5,600	35,000	10,000
Chromium	36	10	12	8.6	9.4	20	11	8.1	18	24	22	9.3	12	11	20	30	15
Cobalt	NL	5.2 J	5.0 J	3.3 J	3.4 J	4.6 J	5.1 J	3.0 J	6.9	12	5.1 J	6.6	3.8 J	2.6 J	8.9	4.4 J	6.8
Copper	270	25	18	6.0	12	53	25	25	38	24	91	21	14	13	25	53	62
Iron	NL	39,000	42,000	8,200	18,000	29,000	14,000	9,700	22,000	24,000	33,000	13,000	38,000	14,000	23,000	35,000	19,000
Lead	400	69	28	21	15	320	150	160	290	27	370	58	25	53	74	120	98
Magnesium	NL	17,000	8,200	61,000	19,000	19,000	9,200	6,100	3,100	4,100	7,300	3,100	3,600	3,700	4,100	8,000	3,200
Manganese	2,000	500	1,200	300	280	560	330	310	470	1,400	430	550	810	240	510	560	670
Nickel	140	15	12	12	10	19	13	12	17	27	17	14	9.7	8.6	18	26	14
Potassium	NL	1,300	1,300	2,200	1,600	1,100	940	920	1,700	5,000	990	1,600	950	800	1,900	810	1,100
Selenium	36	1.1	0.77 J	< 0.58	0.41 J	1.2	0.68	0.73	1.8	0.96	2.3	3.2	1.1	0.48 J	1.2	1.1	0.63
Silver	36	<1.1	0.11 J	<1.2	<1.2	0.43 J	0.54 J	0.12 J	0.15 J	<1.4	0.22 J	0.34 J	<1.1	<1.3	<1.3	0.23 J	<1.2
Sodium	NL	480	390	250	170	77 J	77 J	96 J	190	100 J	220	74 J	160	150	83 J	140	80 J
Thallium	NL	0.51 J	1.4 J	0.68 J	0.31 J	<1.2	<1.2	<1.1	0.47 J	1.8	0.36 J	0.30 J	0.69 J	<1.3	1.2 J	0.40 J	0.68 J
Vanadium	NL	18	23	10	15	14	16	14	21	34	16	15	21	13	27	25	24
Zinc	2,200	31	35	91	39	290	100	100	190	73	520	57	51	85	97	160	110
Mercury	0.81	0.43	0.086 J	0.11 J	0.060 J	0.39	1.0	0.11	0.46	0.12 J	1.2	0.52	0.039 J	0.057 J	0.39	0.16	0.29

### TABLE 3 - SUMMARY OF SOIL ANALYTICAL RESULTS (METALS) - JANUARY 2006

COMPOUND	Restricted Use Soil Cleanup Objective <sup>1</sup> (mg/kg)	29-S	29-D	30-S	32-8	32-D	33-S	34-S	34-D	35-S	35-D	36-S	36-D	37	1/10 EB (mg/L)	1/11 EB (mg/L)
Aluminum	NL	5,000	12,000	4,900	12,000	6,100	6,500	3,500	680	17,000	19,000	2,300	5,300	2,200	0.036 J	0.034 J
Antimony	NL	<6.8	<7.5	3.3 J	0.89 J	0.25 J	3.4 J	0.34 J	<6.5	0.23 J	<7.6	<6.2	0.53 J	1.8 J	< 0.06	< 0.06
Arsenic	16	3.4	5.0	13	11	5.9	10	5.5	0.78	6.8	6.4	3.8	4.2	6.1	< 0.005	< 0.005
Barium	350	39	86	260	110	64	77	120	5.8 J	110	130	6.0 J	48	31 J	0.00043 J	< 0.01
Beryllium	14	0.24 J	0.71 J	0.28 J	0.59 J	0.36 J	0.33 J	0.27 J	0.052 J	0.96 J	0.93 J	0.29 J	0.44 J	0.18 J	< 0.01	< 0.01
Cadmium	2.5	0.029 J	0.13 J	2.6 J	0.32 J	0.25 J	0.43 J	1.5	0.049 J	0.071 J	0.21 J	<1.0	0.093 J	1.1 J	0.00030 J	< 0.01
Calcium	NL	36,000	11,000	47,000	35,000	6,900	48,000	6,600	480	59,000	4,300	280,000	23,000	23,000	0.045 J	0.026 J
Chromium	36	9.4	17	70	23	9.3	18	48	2.1	23	25	5.1	19	95	< 0.01	< 0.01
Cobalt	NL	2.3 J	9.7	6.2 J	8.4	4.1 J	3.8 J	3.0 J	0.50 J	14	11	9.0	3.8 J	6.3 J	< 0.05	< 0.05
Copper	270	14	16	150	61	43	41	64	2.8	27	21	9.3	40	95	< 0.01	< 0.01
Iron	NL	14,000	22,000	67,000	59,000	18,000	48,000	35,000	4,400	29,000	30,000	6,200	29,000	63,000	< 0.05	< 0.05
Lead	400	25	33	590	150	40	170	110	3.3	16	53	3.2	14	200	< 0.005	< 0.005
Magnesium	NL	9,100	5,100	6,300	6,600	2,700	5,900	1,800	290	9,500	5,400	14,000	2,400	4,700	<1.0	<1.0
Manganese	2,000	310	810	550	580	260	460	380	41	500	540	460	870	550	< 0.05	< 0.05
Nickel	140	7.8	16	50	22	8.7	12	40	1.7 J	37	28	21	12	78	0.0013 J	< 0.05
Potassium	NL	830	1,200	850 J	1,800	820	1,200	420 J	94 J	2,900	2,000	1,500 J	670	430 J	<5.0	<5.0
Selenium	36	< 0.57	0.83	<3.2	2.3	0.58 J	1.7	0.97	< 0.54	0.88	0.90	< 0.52	0.54 J	<3.0	< 0.005	< 0.005
Silver	36	<1.1	0.18 J	0.71 J	0.12 J	0.20 J	0.15 J	0.31 J	<1.1	<1.2	<1.3	<1.0	0.12 J	<6.0	0.0015 J	< 0.01
Sodium	NL	90 J	140	220 J	150	100 J	120	260	65 J	65 J	39 J	160	150	51 J	0.025 J	0.0059 J
Thallium	NL	<1.1	1.0 J	<6.3	1.2	0.67 J	0.49 J	0.70 J	<1.1	0.26 J	2.0	<5.2	0.92 J	2.2 J	< 0.01	< 0.01
Vanadium	NL	14	27	28 J	38	18	18	9.0	1.8 J	31	34	8.0	18	7.6 J	< 0.05	< 0.05
Zinc	2,200	45	59	610	1,200	89	240	300	12	68	62	27	27	140	< 0.01	< 0.01
Mercury	0.81	0.042 J	0.24	0.59	0.16	0.093 J	0.15	0.12 J	0.018 J	0.037 J	0.060 J	0.018 J	0.075 J	0.14	< 0.0002	< 0.0002

Notes:

<sup>1</sup>New York Codes, Rules and Regulations, Title 6 (6 NYCRR), Part 375-6.8, *Restricted Use Soil Cleanup Objectives for Residential Protection of Public Health*.

NL None Listed

mg/kg milligrams per kilogram, equivalent to parts per million (ppm)

J Estimated Value

Concentrations exceeding soil cleanup objectives denoted in **BOLD**.

#### **TABLE 4 - SUMMARY OF 2005 RESIDENTIAL SOIL SAMPLING**

	Arsenic	Lead	Zinc	
SAMPLE NUMBER	(As)	( <b>Pb</b> )	(Zn)	PREVIOUS RESULTS
NYSDEC SCO <sup>1</sup>	16	400	2,200	
8 Jackson Street –1	43	564	280	
8 Jackson Street –2	41.4	746	747	
12 Jackson Street –1	23.2	507	304	
12 Jackson Street –2	20.1	255	158	
16 Jackson Street –1	21.4	1,940	2,330	
16 Jackson Street –2	9.8	381	182	
28/30 Jackson Street -1	11	265	257	
28/30 Jackson Street –2	9.4	273	178	
34 Jackson Street –1	13.7	343	345	As: 10.2-26.9 Pb: 265-588 Zn: 279-628
34 Jackson Street –2	81.1	639	417	
40 Jackson Street –1	16.9	681	953	As: 23.2 Pb: 471 Zn: 723
40 Jackson Street –2	13.4	624	633	
26 Lewis Street –1	53	340	210	
26 Lewis Street –2	14	380	340	
28 Lewis Street –1	23	570	270	
34 Lewis Street –1	12	310	420	
34 Lewis Street – 2	7.4	78	94	
38 Lewis Street – 1	21	450	560	
38 Lewis Street –2	63	520	230	
50 Lewis Street –1	41	350	180	
50 Lewis Street –2	61	450	210	
90 Center Street – 1	27.3	573	398	As: 25.6 Pb: 760 Zn: 840
90 Center Street – 2	33.2	507	579	
130 Exchange Street –1	64.3	348	114	
130 Exchange Street – 2	51	275	132	
160 Exchange Street –1	19.7	142	128	
160 Exchange Street –2	9.3	158	286	
166 Exchange Street –1	14	360	410	
166 Exchange Street –2	5.2	85	120	
195 Exchange Street –1	6.8	193	214	As: 22.2 Pb: 646 Zn: 679
195 Exchange Street –2	8.3	130	105	
201/203 Exchange Street –1	13.2	347	449	
201/203 Exchange Street –2	6.8	353	234	
234 Exchange Street –1	20	830	820	As: 17-38.6 Pb: 667-1, 210 Zn: 631-949
234 Exchange Street –2	<b>59</b>	490	310	
14 Middle Street –1	8.7	380	1,500	
14 Middle Street –2	6.7	170	210	
16 Middle Street –1	8.6	300	540	
16 Middle Street –2	6.2	170	200	l
18 Middle Street –1	11	830	910	
18 Middle Street –2	3	29	57	
17 Genesee Park Place – 1	<u>90</u>	560	210	
17 Genesee Park Place –2	17	310	290	

#### **TABLE 4 - SUMMARY OF 2005 RESIDENTIAL SOIL SAMPLING**

SAMDLE NUMBED	Arsenic	Lead	Zinc	DDEVIOUS DESULTS
SAMPLE NUMBER	(As)	( <b>Pb</b> )	(Zn)	PREVIOUS RESULTS
25 Genesee Park Place –1	150	350	87	
25 Genesee Park Place –2	14	220	160	
73 Genesee Street –1	8.9	261	250	
73 Genesee Street –2	27	630	310	
77 Genesee Street –1	34	500	340	
77 Genesee Street –2	15	180	130	
81 Genesee Street –1	38	410	200	
81 Genesee Street –2	16	170	170	
87/89 Genesee Street -1	38	440	180	
87/89 Genesee Street -2	8.1	110	140	
91 Genesee Street –1	110	630	180	
91 Genesee Street – 2	13	330	180	
9 State Street – 1	30.9	342	266	
11 State Street – 1	25.4	379	357	
11 State Street – 2	7.3	76.1	94.3	
21 State Street – 1	17	374	508	As: 15.4-15.9, Pb: 376-491, Zn: 719-741
21 State Street – 2	49.2	435	379	
23 State Street – 1	34	435	375	
23 State Street – 2	25.6	234	199	
29 State Street – 1	39.2	447	414	
29 State Street – 2	11.8	122	154	
31 State Street – 1	14.6	562	388	
31 State Street – 2	14.8	407	173	
35 State Street – 1	11.9	220	221	
35 State Street – 2	66.7	427	199	
41 State Street – 1	14.9	225	203	
41 State Street – 2	74.6	561	317	
47 State Street – 1	11.9	233	284	
47 State Street – 2	11.4	266	216	
49 State Street – 1	7.9	106	90.8	
49 State Street – 2	6.1	213	121	
50 State Street – 1	5.7	26.7	73	
50 State Street – 2	30.1	227	384	
67 State Street – 1	61.1	2,120	963	
67 State Street – 2	53.8	262	115	
75 State Street – 1	92	560	130	
75 State Street – 2	14	300	280	
81 State Street – 1	28.6	429	325	
81 State Street – 2	24.3	249	138	

#### Notes:

<sup>1</sup>New York Codes, Rules and Regulations, Title 6 (6 NYCRR), Part 375-6.8, *Soil Cleanup Objectives for Residential Use*. Results are measured in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm). Concentrations exceeding soil cleanup objectives denoted in **BOLD**.

#### **TABLE 5 - SUMMARY OF 2006 RESIDENTIAL SOIL SAMPLING**

SAMPLE NUMBER	Lead (Pb)	2005 Results	COMMENTS <sup>1</sup>
NYSDEC SCO <sup>1</sup>	400		
16 Jackson-3	340		
16 Jackson-4	370		
16 Jackson-5	1,400	1.040/201	Average of 2005/2006 Results: 860
16 Jackson-6	970	1,940/381	
16 Jackson-7	660		
16 Jackson-8	820		
30 Jackson-3	720		
30 Jackson-4	330		
30 Jackson-5	990	265/273	Average of $2005/2006$ results: <b>470</b>
30 Jackson-6	550	203/273	Average of 2005/2006 results: <b>470</b>
30 Jackson-7	250		
30 Jackson-8	380		
40 Jackson-3	470		
40 Jackson-4	790		
40 Jackson-5	730	681/624	Previous Result: 471
40 Jackson-6	620	001/024	Average of 2005/2006 Results: 673
40 Jackson-7	630		
40 Jackson-8	840		
47 State-3	360		
47 State-4	420		
47 State-5	110	233/266	Average of 2005/2006 Results: 257
47 State-6	140	233/200	Average of 2005/2000 Results. 257
47 State-7	320		
47 State-8	210		
67 State-3	420		
67 State-4	300		
67 State-5	630	<b>2,120</b> /262	Average of 2005/2006 Results: 650
67 State-6	710	2,120/202	Average of 2005/2000 Results. 050
67 State-7	290		
67 State-8	470		
234 Exchange-3	1,300		
234 Exchange-4	2,000		
234 Exchange-5	760	830/490	Previous Results: 667-1, 210
234 Exchange-6	880	000/170	Average of 2005/2006 Results: 988
234 Exchange-7	640		
234 Exchange-8	1,000		
Average	633		
Average ± Two Standard	1,392		

Notes:

<sup>1</sup>6NYCRR, Part 375-6.8, Soil Cleanup Objectives for Residential Use.

Results are measured in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm). Concentrations exceeding soil cleanup objectives denoted in **BOLD**.

### TABLE 6 - ANALYSIS OF ON-SITE ALTERNATIVES

Criteria	Alternative 1	Alternative 2	Alternative 3
Description of Alternative	<ul> <li>No Action</li> <li>Removal of slabs and foundations</li> <li>Regrade</li> <li>IC/ECs</li> <li>No remediation of residual contaminants</li> </ul>	<ul> <li>Remediation to Restricted Use for Industrial SCOs</li> <li>Removal of slabs and foundations</li> <li>Excavation &amp; off-site disposal of selected areas</li> <li>Placement of clean fill</li> <li>IC/ECs</li> </ul>	<ul> <li>Remediation to Restricted Use for Residential</li> <li>SCOs</li> <li>Removal of slabs and foundations</li> <li>Excavation &amp; off-site disposal of selected areas</li> <li>Placement of clean fill</li> </ul>
1. Protection of Public Health and Environment	Access agreements would reduce but not eliminate the potential for direct human contact exposure. Burrowing vertebrates and invertebrates would also be exposed.	Removal of selected source areas and soil cover across the site would minimize the potential for direct human and ecological contact exposure. However, due to the higher SCOs, the potential for exposure would be greater than for Alternatives 3 and 4.	The potential for exposure would be less than f Alternatives 1 and 2, but greater than for Alternative 4.
2. Compliance with SCGs	Compliance would not be achieved.	Compliance with the Industrial SCOs would be achieved.	Compliance with the residential SCOs would bachieved.
3. Long-term Effectiveness and Permanence	Impacted soils would remain but contaminant migration would be minimal.	Impacted soils would remain, with reduced potential for migration.	Further remediation would be provided as compared to Alternative 2, but less than Alternative 4.
4. Reduction of Toxicity, Mobility or Volume with Treatment	No reduction.	Substantial reduction through removal of significantly impacted soils.	Further reduction in toxicity and volume as compared to Alternatives 1 and 2.
5. Short-term Effectiveness	Dust control measures and personal protection equipment would be necessary during construction.	Dust control measures and personal protection equipment would be necessary during construction. Remediation would be completed in the short-term with off-site disposal of	Dust control measures and personal protection equipment would be necessary during construction. Remediation would be completed in the short-term with off-site disposal of
6. Implementability	Easily implementable.	Easily implementable.	Easily implementable.
7. Cost	\$20,320	\$130,078	\$242,697
8. Community Acceptance	Community participation is ongoing	Community participation is ongoing	Community participation is ongoing

Note: Costs were taken from 2007 report and adjusted assumming 3% annual inflation.

	Alternative 4
al	Remediation to Unrestricted SCOs
	• Removal of slabs and foundations
	• Excavation & off-site disposal of selected
cted	areas
	• Placement of clean fill
	• IC/ECs
nan for	Removal of soils exceeding SCOs would eliminate the potential for direct human and ecological contact exposure.
uld be	Compliance with the strictest SCOs would be met.
	Remediation would be the most effective of the alternatives.
s	This alternative would provide the greates reduction in toxicity and volumes of the alternatives.
tion	Dust control measures and personal protection
	equipment would be necessary during
leted	construction.
	Remediation would be completed in the short-
	Implementation would be more difficult due to
	greater need to delineate the extent of
	excavations, as well as increased site activities
	over a longer time period.
	\$1,071,406
	Community participation is ongoing

# ATTACHMENTS

# ATTACHMENT 1 ANALYTICAL RESULTS

### Life Science Laboratories, Inc.

**Analytical Results** 

2000	DTILLOHINE	nd Parkway,	Suite 200	
East	Syracuse	NV 12057	inn	4.24

CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	eers, Inc.			Lab ID: Client San Collection Date Rece	Date:	0601049 BH-20- 01/11/06 01/12/06	<b>S</b> 7:55
Inst. ID:         MS03 10           ColumnID:         Rtx-VMS           Revision:         01/20/06 9:58:21 A	Sample Size: %Moisture: TestCode:		GML	PrepDate: BatchNo: FileID:		R4188 1-SAMP-	
Analyte	Result Qua	I PQL		MDL	Units	DF	Date Analyz
VOLATILE ORGANIC COMPOUND	S BY GC/MS		SWE	3260B		-	
1,1,1,2-Tetrachloroethane	ND	2.9		0.13	µg/Kg-(	drý 1	01/16/06 12:40
1,1,1-Trichloroethane	ND	2.9		0.11	µg/Kg⊣	-	01/16/06 12:40
1,1,2,2-Tetrachloroethane	· ND	2.9		0.18	µg/Kg⊣	-	01/16/06 12:40
1,1,2-Trichloro-1,2,2- trifluoroethane	ND	2.9		0.11	µg/Kg-(	-	01/16/06 12:40
1,1,2-Trichloroethane	ND	2.9		0.13	μg/Kg-α	iry 1	01/16/06 12:40
1,1-Dichloroethane	ND	2.9		0.11	µg/Kg-∢		01/16/06 12:40
I,1-Dichloroethene	ND	2.9	1	0.16	µg/Kg-c	-	01/16/06 12:40
,1-Dichloropropene	ND	2.9	. 1	0.11	µg/Kg-c	-	01/16/06 12:40
,2,3-Trichlorobenzene	ND	5.7		0,57	µg/Kg-c	-	01/16/06 12:40
,2,3-Trichloropropane	ND	2.9	(	0.19	µg/Kg-a	-	01/16/06 12:40
2,4-Trichlorobenzene	ND	5.7		0.39	µg/Kg-d	-	01/16/06 12:40
2,4-Trimethylbenzene	1.4 J	2.9	(	0.13	µg/Kg-d	•	01/16/06 12:40
2-Dibromo-3-chloropropane	ND	5.7	(	0.46	µg/Kg-d		01/16/06 12:40
2-Dibromoethane	ND	2.9	(	0.10	µg/Kg-d	•	01/16/06 12:40
2-Dichlorobenzene	ND	2.9	` (	).10	µg/Kg-d	-	01/16/06 12:40
2-Dichloroethane	ND	2.9		).11	µg/Kg-d	•	01/16/06 12:40
2-Dichloropropane	ND	2.9		).09	µg/Kg-d		01/16/06 12:40
3,5-Trimethylbenzene	0.76 J	2.9		).10	µg/Kg-d	•	01/16/06 12:40
3-Dichlorobenzene	ND	2.9		),11	µg/Kg-d	-	01/16/06 12:40
3-Dichloropropane	ND	2.9		.09	µg/Kg-d	-	01/16/06 12:40
4-Dichlorobenzene	ND	2.9		.15	µg/Kg-d	•	01/16/06 12:40
2-Dichloropropane		2.9		).10	⊸ μg/Kg-di	-	01/16/06 12:40
Butanone		11		.16	µg/Kg-di	•	01/16/06 12:40
Chlorotoluene		2.9		.08	µg/Kg-di		01/16/06 12:40
Hexanone		5.7		.25	µg/Kg-di		
Chlorotoluene	• •	2.9		.18	µg/Kg-di		01/16/06 12:40
Methyl-2-pentanone		5.7		.28	µg/Kg-di µg/Kg-di		01/16/06 12:40
etone		11		.45	_		01/16/06 12:40
nzene		2.9		.10	µg/Kg-dr	-	01/16/06 12:40
mobenzene	-	2.9		.17.	µg/Kg-dr	-	01/16/06 12:40
mochloromethane		2.9		.18	µg/Kg-dr	-	01/16/06 12:40
modichloromethane	•	2.9		.09	µg/Kg-dr	-	01/16/06 12:40
pmoform		2.9		.07	µg/Kg-dr	-	01/16/06 12:40
omomethane		5.7		34	µg/Kg-dr µg/Kg-dr	· ·	01/16/06 12:40 01/16/06 12:40
Pualifiers: B Analyte detected in the a H Holding times for prepar ND Not Detected at the Prac S Spike Recovery outside	ration or analysis exc tical Quantitation Lin	eeded		J Analyte de	tected below	w the POL	pration range xceeds limit

S Spike Recovery outside accepted recovery limits

Print Date: 01/20/06 10:10

## LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

Project: W Order:	O'Brien & Gere Engir Geneva Foundry 0601049 SOIL	eers, Inc.	nc.		Lab ID:         0601049-001A           Client Sample ID:         BH-20-S           Collection Date:         01/11/06 7:55           Date Received:         01/12/06 7:50				
ColumnID:	MS03 10 Rtx-VMS 01/20/06 9:58:21 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:		188 SAMP-J8	21 <b>2.D</b>		
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyze		
VOLATILE O		S BY GC/MS	SM	/8260B					
Carbon disulfid	=	5.6	2.9	0.07	µg/Kg-dry	1	01/16/06 12:40		
Carbon tetrachi	oride	ND	2.9	0.13	µg/Kg-dry	1	01/16/06 12:40		
Chlorobenzene		ND	2.9	0.10	µg/Kg-dry		01/16/06 12:40		
Chloroethane		ND	5.7	0.33	µg/Kg-dry	1	01/16/06 12:40		
Chloroform	· .	ND	2.9	0.05	µg/Kg-dry		01/16/06 12:40		
Chloromethane		ND	5.7	0.44	µg/Kg-dry		01/16/06 12:40		
cis-1,2-Dichloro		ND	2.9	0.13	µg/Kg-dry		01/16/06 12:40		
cis-1,3-Dichloro	propene	ND	2.9	0.10	µg/Kg-dry	1	01/16/06 12:40		
Dibromochloron	nethane	ND	2,9	0.15	µg/Kg-dry	1	01/16/06 12:40		
Dibromomethar	18 1	ND	2.9	0.13	µg/Kg-dry	1	01/16/06 12:40		
Dichlorodifluoro	methane	ND	5.7	0.09	µg/Kg-dry	1	01/16/06 12:40		
Ethylbenzene		ND	2.9	0.11	µg/Kg-dry	1	01/16/06 12:40		
lexachlorobuta	diene	ND	5.7	0.45	µg/Kg-dry	1	01/16/06 12:40		
sopropyibenzei	ne	ND	2.9	0.09	µg/Kg-dry	1	01/16/06 12:40		
Methyl tert-buty		ND	2.9	0.08	µg/Kg-dry	1	01/16/06 12:40		
lethylene chlor	ide <sub>.</sub>	1.4 J	5.7	0.46	µg/Kg-dry	1	01/16/06 12:40		
-Butylbenzene	•	ND	2.9	0.14	µg/Kg-dry	1	01/16/06 12:40		
I-Propylbenzen	e	• ND	2.9	0.10	µg/Kg-dry	1	01/16/06 12:40		
Naphthalene	•	ND	5.7	0.42	µg/Kg-dry	1	01/16/06 12:40		
-Isopropyltolue	ne	ND	2.9	0.10	µg/Kg-dry	1	01/16/06 12:40		
ec-Butylbenze	ne -	· ND	2.9	0.15	µg/Kg-dry	1 <sup>·</sup>	01/16/06 12:40		
styrene		ND	2.9	0.11	µg/Kg-dry	1	01/16/06 12:40		
a <b>rt-Butylben</b> zer		ND	2.9	0.15	µg/Kg-dry		01/16/06 12:40		
etrachloroethe	ne	ND	2.9	0.16	µg/Kg-dry	.1	01/16/06 12:40		
oluene		1.4 J	2.9	0.14	µg/Kg-dry		01/16/06 12:40		
ans-1,2-Dichlo		ND	2.9	0.11	µg/Kg-dry	1	01/16/06 12:40		
ans-1,3-Dichlo	ropropene	ND	2.9	0.10	µg/Kg-dry	1	01/16/06 12:40		
richloroethene		· ND	2.9	0.13	µg/Kg-dry		01/16/06 12:40		
richlorofluorom	ethane	ND	5.7	0.09	µg/Kg-dry		01/16/06 12:40		
inyl chloride		ND	5.7	0.09	µg/Kg-dry		01/16/06 12:40		
ylenes (total)		2.7 J	5.7	0.21	µg/Kg-dry	1	01/16/06 12:40		
Sur: 1,2-Dich	loroethane-d4	89.6	71-128	0.15	%REC	1	01/16/06 12:40		
Sur: 4-Bromo	ofluorobenzene	53.3 S	59-125	0.10	%REC	1	01/16/06 12:40		
Surr: Dibromo	ofluoromethane	96.6	40-156	0.21	%REC	1	01/16/06 12:40		
Surr: Toluene	-d8	82.2	75-125	0.14	%REC	1	01/16/06 12:40		

ND Not Detected at the Practical Quantitation Limit (PQL)

P Prim./Conf. column %D or RPD exceeds limit

**Analytical Results** 

CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	eers, Inc.		Lab ID: Client Sam Collection I Date Receiv		5
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: FileID:	R4249 1-RA-J8259.D	٠ ٦
Analyte	Result Qua		MDL	Units DF	Date Analyzed
VOLATILE ORGANIC COMPOUND	S BY GC/MS	SW	8260B		
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 15:23
1,1,1-Trichloroethane	ND	2.9	0.11	μg/Kg-dry 1	01/18/06 15:23
1,1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry 1	01/18/06 15:23
1,1,2-Trichloro-1,2,2- trifluoroethane	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 15:23
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 15:23
I,1-Dichloroethane	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 15:23
I,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry 1	01/18/06 15:23
I,1-Dichloropropene	ND	<b>2.9</b>	0.11	µg/Kg-dry 1	01/18/06 15:23
,2,3-Trichlorobenzene	ND	5.7	0.57	µg/Kg-dry 1	01/18/06 15:23
,2,3-Trichloropropane	ND	2.9	0.19	µg/Kg-dry 1	01/18/06 15:23
,2,4-Trichlorobenzene	ND	5.7	0.39	µg/Kg-dry 1	01/18/06 15:23
,2,4-Trimethylbenzene	0.77 J	2.9	0.13	µg/Kg-dry 1	01/18/06 15:23
,2-Dibromo-3-chloropropane	ND	5.7	0.46	µg/Kg-dry 1	01/18/06 15:23
,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry 1	01/18/06 15:23
,2-Dichlorobenzene	, ND	2. <del>9</del>	0.10	µg/Kg-dry 1	01/18/06 15:23
,2-Dichloroethane	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 15:23
,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry 1	01/18/06 15:23
,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry 1	01/18/06 15:23
,3-Dichtorobenzene	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 15:23
,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry 1	01/18/06 15:23
4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry 1 ·	01/18/06 15:23
2-Dichloropropane	• • • • • • • • • • • •		0.10	ω μg/Kg-dry 1	01/18/06 15:23
-Butanone	2.1 J	· 11	0.16	µg/Kg-dry 1	01/18/06 15:23
Chiorotoluene	ND	2.9	0.08	µg/Kg-dry 1	01/18/06 15:23
Hexanone	ND	5.7	0.25	µg/Kg-dry 1	01/18/06 15:23
-Chlorotoluene	ND	2.9	0.18	µg/Kg-dry 1	01/18/06 15:23
Methyl-2-pentanone	ND	5.7	0.28	µg/Kg-dry 1	01/18/06 15:23
cetone	10 J	11	0.45	µg/Kg-dry 1	01/18/06 15:23
	ND	2.9	0.10	µg/Kg-dry 1	01/18/06 15:23
	ND		0.17	µg/Kg-dry 1	01/18/06 15:23
omochloromethane	ND		0.18	µg/Kg-dry 1	01/18/06 15:23
romodichloromethane	ND		0.09	µg/Kg-dry 1	01/18/06 15:23
romoform	ND		0.07	µg/Kg-dry 1	01/18/06 15:23
romornethane	ND	5.7	0.34	µg/Kg-dry 1	01/18/08 15:23
Qualifiers: B Analyte detected in the				eeds the instrument calibrati	ion range
H Holding times for prep			· ,	tected below the PQL	N.,
ND Not Detected at the Pra S Spike Recovery outside	ctical Quantitation accepted recovery		P Prim./Con	f. column %D or RPD exce	eds limit

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Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	eers, Inc.	· .		Lab ID: Client Sam Collection I Date Receiv	Date:	0601049-001 BH-20-S 01/11/06 7:55 01/12/06 7:50	<b>A</b>
ColumnID:	MS03 10 Rtx-VMS 01/19/06 2:30:18 P	Sample Size: %Moisture: TestCode:		. · ]	PrepDate: BatchNo: FileID:		R4249 1-RA-J8259.D	
Analyte	· · · · · · · · · · · · ·	Result Qua	l PQL	N	1DL	Units	DF	Date Analyze
		S BY GC/MS		SW82	60B		~	
Carbon disulfid		3.0	2.9	0.	.07	µg/Kg	-dry 1	01/18/06 15:23
Carbon tetrach		ND	2.9	0.	.13	µg/Kg	-dry 1	01/18/06 15:23
Chlorobenzene	<b>)</b>	ND	2.9	j. <b>0</b> .	.10		-dry 1	01/18/06 15:23
Chloroethane		. ND	5.7		.33		-dry 1	01/18/06 15:23
Chloroform	. •	ND .	2.9	,	.05		-dry 1	01/18/06 15:23
Chloromethane		ND	5.7		.44		-dry 1	01/18/06 15:23
sis-1,2-Dichloro		ND	2.9		.13	µg/Kg	-	01/18/06 15:23
sis-1,3-Dichloro	• •	ND 1	2.9		.10	µg/Kg	•	01/18/06 15:23
Dibromochloror		· ND	2.9		.15		-dry 1	01/18/06 15:23
Dibromometha		ND	2.9		.13	µg/Kg	-	01/18/06 15:23
Dichlorodifluora	omethane	ND	5.7		.09	µg/Kg	•	01/18/06 15:23
thylbenzene		ND	2.9		.11	µg/Kg		01/18/06 15:23
lexachlorobuta	• ·	ND	5.7		.45	µg/Kg	•	01/18/06 15:23
sopropylbenze		ND	2.9		.09	µg/Kg		01/18/06 15:23
lethyl tert-buty		ND	2.9		.08	µg/Kg∙	-	01/18/06 15:23
lethylene chlor		• 1.4 J	5.7		.46	µg/Kg	-	01/18/06 15:23
-Butylbenzene		ND	2.9		.14		-dry 1	01/18/06 15:23
-Propylbenzen	1e	ND	2.9		.10	µg/Kg	-	01/18/06 15:23
laphthalene		ND	5.7	-	42	µg/Kg	-	01/18/06 15:23
lsopropyitolue		ND	2.9		10	µg/Kg	•	01/18/06 15:23
ec-Butylbenze	ne	ND	2.9		15	µg/Kg∙	• . •	01/18/06 15:23
Styrene	· · ·	ND ·	2.9		11		-dry 1	01/18/06 15:23
ert-Butylbenzei		ND	2.9	100 A 100 A 100 A 100 A	15	µg/Kg	2 H T H H H H H H	01/18/06 15:23
etrachloroethe	ene	ND	2.9		16	µg/Kg∙		01/18/06 15:23
oluene		· 1.1 J	2.9		14	µg/Kg∙		01/18/06 15:23
ans-1,2-Dichlo		ND	2.9		.11	µg/Kg		01/18/06 15:23
ans-1,3-Dichlo		i ND	2.9		10	µg/Kg∙		01/18/06 15:23
richloroethene		ND	2.9		13	µg/Kg		01/18/06 15:23
richiorofluoron	nethane	ND	5.7		09	µg/Kg		01/18/06 15:23
inyl chloride		ND	5.7		09	µg/Kg		01/18/06 15:23
ylenes (total)	· · ·	1.4 J	5.7		21	µg/Kg		01/18/06 15:23
-	hloroethane-d4	87.0	71-128		15	%REC		01/18/06 15:23
	ofluorobenzene	60.6	59-125		10	%REC		01/18/06 15:23
	ofluoromethane	87.6	40-156		21	%REC		01/18/06 15:23
Surr: Toluene	80-9	84.1	75-125	0.	14	%REC	. 1	01/18/06 15:23
Qualifiers:	B Analyte detected in th						nstrument calibrati	on range
	H Holding times for pre	•			-		slow the PQL	
-	ND Not Detected at the Pr	actical Quantitation	Limit (PQL)		P Prim./Cor	£ columr	n %D or RPD excee	eds limit

CLIENT: O'Brien & Gere Engine Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	ers, Inc.		Lab ID: Client Samp Collection D Date Receive	le ID: BH-20 ate: 01/11/0	5 <b>8:05</b>
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:21 A	Sample Size: 4 %Moisture: 1 TestCode: 8	-	PrepDate: BatchNo: FileID:	R4188 1-SAME	-J8213.D
Analyte	Result Qual	PQL	MDL	Units DF	Date Analyzed
OLATILE ORGANIC COMPOUNDS	BY GC/MS	SW	8260B		
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 13:15
,1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 13:15
,1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry 1	01/16/06 13:15
1,1,2-Trichloro-1,2,2- rifluoroethane	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 13:15
1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 13:15
,1-Dichloroethane	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 13:15
,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry 1	01/16/06 13:15
,1-Dichloropropene	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 13:15
,2,3-Trichlorobenzene	ND	5.8	0.58	µg/Kg-dry 1	01/16/06 13:15
,2,3-Trichloropropane	ND	2,9	0.20	µg/Kg-dry 1	01/16/06 13:15
,2,4-Trichlorobenzene	ND	5.8	0.39	µg/Kg-dry 1	01/16/06 13:15
,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 13:15
,2-Dibromo-3-chloropropane	ŇD	5.8	0.46	µg/Kg-dry 1	01/16/06 13:15
,2-Dibromoethane	· ND	2.9	0.10	µg/Kg-dry 1	01/16/08 13:15
,2-Dichlorobenzene		2.9	0.10	µg/Kg-dry 1	01/16/06 13:15
,2-Dichloroethane		2.9	0.12	µg/Kg-dry 1	01/16/06 13:15
,2-Dichloropropane		2.9	0.09	µg/Kg-dry 1	01/16/06 13:15
,3,5-Trimethylbenzene		2.9	0.10	µg/Kg-dry 1	01/16/06 13:15
,3-Dichlorobenzene		2.9	0.12	µg/Kg-dry 1	01/16/06 13:15
,3-Dichloropropane		2.9	0.09	µg/Kg-dry 1	01/16/06 13:15
,4-Dichlorobenzene		2.9	0.15	µg/Kg-dry 1	01/16/06 13:15
,2-Dichloropropane		2.9	0.10	µg/Kg-dry ₀1	01/16/06 13:15
Butanone		12	0.16	µg/Kg-dry 1	01/16/08 13:15
-Chiorotoluene		2.9	0.08	µg/Kg-dry 1	01/16/06 13:15
-Hexanone	ND	5.8	0.25	µg/Kg-dry 1	01/16/06 13:15
-Chlorotoluene		2.9	0.18	µg/Kg-dry 1	01/16/06 13:15
-Methyl-2-pentanone		5.8	0.28	µg/Kg-dry 1	01/16/06 13:15
cetone	4.4 J	12 ·	0.45	µg/Kg-dry 1	01/16/06 13:15
enzene	ND	2.9	0.10	µg/Kg-dry 1	01/16/06 13:15
romobenzene		2.9	0.17	µg/Kg-dry 1	01/16/06 13:15
romochloromethane		2.9	0.18	µg/Kg-dry 1	01/16/06 13:15
romodichloromethane		2.9	0.09	µg/Kg-dry 1	01/16/06 13:15
romoform	ND	2.9	0.07	µg/Kg-dry 1	01/16/06 13:15
iromomethane		5.8	0.35	µg/Kg-dry 1	01/16/06 13:15

**Analytical Results** 

Project: W Order:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Sam Collection J Date Receiv	ple ID: B) Date: 01	01049-00 H-20-D /11/06 8:0 /12/06 7:5	5
ColumnID:	MS03 10 Rtx-VMS 01/20/06 9:58:21 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: FileID:		188 SAMP-J82	13.D
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyze
VOLATILE O	RGANIC COMPOUND	S BY GC/MS	SW	8260B		•	
Carbon disulfid	e	2.2 J	2.9	0.07	µg/Kg-dry	1	01/16/06 13:15
Carbon tetrachi	loride	ND	2.9	0.13	µg/Kg-dry	1	01/16/06 13:15
Chlorobenzene	i stati i se	ND	2.9	0.10	µg/Kg-dry	1	01/16/06 13:15
Chloroethane		ND	<b>5.8</b>	0.33	µg/Kg-dry	1	01/16/06 13:15
Chloroform		ND	2.9	0.05	µg/Kg-dry	1	01/16/06 13:15
Chloromethane	•	ND	5.8	0.44	µg/Kg-dry	1 '	01/16/06 13:15
sis-1,2-Dichloro	bethene	ND	2.9	0.13	µg/Kg-dry	1	01/16/06 13:15
cis-1,3-Dichloro	propene	ND	2.9	0.10	µg/Kg-dry	1	01/16/06 13:15
Dibromochloror	methane	ND	2.9	0.15	µg/Kg-dry	1	01/16/06 13:15
Dibromometha	ne	ND	2.9	0.13	µg/Kg-dry	1.	01/16/06 13:15
Dichlorodifluoro	omethane	ND	5.8	0.09	µg/Kg-dry	1	01/16/06 13:15
thylbenzene	· · · · ·	ND	2.9	0.12	µg/Kg-dry	1	01/16/06 13:15
lexachlorobute	diene	ND	5.8	0.45	µg/Kg-dry	1	01/16/06 13:15
sopropylbenze	ne	ND	2.9	0.09	µg/Kg-dry	1	01/16/06 13:15
<b>Jethyi tert-buty</b>	l ether	ND	2.9	0.08	µg/Kg-dry	1	01/16/06 13:15
letnylene chio	ndə	1.4 J	5.8	0.46	µg/Kg-dry	1	01/16/06 13:15
-Butylbenzene	•	ND	2.9	0.14	µg/Kg-dry	1	01/16/06 13:15
-Propylbenzer	10	ND	2.9	0.10	µg/Kg-dry	1	01/16/06 13:15
laphthalene		ND	5.8	0.43	µg/Kg-dry	<b>_1</b>	01/16/06 13:15
-Isopropyitolue	ene .	ND	2.9	0.10	µg/Kg-dry	1	01/16/06 13:15
ec-Butylbenze	ne	ND	2.9	0.15	i µg/Kg-dry	1.	01/16/06 13:15
Styrene		ND	2.9	0.12	µg/Kg-dry	1	01/16/06 13:15
ert-Butylbenze	ne	ND	2.9	0.15	µg/Kg-dry	1	01/16/06 13:15
etrachloroethe	ne	ND	2.9	0.16	µg/Kg-dry	1	01/16/06 13:15
oluene		• 0.93 J	2. <del>9</del>	0.14	µg/Kg-dry	1	01/16/06 13:15
ans-1,2-Dichlo	proethene	ND	2.9	0.12	µg/Kg-dry	1	01/16/06 13:15
ans-1,3-Dichlo	propropene	ND	2.9	0.10	µg/Kg-dry	1	01/16/06 13:15
richioroethene	<b>)</b>	ND ·	2.9	0.13	µg/Kg-dry	1	01/16/08 13:15
n <mark>chlorofluoron</mark>	nethane	ND	5.8	0.09	µg/Kg-dry	1	01/16/06 13:15
inyl chloride		. ND	5.8	0.09	΄ μg/Kg-dry	1	01/16/06 13:15
ylenes (total)	· .	0.98 J	5.8 ·	0.21	µg/Kg-dry	1	01/16/06 13:15
Sun: 1,2-Dic	hloroethane-d4	87.5	71-128	0.15	%REC	1	01/16/06 13:15
Sun: 4-Brom	ofluorobenzene	62.7	59-125	0.10	%REC	1	01/16/06 13:15
Surr: Dibrom	ofluoromethane	101	40-156	0.21	%REC	1	01/16/06 13:15
Sun: Toluene	e d8	89.9	75-125	0.14	%REC	1	01/16/06 13:15
Qualifiers:	<ul><li>B Analyte detected in the</li><li>H Holding times for prepared</li></ul>				ceds the instr etected below		ation range

S Spike Recovery outside accepted recovery limits

Analytical Results

CLIENT: O'Brien & Gere Engir Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	eers, Inc.	· · ·	Lab ID: Client Sam Collection Date Recei		;
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:	R4249 1-RA-J8260.I	)
Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyze
OLATILE ORGANIC COMPOUNE	S BY GC/MS	SW	8260B		
,1,1,2-Tetrachloroethane	ND	2.9	0.13	ug/Kg-dry 1	01/18/06 15:58
1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 15:58
1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry 1	01/18/06 15:58»
1,1,2-Trichloro-1,2,2- rifluoroethane	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 15:58
,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 15:58
,1-Dichloroethane	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 15:59
,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry 1	01/18/06 15:58
,1-Dichloroproperie	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 15:58
,2,3-Trichlorobenzene	ND	5.8	0.58	µg/Kg-dry 1	01/18/06 15:58
,2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry 1	01/18/06 15:58
2,4-Trichlorobenzene	NĎ	5.8	0.39	µg/Kg-dry 1	01/18/06 15:58
,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 15:58
,2-Dibromo-3-chloropropane	ND	5.8	0.46	µg/Kg-dry 1	01/18/06 15:58
,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry 1	01/18/06 15:58
,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry 1	01/18/06 15:58
,2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 15:58
2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry 1	01/18/06 15:58
,3,5-Trimethylbenzene	ND	2,9	0.10	µg/Kg-dry 1	01/18/06 15:58
,3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 15:58
,3-Dichloropropane ,4-Dichlorobenzen <del>e</del>	ND	2.9	0.09	µg/Kg-dry 1	01/18/06 15:58
,4-Dichloropropane	ND	2.9	0.15	µg/Kg-dry 1 wa™a day 1	01/18/06 15:58
Butanone	ND · · · ·		0.10	µg/Kg-dry 1 µg/Kg-dry 1	01/18/06 15:58
-Chlorotoluene	ND		0.16 0.08	•	01/18/06 15:58
-Chiologodene -Hexanone	ND	2.9 5.8	0.08	µg/Kg-dry 1 µg/Kg-dry 1	01/18/06 15:58
-Chlorotoluene	ND	.2.9	0.18	µg/Kg-dry 1	01/18/06 15:58
Methyl-2-pentanone	ND	5.8	0.18	µg/Kg-dry 1	01/18/06 15:58
cetone	2.9 J	5.8 12	0.20	µg/Kg-dry 1	01/18/06 15:58
enzene	ND	2.9	0.40	µg/Kg-dry 1	01/18/06 15:58
romobenzene	ND	2.9	0.17	µg/Kg-dry 1	01/18/06 15:58
romochloromethane	· ND	2.9	0.18	µg/Kg-dry 1	01/18/06 15:58
romodichloromethane	ND	2.9	0.09	µg/Kg-dry 1	01/18/06 15:58
romolom	ND	2.9	0.07	µg/Kg-dry 1	01/18/06 15:58
romomethane	ND	5.8	0.35	µg/Kg-dry 1	01/18/06 15:58
Qualifiers: B Analyte detected in the	ne associated Metho	od Blank	E Value ex	ceeds the instrument calibra	tion range

S \_ Spike Recovery outside accepted recovery limits

### LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

CLIENT: O'Brien & Gere En Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	gineers, Inc.		Lab ID: Client Sar Collection Date Rece	nple ID; B) Date: 01	<b>01049-</b> H-20-L /11/06 8 /12/06 7	<b>)</b> :05
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	Sample Size %Moisture: TestCode:		PrepDate BatchNo: FileID:	<b>R</b> 4	249 RA-J826	0.D
Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyze
VOLATILE ORGANIC COMPOU	NDS BY GC/MS	SW	8260B			
Carbon disulfide	1.1 J	2.9	0.07	µg/Kg-dry	1	01/18/06 15:58
Carbon tetrachtoride	ND	2.9	0.13	µg/Kg-dry		01/18/06 15:58
Chlorobenzene	ND	2.9	0.10	µg/Kg-dry	1	01/18/06 15:58
chloroethane	ND	5.8	0.33	µg/Kg-dry	1	01/18/06 15:58
hloroform	ND	2.9	0.05	µg/Kg-dry	<b>1</b> ·	01/18/06 15:58
chioromethane	· ND	5.8	0.44	µg/Kg-dry	1	01/18/06 15:58
is-1,2-Dichloroethene	ND	2.9	0.13	µg/Kg-dry		01/18/06 15:58
is-1,3-Dichloropropene	ND	2.9	0.10	µg/Kg-dry		01/18/06 15:58
Dibromochloromethane	ND	2.9	0.15	µg/Kg-dry	1	01/18/06 15:58
Dibromomethane	ND	2.9	0.13	µg/Kg-dry		01/18/06 15:58
Dichlorodifluoromethane	ND	5.8	0.09	µg/Kg-dry	1	01/18/06 15:58
thylbenzene	ND	2.9	0.12	µg/Kg-dry		01/18/06 15:58
lexachlorobutadiene	ND	5.8	0.45	µg/Kg-dry		01/18/06 15:58
sopropylbenzene	NĎ	2.9	0.09	µg/Kg-dry		01/18/06 15:58
ethyl tert-butyl ether	ND	2.9	0.08	µg/Kg-dry	1	01/18/06 15:58
lethylene chloride	1.2 J	5.8	0.48	µg/Kg-dry		01/18/06 15:58
-Butylbenzene	ND	2.9	0.14	µg/Kg-dry		01/18/06 15:58
-Propylbenzene	ND	2.9	0.10	µg/Kg-dry		01/18/06 15:58
laphthalene	ND	5.8	0.43	µg/Kg-dry		01/18/06 15:58
-Isopropyitoluene	ND	2.9	0.10	µg/Kg-dry		01/18/06 15:58
ec-Butylbenzene	ND	2.9	0.15	µg/Kg-dry		01/18/06 15:58
tyrene	ND	2.9	0.12	µg/Kg-dry		01/18/06 15:58
ert-Butylbenzene	ND	2.9	0.15	µg/Kg-dry		01/18/06 15:58
etrachloroethene	ND	2.9	0.16	µg/Kg-dry	1	01/18/06 15:58
oluene	0.62 J	2.9	0.14	µg/Kg-dry		01/18/06 15:58
ans-1,2-Dichloroethene	NĎ	2.9	0.12	µg/Kg-dry		01/18/06 15:58
ans-1,3-Dichloropropene	ND	2.9	0.10	µg/Kg-dry		01/18/06 15:58
richloroethene	ND	2.9	0.13	µg/Kg-dry		01/18/06 15:58
richlorofluoromethane	ND	5.8	0.09	µg/Kg-dry		01/18/06 15:58
inyl chloride	ND	5.8	0.09	µg/Kg-dry		01/18/06 15:58
ylenes (total)	0.74 J	5.8	0.21	ug/Kg-dry	1	01/18/06 15:58
Surr: 1,2-Dichloroethane-d4	88.1	71-128	0.15	%REC	1	01/18/06 15:58
Surr: 4-Bromofluorobenzene	62.0	59-125	0.10	%REC	1	01/18/06 15:58
Surr: Dibromofluoromethane	99.4	40-156	0.21	%REC	1	01/18/06 15:58
Surr: Toluene-d8	89.0	75-125	0.14	%REC	1	01/18/06 15:58
Cumulation Da	in the associated Metho preparation or analysi			xceeds the instr detected below		-

S. Spike Recovery outside accepted recovery limits

CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601049 Matrix: SOIL			Collection Date Rece	ived: 01/12/06 7:	:15
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:21 A	Sample Size: %Moisture: TestCode:		<ul> <li>PrepDate</li> <li>BatchNo:</li> <li>FileID:</li> </ul>	: R4188 1-SAMP-J82	014 D
Analyte	Result Qu		MDL	Units DF	Date Analyzed
OLATILE ORGANIC COMPOUND	S BY GC/MS	SW	/8260B		、 、
,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 13:50
1,1,1-Trichloroethane	ND	2.9	0.12	μg/Kg-dry 1	01/16/06 13:50
,1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry 1	01/16/06 13:50
1,1,2-Trichloro-1,2,2- rifluoroethane	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 13:50
1,1,2-Trichioroethane	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 13:50
,1-Dichloroethane	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 13:50
,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry 1	01/16/06 13:50
,1-Dichioropropene	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 13:50
,2,3-Trichlorobenzene	. <b>ND</b>	5.8	0.58	µg/Kg-dry 1	01/16/06 13:50
,2,3-Trichloropropane	` ND	2.9	0.20	µg/Kg-dry 1	01/16/06 13:50
,2,4-Trichlorobenzene	ND	5.8	0.39	µg/Kg-dry 1	01/16/06 13:50
,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 13:50
,2-Dibromo-3-chloropropane	ND	5.8	0.46	µg/Kg-dry 1	01/16/06 13:50
,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry 1	01/16/06 13:50
,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry 1	01/16/06 13:50
,2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 13:50
,2-Dichloropropane	ND ND	2.9	0.09	µg/Kg-dry 1	01/16/06 13:50
,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry 1	01/16/06 13:50
,3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 13:50
,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry 1	01/16/06 13:50
,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry 1	01/16/06 13:50
2,2-Dichloropropane	••••• <b>ND</b> •••••	··· 2.9 ···· ··· ·	<b>0.10</b>	·····μg/Kg-dry···1·······	01/16/06 13:50
-Butanone	ND ND	12	0,16	µg/Kg-dry 1	01/16/06 13:50
-Chlorotoluene	ND	2.9	80.0	µg/Kg-dry 1	01/16/06 13:50
-Hexanone	ND	5.8	0.25	µg/Kg-dry 1	01/16/06 13:50
-Chlorotoluene	ND	2.9	0.18	µg/Kg-dry 1	01/16/06 13:50
-Methyl-2-pentanone	ND	5.8	0.28	µg/Kg-dry 1	01/16/06 13:50
Acetone	3.0 J	12	0.45	µg/Kg-dry 1	01/16/06 13:50
Senzené	ND	2.9	0.10	µg/Kg-dry 1	01/16/06 13:50
Bromobenzene	ND	2.9	0.17	µg/Kg-dry 1	01/16/06 13:50
Bromochloromethane	· ND	2.9	0.18	µg/Kg-dry 1	01/16/06 13:50
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry 1	01/16/06 13:50
Bromoform	ND	2:9	0.07	µg/Kg-dry 1	01/16/06 13:50
Bromomethane	ND	5.8	0.35	µg/Kg-dry 1	01/16/06 13:50
Qualifiers: B Analyte detected in the	he associated Metho	d Blank	E Value e	exceeds the instrument calib	ration range
H Holding times for pre	paration or analysis	exceeded	J Analyte	e detected below the PQL	· · · ·
ND Not Detected at the F S Spike Recovery outsi	ractical Quantitatio de accepted recover		P Prim./C	Conf. column %D or RPD en	cceeds limit

**Analytical Results** 

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.	•	Clie Col	DI:         0601049-00           ent Sample ID:         BH-21-S           lection Date:         01/10/06 15           e Received:         01/12/06 7:5	:15
Inst. ID: ColumnID: Revision:	MS03 10 Rtx-VMS 01/20/06 9:58:21 A	Sample Size %Moisture: TestCode:		Bat	pDate: chNo: R4188 ID: 1-SAMP-J82	214.D
Analyte		Result Qu	al PQL	MD	L Units DF	Date Analyz
	DRGANIC COMPOUND	S BY GC/MS	SW	82601	 B	
Carbon disulfi	de	ND	2.9	0.07	µg/Kg-dry 1	01/16/06 13:50
Carbon tetracl	hloride	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 13:50
Chlorobenzen	e	ND	2.9	0.10	µg/Kg-dry 1 ∞	01/16/06 13:50
Chloroethane		ND	5.8	0.34	µg/Kg-dry 1	01/16/06 13:50
Chloroform		ND	2.9	0.05	µg/Kg-dry 1	01/16/06 13:50
Chloromethan		ND	5.8	0.44	µg/Kg-dry 1	01/16/06 13:50
is-1,2-Dichlor		· ND	2.9	0.13	µg/Kg-dry 1	01/16/06 13:50
is-1,3-Dichlor		ND	2.9	0.10	μg/Kg-dry 1	01/16/06 13:50
Dibromochloro	methane	ND	2.9	0.15	µg/Kg-dry 1	01/16/06 13:50
Dibromometha		ND	2.9	0.13	µg/Kg-dry 1	01/16/06 13:50
Dichlorodifluor	omethane	ND	5.8	0.09	µg∕lKg-dry 1	01/16/06 13:50
thylbenzene		ND	2.9	0.12	µg/Kg-dry 1	01/16/06 13:50
lexachiorobul		ND	5.8	0.45	µg/Kg-dry 1	01/16/06 13:50
sopropylbenz	ene	ND ·	2.9	0.09	µg/Kg-dry 1	01/16/06 13:50
lethyl tert-bul	yl ether	ND	2.9	0.08	µg/Kg-dry 1	01/16/06 13:50
lethylene chi	oride	0.95 J	5.8	0.46	µg/Kg-dry 1	01/16/06 13:50
-Butylbenzen	e	ND	2.9	0.14	µg/Kg-dry 1	01/16/06 13:50
-Propylbenze	ne	ND	2.9	0.10	µg/Kg⊸dry 1	01/16/06 13:50
laphthalene		ND	5.8	0.43	µg/Kg-dry 1	01/16/06 13:50
-Isopropyitolu	ieue .	ND	2.9	0.10	μg/Kg-dry 1	01/16/06 13:50
ec-Butylbenz	ene	ND	2.9	0.15	µg/Kg-dry 1	01/16/06 13:50
Styrene	· · ·	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 13:50
ert-Butylbenz	ene	ND	2.9	0.15	µg/Kg-dry 1	01/16/06 13:50
etrachioroeth	iene	ND	2.9	0.16	µg/Kg-dry 1	01/16/06 13:50
oluene	•	ND	2.9	0.14	µg/Kg-dry 1	01/16/06 13:50
ans-1,2-Dich	loroethene	ND	2.9	0.12	μg/Kg-ciry 1	01/16/06 13:50
raris-1,3-Dich	loropropene	ND	2.9	0.10	μg/Kg-dry 1	01/16/06 13:50
richloroethen	<b>e</b> .	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 13:50
richlorofluoro	methane	ND	5.8	0.09	µg/Kg-dry 1	01/16/06 13:50
inyl chloride		ND	5.8	0.09	µg/Kg-dry 1	01/16/06 13:50
ylenes (total)	)	ND ·	5.8	0.21	µg/Kg-dry 1	01/16/06 13:50
Surr: 1,2-Di	chloroethane-d4	86.9	71-128	0.15	%REC 1	01/16/06 13:50
Surr: 4-Bror	nofluorobenzene	58.0 S	59-125	0.10	%REC 1	01/16/06 13:50
Surr. Dibror	nofluoromethane	101	40-156	0.21	%REC 1	01/16/06 13:50
Surr: Toluer	ne-d8	84.9	75-125	0.14	%REC 1	01/16/06 13:50
Qualifiers:	B Analyte detected in th	e associated Metho	od Blank	E	Value exceeds the instrument calib	ration range
~	H Holding times for pre-	paration or analysis	exceeded	J	Analyte detected below the PQL	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	ND Not Detected at the Pr	actical Ouantitatio	n Limit (POL)	P	Prim./Conf. column %D or RPD ex	ceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander

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# LSL 5000 Brittonfield Parkway Suite 200

		5000	D-itte-field	Deviour	S:4- 200	
71	1	2000	Brittonfield	гагкжау,	Suite 200	

CLIENT: O'Brien & Gere Engine Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	ers, Inc.		-	Lab ID: Client Sam Collection I Date Receiv	ole ID: <b>B</b> Date: 01	6 <b>01049-003</b> 2 <b>H-21-S</b> 1/10/06 <b>15</b> :15 1/12/06 7:50	
nst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	Sample Size: %Moisture: TestCode:		MĽ	PrepDate: BatchNo: FileID:		4249 RA-J8261.D	
Analyte	Result Qu	al PQL		MDL	Units	DF .	Date Analyze
OLATILE ORGANIC COMPOUND	S BY GC/MS		sw	8260B			
,1,1,2-Tetrachloroethane	ND	2.9		0.13	µg/Kg-dr	y 1 ்	01/18/06 16:33
,1,1-Trichtoroethane	ND	2.9		0.12	µg/Kg-dr	y .1	01/18/06 16:33
,1,2,2-Tetrachloroethane	ND	2.9		0.18	µg/Kg-dr	y 1	01/18/06 16:33
,1,2-Trichloro-1,2,2- ifluoroethane	ND	2.9		0.12	µg/Kg-dr	-	01/18/06 16:33
,1,2-Trichloroethane	ND	2.9		0.13	µg/Kg-dr		01/18/06 16:33
1-Dichloroethane	ND	2.9		0.12	µg/Kg-dr	-	01/18/06 16:33
,1-Dichloroethene	ND	2.9		0.16	µg/Kg-dr		01/18/06 16:33
,1-Dichioropropene	ND	2.9		0.12	µg/Kg-dr	-	01/18/06 16:33
2,3-Trichlorobenzene	ND	5.8		0.58	µg/Kg-dr	•	01/18/06 16:33
,2,3-Trichloropropane	ND	2.9		0.20	µg/Kg-dr	-	01/18/06 16:33
,2,4-Trichlorobenzene	ND	5.8		0.39	µg/Kg-dr	-	01/18/06 16:33
,2,4-Trimethylbenzene	ND	2.9		0.13	µg/Kg-dr		01/18/06 16:33
,2-Dibromo-3-chloropropane	ND	5.8		0.46	µg/Kg-dr		01/18/06 16:33
,2-Dibromoethane	ND	2.9		0.10	µg/Kg-dr		01/18/06 16:33
,2-Dichlorobenzene	. ND	2.9		0.10	µg/Kg-dr		01/18/06 16:33
,2-Dichloroethane	ND	2.9		0.12	µg/Kg-dr	-	01/18/06 16:33
,2-Dichioropropane	ND	2.9		0.09	µg/Kg-di	-	01/18/06 16:33
,3,5-Trimethylbenzene	ND	2.9		0.10	µg/Kg-di		01/18/06 16:33
,3-Dichlorobenzene	ND	2.9		0.12	µg/Kg-di		01/18/06 16:33
3-Dichloropropane	ND	2.9		0.09	µg/Kg-di		01/18/06 16:33
4-Dichlorobenzene	ND	2.9		0.15	µg/Kg-di		01/18/06 16:33
2,2-Dichloropropane	ND	2.9		0.10	µg/Kg-di		01/18/06 16:33
2-Butanone	ND	12		0.16	µg/Kg-di		01/18/06 16:33
2-Chlorotoluene	ND	<b>2.9</b>		.0.08	µg/Kg-di		01/18/06 18:33
2-Hexanone	ND	5.8		0.25	µg/Kg-di	-	01/18/06 16:33
l-Chlorotoluene	ND	2.9		0.18	µg/Kg-di		01/18/06 16:33
-Methyl-2-pentanone	ND	5.8		0.28	µg/Kg-di	-	01/18/06 16:33
Acetone	2.0 J	12	·	0.45	µg/Kg-d	•	01/18/06 16:33
Benzene	ND	2.9		0.10	µg/Kg-d		01/18/06 16:33
Bromobenzene	ND	2.9		0.17	µg/Kg-d		01/18/06 16:33
Bromochloromethane	ND	2.9		0.18	µg/Kg-d		01/18/06 16:33
Bromodichloromethane	ND	2.9		0.09	µg/Kg-d		01/18/06 16:33
Bromoform	ND	2.9		0.07	µg/Kg-d	-	01/18/06 16:33
Bromomethane	ND	5.8	•	0.35	µg/Kg-d	ry 1	01/18/06 16:33
Qualifiers: B Analyte detected in th	e associated Meth	od Blank		E Value ex	ceeds the ins	strument calibra	tion range

CLIENT:	O'Brien & Gere Engin	eers, Inc.		Lab ID: 0601049-003A				
Project:	Geneva Foundry			<b>Client Sa</b>	mple ID: <i>BH-21-S</i>	S		
W Order:	0601049		14	Collection				
Viatrix:	SOIL		. •	Date Rec	eived: 01/12/06 7	:50		
lnst. ID:	MS03 10	Sample Size:	408 0	PrepDate	1			
ColumnID;		%Moisture:	-	BatchNo:				
Revision:	01/19/06 2:30:18 P	TestCode:	82605 TAGML		1-RA-J826	1.D		
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyz		
OLATILE C	DRGANIC COMPOUNE	S BY GC/MS	SW	8260B				
Carbon disulfic	de	ND	2.9	0.07	µg/Kg-dry 1	01/18/06 16:33		
Carbon tetrach	nioride	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 16:33		
hlorobenzen	e	' ND	2.9	0.10	µg/Kg-dry 1	01/18/06 16:33		
Chloroethane		ND	5.8	0.34	µg/Kg-dry 1	01/18/06 16:33		
chloroform		ND	2.9	0.05	µg/Kg-dry 1	01/18/06 16:33		
hioromethan	e .	ND	5.8	0.44	µg/Kg-dry 1	01/18/06 16:33		
is-1,2-Dichlor	oethene	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 16:33		
is-1,3-Dichlor	opropene	ND	2.9	0.10	µg/Kg-dry 1	01/18/06 16:33		
ibromochioro	methane	ND	2.9	0.15	µg/Kg-dry 1	01/18/06 16:33		
Dibromometha	ine	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 16:33		
ichlorodifluor	omethane	ND	5.8	0.09	µg/Kg-dry 1	01/18/06 16:33		
thylbenzene	•	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 16:33		
lexachiorobut	adiene	ND	5.8	0.45	µg/Kg-dry 1	01/18/06 16:33		
sopropylbenze	ene	ND	2.9	0.09	µg/Kg-dry 1	01/18/06 16:33		
lethyl tert-but	yl ether	ND	2.9	0.06	µg/Kg-dry 1	01/18/06 16:33		
fethylene chic	oride	1.3 J	5.8	0.46	μg/Kg-dry 1	01/18/06 16:33		
-Butylbenzen	8	ND	2.9	0.14	µg/Kg-dry 1	01/18/06 16:33		
-Propylbenze	ne	ND	2.9	0.10	µg/Kg-dry 1	01/18/06 16:33		
laphthalene		ND	5.8	0.43	µg/Kg-dry 1	01/18/06 16:33		
-Isopropyitolu	ione	. ND	2.9	0.10	µg/Kg-dry 1	01/18/06 16:33		
ec-Butylbenzo	ene	ND	2.9	0.15	µg/Kg-dry 1	01/18/06 16:33		
tyrene	1. A.	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 16:33		
rt-Butylbenze	ene	ND	2.9	0.15	µg/Kg-dry 1	01/18/06 16:33		
etrachloroeth	ene	ND	2.9	0.16	µg/Kg-dry 1	01/18/06 16:33		
oluene		ND	2.9	0.14	µg/Kg-dry 1	01/18/06 16:33		
ans-1,2-Dichl	loroethene	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 16:33		
ans-1,3-Dichl	loropropene .	ND	2.9	0.10	µg/Kg-dry 1	01/18/06 16:33		
richloroethen	e	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 16:33		
richlorofluoro	methane	ND	5.8	0.09	µg/Kg-dry 1	01/18/06 16:33		
inyl chloride		ND	5.8	0.09	µg/Kg-dry 1	01/18/06 16:33		
ylenes (total)		ND	5.8	0.21	µg/Kg-dry 1	01/18/06 18:33		
	chloroethane-d4	88.6	71-128	0.15	%REC 1	01/18/06 16:33		
Surr: 4-Bron	nofluorobenzene	52.8 S	59-125	0.10	%REC 1	01/18/06 16:33		
Surr: Dibron	nofluoromethane	102	40-156	0.21	%REC 1	01/18/06 16:33		
Surr: Toluer	1e-d8	82.2	75-125	0.14	%REC 1	01/18/06 16:33		
Juglifaire	B Analyte detected in the	te associated Metho	d Blank	E Value	exceeds the instrument cal	ibration range		
Qualifiers:	H Holding times for pro				e detected below the PQL	•		
		ractical Quantitatio		-		exceeds limit		

roject: Ge V Order: 06	Brien & Gere Engir eneva Foundry 01049 DIL	eers, Inc.		Collect	Client Sample ID:         BH-21-D           Collection Date:         01/10/06 15:25           Date Received:         01/12/06 7:50				
olumnID: Rt	S03 10 x-VMS /20/06 9:58:21 A	Sample Size %Moisture: TestCode:	-	PrepDa BatchN /IL FileID:	lo: R4188	215.D			
nalyte		Result Qu	al PQL	MDL	Units DF	Date Analyze			
OLATILE ORG	SANIC COMPOUNE	S BY GC/MS		SW8260B					
1,1,2-Tetrachlore	pethane	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 14:25			
1,1-Trichloroetha	ane ,	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 14:25			
1,2,2-Tetrachlore		ND	2.9	0.19	µg/Kg-dry 1	01/16/06 14:25			
1,2-Trichloro-1,2 fluoroethane	,2-	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 14:25			
1,2-Trichloroetha	ane	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 14:25			
1-Dichloroethane	•	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 14:25			
1-Dichloroethene	•	ND	2.9	0.16	µg/Kg-dry 1	01/16/06 14:25			
1-Dichloroproper	ne	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 14:25			
2,3-Trichloroben	zene	ND	5.9	0.59	µg/Kg-dry 1	01/16/06 14:25			
2,3-Trichloroprop	Dane	ND	2.9	0.20	µg/Kg-dry 1	01/16/06 14:25			
2,4-Trichloroben	zene	ND	5.9	0.40	µg/Kg-dry 1	01/16/06 14:25			
2,4-Trimethylber		ND	2.9	0.13	µg/Kg-dry 1	01/16/06 14:25			
2-Dibromo-3-chi		ND	5.9	0.47	µg/Kg-dry 1	01/16/06 14:25			
2-Dibromoethan		ND	2.9	0.11	µg/Kg-dry 1	01/16/06 14:25			
2-Dichlorobenze		ND	2.9	0.11	µg/Kg-dry 1	01/16/06 14:25			
2-Dichloroethane		ND	2.9	0.12	µg/Kg-dry 1	01/16/06 14:25			
2-Dichloropropar		ND	2.9	0.09	µg/Kg-dry 1	01/16/06 14:25			
3,5-Trimethylben		ND	2.9	<b>0.11</b>	µg/Kg-dry 1	01/16/06 14:25			
3-Dichlorobenze		ND	2.9	0.12	µg/Kg-dry 1	01/16/06 14:25			
3-Dichloropropar		ND	2. <del>9</del>	0.09	µg/Kg-dry 1	01/16/06 14:25			
4-Dichlorobenze	· · · ·	ND	2.9	0.15	µg/Kg-dry 1	01/16/06 14:25			
2-Dichloropropar			2.9		µg/Kg-dry 1	01/16/06 14:25			
Butanone		ND	12	0.16	µg/Kg-dry 1	01/16/06 14:25			
Chlorotoluene		ND	2.9	0.08	µg/Kg-dry 1	01/16/06 14:25			
Hexanone		ND	5.9	0.26	µg/Kg-dry 1	01/16/06 14:25			
Chlorotoluene		ND	2.9	0.19	µg/Kg-dry 1	01/16/06 14:25			
Methyl-2-pentan	one	ND	5.9	0.28	µg/Kg-dry 1	01/16/06 14:25			
zetone		2.5 J	12	0.46	µg/Kg-dry 1	01/16/06 14:25			
nzene		ND	2.9	0.11	µg/Kg-dry 1	01/16/06 14:25			
omobenzene		ND	2.9	0.18	µg/Kg-dry 1	01/16/06 14:25			
omochlorometha		ND	2.9	0.19	μg/Kg-dry 1	01/16/06 14:25			
omodichioromet	nane	ND	2.9	0.09	μg/Kg-dry 1	01/16/06 14:25			
omoform		ND	2.9	0.07	μg/Kg-dry 1	01/16/06 14:25			
omomethane		ND	5.9	0.35	µg/Kg-dry 1	01/16/06 14:25			
ualifiers: B		e associated Metho	od Blank	E Val	ue exceeds the instrument calil	oration range			
• н	Holding times for pre	paration or analysis	exceeded	J Ana	lyte detected below the PQL				

Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	· ·		Lab ID:         0601049-004A           Client Sample ID:         BH-21-D           Collection Date:         01/10/06 15:25           Date Received:         01/12/06 7:50			
ColumnID:	MS03 10 Rtx-VMS 01/20/06 9:58:21 A	Sample Size: %Moisture: TestCode:	. —	PrepDat BatchNo FileID:		3215.D	
nalyte		Result Qu	al PQL	MDL	Units DF	Date Analyze	
OLATILE O	RGANIC COMPOUND	S BY GC/MS	SW	8260B			
Carbon disulfid	e -	0.66 J	2.9	0.07	μg/Kg-dry 1	01/16/06 14:25	
arbon tetrachi	oride	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 14:25	
hlorobenzene		ND	2.9	0.11	µg/Kg-dry 1	01/16/06 14:25	
Chloroethane		ND	5.9	0.34	µg/Kg-dry 1	01/16/06 14:25	
Chloroform		ŃD	2.9	0.05	µg/Kg-dry 1	01/16/06 14:25	
Chloromethane	,	ND	5.9	0.45	µg/Kg-dry 1	01/16/06 14:25	
is-1,2-Dichlord	ethene	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 14:25	
is-1,3-Dichlord	propene	ND	2.9	0.11	µg/Kg-dry 1	01/16/06 14:25	
Dibromochloror	nethane	ND	2.9	0.15	µg/Kg-dry 1	01/16/06 14:25	
Dibromometha	ne	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 14:25	
ichlorodifluora	methane	ND	5.9	0.09	µg/Kg-dry 1	01/16/06 14:25	
thylbenzene		ND	2.9	0.12	µg/Kg-dry 1	01/16/06 14:25	
lexachiorobuta	diene	ND	5.9	0.46	µg/Kg-dry 1	01/16/06 14:25	
sopropylbenze	ne	ND	2.9	0.09	µg/Kg-dry 1	01/16/06 14:25	
lethyl tert-buty	l ether	ND	2.9	0.08	µg/Kg-dry 1	01/16/06 14:25	
lethylene chio	ride	0.72 J	5.9	0.47	µg/Kg-dry 1	01/16/06 14:25	
Butylbenzone	•	ND	2,9	0.14	µg/Kg-dry 1	01/16/06 14:25	
-Propylbenzer	1 <del>0</del>	ND	2.9	0.11	µg/Kg-dry 1	01/16/06 14:25	
laphthalene		ND	5.9	0.44	µg/Kg-dry 1	01/16/06 14:25	
Isopropyltolu	ene	ND	2.9	0.11	µg/Kg-dry 1	01/16/06 14:25	
ec-Butylbenze		ND	2.9	0.15	µg/Kg-dry 1	01/16/06 14:25	
Styrene		ND	2.9	0.12	µg/Kg-dry 1	01/16/06 14:25	
ert-Butylbenze	ne	ND	2.9	0.15	µg/Kg-dry 1	01/16/06 14:25	
etrachloroethe	A second second second second second second second	ND	2.9	0.16	µg/Kg-dry 1	01/16/06 14:25	
oluene		ND	2.9	0.14	µg/Kg-dry 1	01/16/06 14:25	
rans-1,2-Dichi	proethene	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 14:25	
rans-1,3-Dichl		ND	2.9	0.11	µg/Kg-dry 1	01/16/06 14:25	
richloroethene	• •	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 14:25	
richlorofluoror		ND	5.9	0.09	µg/Kg-dry 1	01/16/06 14:25	
/inyl chloride		ND	5.9	0.09	µg/Kg-dry 1	01/16/06 14:25	
(vienes (total)		ND	5.9	0.21	µg/Kg-dry 1	01/16/06 14:25	
• • •	hloroethane-d4	88.6	71-128	0.15	%REC 1	01/16/06 14:25	
-	ofluorobenzene	62.5	59-125	0.11	%REC 1	01/16/06 14:25	
	ofluoromethane	102	40-156	0.21	%REC 1	01/16/06 14:25	
Surr. Toluen		89.3	75-125	0.14	%REC 1	01/16/06 14:25	
	B Analyte detected in t	he associated Metho	nd Blank	E Valu	ie exceeds the instrument cal	ibration range	
Qualifiers:	H Holding times for pr				lyte detected below the PQL	•	
		-L			-		

#### Life Science Laboratories, Inc. **Analytical Results** LSL 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 StateCertNo: 10155 (315) 437-0200 **CLIENT:** O'Brien & Gere Engineers, Inc. Lab ID: 0601049-004A **Project:** Client Sample ID: Geneva Foundry BH-21-D W Order: 01/10/06 15:25 0601049 **Collection Date:** Matrix: SOIL Date Received: 01/12/06 7:50 MS03 10 **PrepDate:** Inst. ID: Sample Size: 4.99 g R4249 **BatchNo:** ColumnID: Rtx-VMS %Moisture: 15.0 1-RA-J8262.D 01/19/06 2:30:18 P FileID: **Revision:** TestCode: 8260S TAGML DF Date Analyzed **Result Qual PQL** MDL Units Analyte VOLATILE ORGANIC COMPOUNDS BY GC/MS SW8260B 2.9 µg/Kg-dry 1 01/18/06 17:08 1,1,1,2-Tetrachioroethane ND 0.13 µg/Kg-dry 1 01/18/06 17:08 1,1,1-Trichloroethans ND 2.9 0.12 01/18/06 17:08 ND 0.19 µg/Kg-dry 1 1,1,2,2-Tetrachloroethane 2.9 1,1,2-Trichloro-1,2,2-01/18/06 17:08 ND 2.9 0.12 µg/Kg-dry 1 trifluoroethane 01/18/06 17:08 1,1,2-Trichloroethane ND 2.9 0.13 µg/Kg-dry 1 1,1-Dichioroethane 01/18/06 17:08 ND 2.9 0.12 µg/Kg-dry 1 01/18/06 17:08 1.1-Dichloroethene ND 2.9 0.16 µg/Kg-dry 1 01/18/06 17:08 1,1-Dichloropropene ND 2.9 0.12 µg/Kg-dry 1 ND 5.9 0.59 µg/Kg-dry 1 01/18/06 17:08 1,2,3-Trichlorobenzene 01/18/06 17:08 1,2,3-Trichloropropane ND 2.9 0.20 µg/Kg-dry 1 ND 5.9 0.40 µg/Kg-dry 1 01/18/06 17:08 1,2,4-Trichlorobenzene 0.13 µg/Kg-dry 1 01/18/06 17:08 1.2.4-Trimethylbenzene ND 2.9 01/18/06 17:08 1,2-Dibromo-3-chloropropane ND 5.9 0.47 µg/Kg-dry 1 1.2-Dibromoethane ND 2.9 0.11 µg/Kg-dry 1 01/18/06 17:08 01/18/06 17:08 1,2-Dichlorobenzene ND 2.9 0.11 µg/Kg-dry 1 1,2-Dichloroethane ND 2.9 0.12 µg/Kg-dry 1 01/18/06 17:08 01/18/06 17:08 1,2-Dichloropropane ND 2.9 0.09 µg/Kg-dry 1 01/18/06 17:08 1,3,5-Trimethylbenzene ND 2.90.11 µg/Kg-dry 1 1,3-Dichiorobenzene ND 0.12 µg/Kg-dry 1 01/18/06 17:08 2.9 ND 01/18/06 17:08 1,3-Dichloropropane 2.9 0.09 µg/Kg-dry 1 01/18/06 17:08 1,4-Dichiorobenzene ND 2.9 0.15 µg/Kg-dry 1 01/18/06 17:08 2,2-Dichloropropane ND 0:11 µg/Kg-dry 1 2.9 01/18/06 17:08 2-Butanone ŇĎ 12 0.16 µg/Kg-dry 1 2-Chlorotoluene ND 2.9 0.08 µg/Kg-dry 1 01/18/06 17:08 2-Hexanone NĎ 5.9 0.26 µg/Kg-dry 1 01/18/06 17:08 4-Chiorotoluene ND 2.9 0.19 µg/Kg-dry 1 01/18/06 17:08 ND 01/18/06 17:08 4-Methyl-2-pentanone 0.28 5.9 µg/Kg-dry 1 01/18/06 17:08 Acetone 1.5 J 12 0.46 µg/Kg-dry 1 Benzene ND 2.9 0.11 µg/Kg-dry 1 01/18/06 17:08 Bromobenzene ND 2.9 0.18 01/18/06 17:08 µg/Kg-dry 1 01/18/06 17:08 Bromochloromethane ND 2.9 0.19 µg/Kg-dry 1

Analyte detected in the associated Method Blank В Qualifiers: н

ND

Value exceeds the instrument calibration range Е

µg/Kg-dry 1

ug/Kg-dry 1

µg/Kg-dry 1

Holding times for preparation or analysis exceeded Not Detected at the Practical Quantitation Limit (PQL)

ND

ND

ND

2.9

2.9

5.9

Р Prim/Conf. column %D or RPD exceeds limit

Spike Recovery outside accepted recovery limits S

Analyte detected below the POL

Bromodichloromethane

Bromoform

Bromomethane

0.09

0.07

0.35

J

01/18/06 17:08

01/18/06 17:08

01/18/06 17:08

East Syracuse, NY 1	3057 (315)	437-0200		StateCertNo	: 10155
CLIENT: O'Brien & Gere En Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	gineers, Inc.	<u>.</u>	Lab ID: Client Sar Collection Date Rece		:25
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	Sample Size: %Moisture: TestCode:	_	PrepDate BatchNo: FileID:	R4249 1-RA-J8262	D
Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyzed
VOLATILE ORGANIC COMPOU	NDS BY GC/MS	SW	8260B		
Carbon disulfide	0.84 J	2.9	0.07	µg/Kg-drý 1	01/18/06 17:08
Carbon tetrachloride	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 17:08
Chlorobenzene	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 17:08
Chloroetharie	ND	5.9	0.34	µg/Kg-dry 1	01/18/06 17:08
Chloroform	ND	2.9	0.05	µg/Kg-dry 1	01/18/06 17:08
Chloromethane	ND	5.9	0.45	µg/Kg-dry 1	01/18/06 17:08
is-1,2-Dichloroethene	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 17:08
is-1,3-Dichloropropene	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 17:08
Dibromochloromethane	ND	2.9	0.15	µg/Kg-dry 1	01/18/06 17:08
Dibromomethane	. ND	2.9	0.13	µg/Kg-dry 1	01/18/06 17:08
Dichlorodifluoromethane	ND	5.9	0.09	µg/Kg-dry 1	01/18/06 17:08
thylbenzene	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 17:08
lexachlorobutadiene	ND	5,9	0.46	µg/Kg-dry 1	01/18/06 17:08
sopropylbenzene	ND	2.9	0.09	µg/Kg-dry 1	01/18/06 17:08
lethyl tert-butyl ether	ND	2.9	0.08	µg/Kg-dry 1	01/18/06 17:08
Methylene chloride	0.78 J	5.9	0.47	µg/Kg-dry 1	01/18/06 17:08
-Butylbenzene	ND	2.9	0.14	µg/Kg-dry 1	01/18/06 17:08
n-Propylbenzene	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 17:08
Naphthalene	ND	5.9	0.44	µg/Kg-dry 1	01/18/06 17:08
-Isopropyltoluene	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 17:08
ec-Butylbenzene	ND	2.9	0.15	µg/Kg-dry 1	01/18/06 17:08
Styrene	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 17:08
ert-Butylbenzene	ND	2.9	0.15	µg/Kg-dry 1	01/18/06 17:08
Tetrachloroethene	ND	2.9	0.16	µg/Kg-dry 1	01/18/06 17:08
Foluene	ND	2.9	0.14	µg/Kg-dry 1	01/18/06 17:08
rans-1,2-Dichloroethene	. ND	2.9	0.12	µg/Kg-dry 1	01/18/06 17:08
rans-1,3-Dichloropropene	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 17:08
Frichloroethene	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 17:08
Frichlorofluoromethane	ND	5.9	0.09	µg/Kg-dry 1	01/18/06 17:08
/inyl chloride	ND	5.9	0.09	µg/Kg-dry 1	01/18/06 17:08
(ylenes (total)	ND	5.9	0.21	µg/Kg-dry 1	01/18/06 17:08
Surr: 1,2-Dichloroethane-d4	89.1	71-128	0.15	%REC 1	01/18/06 17:08
Surr: 4-Bromofluorobenzene	57.8 S	59-125	0.11	%REC 1	01/18/06 17:08
Surr: Dibromofluoromethane	101	40-156	0.21	%REC 1	01/18/06 17:08
Surr: Toluene-d8	86.2	75-125	0.14	%REC 1	01/18/06 17:08
Qualifiers: B Analyte detected	in the associated Meth	od Blank	E Value	exceeds the instrument cali	bration range
	r preparation or analysi	sexceeded	-	e detected below the $PQL_{\downarrow}$	
ND Not Detected at t S Spike Recovery	he Practical Quantitation outside accepted recover		P Prim./	Conf. column %D or RPD	exceeds limit

LSL 5000 Brittonfield Parkw East Syracuse, NY 130		) 437-0200		StateCertNo:	10155
CLIENT: O'Brien & Gere Engine Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	eers, Inc.		Colle	ID:         0601049-00           at Sample ID:         BH-22-S           ection Date:         01/10/06 13:           Received:         01/12/06 7:5	00
nst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:21 A	Sample Size %Moisture TestCode:	-	Bate	Date: hNo: R4188 D: 1-SAMP-J82	16.D
Inalyte	Result Q	ual PQL	MÐL	. Units DF	Date Analyzed
OLATILE ORGANIC COMPOUND	S BY GC/MS	SW	8260B		· · · · · · · · · · · · · · · · · · ·
1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 15:00
,1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 15:00
,1,2,2-Tetrachloroethane	ND	2.9	0.19	µg/Kg-dry 1	01/16/06 15:00
,1,2-Trichloro-1,2,2- ifluoroethane	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 15:00
,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 15:00
,1-Dichloroethane	ND.	2.9	0.12	µg/Kg-dry 1	01/16/06 15:00
,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry 1	01/16/06 15:00
1-Dichloropropene	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 15:00
2,3-Trichlorobenzene	ND	5.9	0.59	µg/Kg-dry 1	01/16/06 15:00
2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry 1	01/16/06 15:00
2,4-Trichlorobenzene	ND	5. <del>9</del>	0.40	µg/Kg-dry 1	01/16/06 15:00
2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry 1	01/16/06 15:00
2-Dibromo-3-chloropropane	. ND	5.9	0.47	µg/Kg-dry 1	01/16/06 15:00
2-Dibromoethane	ND	2.9	0.11	µg/Kg-dry 1	01/16/06 15:00
2-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry 1	01/16/06 15:00
2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 15:00
2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry 1	01/16/06 15:00
3,5-Trimethylbenzene	ND	2.9	0.11	µg/Kg-dry 1	01/16/06 15:00
3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dry 1	01/16/06 15:00
3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry 1	01/16/06 15:00
4-Dichlorobenzene	. ND	2.9	0.15	µg/Kg-dry 1	01/16/06 15:00
2-Dichloropropane	ND	2.9	0.11	µg/Kg-dry 1	01/16/06 15:00
Butanone	ND	12	0.16	µg/Kg-dry 1	01/16/06 15:00
Chiorotoluene	ND	2.9	80.0	µg/Kg-dry 1	01/16/06 15:00
Hexanone	ND	5.9	0.26	µg/Kg-dry 1	01/16/06 15:00
Chlorotoluene	ND	2.9	0.19	µg/Kg-dry 1	01/16/06 15:00
Methyl-2-pentanone	ND	5.9	0.28	µg/Kg-dry 1	01/16/06 15:00
cetone	2.1 J	12	0.46	µg/Kg-dry 1	01/16/06 15:00
enzene	ND	2.9	0.11	µg/Kg-dry 1	01/16/06 15:00
omobenzene	ND	2.9	0.18	µg/Kg-dry 1	01/16/06 15:00
omochloromethane	ND	2.9	0.19	µg/Kg-dry 1	01/16/06 15:00
romodichloromethane	ND	2.9	0.09	µg/Kg-dry 1	01/16/06 15:00
romoform romomethane	ND ND	2.9 5.9	0.07 0.35	µg/Kg-dry 1 µg/Kg-dry 1	01/16/06 15:00 01/16/06 15:00
Qualifiers: B Analyte detected in the		and the second sec		Value exceeds the instrument calib	ration range
H Holding times for pre ND Not Detected at the P				Analyte detected below the PQL Prim./Conf. column %D or RPD ex	cceeds limit

#### 5000 Brittonfield Parkway, Suite 200 StateCertNo: 10155 East Syracuse, NY 13057 (315) 437-0200 Lab ID: 0601049-005A CLIENT: O'Brien & Gere Engineers, Inc. Client Sample ID: BH-22-S Geneva Foundry **Project: Collection Date:** 01/10/06 13:00 W Order: 0601049 01/12/06 7:50 Date Received: SOIL Matrix: PrepDate: Sample Size: 5 g MS03 10 Inst. ID: **BatchNo:** R4188 %Moisture: 14.8 ColumnID: Rtx-VMS 1-SAMP-J8216.D FileID: 8260S TAGML **Revision:** 01/20/06 9:58:21 A TestCode: **Date Analyzed** Units DF MDL **Result Qual PQL** Analyte SW8260B VOLATILE ORGANIC COMPOUNDS BY GC/MS 01/16/08 15:00 µg/Kg-dry 1 0.07 ND 29 Carbon disulfide 01/16/06 15:00 µg/Kg-dry 1 0.13 2.9 Carbon tetrachloride ND ug/Kg-dry 1 01/16/06 15:00 0.11 ND 2.9 Chlorobenzene 01/16/06 15:00 0.34 µg/Kg-dry 1 ND 5.9 Chloroethane 0.05 µg/Kg-dry 1 01/16/06 15:00 2.9 ND Chloroform 01/16/06 15:00 0.45 µg/Kg-dry 1 ND 5.9 Chloromethane 01/16/06 15:00 µg/Kg-dry 1 0.13 cis-1,2-Dichloroethene ND 2.9 01/16/06 15:00 µg/Kg-dry 1 ND 2.9 0.11 cis-1,3-Dichloropropene 01/16/06 15:00 0.15 µg/Kg-dry 1 2.9 ND Dibromochloromethane 01/16/06 15:00 µg/Kg-dry 1 0.13 ND 2.9 Dibromomethane 01/16/06 15:00 µg/Kg-dry 1 0.09 Dichlorodifluoromethane ND 5.9 01/16/06 15:00 0.12 µg/Kg-dry 1 ND 2.9 Ethylbenzene 01/16/06 15:00 ND 5.9 0.46 µg/Kg-dry 1 Hexachlorobutadiene 01/16/06 15:00 0.09 µg/Kg-dry 1 ND 2.9 isopropylbenzene 01/16/06 15:00 0.08 µg/Kg-dry 1 ND 2.9 Methyl tert-butyl ether 01/16/06 15:00 µg/Kg-dry 1 0.47 Methylene chloride 0.68 J 5.9 01/16/06 15:00 µg/Kg-dry 1 ND 2.9 0.14 n-Butylbenzene 01/16/06 15:00 0.11 µg/Kg-dry 1 ND 2.9 n-Propylbenzene 0.43 µg/Kg-dry 1 01/16/06 15:00 5.9 ND Naphthalene 01/16/06 15:00 0.11 µg/Kg-dry 1 ND 2.9 p-isopropyltoluene 01/16/06 15:00 µg/Kg-dry 1 0.15 sec-Butylbenzene ND 2.9 01/16/06 15:00 ND 2.9 0.12 µg/Kg-dry 1 Styrene 01/16/06 15:00 0.15 µg/Kg-dry 1 2.9 ND tert-Butylbenzene µg/Kg-dry 1 01/16/06 15:00 0.16 2.9 NÐ Tetrachloroethene 01/16/06 15:00 0.14 µg/Kg-dry 1 2.9 ND Toluene 01/16/06 15:00 0.12 µg/Kg-dry 1 ND 2.9 trans-1.2-Dichloroethene 01/16/06 15:00 0.11 µg/Kg-dry 1 ND 2.9 trans-1,3-Dichloropropene 0.13 µg/Kg-dry 1 01/16/06 15:00 ND 2.9 Trichloroethene 01/16/06 15:00 0.09 µg/Kg-dry 1 5.9 ND Trichlorofluoromethane 01/16/06 15:00 µg/Kg-dry 1 0.09 ND-5.9 Vinyl chloride 01/16/06 15:00 µg/Kg-dry 1 5.9 0.21 ND Xylenes (total) 01/16/06 15:00 %REC 1 66.1 71-128 0.15 Surr. 1,2-Dichloroethane-d4 %REC 01/16/06 15:00 0.11 1 59-125 57.9 S Surr: 4-Bromofluorobenzene 01/16/06 15:00 %REC 1 40-156 0.21 Surr: Dibromofluoromethane 104 01/16/06 15:00 %REC 1 75-125 0.14 Surr: Toluene-d8 84.8 Value exceeds the instrument calibration range E Analyte detected in the associated Method Blank B Qualifiers: Analyte detected below the PQL J Holding times for preparation or analysis exceeded H Prim/Conf. column %D or RPD exceeds limit Not Detected at the Practical Quantitation Limit (PQL) P ND

S Spike Recovery outside accepted recovery limits

Print Date: 01/20/06 10:10

**Analytical Results** 

### Life Science Laboratories, Inc.

LIENT: O'Brien & Gere Engine roject: Geneva Foundry V Order: 0601049	nom Tere				
fatrix: SOIL	æis, mc.	· · · · · · · · · · · · · · · · ·	Lab ID: Client S Collection Date Re		:00
nst. ID: MS03 10 ColumnID: Rtx-VMS evision: 01/19/06 2:30:18 P	Sample Size: %Moisture: TestCode:		PrepDat BatchNo FileID:		.D
nalyte	Result Qu	al PQL	MDL	Units DF	Date Analyzed
OLATILE ORGANIC COMPOUND	S BY GC/MS	SW	8260B	· .	
1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 17:43
1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 17:43
1,2,2-Tetrachloroethane	ND	2.9	0.19	µg/Kg-dry 1	01/18/06 17:43
1,2-Trichioro-1,2,2- fluoroethane	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 17:43
1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 17:43
1-Dichlcroethane	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 17:43
1-Dichloroethene	ND	2.9	0.1 <del>6</del>	µg/Kg-dry 1	01/18/06 17:43
1-Dichloropropene	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 17:43
2,3-Trichlorobenzene	ND	5.9	0.59	µg/Kg-dry 1	01/18/06 17:43
2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry 1	01/18/06 17:43
2,4-Trichlorobenzene	ND	5.9	0.40	µg/Kg-dry 1	01/18/06 17:43
2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 17:43
2-Dibromo-3-chloropropane	ND	5.9	0.47	µg/Kg-dry 1	01/18/06 17:43
2-Dibromoethane	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 17:43
2-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 17:43
2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 17:43
2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry 1	01/18/06 17:43
3,5-Trimethylbenzene	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 17:43
3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 17:43
3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry 1	01/18/06 17:43
4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry 1	01/18/06 17:43
2-Dichloropropane	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 17:43
-Butanone	ND	12	0.16	µg/Kg-dry 1	01/18/06 17:43
-Butanone -Chlorotoluene	ND	2.9	0.08	µg/Kg-dry 1	01/18/06 17:43
-Chiorotoliane -Hexanone	ND	5.9	0.26	µg/Kg-dry 1	01/18/06 17:43
-riexanone -Chiorotoluene	ND	2.9	0.19	ug/Kg-dry 1	01/18/06 17:43
	ND	5.9	0.28	µg/Kg-dry 1	01/18/06 17:43
-Methyl-2-pentanone cetone	1.7 J	12	0.46	μg/Kg-dry 1	01/18/06 17:43
enzene	ND	2.9	0.11	μg/Kg-dry 1	01/18/06 17:43
romobenzene	ND	2.9	0.18	μg/Kg-dry 1	01/18/06 17:43
romobilizene	ND	2.9	0.19	µg/Kg-dry 1	01/16/06 17:43
romochloromethane	ND	2.9	0.09	μg/Kg-dry 1	01/18/06 17:43
romotorm	ND	2.9	0.07	μg/Kg-dry 1	01/18/06 17:43
romoionn	ND -	5.9	0.35	µg/Kg-dry 1	01/18/06 17:43
· · · · · · · · · · · · · · · · · · ·					
Qualifiers: B Analyte detected in t				ue exceeds the instrument cali	bration range
H Holding times for pro ND Not Detected at the F				lyte detected below the PQL n/Conf. column %D or RPD (	

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**Analytical Results** 

	•	12000	Brittonfield	The selection of the second	Constant.		
		 150111	RENTOTIENT	PRIKWRV.	SHITE	21117	-
۰.	# 4	100,00	The scontractories		COMING .		

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	va Foundry 049			Lab ID:         0601049-005A           Client Sample ID:         BH-22-S           Collection Date:         01/10/06 13:00           Date Received:         01/12/06 7:50				
Inst. ID: ColumnID: Revision:	MS03 10 Rtx-VMS 01/19/06 2:30:18 P	Sample Size %Moisture TestCode:	_	PrepDate: BatchNo: L. FileID:	R424 1-R4	49 A-J8263.D			
Analyte		Result Qu	ial PQL	MDL	Units	DF	Date Analyz		
VOLATILE C		S BY GC/MS	S	N8260B					
Carbon disulfic	de	ND	2.9	0.07	µg/Kg-dry	1	01/18/06 17:43		
Carbon tetract	horide	ND	2.9	0.13	µg/Kg-dry	1	01/18/06 17:43		
Chlorobenzen	e	ND	2.9	0.11	µg/Kg-dry	1.	01/18/06 17:43		
Chloroethane	· .	ND	5.9	0.34	µg/Kg-dry	<b>1</b> 1,	01/18/06 17:43		
Chloroform		ND	2.9	0.05	µg/Kg-dry	1	01/18/06 17:43		
Chloromethan	e	ND	5.9	0.45	µg/Kg-dry	1	01/18/06 17:43		
cis-1,2-Dichlor	oethene	ND	2.9	0.13	µg/Kg-dry	1 .	01/18/06 17:43		
cis-1,3-Dichlor	opropene	ND	2.9	0.11	µg/Kg-dry	1	01/18/06 17:43		
Dibromochloro	omethane	ND	2.9	0.15	µg/Kg-dry	1	01/18/06 17:43		
Dibromometha	ine	ND	2.9	0.13	µg/Kg-dry	<b>1</b> ·	01/18/06 17:43		
Dichlorodifluor	omethane	ND	5.9	0.09	µg/Kg-dry	1 ·	01/18/06 17:43		
Ethylbenzene	•	ND	2.9	0.12	µg/Kg-dry	1	01/18/06 17:43		
lexachiorobut	adiene	ND	5.9	0.46	µg/Kg-dry	1	01/18/06 17:43		
sopropylbenze	ene	ND	2.9	0.09	µg/Kg-dry	1 🖓	01/18/06 17:43		
viethyl tert-but		ND	2.9	0.06	µg/Kg-dry		01/18/06 17:43		
viethyiene chic	•	0.86 J	5.9	0.47	µg/Kg-dry		01/18/06 17:43		
n-Butylbenzen		ND	2.9	0.14	µg/Kg-dry		01/18/06 17:43		
n-Propyibenze		ND	2.9	0.11	µg/Kg-dry		01/18/06 17:43		
Naphthalene		ND	5.9	0.43	µg/Kg-dry		01/18/06 17:43		
-Isopropyltolu	епа	ND	2.9	0.11	µg/Kg-dry		01/18/06 17:43		
sec-Butylbenz		ND	2.9	0.15	μg/Kg-dry		01/18/06 17:43		
Styrene		ND	2.9	0.12	μg/Kg-dry		01/18/06 17:43		
ert-Butylbenze	ene	ND	2.9	0.15	µg/Kg-dry		01/18/06 17:43		
etrachloroeth		ND	2.9	0.16	µg/Kg-dry		01/18/06 17:43		
l'oluene		ND	2.9	0.14	µg/Kg-dry		01/18/06 17:43		
rans-1,2-Dich	Iomathana	ND	2.9	0.12	µg/Kg-dry	1	01/18/06 17:43		
rans-1,3-Dich		ND	2.9	0.11	µg/Kg-dry	1	01/18/06 17:43		
Frichlorcethen	· •	ND	2.9	0.13	µg/Kg-dry		01/18/06 17:43		
richlorofluoro	-	ND	2. <del>9</del> 5.9	0.09	µg/Kg-dry		01/18/06 17:43		
/inyi chloride		ND	5.9	0.09	µg/Kg-dry µg/Kg-dry		01/18/06 17:43		
(yienes (total)	,	ND	5.9	0.05		1	01/18/06 17:43		
• • •	chloroethane-d4	88.2 <sup>-</sup>	5.9 71-128	0.21		1	01/18/06 17:43		
· · ·	nofluorobenzene	51.8 S	59-125	0.15		1.	01/18/06 17:43		
	nofluoromethane	103	40-156	0.11		1	01/18/06 17:43		
Sur: Dibron				0.21 0.14		1	01/18/06 17:43		
oun; totuer	10-00	82.8	75-125	U. 14	70REQ	•	01/10/00 17:43		
Qualifiers:	<ul> <li>B Analyte detected in t</li> <li>H Holding times for pro</li> </ul>				cceeds the instru detected below t		on range		

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander

**Analytical Results** 

CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	neers, Inc.	•	Lab ID: Client Samp Collection D Date Receiv	le ID: B ate: 01	5 <b>01049-(</b> <i>H-22-D</i> //10/06 1: //12/06 7:	3:20
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:21 A	Sample Size %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:		4188 SAMP-J8	217.D
Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyz
OLATILE ORGANIC COMPOUNI	DS BY GC/MS	SW	8260B			
1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dr	y 1	01/16/06 15:35
1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dr	y 1 👘	01/16/06 15:35
1,2,2-Tetrachloroethane	ND	2.9	0.19	µg/Kg-dr	y 1	01/16/06 15:35
,1,2-Trichloro-1,2,2- ifluoroethane	ND	2.9	0.12	µg/Kg-dr		01/16/06 15:35
,1,2-Trichloroethane	ND.	2.9	0.13	µg/Kg-dr		01/16/06 15:35
1-Dichioroethane	ND	2.9	0.12	µg/Kg-dr		01/16/06 15:35
,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dr		01/16/06 15:35
,1-Dichloropropene	ND	2.9	0.12	µg/Kg-dr		01/16/06 15:35
2,3-Trichiorobenzene	ND	5.8	0.58	µg/Kg-dr		01/16/06 15:35
2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dr		01/16/06 15:35
2,4-Trichlorobenzene	ND	5.8	0.40	µg/Kg-dr	•	01/16/06 15:35
2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dr		01/16/08 15:35
2-Dibromo-3-chloropropane	ND	5.8	0.47	µg/Kg-dr		01/16/08 15:35
2-Dibromoethane	ND	2.9	0.10	µg/Kg-dr		01/16/06 15:35
2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dr	-	01/16/06 15:35
2-Dichloroethane	ND	2.9	0.12	µg/Kg-dr		01/16/06 15:35
2-Dichloropropane	ND	2.9	0.09	µg/Kg-dr		01/16/06 15:35
3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dr		01/16/06 15:35
3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dr		01/16/06 15:35
3-Dichloropropane	ND	2.9	0.09	µg/Kg-dr		01/16/08 15:35
4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dr		01/16/06 15:35
2-Dichloropropane	ND	2.9	0.10	µg/Kg-dr		01/16/06 15:35 01/16/06 15:35
-Butanone	ND	12	0.16	µg/Kg-dr	-	01/16/06 15:35
-Chlorotoluene	ND	2.9	0.06	µg/Kg-dr µg/Kg-dr		01/16/06 15:35
-Hexanone	ND	5.8 2.9	0.26 0.19	µg/Kg-ar µg/Kg-dr	-	01/16/06 15:35
-Chiorotoluene	ND	2.9 5.8	0.19	µg/Kg-dr µg/Kg-dr	-	01/16/06 15:35
-Methyl-2-pentanone cetone	ND 2.0 J	5.8 12	0.26	μg/Kg-dr	-	01/16/06 15:35
enzene		12 2.9	0.45	µg/Kg-dr		01/16/06 15:35
romobenzene	ND ND	2.9 2.9	0.10	µg/Kg-dr		01/16/06 15:35
romochloromethane	ND	2.9	0.19	µg/Kg-dr		01/16/06 15:35
romodichloromethane	ND	2.9	0.09	µg/Kg-dr		01/16/06 15:35
romoform	ND	2.9	0.03	µg/Kg-dr		01/16/06 15:35
romomethane	ND	2. <del>9</del> 5.8	0.35	µg/Kg-dr		01/16/06 15:35
Qualifiers: B Analyte detected in H Holding times for pr				eeds the inst		ibration range

S Spike Recovery outside accepted recovery limits

East Sy	racuse, NY 1305	7 (315	) 437-0200		St	ateCertN	lo: 10155
		ers, Inc.			ample ID: on Date:	<b>0601049-</b> <b>BH-22-1</b> 01/10/06 1 01/12/06 7	<b>D</b> 13:20
inst. ID: MS0	3 10	Sample Size	:5g	PrepDa	te:		· .
ColumnID: Rtx-	VMS	%Moisture	14.3	BatchN	<b>o:</b> ]	R4188	•
Revision: 01/2	0/06 9:58:21 A	TestCode:	8260S TAGML	FileD:		1-SAMP-J	8217.D
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
OLATILE ORGA		BY GC/MS	SW	8260B			
Carbon disulfide	· · · · · · · · · · · · · · · · · · ·	ND	2.9	0.07	µg/Kg⊣	dry 1	01/16/06 15:35
Carbon tetrachioride		ND	2.9	0.13	µg/Kg⊣	-	01/16/06 15:35
Chlorobenzene	,	ŇD	2.9	0.10	µg/Kg⊣	-	01/16/06 15:35
Chloroethane		ND .	5.8	0.34	μg/Kg⊣	-	01/16/06 15:35
chloroform		ND	2.9	0.05	μg/Kg⊣	-	01/16/06 15:35
hloromethane		ND	5.8	0.44	µg/Kg⊣	-	01/16/06 15:35
is-1,2-Dichloroethe	1e	ND	2.9	0.13	µg/Kg⊣		01/16/06 15:35
is-1,3-Dichloroprop		ND	2.9	0.10	µg/Kg⊣	-	01/16/06 15:35
bibromochloromethe		ND	2.9	0.15	µg/Kg⊣		01/16/06 15:35
biomomethane		ND	2.9	0.13	µg/Kg-		01/16/06 15:35
ichlorodifluorometh	ane	ND	5.8	0.09	µg/Kg-		01/16/06 15:35
thylbenzene		ND	2.9	0.12	µg/Kg⊣		01/16/06 15:35
lexachlorobutadien	-	ND	5.8	0.45	μg/Kg-		01/16/06 15:35
sopropylbenzene		ND	2.9	0.09	µg/Kg-	-	01/16/06 15:35
lethyl tert-butyl ethe	r	ND	2.9	0.08	µg/Kg-		01/16/06 15:35
lethylene chloride	-	ND	5.8	0.47	µg/Kg-		01/16/06 15:35
-Butylbenzene		ND	2.9	0.14	µg/Kg-		01/16/06 15:35
-Propylbenzene	· · ·	ND	2.9	0.10	µg/Kg-		01/16/06 15:35
laphthalene		ND	5.8	0.43	µg/Kg-		01/16/06 15:35
-isopropyitoluene		ND	2.9	0.10	μg/Kg-	-	01/16/06 15:35
ec-Butylbenzene		ND	2.9	0.15	μg/Kg-	-	01/16/06 15:35
lyrene		ND ND	2.9	0.12	µg/Kg-		01/16/06 15:35
ert-Butylbenzene		ND	2.9	0.15	µg/Kg-	-	01/16/06 15:35
etrachioroethene		ND	2.9	0.16	µg/Kg-		01/16/06 15:35
oluene		ND	2.9	0.14	µg/Kg-		01/16/06 15:35
ans-1,2-Dichloroeth		ND	2.9	0.12	µg/Kg-		01/16/06 15:35
rans-1,3-Dichloropn		ND	2. <del>5</del> 2.9	0.12	µg/Kg-	•	01/16/06 15:35
richloroethene	Acue	ND	2.9	0.10	μ <b>9/Kg</b> -		01/16/06 15:35
richlorofluoromethe	, ne	ND	2.9 . 5.8	0.13	µg/Kg- µg/Kg-		01/16/06 15:35
finyl chloride		ND	5.8	0.09	µg/Kg-		01/16/06 15:35
(ylenes (total)		ND	5.8	0.03	μg/Kg-		01/16/06 15:35
Surr: 1,2-Dichloro	athana_d4	87.8	5.6 71-128	0.21	µy/∿y− %REC	-	01/16/06 15:35
Surr: 1,2-Dichloro		56.0 S	59-125	0.15	%REC		01/16/06 15:35
Sur: 4-Biomonuo Sur: Dibromofluo		56.0 S 104	40-156	0.10	%REC		01/16/06 15:35
Sur: Dibromonuo Sur: Toluene-d8	VIIICUIAIIC	86.3	40-150 75-125	0.21	%REC		01/16/06 15:35
Qualifiares B	Analyte detected in the				e exceeds the i	nstrument ca	libration range
Qualifiers: B H	Holding times for prep				lyte detected be		
п	mound mues tot bleb	manon or sustailys	S GAUGGUGU	- 1118		TAU WE LAD	1

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**Analytical Results** 

CLIENT: O'Brien & Gere Eng Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	ineers, Inc.	· .	Lab ID: Client Samp Collection I Date Receiv	ole ID: <b>B</b> ) Date: 01	<b>01049-(</b> <b>H-22-D</b> /10/06 1: /12/06 7:	) 3:20
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:		249 RA-J826	4.D
Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyze
VOLATILE ORGANIC COMPOUN	NDS BY GC/MS	SW	8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1	01/18/06 18:18
,1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry	1	01/18/06 18:18
,1,2,2-Tetrachioroethane	ND ·	2.9	0.19	µg/Kg-dry	<b>`1</b>	01/18/06 18:18
,1,2-Trichloro-1,2,2- rifluoroethane	ND	2.9	0.12	µg/Kg-dry	1	01/18/06 18:18
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1	01/18/06 18:18
,1-Dichloroethane	ND	2.9	0.12	_µg/Kg-dry	1	01/18/06 18:18
,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1	01/18/06 18:18
,1-Dichloropropene	ND	2.9	0.12	µg/Kg-dry	1	01/18/06 18.18
,2,3-Trichlorobenzene	ND	5.8	0.58	µg/Kg-dry	1	01/18/06 18:18
,2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry	1	01/18/06 18:18
,2,4-Trichlorobenzene	ND	5.8	0.40	µg/Kg-dry	1	01/18/06 18:18
,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1	01/18/06 18:18
,2-Dibromo-3-chloropropane	ND	5.8	0.47	µg/Kg-dry	1	01/18/06 18:16
,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry	1	01/18/06 18:18
,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry	1	01/18/06 18:18
,2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1	01/18/06 18:18
,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1	01/18/06 18:18
,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry	1	01/18/06 18:18
,3-Dichlorobenzene	• ND	2.9	0.12	µg/Kg-dry	1 .	01/18/06 18:18
,3-Dichloropropane	ND	2.9	0.09	µg <b>/Kg-d</b> ry	1	01/18/06 18:18
,4-Dichlorobenzene	ND	2.9	0.15	. µg/Kg-dry	1	01/18/06 18:18
,2-Dichloropropane	ND	2.9	0.10	µg/Kg-dry	1	01/18/06 18:18
-Butanone	ND	12	0.16	µg/Kg-dry	1	01/18/05 18:18
-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1	01/18/06 18:18
-Hexanche	NÐ	5.8	0.26	µg/Kg-dry	1	01/18/06 18:18
-Chlorotoluene	ND	2.9	0.19	µg/Kg-dry	1	01/18/06 18:18
-Methyl-2-pentanone	ND	5.8	0.28	µg/Kg-dry	1	01/18/06 18:18
cetone	1.3 J	12	0.45	µg/Kg-dry	1	01/18/08 18:18
enzene	ND	2.9	0.10	µg/Kg-dry	1	01/18/06 18:18
romobenzene	ND	2.9	0.17	µg/Kg-dry	1	01/18/06 18:18
romochloromethane	ND	2.9	0.19	µg/Kg-dry	1	01/18/06 18:18
romodichloromethane	ND	2.9	0.09	µg/Kg-dry	1	01/18/06 18:18
romoform	ND	2.9	0.07	µg/Kg-dry	1	01/18/06 18:18
romomethane	ND	5.8	0.35	µg/Kg-dry	1	01/18/06 16:18
Qualifiers: B Analyte detected in	the associated Metho	ed Blank	E Value exc	eeds the instr	ument cali	bration range

S Spike Recovery outside accepted recovery limits

East Syracuse, NY 1.	3057 (315	) 437-0200		State	CertNo	»: 10155
CLIENT: O'Brien & Gere Eng	ineers, Inc.		Lab ID:		)1049-(	
<b>Troject:</b> Geneva Foundry		•		mple ID: BH		
V Order: 0601049 /iatrix: SOIL			Collection Date Rec		10/06 13 12/06 73	
		_			12/00 7.	.50
nst. ID: MS03 10	Sample Size	-	PrepDate	· .	40	
ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	%Moisture: TestCode:	14.3 8260S TAGML	BatchNo: FileID:		49 A-J8264	4 D
nalyte	Result Qu	·····	MDL		DF	Date Analyze
······				Onis		Date Analyza
OLATILE ORGANIC COMPOUN			82608			04/40/00 40 40
arbon disulfide	ND	2.9	0.07	µg/Kg-dry ug/Kg-day		01/18/06 18:18
arbon tetrachloride	ND	2.9	0.13	µg/Kg-dry ⊎a∕Ka-dau		01/18/06 18:18
hiorobenzene	ND	2.9	0.10	µg/Kg-dry		01/18/06 18:18 01/18/06 18:19
hioroethane hioroform	ND	5.8	0.34	µg/Kg-dry		01/18/06 18:18
nioronom hioromethane	ND	2.9	0.05	µg/Kg-dry µa/Ka-day		01/18/06 18:18
n:orometnane s-1,2-Dichloroethene	ND ND	5.8 2.9	0.44 0.13	µg/Kg-dry µg/Kg-dry		01/18/06 18:18
s-1,3-Dichloropropene	ND	2.9	0.13	µg/Kg-dry		01/18/06 18:18
ibromochloromethane	ND	2.9	0.15	µg/Kg-dry		01/18/06 18:18
ibromomethane	ND .	2.9	0.13	µg/Kg-dry		01/18/06 18:18
ichlorodifluoromethane	ND	5.8	0.09	µg/Kg-dry		01/18/06 18:18
thylbenzene	ND	2.9	0.12	µg/Kg-dry		01/18/06 18:18
exachlorobutadiene	ND	2. <del>9</del> 5.8	0.45	µg/Kg-dry		01/18/06 18:18
opropylbenzene	ND	2.9	0.09	µg/Kg-dry		01/18/06 18:18
ethyl tert-butyl ether	ND	2.9	0.08	µg/Kg-dry		01/18/08 18:18
ethylene chloride	0.70 J	5.8	0.47	µg/Kg-dry		01/18/06 18:18
Butylbenzene	ND	2.9	0.14	µg/Kg-dry		01/18/06 18:18
Propylbenzene	ND	2.9	0.10	µg/Kg-dry		01/18/06 18:18
aphthalene	ND	5.8	0.43	µg/Kg-dry	•	01/18/06 18:18
isopropyitoluene	ND	2.9	0.10	µg/Kg-dry		01/18/06 18:18
ec-Butylbenzene	ND	2.9	0.15	µg/Kg-dry		01/18/06 18:18
tyrene	ND	2.9	0.12	µg/Kg-dry		01/18/06 18:18
rt-Butylbenzene	ND	2.9	0.15	µg/Kg-dry		01/18/06 18:18
etrachioroethene	ND	2.9	0.16	µg/Kg-dry		01/18/06 18:18
oluene	ND	2.9	0.14	µg/Kg-dry		01/18/06 18:18
ans-1,2-Dichloroethene	ND	2.9	0.12	µg/Kg-dry		01/18/06 18:18
ans-1,3-Dichloropropene	ND	2.9	0.10	µg/Kg-dry		01/18/06 18:18
ichloroethene	ND	2.9	0.13	µg/Kg-dry		01/18/06 18:18
richlorofluoromethane	ND	5.8	0.09	µg/Kg-dry		01/18/06 18:18
inyl chloride	ND	5.8	0.09	µg/Kg-dry		01/18/06 18:18
vienes (total)	ND	5.8	0.21	µg/Kg-dry		01/18/06 18:18
Sun: 1,2-Dichloroethane-d4	88.7	71-128	0.15	%REC	<b>1</b> '	01/18/06 18:18
Surr: 4-Bromofluorobenzene	53.7 S	59-125	0.10	%REC	1	01/18/06 18:18
Sur: Dibromofluoromethane	103	40-156	0.21	%REC	1	01/18/06 18:18
Sun: Toluene-d8	83.0	7 <b>5</b> -125	0.14	%REC	1	01/18/06 18:18
Qualifiers: B Analyte detected in	the associated Metho	- d Dlaula	E Value	exceeds the instru	ment cali	ibration manga

LSL5000 Brittonfield Parkway, Suite 200East Syracuse, NY 13057(315) 437-0200CLIENT:O'Brien & Gere Engineers, Inc.Project:Geneva FoundryW Order:0601049Matrix:SOIL			StateCertNo: 10155           Lab ID:         0601049-007A           Client Sample ID:         BH-23-S           Collection Date:         01/10/06 14:00           Date Received:         01/12/06 7:50			
Analyte	Result Qu	ial PQL	MDL	Units	DF	Date Analyze
OLATILE ORGANIC COMPOUND	S BY GC/MS	SW	8260B			
1,1,1,2-Tetrachloroethane	ND	6.7	0.29	µg/Kg-dry	2.5	01/16/06 20:14
1,1,1-Trichloroethane	ND	6.7	0.27	µg/Kg-dry		01/16/06 20:14
I,1,2,2-Tetrachloroethane	ND	6.7	0.43	µg/Kg-dry		01/16/06 20:14
1,1,2-Trichloro-1,2,2- rifluoroethane	ND	6.7	0.27	µg/Kg-dry		01/16/06 20:14
I,1,2-Trichloroethane	ND	6.7	0.29	µg/Kg-dry	2.5	01/16/06 20:14
,1-Dichloroethane	ND ·	6.7	0.27	µg/Kg-dry	2.5	01/16/06 20:14
,1-Dichloroethene	ND	6.7	0.37	µg/Kg-dry	2.5	01/16/06 20:14
,1-Dichloropropene	ND	6.7	0.27	µg/Kg-dry	2.5	01/16/06 20:14
,2,3-Trichlorobenzene	ND	13	1.3	µg/Kg-dry	2.5	01/16/06 20:14
,2,3-Trichloropropane	ND	6.7	0.45	µg/Kg-dry		01/16/06 20:14
,2,4-Trichlorobenzene	ND	13	0.91	µg/Kg-dry		01/16/06 20:14
,2,4-Trimethylbenzene	ND	6.7	0.29	µg/Kg-dry		01/16/06 20:14
,2-Dibromo-3-chloropropane	ND	13	1.1	µg/Kg-dry		01/16/06 20:14
,2-Dibromoethane	ND	6.7	0.24	µg/Kg-dry		01/16/06 20:14
,2-Dichlorobenzene	ND	6.7	0.24	µg/Kg-dry		01/16/08 20:14
,2-Dichloroethane	ND	6.7	0.27	µg/Kg-dry		01/16/06 20:14
,2-Dichloropropane	ND	6.7	0.21	µg/Kg-dry		01/16/06 20:14
,3,5-Trimethylbenzene	ND	6.7	0.24	µg/Kg-dry		01/16/06 20:14
.3-Dichlorobenzene	ND	6.7	0.27	µg/Kg-dry		01/16/06 20:14
,3-Dichloropropane	ND	6.7	0.21	µg/Kg-dry		01/16/06 20:14
,4-Dichlorobenzene	ND	6.7	0.35	μg/Kg-dry		01/16/06 20:14
2.2-Dichloropropane	ND	6.7	0.24	µg/Kg-dry		01/16/06 20:14
	ND	27	0.37	μg/Kg-dry		01/16/06 20:14
2-Chlorotoluene	ND	6.7	0.19	μg/Kg-dry		01/16/08 20:14
-Hexanone	ND	13	0.59	µg/Kg-dry		01/16/06 20:14
	ND	6.7	0.43	µg/Kg-dry		01/16/06 20:14
	ND	13	0.64	µg/Kg-dry		01/16/06 20:14
Acetone	5.5 J	27	.1.0	μg/Kg-dry		01/16/06 20:14
lenzene	ND	6.7	0.24	µg/Kg-dry		01/16/06 20:14
romobenzene	ND	6.7	0.40	µg/Kg-dry		01/16/06 20:14
Iromochloromethane	ND	6.7	0.43	µg/Kg-dry		01/16/06 20:14
romodichloromethane	ND	6.7	0.21	µg/Kg-dry		01/16/06 20:14
Bromoform	ND	6.7	0.16	µg/Kg-dry		01/16/06 20:14
Bromomethane	<sup>·</sup> ND	13	0.80	µg/Kg-dry		01/16/06 20:14
B       Analyte detected in the associated Method Blank         H       Holding times for preparation or analysis exceeded         ND       Not Detected at the Practical Quantitation Limit (PQL)			<ul> <li>E Value exceeds the instrument calibration range</li> <li>J Analyte detected below the PQL</li> <li>P Prim/Conf. column %D or RPD exceeds limit</li> </ul>			

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East Syracuse, NY 130	57 (315)	437-0200		State	CertNo:	10155	
CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	eers, Inc.		Lab ID:         0601049-007A           Client Sample ID:         BH-23-S           Collection Date:         01/10/06 14:00           Date Received:         01/12/06 7:50				
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:21 A	Sample Size: %Moisture: TestCode:		Batc	Date: :hNo: R41 D: 1-S.	188 AMP-J82	25.D	
Analyte	Result Qu		MDL	_ Units	DF	Date Analyze	
VOLATILE ORGANIC COMPOUNE	S BY GC/MS	SV	8260B	3			
Carbon disulfide	ND	6.7	0.16	µg/Kg-dry	2.5	01/16/06 20:14	
Carbon tetrachloride	ND	6.7	0.29	µg/Kg-dry		01/16/06 20:14	
Chlorobenzene	ND	6.7	0.24	µg/Kg-dry		01/16/06 20:14	
Chloroethane	ND	13	0.77	µg/Kg-dry		01/16/06 20:14	
Chloroform	ND	6.7	0.11	µg/Kg-dry		01/16/06 20:14	
hloromethane	ND	13	1.0	µg/Kg-dry		01/16/06 20:14	
is-1,2-Dichloroethene	ND	6.7	0.29	µg/Kg-dry	2.5	01/16/06 20:14	
is-1,3-Dichloropropene	ND	6.7	0.24	µg/Kg-dry	2.5	01/16/06 20:14	
ibromochloromethane	ND	6.7	0.35	µg/Kg-dry	2.5	01/16/06 20:14	
ibromomethane	ND	6.7	0.29	µg/Kg-dry	2.5	01/16/06 20:14	
ichlorodifluoromethane	ND	13	0.21	µg/Kg_dry	2.5	01/16/06 20:14	
thylbenzene	ND	6.7	0.27	µg/Kg-dry	2.5	01/16/06 20:14	
lexachlorobutadiene	ND	13	1.0	µg/Kg-dry	2.5	01/16/06 20:14	
sopropylbenzen <del>e</del>	ND	6.7	0.21	µg/Kg-dry	2.5	01/16/06 20:14	
lethyl tert-butyl ether	ND	6.7	0.19	µg/Kg-dry	2.5	01/16/06 20:14	
lethylene chloride	1.4 J	13	1.1	µg/Kg-dry	2.5	01/16/06 20:14	
-Butyibenzene	ND	6.7	0.32	µg/Kg-dry.	2.5	01/16/06 20:14	
-Propylbenzene	ND	6.7	0.24	µg/Kg-dry	2.5	01/16/06 20:14	
laphthalene	8.1 J	13	0.99	μg/Kg-dr <b>y</b>	2.5	01/16/06 20:14	
-isopropyttoluene	ND	6.7	0.24	µg/Kg-dry	2.5	01/16/06 20:14	
ec-Butylbenzene	ND	6.7	0.35	μg/Kg-dry	2.5	01/16/06 20:14	
tyrene	ND	8.7	0.27	µg/Kg-dry		01/16/06 20:14	
ert-Butylbenzene	ND	6.7	0.35	μg/Kg-dry		01/16/06 20:14	
etrachloroethene	ND	6.7	0.37	µg/Kg-dry	•	01/16/06 20:14	
oluene	ND	6.7	0.32	µg/Kg-dry		01/16/06 20:14	
ans-1,2-Dichloroethene	ND	6.7	0.27	µg/Kg-dry		01/16/06 20:14	
ans-1,3-Dichloropropene	ND .	6.7	0.24	µg/Kg-dry		01/16/06 20:14	
richloroethene	ND	6.7	0.29	µg/Kg-dry		01/16/06 20:14	
richlorofluoromethane	ND	13	0.21	μg/Kg-dry		01/16/06 20:14	
Inyl chloride	ND	13	0.21	µg/Kg-dry		01/16/06 20:14	
ylenes (total)	ND	13	0.48	µg/Kg-dry	2.5	01/16/06 20:14	
Surr. 1,2-Dichloroethane-d4	92.0	71-128	0.35	%REC	2.5	01/16/06 20:14	
Surr. 4-Bromofluorobenzene	57.2 S	59-125	0.24	%REC	2.5	01/16/06 20:14	
Surr. Dibromofluoromethane	107	40-156	0.48	%REC	2.5	01/16/06 20:14	
Surr: Toluene-d8	86.1	75-125	0.32	%REC	2.5	01/16/06 20:14	
Qualifiers: B Analyte detected in the	ne associated Metho	d Blank		Value exceeds the instru		ation range	
H Holding times for pre	paration or analysis	exceeded	J	Analyte detected below:	the PQL		
ND Not Detected at the P S Spike Recovery outsi	ractical Quantitatio: de accepted recover		PI	Prim./Conf. column %D	or RPD ex	ceeds limit	

East Syracuse, NY 1	3057 (315) 437-	0200	StateCertNo: 10155				
CLIENT: O'Brien & Gere Eng Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	gineers, Inc.	Lab ID:         0601049-007A           Client Sample ID:         BH-23-S           Collection Date:         01/10/06 14:00           Date Received:         01/12/06 7:50					
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	Sample Size: 2.04 %Moisture: 6.2 TestCode: 8260	Ba		R4249 I-RA-J8265.I	<b>.</b>		
Analyte	Result Qual P(			DF	Date Analyzed		
OLATILE ORGANIC COMPOU		SW8260					
,1,1,2-Tetrachloroethane	ND 6.5			lry 2.45	01/18/06 18:53		
1.1-Trichlorosthane	ND 6.5	0.26		iry 2.45	01/18/06 18:53		
,1,2,2-Tetrachloroethane	ND 6.5	0.42		iry 2.45	01/18/06 18:53		
,1,2-Trichloro-1,2,2- ifluoroethane	ND 6.5	0.26		lry 2.45	01/18/06 18:53		
,1,2-Trichloroethane	ND 6.5	0.29	) µg/Kg-c	iry 2.45	01/18/06 18:53		
1-Dichloroethane	ND 6.5	0.26		iry 2.45	01/18/06 18:53		
,1-Dichloroethene	ND 6,5	0.37	γ μg/Kg-c	iry 2.45	01/18/06 18:53		
1-Dichloropropene	ND 6.5	0.26		iry 2.45	01/18/06 18:53		
2,3-Trichlorobenzene	ND 13	1.3		iry 2.45	01/18/06 18:53		
2,3-Trichloropropane	ND 6.5	0.44	μg/Kg-d	lry 2.45	01/18/06 18:53		
2,4-Trichlorobenzene	ND 13	0.89	) µg/Kg-d	lry 2.45	01/16/06 18:53		
2,4-Trimethylbenzene	2.1 J 6.5	0.29	) µg/Kg-d	lry 2.45	01/18/06 18:53		
2-Dibromo-3-chloropropane	ND 13	1.0	µg/Kg-d	iry 2.45	01/18/06 18:53		
2-Dibromoethans	ND 6.5	0.24	μ <b>g/Kg</b> -d	iry 2.45	01/18/06 18:53		
2-Dichlorobenzene	ND 6.5	0.24	μg/Kg-d	iry 2.45	01/18/06 18:53		
2-Dichloroethane	ND 6.5	0.26	i μg/Kg-d	iry 2.45	01/18/06 18:53		
,2-Dichloropropane	ND 6.5	0.21		lry 2.45	01/18/06 18:53		
,3,5-Trimethylbenzene	ND 6.5	0.24		<b>iry 2</b> .45	01/18/06 18:53		
3-Dichlorobenzene	ND 6.5	0.26		lry 2.45	01/18/06 18:53		
3-Dichloropropane	ND 6.5	0.21	μ <b>g/Kg-d</b>	lry 2.45	01/18/06 18:53		
4-Dichlorobenzene	ND 6.5	0.34	μ <b>g/Kg-d</b>	lry 2.45	01/18/06 18:53		
2-Dichloropropane	ND 6.5	0.24		iry 2.45	01/18/06 18:53		
-Butanone	ND 26	0.37	′ μg/Kg-d	lry 2.45	01/18/06 18:53		
-Chlorotoluene	ND 6.5	0.18	µg/Kg-d	<b>iry 2.45</b>	01/18/06 18:53		
Hexanone	ND 13	0.57	• • -	<b>iry 2.45</b>	01/18/06 18:53		
Chiorotoluene	ND 6.5	0.42		<b>Iry 2.45</b>	01/18/06 18:53		
Methyl-2-pentanone	ND 13	0.63		lry 2.45	01/18/06 18:53		
cetone	2.8 J 26	1.0		iry 2.45	01/18/06 18:53		
enzene	ND 6.5	0.24		lry 2.45	01/18/06 18:53		
	ND 6.5	0.39		lry 2.45	01/18/06 18:53		
romochloromethane	ND 6.5	0.42		lry 2.45	01/18/06 18:53		
romodichioromethane	ND 6.5	0.21		iry 2.45	01/18/06 18:53		
romomethane	ND 6.5 ND 13	0.16 0.78		iry 2.45 iry 2.45	01/18/06 18:53 01/18/06 18:53		
Qualifiers: B Analyte detected in	the associated Method Blanl		Value exceeds the in	strument calibra	tion range		
<b>Z</b>	preparation or analysis exceed		Analyte detected belo		· · · · · · · · · · · · · · · · · · ·		
	Practical Quantitation Limit		Prim./Conf. column	-	eeds limit		
	tside accepted recovery limits						

ColumnID: Rt Revision: 01 Analyte VOLATILE ORC Carbon disulfide Carbon disulfide Carbon tetrachlori Chlorobenzene Chlorobenzene Chloroform Chloroform Chloroform Chloroform Chloroformethane Dibromometha	/19/06 2:30:18 P GANIC COMPOUND	Sample Size: %Moisture: TestCode: Result Qua	6.2 8260S TAGML	PrepDate: BatchNo: FileID:		249	
Carbon disulfide Carbon tetrachlori Chlorobenzene Chlorothane Chloroform Chloromethane cis-1,2-Dichloroett cis-1,2-Dichloropr Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloropr Dibromochloromet			al POL			A-J8265	.D
Carbon disulfide Carbon tetrachlori Chlorobenzene Chlorothane Chloroform Chloromethane cis-1,2-Dichloroett cis-1,2-Dichloropr Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloromet Dibromochloropr Dibromochloromet				MDL	Units	DF	Date Analyzed
Carbon tetrachlori Chlorobenzene Chlorobenzene Chloroform Chloromethane cis-1,2-Dichloroett cis-1,3-Dichloropre Dibromomethane Dichlorodifluorome Ethylbenzene Hexachlorobutadie sopropylbenzene Methyl tet-butyl et Methylene chloride n-Butylbenzene n-Propylbenzene		IS BY GC/MS	SW	8260B			
Chlorobenzene Chloroform Chloroform Chloromethane cis-1,2-Dichloroett cis-1,3-Dichloropre Dibromomethane Dibromomethane Dichlorodifluorome Ethylbenzene Hexachlorobutadie sopropylbenzene Methyl tert-butyl et Methylene chloride n-Butylbenzene 1-Propylbenzene		ND	6.5	0.16	µg/Kg-dry	2.45	01/18/06 18:53
Chloroethane Chloroform Chloromethane cis-1,2-Dichloroeth cis-1,3-Dichloropro Dibromochloromethane Dichlorodifluorome Ethylbenzene Hexachlorobutadie sopropylbenzene Methyl tert-butyl et Methylene chloride n-Butylbenzene	de	ND	6.5	0.29	µg/Kg-dry		01/18/06 18:53
Chloroform Chloromethane chloromethane cis-1,2-Dichloroeth cis-1,3-Dichloropm Dibromochloromethane Dichlorodifluoromethane Dichlorodifluoromethane Dichlorodifluoromethane Chlorodifluoromethane thylbenzene Aethyl tert-butyl eth Aethylene chloride a-Butylbenzene Propylbenzene	• *	ND	6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
Chloromethane cis-1,2-Dichloroeth cis-1,3-Dichloropro Dibromochloromethane Dichlorodifluorome Ethylbenzene Hexachlorobutadie sopropylbenzene Methyl tert-butyl et Methylene chloride n-Butylbenzene I-Propylbenzene		ND	13	0.76	µg/Kg-dry	2.45	01/18/06 18:53
cis-1,2-Dichloroett cis-1,3-Dichloropre Dibromochloromet Dibromomethane Dichlorodifluorome Ethylbenzene Hexachlorobutadie sopropylbenzene Methyl tert-butyl et Methylene chloride n-Butylbenzene I-Propylbenzene		ND	6.5	0.10	∙µg/Kg-dry		01/18/06 18:53
cis-1,3-Dichloropro Dibromochloromei Dibromomethane Dichlorodifluorome Ethylbenzene Iexachlorobutadie sopropylbenzene Methyl tert-butyl et Methylene chloride n-Butylbenzene I-Propylbenzene		ND .	<del>1</del> 3	0.99	µg/Kg-dry	2.45	01/18/06 18:53
Dibromochloromet Dibromomethane Dichlorodifluorome Ethylbenzene Hexachlorobutadie sopropylbenzene Methyl tert-butyl et Methylene chloride H-Butylbenzene H-Propylbenzene		ND	6.5	0.29	µg/Kg-dry		01/18/06 18:53
Dibromomethane Dichlorodifluorome Ethylbenzene Hexachlorobutadie sopropylbenzene Methyl tert-butyl et Methylene chloride H-Butylbenzene H-Propylbenzene	-	ND ·	6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
Dichlorodifluoroma Ethylbenzene Iexachlorobutadia sopropylbenzene Aethyl tert-butyl et Aethylene chlorida I-Butylbenzene I-Propylbenzene	thane	ND	6.5	0.34	µg/Kg-dry		01/18/06 18:53
Ethylbenzene Iexachlorobutadie sopropylbenzene Methyl tert-butyl et Methylene chloride I-Butylbenzene I-Propylbenzene		ND	6.5	0.29	µg/Kg-dry	2.45	01/18/06 18:53
lexachlorobutadie sopropylbenzene Aethyl tert-butyl et Aethylene chloride -Butylbenzene -Propylbenzene	əthanə	ND	13	0.21	µg/Kg-dry	2.45	01/18/06 18:53
sopropylbenzene Aethyl tert-butyl et Aethylene chloride I-Butylbenzene I-Propylbenzene		ND	6.5	0.26	µg/Kg-dry		01/18/06 18:53
Aethyl tert-butyl ei Aethylene chloride I-Butylbenzene I-Propylbenzene		ND	13	1.0	µg/Kg-dry	2.45	01/18/06 18:53
Methylene chlorida -Butylbenzene -Propylbenzene		ND	6.5	0.21	µg/Kg-dry	2.45	01/18/06 18:53
-Butylbenzene -Propylbenzene	ther	ND	6.5	0.18	µg/Kg-dry	2.45	01/18/06 18:53
-Propylbenzene	Ð	2.0 J	13	1.0	µg/Kg-dry	2.45	01/18/06 18:53
• •		ND	6.5	0.31	µg/Kg-dry	2.45	01/18/06 18:53
		ND ·	6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
Naphthalene		5.7 J	13	0.97	i µg∕Kg-dry	2.45	01/18/06 18:53
o-isopropyltoluene	•	ND	6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
ec-Butylbenzene		ND	6.5	0.34	µg/Kg-dry	2.45	01/18/06 18:53
Styrene		ND	6.5	0.26	µg/Kg-dry	2.45	01/18/06 18:53
ert-Butylbenzene	* .	ND	6.5	0.34	µg/Kg-dry	2.45	01/18/06 18:53
Tetrachioroethene		ND	6.5	0.37	µg/Kg-dry	2.45	01/18/06 18:53
loiuene	· · ·	ND	6.5	0.31	µg/Kg-dry	2.45	01/18/06 18:53
rans-1,2-Dichloro	ethene	. ND	6.5	0.26	µg/Kg-dry	2.45	01/18/06 18:53
rans-1,3-Dichlorop	propene	ND	6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
<b>richloroethene</b>		ND	6.5	0.29	µg/Kg-dry	2.45	01/18/06 18:53
richlorofluoromet	hane	ND	13	0.21	µg/Kg-dry	2.45	01/18/06 18:53
inyl chloride/		ND	13	0.21	µg/Kg-dry	2.45	01/18/06 18:53
lylenes (total)	· .	ND	13	0.47	µg/Kg-dry	2.45	01/18/06 18:53
Sur: 1,2-Dichlo	roethane-d4	87.3	71-128	0.34	%REC	2.45	01/18/06 18:53
Sur: 4-Bromofl	uorobenzene	58.7 S	59-125	0.24	%REC	2.45	01/18/06 18:53
Sur: Dibromofic	uoromethane	103	40-156	0.47	%REC	2.45	01/18/06 18:53
Sur: Toluene-d	8	86.5	75-125	0.31	%REC	2.45	01/18/06 18:53
Qualifiers: B H NI	Holding times for pre	paration or analysis	exceeded	J Analyte o	ceeds the instru- letected below nf. column %[	the PQL	

### LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

Project: W Order: Vlatrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL			Lab ID:         0601049-008A           Client Sample ID:         BH-24-S           Collection Date:         01/11/06 9:40           Date Received:         01/12/06 7:50		
ColumnID:	MS03 10 Rtx-VMS 01/20/06 9:58:21 A	Sample Size %Moisture: TestCode:	—	PrepDat BatchNo FileID:		8218.D
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyze
OLATILE O	RGANIC COMPOUND	S BY GC/MS	SW	8260B		
,1,1,2-Tetrach	loroethane	ND	.3.1	0.14	µg/Kg-dry 1	01/16/06 16:10
,1,1-Trichloroe	ethane	ND	3.1	0.12	μg/Kg-dry 1	01/16/06 16:10
,1,2,2-Tetrach	loroethane	ND	3.1	0.20	µg/Kg-dry 1	01/16/06 16:10
,1,2-Trichloro- rifluoroethane	1,2,2-	ND	3.1	0.12	µg/Kg-dry 1	01/16/06 16:10
,1,2-Trichloroe	ethane	ND	3.1	0.14	µg/Kg-dry 1	01/16/08 16:10
,1-Dichloroeth	ane	ND	3.1	0.12	µg/Kg-dry 1	01/16/08 16:10
,1-Dichloroeth	ene	ND	<b>3.</b> 1	0.17	µg/Kg-dry 1	01/16/06 16:10
,1-Dichloropro	репе	ND	3.1	0.12	µg/Kg₀dry 1	01/16/06 16:10
,2,3-Trichlorot	penzene	ND	6.2	0.62	µg/Kg-dry 1	01/16/06 16:10
,2,3-Trichlorop	propane	· ND	3.1	0.21	µg/Kg-dry 1	01/16/06 16:10
,2,4-Trichlorob	penzene	ND	6.2	0.42	μg/Kg-dry 1	01/16/06 16:10
,2,4-Trimethyl	benzene	ND	3.1	0.14	µg/Kg-dry 1	01/16/06 16:10
,2-Dibromo-3-	chloropropane	ND	6.2	0.50	µg/Kg-dry 1	01/16/06 16:10
,2-Dibromoeth	ane	ND	3.1	0.11	µg/Kg-dry 1	01/16/06 16:10
,2-Dichlorober	izene	ND	3.1	0.11	µg/Kg-dry 1	01/16/06 16:10
,2-Dichloroeth	ane	ND	3.1	0.12	µg/Kg-dry 1	01/16/06 16:10
,2-Dichloropro	•	ND	3.1	0.10	µg/Kg-dry 1	01/16/06 16:10
,3,5-Trimethyl	benzene	ND	3.1	0.11	µg/Kg-dry 1	01/16/06 16:10
,3-Dichlorober		ND	3.1	0.12	µg/Kg-dry 1	01/16/06 16:10
,3-Dichloropro	pane	ND	3.1	0.10	µg/Kg-dry 1	01/16/06 16:10
,4-Dichlorober	and the second se	ND	3.1	0.16	µg/Kg-dry 1	01/16/06 16:10
2-Dichloropro	pane	ND	3.1	0.11	µg/Kg-dry 1	01/16/06 16:10
-Butanone		ND	12	0.17	µg/Kg-dry 1	01/16/06 16:10
-Chlorotoluene	B	ND	3.1	0.09	µg/Kg-dry 1	01/16/06 16:10
-Hexanone		ND	6.2	0.27	µg/Kg-dry 1	01/16/06 16:10
-Chlorotoluene		ND	3.1	0.20	µg/Kg-dry 1	01/16/06 16:10
-Methyl-2-pen	tanone	ND	6.2	0.30	µg/Kg-dry 1	01/16/06 16:10
cetone		2.1 J	12	0.49	µg/Kg-dry 1	01/16/06 16:10
enzene		ND ·	3.1	0.11	µg/Kg-dry 1	01/16/06 16:10
romobenzene		ND	3.1	0.19	µg/Kg-dry 1	01/16/06 16:10
romochlorom		ND	3.1	0.20	µg/Kg-dry 1	01/16/06 16:10
Bromodichloror	nethane	ND	3.1	0.10	µg/Kg-dry 1	01/16/06 16:10
Bromoform		ND	3.1	0.07	µg/Kg-dry 1	01/16/06 16:10
Bromomethane	•	ND	6.2	0.37	µg/Kg-dry 1	01/16/06 16:10
Qualifiers:	B Analyte detected in t				exceeds the instrument cal	ibration range
	H Holding times for press for pre	eparation or analysi	s exceeded	J Anaiy	yte detected below the PQL	

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13057 (315) 437-0200 **Analytical Results** 

VOLATILE ORGANIC COMPOUNDS BY GC/MS         SW8260B           Carbon disulfide         1.3 J         3.1         0.07         µg/Kg-dry 1         01/16/06 16::           Carbon disulfide         ND         3.1         0.14         µg/Kg-dry 1         01/16/06 16::           Chiorobenzane         ND         3.1         0.11         µg/Kg-dry 1         01/16/06 16::           Chiorobenzane         ND         3.1         0.05         µg/Kg-dry 1         01/16/06 16::           Chiorothane         ND         3.1         0.05         µg/Kg-dry 1         01/16/06 16::           Chiorothane         ND         3.1         0.14         µg/Kg-dry 1         01/16/06 16::           Chioromethane         ND         3.1         0.16         µg/Kg-dry 1         01/16/06 16::           Dibromorethane         ND         3.1         0.16         µg/Kg-dry 1         01/16/06 16::           Dibromorethane         ND         3.1         0.16         µg/Kg-dry 1         01/16/06 16::           Dibromorethane         ND         3.1         0.12         µg/Kg-dry 1         01/16/06 16::           Dibromorethane         ND         3.1         0.12         µg/Kg-dry 1         01/16/06 16::           Dibromorethane	CLIENT: O'Brien & Gere Eng Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	ineers, Inc.		Lab ID: Client Sam Collection I Date Receiv	ple ID: ] Date: (	<b>)601049-</b> B <b>H-24-S</b> )1/11/06 9 )1/12/06 7	1:40
VOLATILE ORGANIC COMPOUNDS BY GC/MS         SW8260B           Carbon disulfide         1.3. J         3.1         0.07         µg/Kg-dry         01/16/06 16::           Carbon disulfide         ND         3.1         0.14         µg/Kg-dry         01/16/06 16::           Chioroberzsne         ND         3.1         0.11         µg/Kg-dry         01/16/06 16::           Chioroberzsne         ND         3.1         0.11         µg/Kg-dry         01/16/06 16::           Chioroberzsne         ND         3.1         0.05         µg/Kg-dry         01/16/06 16::           Chiorobertene         ND         3.1         0.14         µg/Kg-dry         01/16/06 16::           Sis 1-2.0:Chiorobertene         ND         3.1         0.14         µg/Kg-dry         01/16/06 16::           Dibromochioromethane         ND         3.1         0.14         µg/Kg-dry         01/16/06 16::           Dibromochioromethane         ND         3.1         0.12         µg/Kg-dry         01/16/06 16::           Dibromochioromethane         ND         3.1         0.12         µg/Kg-dry         01/16/06 16::           Dibromochioromethane         ND         3.1         0.12         µg/Kg-dry         01/16/06 16::           <	ColumnID: Rtx-VMS	%Moisture:	19.7	BatchNo:			8218.D
Carbon disulfide         1.3 J         3.1         0.07         µg/Kg-dry         01/16/06 16:           Carbon disulfide         ND         3.1         0.14         µg/Kg-dry         01/16/06 16:           Chlorobenzene         ND         3.1         0.11         µg/Kg-dry         01/16/06 16:           Chlorobenzene         ND         3.1         0.05         µg/Kg-dry         01/16/06 16:           Chlorobenzene         ND         6.2         0.36         µg/Kg-dry         01/16/06 16:           Chlorobenzene         ND         6.2         0.47         µg/Kg-dry         01/16/06 16:           Chlorobethane         ND         3.1         0.14         µg/Kg-dry         01/16/06 16:           Sis-1.3-Dichlorobthane         ND         3.1         0.14         µg/Kg-dry         01/16/06 16:           Dibrorodiuoromethane         ND         3.1         0.14         µg/Kg-dry         01/16/06 16:           Dibrorodiuoromethane         ND         3.1         0.12         µg/Kg-dry         01/16/06 16:           Dibrorodiuoromethane         ND         3.1         0.12         µg/Kg-dry         01/16/06 16:           Sopropylbenzene         ND         3.1         0.15         µg/Kg-dry	Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyze
Carbon tetrachloride         ND         S.1         O.14         µg/Kg-dry         O/1/G/06 16:           Chloroberzzne         ND         3.1         0.11         µg/Kg-dry         0/1/G/06 16:           Chloroberzzne         ND         6.2         0.36         µg/Kg-dry         0/1/G/06 16:           Chloroberthane         ND         6.2         0.36         µg/Kg-dry         0/1/G/06 16:           Chloroberthane         ND         3.1         0.14         µg/Kg-dry         1         0/1/G/06 16:           Sin J.2-Dichoropropene         ND         3.1         0.14         µg/Kg-dry         1         0/1/G/06 16:           Sin J.3-Dichoropropene         ND         3.1         0.14         µg/Kg-dry         1         0/1/G/06 16:           Dibromochioromethane         ND         3.1         0.14         µg/Kg-dry         1         0/1/G/06 16:           Dibromothioromethane         ND         3.1         0.14         µg/Kg-dry         1         0/1/G/06 16:           Dibromothioromethane         ND         3.1         0.12         µg/Kg-dry         1         0/1/G/06 16:           Ethylberzzne         ND         3.1         0.11         0.09         µg/Kg-dry         1	VOLATILE ORGANIC COMPOUN	IDS BY GC/MS	SW	8260B			
Chlorobenzene         ND         S.1         D.11         µp/Kg-dry 1         D/1/ 6/06 18: D/1/ 6/06 18: D/1/ 6/06 18:           Chlorofethane         ND         S.1         0.05         µp/Kg-dry 1         0/1/ 6/06 18: D/1/ 6/06 18:           Chlorofethane         ND         S.1         0.14         µp/Kg-dry 1         0/1/ 6/06 18: D/1/ 6/06 18:           Chloromethane         ND         S.1         0.14         µp/Kg-dry 1         0/1/ 6/06 18:           Sis-1,2-Dichloroethane         ND         S.1         0.14         µp/Kg-dry 1         0/1/ 6/06 18:           Dibromoethane         ND         S.1         0.16         µp/Kg-dry 1         0/1/ 6/06 16:           Dibromoethane         ND         S.1         0.16         µp/Kg-dry 1         0/1/ 6/06 16:           Dichlorodtfluoromethane         ND         S.1         0.12         µp/Kg-dry 1         0/1/ 6/06 16:           Dichlorodtfluoromethane         ND         S.1         0.12         µp/Kg-dry 1         0/1/ 6/06 16:           Dichlorodtfluoromethane         ND         S.1         0.10         µp/Kg-dry 1         0/1/ 6/06 16:           Dichlorodtfluoromethane         ND         S.1         0.06         µp/Kg-dry 1         0/1/ 6/06 16:           Dichlorodtfluor	Carbon disulfide	1.3 J	3.1	0.07	µg/Kg-d	iry 1	01/16/06 16:10
Indext         Indext <thindex< th=""> <thindex< th="">         Index</thindex<></thindex<>	Carbon tetrachloride	ND	3.1	0.14			01/16/06 16:10
ND         3.1         0.05         µg/Kg-dry         1         01/16/06 16: 01/16/06 16: 3:1.2-Dichloropetene           ND         6.2         0.47         µg/Kg-dry         1         01/16/06 16: 3:1.3-Dichloropropene           ND         3.1         0.14         µg/Kg-dry         1         01/16/06 16: 3:1.3-Dichloropropene           ND         3.1         0.11         µg/Kg-dry         1         01/16/06 16: 3:00000000000000000000000000000000000	Chlorobenzene	ND	3.1	0.11	µg/Kg-d	ry 1 🗉	01/16/06 16:10
ND         6.2         0.47         µg/Kg-dry         1         01/16/06         16:           is-12-Dichforoethene         ND         3.1         0.14         µg/Kg-dry         1         01/16/06         16:           is-13-Dichforoptopene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16:           Wibromochhormethane         ND         3.1         0.14         µg/Kg-dry         1         01/16/06         16:           Wibromochhormethane         ND         3.1         0.14         µg/Kg-dry         1         01/16/06         16:           Wibromochhane         ND         5.2         0.10         µg/Kg-dry         1         01/16/06         16:           Wibromochhane         ND         5.2         0.49         µg/Kg-dry         1         01/16/06         16:           thylberzene         ND         3.1         0.10         µg/Kg-dry         1         01/16/06         16:         1	chloroethane	ND	6.2	0.36	µg/Kg-d	ry 1	01/16/06 16:10
is-1,2-Dichloroethene         ND         3.1         0.14         µg/Kg-dry         0.1/16/06         16:           is-1,3-Dichloropropene         ND         3.1         0.14         µg/Kg-dry         1         0.1/16/06         16:           ibromochloromethane         ND         3.1         0.14         µg/Kg-dry         1         0.1/16/06         16:           ibromochloromethane         ND         3.1         0.14         µg/Kg-dry         1         0.1/16/06         16:           ibromochloromethane         ND         3.1         0.12         µg/Kg-dry         1         0.1/16/06         16:           ibromothatatiene         ND         3.1         0.12         µg/Kg-dry         1         0.1/16/06         16:         1         1         16:06         16:         1         0.16         16:         1         1         16:06         16:         1         0.11         µg/Kg-dry         1         0.1/16/06         16:         1         1         16:06         16:         1         16:06         16:         1         16:06         16:         1         16:06         16:         1         16:06         16:         1         16:06         16:         1         16:0	hloroform	ND	3.1	0.05	µg/Kg-d	ry 1	01/16/06 16:10
ND         3.1         0.11         µg/Kg-dry         1         01/16/06 16:1           Dibromochloromethane         ND         3.1         0.16         µg/Kg-dry         1         01/16/06 16:1           Dibromochloromethane         ND         3.1         0.16         µg/Kg-dry         1         01/16/06 16:1           Dibromochloromethane         ND         6.2         0.10         µg/Kg-dry         1         01/16/06 16:1           Schlorodifluoromethane         ND         6.2         0.49         µg/Kg-dry         1         01/16/06 16:1           Schlorodifluoromethane         ND         3.1         0.10         µg/Kg-dry         1         01/16/06 16:1           Schlorobitadiene         ND         3.1         0.10         µg/Kg-dry         1         01/16/06 16:1           Hetylene chloride         1.1         J         8.2         0.50         µg/Kg-dry         1         01/16/06 16:1           -Bulylbenzene         ND         3.1         0.15         µg/Kg-dry         1         01/16/06 16:1           -Bulylbenzene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06 16:1           -Bulylbenzene         ND         3.1         0.11	Chloromethane	ND	6.2	0.47	µg/Kg-d	ry 1	01/16/06 16:10
Dibromochloromethane         ND         3.1         0.16         µg/kg-dry         1         01/16/06 16:           Dibromormethane         ND         3.1         0.14         µg/kg-dry         1         01/16/06 16:           Dibromormethane         ND         6.2         0.10         µg/kg-dry         1         01/16/06 16:           Dibromochlidoromethane         ND         6.2         0.49         µg/kg-dry         1         01/16/06 16:           Bibromochlidoromethane         ND         3.1         0.12         µg/kg-dry         1         01/16/06 16:           Bibromochlidoromethane         ND         3.1         0.10         µg/kg-dry         1         01/16/06 16:           Bibromochlide         1.1         J         6.2         0.49         µg/kg-dry         1         01/16/06 16:           Bibromochlide         1.1         J         6.2         0.50         µg/kg-dry         1         01/16/06 16:           Bibrohochlide         1.1         J         6.2         0.46         µg/kg-dry         1         01/16/06 16:           Bibrohochlide         ND         3.1         0.11         µg/kg-dry         1         01/16/06 16:           Bibrohochlide         ND </td <td>is-1,2-Dichloroethene</td> <td>ND</td> <td>3.1</td> <td>0.14</td> <td>µg/Kg-d</td> <td>ry 1</td> <td>01/16/06 16:10</td>	is-1,2-Dichloroethene	ND	3.1	0.14	µg/Kg-d	ry 1	01/16/06 16:10
Dibromomethane         ND         3.1         0.14         µg/Kg-dry         1         0.11/16/06 16:           Nichlorodiffuoromethane         ND         6.2         0.10         µg/Kg-dry         1         0.11/16/06 16:           Schlorodiffuoromethane         ND         3.1         0.12         µg/Kg-dry         1         0.11/16/06 16:           Schlorodutadiene         ND         3.1         0.10         µg/Kg-dry         1         0.11/16/06 16:           Sopropylbenzene         ND         3.1         0.10         µg/Kg-dry         1         0.11/16/06 16:           Sopropylbenzene         ND         3.1         0.10         µg/Kg-dry         1         0.11/16/06 16:           Botylbenzene         ND         3.1         0.15         µg/Kg-dry         1         0.11/16/06 16:           -Propylbenzene         ND         3.1         0.11         µg/Kg-dry         1         0.11/16/06 16:           -Isopropylbolaene         ND         3.1         0.11         µg/Kg-dry         1         0.11/16/06 16:           -Isopropylbolaene         ND         3.1         0.11         µg/Kg-dry         1         0.11/16/06 16:           -Isopropylbolaene         ND         3.1         0.	is-1,3-Dichloropropene	· ND	3.1	0.11	µg/Kg-d	ry 1	01/16/06 16:10
ND         6.2         0.10         µg/Kg-dry         1         01/16/06 16:1           Sthlorodifluoromethane         ND         3.1         0.12         µg/Kg-dry         1         01/16/06 16:1           Sthlybenzene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06 16:1           sopropylbenzene         ND         3.1         0.10         µg/Kg-dry         1         01/16/06 16:1           sopropylbenzene         ND         3.1         0.09         µg/Kg-dry         1         01/16/06 16:1           fethyl tert-butyl ether         ND         3.1         0.09         µg/Kg-dry         1         01/16/06 16:1           Butylbenzene         ND         3.1         0.15         µg/Kg-dry         1         01/16/06 16:1           Butylbenzene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06 16:1           -Propylbenzene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06 16:1           -Butylbenzene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06 16:1           -Propylboluene         ND         3.1         0.12         µg/Kg-dry         1	Dibromochloromethane	. ND	3.1	0.16	µg/Kg-d	ry 1	01/16/06 16:10
Bit Nb         D         3.1         0.12         µg/Kg-dry         1         0/1/6/05         16::           lexachlorobutadiene         ND         6.2         0.49         µg/Kg-dry         1         0/1/6/05         16::           sopropylbenzene         ND         3.1         0.10         µg/Kg-dry         1         0/1/6/05         16::           tethyl ether         ND         3.1         0.09         µg/Kg-dry         1         0/1/6/06         16::           tethylene chloride         1.1         J         6.2         0.50         µg/Kg-dry         1         0/1/6/06         16::           Butylbenzene         ND         3.1         0.15         µg/Kg-dry         1         0/1/6/06         16::           aphthalene         0.65         J         6.2         0.46         µg/Kg-dry         1         0/1/6/06         16::           aphthalene         0.65         J         6.2         0.46         µg/Kg-dry         1         0/1/6/06         16::           tyrene         ND         3.1         0.11         µg/Kg-dry         1         0/1/6/06         16::           tyrene         ND         3.1         0.12         µg/Kg-dry	Dibromomethane	ND	3.1	0.14	µg/Kg-d	ry 1 👘	01/16/06 16:10
ND         6.2         0.49         µg/Kg-dry         1         01/16/06         16:1           sopropylbenzene         ND         3.1         0.10         µg/Kg-dry         1         01/16/06         16:1           terthyl tert-butyl ether         ND         3.1         0.09         µg/Kg-dry         1         01/16/06         16:1           terthyl tert-butyl ether         ND         3.1         0.09         µg/Kg-dry         1         01/16/06         16:1           Butylbenzene         ND         3.1         0.15         µg/Kg-dry         1         01/16/06         16:1           -Propylbenzene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16:1           -sphthalene         0.65         J         6.2         0.46         µg/Kg-dry         1         01/16/06         16:1           -sopropyltoluene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16:1           -sopropyltoluene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16:1           -sopropyltoluene         ND         3.1         0.12         µg/Kg-dry         1 <td< td=""><td>Dichlorodifluoromethane</td><td>ND</td><td>6.2</td><td>0.10</td><td>µg/Kg-d</td><td>ny 1</td><td>01/16/06 16:10</td></td<>	Dichlorodifluoromethane	ND	6.2	0.10	µg/Kg-d	ny 1	01/16/06 16:10
sopropylbenzene         ND         3.1         0.10         µg/Kg-dry         1         01/16/06         16.1           tethyl tert-butyl ether         ND         3.1         0.09         µg/Kg-dry         1         01/16/06         16.1           tethyl tert-butyl ether         ND         3.1         0.09         µg/Kg-dry         1         01/16/06         16.1           Butylbenzene         ND         3.1         0.15         µg/Kg-dry         1         01/16/06         16.1           Butylbenzene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16.1           aphthalene         0.65         J         6.2         0.46         µg/Kg-dry         1         01/16/06         16.1           laphthalene         0.65         J         6.2         0.46         µg/Kg-dry         1         01/16/06         16.1           laphthalene         0.65         J         6.2         0.46         µg/Kg-dry         1         01/16/06         16.1           laphtbanzene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16.1           other         ND         3.1         0.15 <th< td=""><td></td><td>ND</td><td>3.1</td><td>0.12</td><td>µg/Kg-d</td><td>ry 1</td><td>01/16/06 16:10</td></th<>		ND	3.1	0.12	µg/Kg-d	ry 1	01/16/06 16:10
Methyl tert-butyl ether         ND         3.1         0.09         µg/Kg-dry         1         01/16/06         16:1           Methyl tert-butyl ether         ND         3.1         0.09         µg/Kg-dry         1         01/16/06         16:1           Butylbenzene         ND         3.1         0.15         µg/Kg-dry         1         01/16/06         16:1           -Propylbenzene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16:1           -Propylbenzene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16:1           -Isopropylbenzene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16:1           -Isopropylbenzene         ND         3.1         0.16         µg/Kg-dry         1         01/16/06         16:1           tyrene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16:1           tyrene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16:1           tyrene         ND         3.1         0.15         µg/Kg-dry         1         01/16/06 <td>lexachlorobutadiene</td> <td>ND</td> <td>6.2</td> <td>0.49</td> <td>µg/Kg-d</td> <td>ry 1</td> <td>01/16/06 16:10</td>	lexachlorobutadiene	ND	6.2	0.49	µg/Kg-d	ry 1	01/16/06 16:10
Atthylene chloride       1.1 J       B.2       0.50       µg/Kg-dry 1       01/16/06 16:1         -Butylbenzene       ND       3.1       0.15       µg/Kg-dry 1       01/16/06 16:1         -Propylbenzene       ND       3.1       0.11       µg/Kg-dry 1       01/16/06 16:1         lephthalene       0.65 J       6.2       0.46       µg/Kg-dry 1       01/16/06 16:1         -Isopropytoluene       ND       3.1       0.11       µg/Kg-dry 1       01/16/06 16:1         -e-Butylbenzene       ND       3.1       0.11       µg/Kg-dry 1       01/16/06 16:1         eo-Butylbenzene       ND       3.1       0.16       µg/Kg-dry 1       01/16/06 16:1         eo-Butylbenzene       ND       3.1       0.12       µg/Kg-dry 1       01/16/06 16:1         etrachloroethene       ND       3.1       0.16       µg/Kg-dry 1       01/16/06 16:1         oluene       ND       3.1       0.17       µg/Kg-dry 1       01/16/06 16:1         ans-1,2-Dichloroethene       ND       3.1       0.12       µg/Kg-dry 1       01/16/06 16:1         ichloroptopene       ND       3.1       0.12       µg/Kg-dry 1       01/16/06 16:1         ichloroethene       ND       3.1	sopropylbenzene	ND	3.1	0.10	µg/Kg-d	ry 1	01/16/06 16:10
Butylbenzene         ND         3.1         0.15         µg/Kg-dry         1         01/16/06         16.1           -Propylbenzene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16.1           laphthalene         0.65         J         6.2         0.46         µg/Kg-dry         1         01/16/06         16.1           -lsopropyttoluene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16.1           -sopropyttoluene         ND         3.1         0.16         µg/Kg-dry         1         01/16/06         16.1           ec-Butylbenzene         ND         3.1         0.16         µg/Kg-dry         1         01/16/06         16.1           styrene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16.1           art-Butylbenzene         ND         3.1         0.17         µg/Kg-dry         1         01/16/06         16.1           art-Butylbenzene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16.1           ans-1,2-Dichloroethene         ND         3.1         0.12         µg/Kg-dry         1<	fethyl tert-butyl ether	ND	3.1	0.09	µg/Kg-d	ry 1	01/16/06 16:10
Propylbenzene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         6.6           laphthalene         0.65         J         6.2         0.46         µg/Kg-dry         1         01/16/06         16.6           -lsopropyltoluene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16.6           -lsopropyltoluene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16.6           ec-Butylbenzene         ND         3.1         0.16         µg/Kg-dry         1         01/16/06         16.1           etra-Butylbenzene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16.1           etra-Butylbenzene         ND         3.1         0.17         µg/Kg-dry         1         01/16/06         16.1           etra-bloroethene         ND         3.1         0.17         µg/Kg-dry         1         01/16/06         16.1           oluene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16.1           ans-1,2-Dichloroethene         ND         3.1         0.14         µg/Kg-dry <t< td=""><td>lethylene chloride</td><td>1.1 J</td><td>6.2</td><td>0.50</td><td>µg/Kg-d</td><td>ry 1</td><td>01/16/06 16:10</td></t<>	lethylene chloride	1.1 J	6.2	0.50	µg/Kg-d	ry 1	01/16/06 16:10
laphthalene       0.65 J       6.2       0.46       µg/Kg-dry 1       01/16/06 16:1         -lsopropyttoluene       ND       3.1       0.11       µg/Kg-dry 1       01/16/06 16:1         ec-Butylbenzene       ND       3.1       0.16       µg/Kg-dry 1       01/16/06 16:1         styrene       ND       3.1       0.16       µg/Kg-dry 1       01/16/06 16:1         ert-Butylbenzene       ND       3.1       0.16       µg/Kg-dry 1       01/16/06 16:1         etrachloroethene       ND       3.1       0.17       µg/Kg-dry 1       01/16/06 16:1         oluene       ND       3.1       0.17       µg/Kg-dry 1       01/16/06 16:1         ans-1,2-Dichloroethene       ND       3.1       0.12       µg/Kg-dry 1       01/16/06 16:1         ans-1,3-Dichloropropene       ND       3.1       0.12       µg/Kg-dry 1       01/16/06 16:1         irichloroethene       ND       3.1       0.11       µg/Kg-dry 1       01/16/06 16:1         irichloroethene       ND       3.1       0.14       µg/Kg-dry 1       01/16/06 16:1         irichloroethene       ND       6.2       0.10       µg/Kg-dry 1       01/16/06 16:1         irichloroethene       ND       6.2	-Butylbenzene	ND	3.1	0.15	µg/Kg-d	ry 1	01/16/06 16:10
Isopropytkoluene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16::           ec-Butylbenzene         ND         3.1         0.16         µg/Kg-dry         1         01/16/06         16::           styrene         ND         3.1         0.16         µg/Kg-dry         1         01/16/06         16::           styrene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16::           styrene         ND         3.1         0.16         µg/Kg-dry         1         01/16/06         16::           etrachlorethene         ND         3.1         0.17         µg/Kg-dry         1         01/16/06         16::           oluene         ND         3.1         0.15         µg/Kg-dry         1         01/16/06         16::           ans-1,2-Dichloroethene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16::           ans-1,3-Dichloropropene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16::           irchlorofluoromethane         ND         6.2         0.10         µg/Kg-dry         1         01/16/06 <td>-Propylbenzene</td> <td>ND</td> <td>3.1</td> <td>0.11</td> <td>µg/Kg-d</td> <td>ry 1 👘</td> <td>01/16/06 16:10</td>	-Propylbenzene	ND	3.1	0.11	µg/Kg-d	ry 1 👘	01/16/06 16:10
ec-Butylbenzene         ND         3.1         0.16         µg/kg-dry         1         01/16/06         16:1           styrene         ND         3.1         0.12         µg/kg-dry         1         01/16/06         16:1           erf-Butylbenzene         ND         3.1         0.16         µg/kg-dry         1         01/16/06         16:1           etrachloroethene         ND         3.1         0.17         µg/kg-dry         1         01/16/06         16:1           oluene         ND         3.1         0.15         µg/kg-dry         1         01/16/06         16:1           ans-1,2-Dichloroethene         ND         3.1         0.12         µg/kg-dry         1         01/16/06         16:1           ans-1,3-Dichloropropene         ND         3.1         0.11         µg/kg-dry         1         01/16/06         16:1           richloroethene         ND         3.1         0.14         µg/kg-dry         1         01/16/06         16:1           invichloroethene         ND         6.2         0.10         µg/kg-dry         1         01/16/06         16:1           invichloride         ND         6.2         0.22         µg/kg-dry         1         01/	laphthalene	0.65 J	6.2	0.46	µg/Kg-d	ry 1	01/16/06 16:10
ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16:1           ert-Butylbenzene         ND         3.1         0.16         µg/Kg-dry         1         01/16/06         16:1           etrachloroethene         ND         3.1         0.17         µg/Kg-dry         1         01/16/06         16:1           oluene         ND         3.1         0.15         µg/Kg-dry         1         01/16/06         16:1           ans-1,2-Dichloroethene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16:1           ans-1,2-Dichloroethene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16:1           ans-1,3-Dichloropropene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16:1           richloroethene         ND         3.1         0.14         µg/Kg-dry         1         01/16/06         16:1           richlorofluoromethane         ND         6.2         0.10         µg/Kg-dry         1         01/16/06         16:1           ylenes (total)         ND         6.2         0.22         µg/Kg-dry         1         01/16/06	-Isopropyitoluene	ND	3.1	0.11	µg/Kg-d	ry 1	01/16/06 16:10
art-Butylbenzene       ND       3.1       0.16       µg/Kg-dry       1       01/16/06       16:1         etrachloroethene       ND       3.1       0.17       µg/Kg-dry       1       01/16/06       16:1         oluene       ND       3.1       0.15       µg/Kg-dry       1       01/16/06       16:1         ans-1,2-Dichloroethene       ND       3.1       0.12       µg/Kg-dry       1       01/16/06       16:1         ans-1,3-Dichloroethene       ND       3.1       0.11       µg/Kg-dry       1       01/16/06       16:1         ans-1,3-Dichloroptopene       ND       3.1       0.11       µg/Kg-dry       1       01/16/06       16:1         irichloroethene       ND       3.1       0.14       µg/Kg-dry       1       01/16/06       16:1         irichloroethene       ND       6.2       0.10       µg/Kg-dry       1       01/16/06       16:1         inyl chloride       ND       6.2       0.10       µg/Kg-dry       1       01/16/06       16:1         surr: 1,2-Dichloroethane-d4       92.2       71-128       0.16       %REC       1       01/16/06       16:1         Surr: 4-Bromofluorobenzene       55.9 <t< td=""><td>ec-Butylbenzene</td><td>ND</td><td>3.1</td><td>0.16</td><td>µg/Kg-d</td><td>ry 1</td><td>01/16/06 16:10</td></t<>	ec-Butylbenzene	ND	3.1	0.16	µg/Kg-d	ry 1	01/16/06 16:10
etrachloroethene         ND         3.1         0.17         µg/Kg-dry         1         01/16/06         16:1           oluene         ND         3.1         0.15         µg/Kg-dry         1         01/16/06         16:1           ans-1,2-Dichloroethene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16:1           ans-1,3-Dichloropropene         ND         3.1         0.12         µg/Kg-dry         1         01/16/06         16:1           ans-1,3-Dichloropropene         ND         3.1         0.14         µg/Kg-dry         1         01/16/06         16:1           richloroethene         ND         3.1         0.14         µg/Kg-dry         1         01/16/06         16:1           richlorofluoromethane         ND         6.2         0.10         µg/Kg-dry         1         01/16/06         16:1           inyl chloride         ND         6.2         0.22         µg/Kg-dry         1         01/16/06         16:1           surr: 1,2-Dichloroethane-d4         92.2         71-128         0.16         %REC         1         01/16/06         16:1           Surr: 4-Bromofluorobenzene         55.9         59-125         0.11	tyrene	ND	, <b>3.1</b>	0.12	µg/Kg-d	ry 1	01/16/06 16:10
ND         3.1         0.15         µg/kg-dry         1         01/16/06         16:1           ans-1,2-Dichloroethene         ND         3.1         0.12         µg/kg-dry         1         01/16/06         16:1           ans-1,3-Dichloropropene         ND         3.1         0.12         µg/kg-dry         1         01/16/06         16:1           richloroptopene         ND         3.1         0.11         µg/kg-dry         1         01/16/06         16:1           richloroptopene         ND         3.1         0.14         µg/kg-dry         1         01/16/06         16:1           richloroptopene         ND         3.1         0.14         µg/kg-dry         1         01/16/06         16:1           richloroptopene         ND         6.2         0.10         µg/kg-dry         1         01/16/06         16:1           inyl chloride         ND         6.2         0.22         µg/kg-dry         1         01/16/06         16:1           surr: 1,2-Dichloroethane-d4         92.2         71-128         0.16         %REC         1         01/16/06         16:1           Surr: 4-Bromofluorobenzene         55.9         59-125         0.11         %REC         1         <	ert-Butylbenzene	ND	3.1	0.16	µg/Kg-d	ry 1	01/16/06 16:10
ans-1,2-Dichloroethene         ND         3.1         0.12         µg/kg-dry         1         01/16/06         16:1           ans-1,3-Dichloropropene         ND         3.1         0.11         µg/kg-dry         1         01/16/06         16:1           richloroethene         ND         3.1         0.11         µg/kg-dry         1         01/16/06         16:1           richloroethene         ND         3.1         0.14         µg/kg-dry         1         01/16/06         16:1           richloroethene         ND         3.1         0.14         µg/kg-dry         1         01/16/06         16:1           richloroethene         ND         6.2         0.10         µg/kg-dry         1         01/16/06         16:1           inyl chloride         ND         6.2         0.10         µg/kg-dry         1         01/16/06         16:1           surr: 1,2-Dichloroethane-d4         92.2         71-128         0.16         %REC         1         01/16/06         16:1           Surr: 4-Bromofluorobenzene         55.9         59-125         0.11         %REC         1         01/16/06         16:1           Surr: Dibromofluoromethane         107         40-156         0.22 <td< td=""><td>etrachloroethene</td><td>ND</td><td>3.1</td><td>0.17</td><td>µg/Kg-d</td><td>ry 1</td><td>01/16/06 16:10</td></td<>	etrachloroethene	ND	3.1	0.17	µg/Kg-d	ry 1	01/16/06 16:10
nas-1,3-Dichloropropene         ND         3.1         0.11         µg/Kg-dry         1         01/16/06         16:1           trichloroethene         ND         3.1         0.14         µg/Kg-dry         1         01/16/06         16:1           trichloroethene         ND         3.1         0.14         µg/Kg-dry         1         01/16/06         16:1           trichlorofluoromethane         ND         6.2         0.10         µg/Kg-dry         1         01/16/06         16:1           inyl chloride         ND         6.2         0.10         µg/Kg-dry         1         01/16/06         16:1           ylenes (total)         ND         6.2         0.22         µg/Kg-dry         1         01/16/06         16:1           Surr: 1,2-Dichloroethane-d4         92.2         71-128         0.16         %REC         1         01/16/06         16:1           Surr: 4-Bromofluorobenzene         55.9         59-125         0.11         %REC         1         01/16/06         16:1           Surr: Dibromofluoromethane         107         40-156         0.22         %REC         1         01/16/06         16:1           Surr: Toluene-d8         84.8         75-125         0.15	oluene	ND	3.1	0.15	µg/Kg-d	ry 1	01/16/06 16:10
richloroethene       ND       3.1       0.14       µg/kg-dry       1       01/16/06       16:1         richlorofluoromethane       ND       6.2       0.10       µg/kg-dry       1       01/16/06       16:1         ind chloride       ND       6.2       0.10       µg/kg-dry       1       01/16/06       16:1         ind chloride       ND       6.2       0.10       µg/kg-dry       1       01/16/06       16:1         ylenes (total)       ND       6.2       0.22       µg/kg-dry       1       01/16/06       16:1         Surr: 1,2-Dichloroethane-d4       92.2       71-128       0.16       %REC       1       01/16/06       16:1         Surr: 4-Bromofluorobenzene       55.9       59-125       0.11       %REC       1       01/16/06       16:1         Surr: Dibromofluoromethane       107       40-156       0.22       %REC       1       01/16/06       16:1         Surr: Toluene-d8       84.8       75-125       0.15       %REC       1       01/16/06       16:1	ans-1,2-Dichloroethene	ND	3.1	0.12	µg/Kg-d	ry 1	01/16/06 16:10
Inc.	ans-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-d	ry 1	01/16/06 16:10
ND         6.2         0.10         µg/Kg-dry         1         01/16/06         16:1           ylenes (total)         ND         6.2         0.22         µg/Kg-dry         1         01/16/06         16:1           Surr: 1,2-Dichloroethane-d4         92.2         71-128         0.16         %REC         1         01/16/06         16:1           Surr: 4-Bromofluorobenzene         55.9         59-125         0.11         %REC         1         01/16/06         16:1           Surr: Dibromofluoromethane         107         40-156         0.22         %REC         1         01/16/06         16:1           Surr: Toluene-d8         84.8         75-125         0.15         %REC         1         01/16/06         16:1	-	ND	3.1	0.14	µg/Kg-d	ry 1	01/16/06 16:10
vienes (total)         ND         6.2         0.22         µg/Kg-dry         1         01/16/06         16:1           Surr: 1,2-Dichloroethane-d4         92.2         71-128         0.16         %REC         1         01/16/06         16:1           Surr: 4-Bromofiluorobenzene         55.9         S         59-125         0.11         %REC         1         01/16/06         16:1           Surr: Dibromofiluoromethane         107         40-156         0.22         %REC         1         01/16/06         16:1           Surr: Toluene-d8         84.8         75-125         0.15         %REC         1         01/16/06         16:1	richlorofluoromethane	. ND	6.2	0.10	µg/Kg-d	ry 1 👘	01/16/06 16:10
Surr: 1,2-Dichloroethane-d4         92.2         71-128         0.16         %REC         1         01/16/06 16:1           Surr: 4-Bromofluorobenzene         55.9 S         59-125         0.11         %REC         1         01/16/06 16:1           Surr: Dibromofluoromethane         107         40-156         0.22         %REC         1         01/16/06 16:1           Surr: Toluene-d8         84.8         75-125         0.15         %REC         1         01/16/06 16:1	inyl chloride	ND	<b>6.2</b>	0.10	µg/Kg-d	ry 1	01/16/06 16:10
Surr: 4-Bromofiluorobenzene         55.9 S         59-125         0.11         %REC         1         01/16/06 16:1           Surr: Dibromofiluoromethane         107         40-156         0.22         %REC         1         01/16/06 16:1           Surr: Toluene-d8         84.8         75-125         0.15         %REC         1         01/16/06 16:1		ND	6.2	0.22	µg/Kg-d	ry 1	01/16/06 16:10
Surr: Dibromofluoromethane         107         40-156         0.22         %REC         1         01/16/06         16:1           Surr: Toluene-d8         84.8         75-125         0.15         %REC         1         01/16/06         16:1		92.2	71-128	0.16	%REC	1	01/16/06 16:10
Surr: Toluene-d8 84.8 75-125 0.15 %REC 1 01/16/06 16:1		55.9 S	59 <b>-125</b>	0.11	%REC	1	01/16/06 16:10
	•	107	40-156	0.22	%REC	1	01/16/06 16:10
	Surr: Toluene-d8	84.8	75-125	0.15	%REC	÷ 1	01/16/06 16:10
Dualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range	Qualifiers: B Analyte detected in	the associated Metho	d Blank	E Value exc	ceds the ins	trument cali	bration range

# Life Science Laboratories, Inc.

**Analytical Results** 

	<b>_</b>  5000	Brittonfield	Parkway, Suite 200 🗤	
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CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	eers, Inc.		Lab ID: Client Sam Collection Date Recei	ple ID: B) Date: 01	<b>01049-00</b> <b>H-24-S</b> /11/06 9:40 /12/06 7:50	
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	Sample Size %Moisture TestCode:	~	PrepDate: BatchNo: FileID:		249 <b>RA-J8266.</b> E	)
Analyte	Result Q	ial PQL	MDL	Units	DF	Date Analyze
VOLATILE ORGANIC COMPOUND	S BY GC/MS	SW	8260B			
I,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dry	1	01/18/06 19:28
,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-dry	1	01/18/06 19:28
,1,2,2-Tetrachioroethane	ND	3.1	0.20	µg/Kg-dry	1	01/18/06 19:28
,1,2-Trichloro-1,2,2- ifiluoroethane	ND	3.1	0.12	µg/Kg-dry	1	01/18/06 19:28
,1,2-Trichloroethane	ND	3.1	0.14	µg/Kg-dry	1	01/18/06 19:28
,1-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1	01/18/06 19:28
,1-Dichloroethene	ND	3.1	0.17	µg/Kg-dry	1	01/18/06 19:28
1-Dichloropropene	ND	3.1	0.12	µg/Kg-dry		01/18/06 19:28
2,3-Trichlorobenzene	ND	6.2	0.62	µg/Kg-dry		01/18/06 19:28
2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-dry	1	01/18/06 19:28
2,4-Trichlorobenzene	ND	6.2	0.42	µg/Kg-dry	1	01/18/06 19:28
2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-dry		01/18/06 19:28
2-Dibromo-3-chloropropane	ND	6.2	0.50	µg/Kg-dry		01/18/06 19:28
2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry		01/18/06 19:28
2-Dichlorobenzene	ND	3.1	<b>0.1</b> 1	µg/Kg-dry		01/18/06 19:28
2-Dichloroethane	ND	3.1	0.12	µg/Kg-dry		01/18/06 19:28
2-Dichloropropane	ND	3,1	0.10	µg/Kg-dry		01/18/06 19:28
3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry		01/18/06 19:28
3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-dry		01/18/06 19:28
3-Dichloropropane	ND	3.1	<b>0</b> .10	µg/Kg-dry		01/18/06 19:28
4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-dry		01/18/06 19:28
2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry		01/18/06 19:28
Butanone	ND	12	0.17	µg/Kg-dry		01/18/06 19:28
Chlorotoluene	ND	3.1	0.09	µg/Kg-dry		01/18/06 19:28
Hexanone	ND	6.2	<b>0.27</b>	µg/Kg-dry		01/18/06 19:28
Chiorotoiuene	ND	3.1	0.20	µg/Kg-dry		01/18/06 19:28
Methyl-2-pentanone	ND	6.2	0.30	µg/Kg-dry		01/18/06 19:28
etone	1.5 J	12	0.49	µg/Kg-dry		01/18/06 19:28
enzene	ND	3.1	0.11	µg/Kg-dry		01/18/06 19:28
omobenzene	ND .	3.1	0.19	µg/Kg-dry		01/18/06 19:28
omochloromethane	ND	3.1	0.20	µg/Kg-dry		01/18/06 19:28
omodichloromethane	ND	3.1	0.10	µg/Kg-dry		01/18/06 19:28
omoform	ND	3.1	0.07	µg/Kg-dry		01/18/06 19:28
romomethane	ND	6.2	0.37	µg/Kg-dry	1	01/18/06 19:28
B         Analyte detected in the           H         Holding times for preposed           ND         Not Detected at the Preposed	paration or analysi	s exceeded	J Analyte o	ceeds the instru- letected below nf. column %I	the PQL	

Print Date: 01/20/06 10:10

East Syracuse, NY 130	437-0200		State	CertNo: 1	.0155		
CLIENT: O'Brien & Gere Engir Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	neers, Inc.	Inc.		Lab ID:         0601049-008A           Client Sample ID:         BH-24-S           Collection Date:         01/11/06 9:40           Date Received:         01/12/06 7:50			
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	Sample Size: %Moisture: TestCode:		PrepDa BatchN FileID:	io: R42	49 A-J8266.D		
Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyze	
VOLATILE ORGANIC COMPOUNE	S BY GC/MS	SW	8260B				
Carbon disulfide	1.3 J	3.1	0.07	μg/Kg-dry	1 .	01/18/06 19:28	
arbon tetrachloride	ND	3.1	0.14	µg/Kg-dry		01/18/06 19:28	
hiorobenzene	ND	3.1	0.11	μġ/Kg-dry		01/18/06 19:28	
hiorcethane	ND	6.2	0.36	µg/Kg-dry		01/18/06 19:28	
chloroform	· ND	3.1	0.05	µg/Kg-dry		01/18/06 19:28	
hioromethane	ND	6.2	0.47	µg/Kg-dry		01/18/06 19:28	
is-1,2-Dichloroethene	ND	3.1	0.14	µg/Kg-dry		01/18/06 19:28	
is-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry		01/18/06 19:28	
bipromochloromethane	ND	3.1	0.16	µg/Kg-dry		01/18/06 19:28	
libromomethane	ND	3.1	0.14	µg/Kg-dry		01/18/06 19:28	
lichlorodifluoromethane	ND	6.2	0.10	µg/Kg-dry		01/18/06 19:28	
thylbenzene	ND	3.1	0.12	µg/Kg-dry		01/18/06 19:28	
lexachlorobutadiene	ND	6.2	0.49	µg/Kg-dry		01/18/06 19:28	
opropylbenzene	ND	3.1	0.10	µg/Kg-dry		01/18/06 19:28	
lethyl tert-butyl ether	ND	3.1	0.09	µg/Kg-dry		01/18/06 19:28	
lethylene chloride	1.7 J	6.2	0.50	µg/Kg-dry	1	01/18/06 19:28	
-Butylbenzene	ND	3.1	0.15	µg/Kg-dry		01/18/06 19:28	
-Propyibenzene	ND	3.1	0.11	µg/Kg-dry		01/18/06 19:28	
laphthalene	ND	6.2	0.46	µg/Kg-dry		01/18/06 19:28	
-Isopropyitoluene	ND	3.1	0.11	µg/Kg-dry		01/18/06 19:28	
ec-Butylbenzene	ND	3.1	0.16	µg/Kg-dry		01/18/06 19:28	
Styrene	ND	3.1	0.12	µg/Kg-dry		01/18/06 19:28	
ert-Butylbenzene	ND	3.1	0.16	µg/Kg-dry		01/18/06 19:28	
etrachloroethene	ND	3.1	0.17	µg/Kg-dry		01/18/06 19:28	
oluene	ND	3.1	0.15	µg/Kg-dry		01/16/06 19:28	
ans-1,2-Dichloroethene	ND	3.1	0.12	µg/Kg-dry		01/18/06 19:28	
ans-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry		01/18/06 19:28	
richloroethene	ND	3.1	0.14	µg/Kg-dry		01/18/06 19:28	
richlorofluoromethane	ND	6.2	0.10	µg/Kg-dry		01/18/06 19:28	
inyl chloride	ND	6.2	0.10	µg/Kg-dry		01/18/06 19:28	
ylenes (total)	ND	6.2	0.22	µg/Kg-dry		01/18/06 19:28	
Surr. 1,2-Dichloroethane-d4	90.9	71-126	0.16	%REC	1	01/18/06 19:28	
Surr: 4-Bromofluorobenzene	54.8 S	59-125	0.11	%REC	1	01/18/06 19:28	
Surr. Dibromofluoromethane	107	40-156	0.22	%REC	1	01/18/06 19:28	
Surr: Toluene-d8	83.1	75-125	0.15	%REC	1	01/18/06 19:28	
Qualifiers: B Analyte detected in t	he associated Metho	d Blank	E Val	ue exceeds the instru	iment calibrat	ion range	
H Holding times for pr			J Ana	alyte detected below	the PQL	•	
ND Not Detected at the l	Practical Quantitatio	n Limit (PQL)	P Prie	n./Conf. column %E	) or RPD exce	eds limit	

**Analytical Results** 

CLIENT: O'Brien & Gere Engir Project: Geneva Foundry W Order: 0601049 Watrix: SOIL Inst. ID: MS03 10	5 a	Collec	t Sample ID: <u>BH-24-D</u> ction Date: 01/11/06 9: Received: 01/12/06 7:	50	
ColumnID: Rtx-VMS Revision: 01/20/06 9:58:21 A	Sample Size: %Moisture: TestCode:	—	Batch	No: R4188	219.D
Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyze
OLATILE ORGANIC COMPOUNI	S BY GC/MS	SW	8260B		
,1,1,2-Tetrachloroethane	ND	3.5	0.15	μg/Kg-dry 1	01/16/06 16:45
,1,1-Trichlorcethane	• ND	3.5	0.14	µg/Kg-dry 1	01/16/06 16:45
,1,2,2-Tetrachloroethane	ND ·	3.5	0.22	µg/Kg-dry 1	01/16/06 16:45
,1,2-Trichloro-1,2,2- iffluoroethane	ND	3.5	0.14	µg/Kg-dry 1	01/16/06 16:45
,1,2-Trichloroethane	ND	3.5	0.15	µg/Kg-dry 1	01/16/06 16:45
,1-Dichioroethane	ND	3.5	0.14	µg/Kg-dry 1	01/16/06 16:45
1-Dichloroethene	ND	3.5	0.20	µg/Kg-dry 1	01/16/06 16:45
1-Dichloropropene	ND	3.5	0.14	µg/Kg-dry 1	01/16/06 16:45
,2,3-Trichlorobenzene	ND	7.0	0.70	µg/Kg-dry 1	01/16/06 16:45
,2,3-Trichloropropane	ND	3.5	0.24	µg/Kg-dry 1	01/16/06 16:45
,2,4-Trichlorobenzene	ND	7.0	0.48	µg/Kg-dry 1	01/16/06 16:45
,2,4-Trimethylbenzene	ND	3.5	0.15	µg/Kg-dry 1	01/16/06 16:45
,2-Dibromo-3-chloropropane	· ND	7.0	0.56	µg/Kg-dry 1	01/16/06 16:45
,2-Dibromoethane	ND	3.5	0.13	µg/Kg-dry 1	01/16/06 16:45
,2-Dichlorobenzene	ND	3.5	0.13	µg/Kg-dry 1	01/16/06 16:45
,2-Dichloroethane	ND	3.5	0.14	µg/Kg-dry 1	01/16/06 16:45
,2-Dichloropropane	ND	3.5	0.11	µg/Kg-dry 1	01/16/06 16:45
,3,5-Trimethylbenzene	ND	3,5	0.13	μg/Kg-dry 1	01/16/08 16:45
,3-Dichlorobenzene	ND	3.5	0.14	µg/Kg-dry 1	01/16/06 16:45
,3-Dichloropropane	ND	3.5	0.11	µg/Kg-dry 1	01/16/06 16:45
,4-Dichlorobenzene	ND	3.5	0.18	µg/Kg-dry 1	01/16/06 16:45
2,2-Dichloropropane	ND	3.5	0.13	μg/Kg-dry 1	01/16/06 16:45
2-Butanone	ND	14	0.20	µg/Kg-dry 1	01/16/06 16:45
2-Chlorotoluene	ND	3.5	0.10	μg/Kg-dry 1	01/16/06 16:45
-Hexanone	ND	7.0	0.31	μg/Kg-dry 1	01/16/06 16:45
l-Chlorotoluene	ND	3.5	0.22	µg/Kg-dry 1	01/16/06 16:45
Methyl-2-pentanone	ND	7.0	0.34	µg/Kg-dry 1	01/16/06 16:45
Acetone	2.3 J	. 14	0.55	µg/Kg-dry 1	01/16/06 16:45
Benzene	ND	3.5	0.13	µg/Kg-dry 1	01/16/06 16:45
Bromobenzene	ND	3.5	0.21	µg/Kg-dry 1	01/16/06 16:45
Bromochloromethane	ND	3.5	0.22	µg/Kg-dry 1	01/16/06 16:45
Sromodichloromethane	ND	3.5	0.11	μg/Kg-dry 1	01/16/06 16:45
Bromoform	ND	3.5	0.08	µg/Kg-dry 1	01/16/06 16:45
Bromomethane	ND	7.0	0.42	µg/Kg-dry 1	01/16/06 16:45
Qualifiers: B Analyte detected in	the associated Meth	od Blank	E V	value exceeds the instrument cali	bration range
H Holding times for p	eparation or analysi	s exceeded	JA	Analyte detected below the PQL	
ND Not Detected at the S Spike Recovery out	Practical Quantitation		ΡF	rim./Conf. column %D or RPD	exceeds limit

53

	Life Science		ries, Inc.	nc. Analytical Resu					
And a state of the	000 Brittonfield Park Cast Syracuse, NY 13	• •	437-0200						
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engi Geneva Foundry 0601049 SOIL			Lab ID:         0601049-009A           Client Sample ID:         BH-24-D           Collection Date:         01/11/06 9:50           Date Received:         01/12/06 7:50					
Inst. ID:	MS03 10	Sample Size:	-	PrepDate: BatchNo: R4188					
ColumnID: Revision:	ColumnID: Rtx-VMS Revision: 01/20/06 9:58:21 A		%Moisture: 28.5 TestCode: 8260S TAGML		FileID: 1-SAMP-J8219.D				
Analyte	2	Result Qua	I PQL	MDI	, Units	DF	Date Analyzed		
	ORGANIC COMPOUN	DS BY GC/MS	SW	8260B					
Carbon disulfi		ND	3.5	0.08	μg/Kg-dry	1	01/16/06 16:45		
Carbon tetraci		ND	3.5	0.15	µg/Kg-dry		01/16/06 16:45		
Chlorobenzen		ND	3.5	0.13	µg/Kg-dry		01/16/06 16:45		
Chloroethane		ND ND	3.5 7.0	0.13	µg/Kg-dry		01/16/06 16:45		
Chloroform	·		7.0 3.5	0.41	µg/Kg-dry		01/16/06 16:45		
	-	ND		0.06	µg/Kg-dry		01/16/06 16:45		
Chloromethan	-	, ND	7.0				01/16/06 16:45		
sis-1,2-Dichlo		ND	3.5	0.15	μg/Kg-dry		01/16/06 16:45		
cis-1,3-Dichlo		ND	3.5	0.13	µg/Kg-dry		D1/16/06 16:45		
Dibromochlor		ND	3.5	0.18	μg/Kg-dry				
Dibromometh		ND	3.5	0.15	µg/Kg-dry		01/16/06 16:45		
Dichlorodifluo	· · · · ·	ND	7.0	0.11	µg/Kg-dry		01/16/06 16:45		
Ethylbenzene		ND	3.5	0.14	µg/Kg-dry		01/16/06 16:45		
lexachlorobutadiene		ND	7.0	0.55	µg/Kg-dry		01/16/06 16:45		
sopropylbenzene		ND	3.5	0.11	µg/Kg-dry		01/16/06 16:45		
Viethyl tert-bu	tyl ether	ND	3.5	0.10	µg/Kg-dry		01/16/06 16:45		
viethylene chi	loride	ND	7.0	0.56	µg/Kg-dry		01/16/06 16:45		
n-Butylbenzer	ne	ND	3.5	0.17	µg/Kg-dry	1	01/16/06 16:45		
n-Propylbenze	ene	ND	3.5	0.13	µg/Kg-dry	1	01/16/06 16:45		
Naphthalene	· · · · ·	ND	7.0	0.52	µg/Kg-dry	1	01/16/06 16:45		
-Isopropyitol	uene	ND	3.5	0.13	μg/Kg-dry	1	01/16/06 16:45		
ec-Butylbenz	zene	ND	3.5	0.18	µg/Kg-dry	1	01/16/06 16:45		
Styrene		ND	3.5	0.14	µg/Kg-dry		01/16/06 16:45		
ert-Butylbenz	ene	ND	3.5	0.18	µg/Kg-dry		01/16/06 16:45		
Tetrachloroeth		ND	3.5	0.20	µg/Kg-dry		01/16/06 16:45		
Toluene		ND	3.5	0.17	μg/Kg-dry		01/16/06 16:45		
rans-1,2-Dich	loroethene	ND	3.5	0.14	µg/Kg-dry		01/16/06 16:45		
rans-1,3-Dich		ND	3.5	0.13	μg/Kg-dry		01/16/06 16:45		
Trichloroether		ND	3.5	0.15	µg/Kg-dry		01/16/06 16:45		
i richlorofluoro		ND	7.0	0.10	μg/Kg-dry		01/16/06 16:45		
Vinyi chloride		ND	7.0	0.11	μg/Kg-dry		01/16/06 16:45		
vinyi calonde (ylenes (total)		ND	7.0	0.25	µg/Kg-dry		01/16/06 16:45		
				0.25 0.18	%REC	1	01/16/06 16:45		
-		71-128	0.18	%REC %REC	-	01/16/06 16:45			
Surr. 4-Bromofluorobenzene 62.3 59-12 Surr. Dibromofluoromethane 102 40-15				%REC %REC		01/16/06 16:45			
Surr. Dibroi Surr. Tolue		102 89.4	40-156 75-125	0.25 0.17	%REC %REC	1	01/16/06 16:45		
Ovelle	B Analyte detected in	the associated Method	l Blank	E	Value exceeds the inst	ument ca	libration range		
Qualifiers:	•	reparation or analysis			Analyte detected below		—		
	•	• •			Prim /Conf. column %		•		
	ND Not Detected at the	Practical Quantitation	ւսոու (ՐՎԼ)	r	t univernit enimin %		ANALY TIME		

LIENT: O'Brien & Gere Engines roject: Geneva Foundry / Order: 0601049 fatrix: SOIL ast. ID: MS03 10 olumnID: Rtx-VMS evision: 01/19/06 2:30:18 P nalyte OLATILE ORGANIC COMPOUNDS 1,1,2-Tetrachloroethane 1,2,2-Tetrachloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane	Sample Size %Moisture TestCode: Result Qu	: 28.5 8260S TAGML 181 PQL	Collection Date Rece PrepDate BatchNo:	nple ID: BH Date: 01/1 sived: 01/1 : R42 1-RA Units µg/Kg-dry µg/Kg-dry µg/Kg-dry	1/06 9: 2/06 7: 49 A-J8267 DF 1 1	;50 ;50
olumnID: Rtx-VMS evision: 01/19/06 2:30:18 P nalyte OLATILE ORGANIC COMPOUNDS 1,1,2-Tetrachloroethane 1,1-Trichloroethane 1,2-Zetrachloroethane 1,2-Trichloro-1,2,2- fluoroethane	%Moisture: TestCode: Result Qu BY GC/MS ND ND ND ND ND	: 28.5 8260S TAGML 1al PQL SW 3.5 3.5 3.5 3.5 3.5 3.5	BatchNo: FileID: MDL 8260B 0.15 0.14 0.22	R42 1-R/ Units µg/Kg-dry µg/Kg-dry µg/Kg-dry	A-J8267 DF 1 1	Date Analyze
<b>OLATILE ORGANIC COMPOUNDS</b> 1,1,2-Tetrachloroethane 1,1-Trichloroethane 1,2,2-Tetrachloroethane 1,2-Trichloro-1,2,2- fluoroethane	BY GC/MS ND ND ND ND ND	SW 3.5 3.5 3.5 3.5 3.5	8260B 0.15 0.14 0.22	μg/Kg-dry μg/Kg-dry μg/Kg-dry	1	01/18/06 20:02
1,1,2-Tetrachloroethane 1,1-Trichloroethane 1,2,2-Tetrachloroethane 1,2-Trichloro-1,2,2- fluoroethane	ND ND ND ND	3.5 3.5 3.5 3.5	0.15 0.14 0.22	µg/Kg-dry µg/Kg-dry	1	
1,1-Trichloroethane 1,2,2-Tetrachloroethane 1,2-Trichloro-1,2,2- Ruoroethane	ND ND ND	3.5 3.5 3.5	0.14 0.22	µg/Kg-dry µg/Kg-dry	1	
1,2,2-Tetrachloroethane 1,2-Trichloro-1,2,2- iluoroethane	ND ND ND	3.5 3.5	0.22	µg/Kg-dry		01/18/06 20:02
1,2-Trichloro-1,2,2- Ruoroethane	ND ND	3.5		µg/Kg-dry		
luoroethane	ND		0.14	-	٦	01/18/06 20:02
1.2-Trichloroethane		3.5		µg/Kg-dry	1	01/18/06 20:02
1	• ND		0.15	µg/Kg-dry	1	01/18/06 20:02
1-Dichioroethane		3.5	0.14	µg/Kg-dry	1	01/18/06 20:02
1-Dichloroethene	ND	3.5	0.20	µg/Kg-dry	1	01/18/06 20:02
1-Dichloropropene	ND	3.5	0.14	⊢µg/Kg-dry	1	01/18/06 20:02
2,3-Trichlorobenzene	ND	7.0	0.70	µg/Kg-dry	1	01/18/06 20:02
2,3-Trichloropropane	ND	3.5	0.24	µg/Kg-dry	1	01/18/06 20:02
2,4-Trichlorobenzene	ND	7.0	0.48	µg/Kg-dry	1.	01/18/06 20:02
2,4-Trimethylbenzene	ND	3.5	0.15	µg/Kg-dry	1	01/18/06 20:02
2-Dibromo-3-chloropropane	ND	7.0	0.56	µg/Kg-dry	1	01/18/06 20:02
2-Dibromoethane	ND	3.5	0.13	µg/Kg-dry	1	01/18/06 20:02
2-Dichlorobenzene	ND	3.5	0.13	µg/Kg-dry		01/18/06 20:02
2-Dichloroethane	ND	3.5	0.14	µg/Kg-dry		01/18/06 20:02
2-Dichloropropane	ND	3.5	0.11	µg/Kg-dry	1	01/18/08 20:02
3,5-Trimethylbenzene	ND	3.5	0.13	µg/Kg-dry	1	01/18/06 20:02
3-Dichlorobenzene	ND	3.5	0.14	µg/Kg-dry	1	01/18/06 20:02
3-Dichloropropane	ND	3.5	0.11	µg/Kg-dry		01/18/08 20:02
I-Dichlorobenzene	ND	3.5	0.18	µg/Kg-dry	1	01/18/06 20:02
2-Dichloropropane	ND	3.5	0.13	µg/Kg-dry	1	01/18/06 20:02
Butanone	ND	14	0.20	µg/Kg-dry	1	01/18/06 20:02
Chlorotoluene	ND	3.5	0.10	µg/Kg-dry	1	01/18/06 20:02
lexanone	ND	7.0	0.31	µg/Kg-dry		01/18/06 20:02
Chlorotoluene	ND	3.5	0.22	µg/Kg-dry	1	01/18/06 20:02
Methyl-2-pentanone	ND	7.0	0.34	µg/Kg-dry	1	01/18/06 20:02
etone	1.7 J	14	0.55	µg/Kg-dry	1	01/18/06 20:02
nzene	ND	3.5	0,13	µg/Kg-dry	1	01/18/06 20:02
omobenzene	· ND	3.5	0.21	µg/Kg-dry	1	01/18/06 20:02
omochloromethane	ND	3.5	0.22	µg/Kg-dry	1	01/16/06 20:02
omodichloromethane	ND	3.5	0.11	µg/Kg-dry	1	01/18/06 20:02
omoform	ND	3,5	0.08	µg/Kg-dry	1	01/18/06 20:02
omomethane	ND	7.0	0.42	µg/Kg-dry	1	01/16/06 20:02
ualifiers: B Analyte detected in the	associated Metho	od Blank	E Value e	xceeds the instru	nent calil	bration range
H Holding times for prepa	ution or analysis	s exceeded	J Analyte	detected below th	he PQL	

	& Gere Engineers, Inc. Foundry 9		Collectio	Lab D:         0601049-009A           Client Sample D:         BH-24-D           Collection Date:         01/11/06 9:50           Date Received:         01/12/06 7:50				
Inst. ID: MS03 1 ColumnID: Rtx-VM		ите: 28.5	PrepDate BatchNo VIL FileID:		'.D			
Analyte	Result	Qual PQL	MDL	Units DF	Date Analyzed			
VOLATILE ORGANIC	COMPOUNDS BY GC/M	S	SW8260B					
Carbon disulfide	ND	3,5	0.08	µg/Kg-dry 1	01/18/06 20:02			
Carbon tetrachioride	ND ND	3.5	0.15	µg/Kg-dry 1	01/18/06 20:02			
Chlorobenzene	ND	3.5	0.13	µg/Kg-dry 1	01/18/06 20:02			
Chloroethane	ND	7.0	0.41	µg/Kg-dry 1	01/18/06 20:02			
Chloroform	ND	3.5	0.06	µg/Kg-dry 1	01/18/06 20:02			
Chloromethane	· ND	7.0	0.53	µg/Kg-dry 1	01/18/06 20:02			
is-1,2-Dichloroethene	ND	3.5	0.15	µg/Kg-dry 1	01/18/06 20:02			
is-1,3-Dichloropropene	ND	3.5	0.13	µg/Kg-dry 1	01/18/06 20:02			
Dibromochloromethane	. ND	3.5	0.18	µg/Kg-dry 1	01/18/06 20:02			
Dibromomethane	ND	3.5	0.15	µg/Kg-dry 1	01/18/06 20:02			
Dichlorodifluoromethane	ND	7.0	0.11	µg/Kg-dry 1	01/18/06 20:02			
thylbenzene	ND	3.5	0.14	µg/Kg-dry 1	01/18/06 20:02			
lexachlorobutadiene	ND	7.0	0.55	µg/Kg-dry 1	01/18/06 20:02			
sopropyibenzene	ND	3.5	0.11	µg/Kg-dry 1	01/18/06 20:02			
lethyl tert-butyl ether	ND	3.5	0.10	µg/Kg-dry 1	01/18/06 20:02			
Aethylene chloride	1.7	J 7.0	0.56	µg/Kg-dry 1	01/18/06 20:02			
-Butylbenzene	ND	3.5	0.17	,µg/Kg-dry 1	01/18/06 20:02			
-Propylbenzene	ND	3.5	0.13	µg/Kg-dry 1	01/18/06 20:02			
laphthalene	ND	7.0	0.52	µg/Kg-dry ∫1	01/18/06 20:02			
-Isopropyitoluene	· ND	3.5	0.13	µg/Kg-dry 1	01/18/06 20:02			
ec-Butylbenzene	ND	3.5	0.18	µg/Kg-dry 1	01/18/06 20:02			
Styrene	ND	3.5	0.14	µg/Kg-dry 1	01/18/06 20:02			
ert-Butylbenzene	· ND	3.5	0.18	µg/Kg-dry 1	01/18/06 20:02			
etrachloroethene	ND	3.5	0.20	µg/Kg-dry 1	01/18/06 20:02			
oluene	ND	3.5	0.17 ·	µg/Kg-dry 1	01/18/06 20:02			
rans-1,2-Dichloroethene	e ND	3.5	Ũ 14	µg/Kg-dry î	01/18/06 20:02			
rans-1,3-Dichloroproper	ne ND	3.5	0.13	µg/Kg-dry_1	01/18/06 20:02			
richloroethene	. ND	3.5	0.15	µg/Kg-dry`1	01/18/06 20:02			
richlorofluoromethane	ND	7.0	0.11	µg/Kg-dry 1	01/18/06 20:02			
/inyl chloride	ND	7.0	0.11	µg/Kg-dry 1	01/18/06 20:02			
(ylenes (total)	ND	7.0	0.25	µg/Kg-dry 1	01/18/06 20:02			
Sur: 1,2-Dichloroetha	ane-d4 88.5	71-128	0.18	%REC 1	01/18/06 20:02			
Surr: 4-Bromofluorobe	enzene 59.1	59-125	0.13	%REC 1	01/18/06 20:02			
Surr: Dibromofluorom	ethane 103	40-156	0.25	%REC 1	01/18/06 20:02			
Surr: Toluene-d8	85.9	75-125	0.17	%REC 1	01/18/06 20:02			
H Hol	alyte detected in the associated N lding times for preparation or an	alysis exceeded	J Analy	exceeds the instrument calil te detected below the PQL	-			
	t Detected at the Practical Quant ke Recovery outside accepted re		P Prim.	Conf. column %D or RPD e				

East Syracuse, NY 130	57 (315)	437-0200	StateCertNo: 10155				
CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601049 Watrix: SOIL	eers, Inc.		Lab ID:         0601049-010A           Client Sample ID:         BH-25-S           Collection Date:         01/11/06 12:10           Date Received:         01/12/06 7:50				
inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:21 A	Sample Size: %Moisture: TestCode:		PrepDate BatchNo FileID:	: R	4188 SAMP-J8	3220.D	
Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyze	
OLATILE ORGANIC COMPOUND	S BY GC/MS	SW	8260B				
,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dr	y 1	01/16/06 17:20	
,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-di	-	01/16/06 17:20	
,1,2,2-Tetrachloroethane	ND	3.1	0.20	µg/Kg-di		01/16/06 17:20	
,1,2-Trichloro-1,2,2- ifluoroethane	ND	3.1	0.12	µg/Kg-di		01/16/06 17:20	
,1,2-Trichloroethane	ND ·	3.1	0.14	µg/Kg-di	y_1	01/16/06 17:20	
1-Dichloroethane	ND	3.1	0.12	µg/Kg-di	у 1	01/16/06 17:20	
,1-Dichloroethene	ND	3.1	0.17	µg/Kg-di	y 1	01/16/06 17:20	
1-Dichloropropene	ND ·	3.1	0.12	µg/Kg-di	y 1	01/16/06 17:20	
2,3-Trichlorobenzene	ND	6.2	0.62	µg/Kg-di	y 1.	01/16/06 17:20	
2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-di	y 1	01/16/06 17:20	
2,4-Trichlorobenzene	ND	6.2	0.42	µg/Kg-di	ý 1	01/16/06 17:20	
2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-di	y 1 👘	01/16/06 17:20	
,2-Dibromo-3-chloropropane	ND	6.2	0.49	µg/Kg-di	у 1	01/16/06 17:20	
2-Dibromoethane	ND	3.1	0.11	µg/Kg-di	у 1	01/16/06 17:20	
2-Dichlorobenzene	ND	<b>3.1</b>	0.11	µg/Kg-di	у 1	01/16/06 17:20	
2-Dichloroethane	ND	3.1	0.12	µg/Kg-di	у 1	01/16/06 17:20	
2-Dichloropropane	ND	3.1	0.10	µg/Kg-di	у 1	01/16/06 17:20	
,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-di	y 1	01/16/06 17:20	
,3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-di	y 1	01/16/06 17:20	
3-Dichloropropane	ND	3.1	0.10	µg/Kg-di	у1.	01/16/06 17:20	
4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-di	у 1	01/16/06 17:20	
2-Dichloropropane	ND	3.1	0.11	µg/Kg-d	yî	01/16/06 17:20	
-Butanone	ŅD	12	0,17	µg/Kg-d	y 1	01/16/06 17:20	
-Chlorotoluene	ND	3.1	0.09	μg/Kg-d	y 1	01/16/06 17:20	
-Hexanone	ND	6.2	0.27	µg/Kg-d		01/16/06 17:20	
-Chlorotoluene	ND	3.1	0.20	µg/Kg-d	-	01/16/06 17:20	
Methyl-2-pentanone	ND	6.2	0.30	µg/Kg-d	-	01/16/06 17:20	
cetone	3.3 J	12	0.46	µg/Kg-d		01/16/06 17:20	
enzene	ND	3.1	0.11	µg/Kg-d	•	01/16/06 17:20	
romobenzene	ND	3.1	0.19	µg/Kg-d	-	01/16/06 17:20	
ornochloromethane	ND	3.1	0.20	µg/Kg-d	-	01/16/06 17:20	
romodichloromethane	ND .	3.1	0.10	µg/Kg-d		01/16/06 17:20	
romoform	ND	3.1	0.07	µg/Kg-d		01/16/06 17:20	
romomethane	ND	6.2	0.37	µg/Kg-d	ry 1	01/16/06 17:20	
Qualifiers: B Analyte detected in the	he associated Metho	od Blank	E Value	exceeds the ins	trument cal	ibration range	
H Holding times for pro			j Analy	te detected belo	w the PQL	•	
ND Not Detected at the F S Spike Recovery outsi	ractical Quantitatic de accepted recove		P Prim.	Conf. column ?	%D or RPD	exceeds limit	

# LSL 5000 Brittonfield Parkway, Suite 200

CLIENT: C	)'Brien & Gere Engin	eers Inc		Lab ID: 0601049-010A			
	Geneva Foundry	iceis, ille.			aple ID: <u>BH-2</u>		
_	601049			Collection	-	06 12:10	
	OIL			Date Rece		06 7:50	
		a 1 a	4.00				
	AS03 10	Sample Size:	-	PrepDate: BatchNo:		•	
ColumnID: R		%Moisture:		FileID:		<b>P-J8220.D</b>	
Revision: 0	1/20/06 9:58:21 A	TestCode:	8260S TAGML	ruen.	1-0/10		
Inalyte		Result Qu	al PQL	MDL	Units Dl	F Date Analyze	
OLATILE OR	GANIC COMPOUN	DS BY GC/MS	SW	8260B			
arbon disulfide	•	ND	3.1	0.07	µg/Kg-dry 1	01/16/06 17:20	
arbon tetrachlo	ride	ND	3.1	0.14	µg/Kg-dry 1	01/16/06 17:20	
hlorobenzene		ND	3.1	0.11	µg/Kg-dry 1	01/16/06 17:20	
hloroethane		ND	6.2	0.36	µg/Kg-dry 1	01/16/06 17:20	
hloroform		ND	3.1	0.05	µg/Kg-dry 1	01/16/06 17:20	
hloromethane		ND	6.2	0.47	µg/Kg-dry 1	01/16/06 17:20	
is-1,2-Dichloroe	ethene	ND	3.1	0.14	µg/Kg-dry 1	01/16/06 17:20	
is-1,3-Dichlorop	огореле	ND	3.1	0.11	µg/Kg-dry 1	01/16/06 17:20	
)ibromochlorom	ethane	ND	3.1	0.16	µg/Kg-dry 1	01/16/06 17:20	
)ibromomethan	B	ND	3.1	0.14	µg/Kg-dry 1	01/16/06 17:20	
ichlorodifluoron	nethane	ND	6.2	0.10	µg/Kg-dry 1	01/16/06 17:20	
thylbenzene		ND	3.1	0.12	µg/Kg-dry 1	01/16/06 17:20	
lexachlorobutad	liene	NÐ	6.2	0.48	µg/Kg-dry 1	01/16/06 17:20	
sopropytbenzen	ê	ND	3.1	0.10	µg/Kg-dry 1	01/16/05 17:20	
lethyl tert-butyl	ether	ND	3.1	0.09	µg/Kg-dry 1	01/16/05 17:20	
lethylene chlori	de	1.5 J	6.2	0.49	µg/Kg-dry 1	01/16/06 17:20	
-Butylbenzene		ND	3.1	0.15	µg/Kg-dry 1	01/16/06 17:20	
-Propylbenzene	)	ND	3.1	. 0.11	µg/Kg-dry 1	01/16/06 17:20	
laphthalene		ND	6.2	0.46	µg/Kg-dry 1	01/16/06 17:20	
-isopropyttolue	ne	ND	3.1	0.11	µg/Kg-dry 1	01/16/06 17:20	
ec-Butylbenzen	e	ND	3.1	0.16	µg/Kg-dry 1	01/16/06 17:20	
ityrene		ND	3.1	0.12	µg/Kg-dry 1	01/16/06 17:20	
ert-Butylbenzen	e	· ND	3.1	0.16	µg/Kg-dry 1	01/16/06 17:20	
etrachloroether	ne	ND	3.1	0.17	µg/Kg-dry 1	01/16/06 17:20	
oluene		ND	3.1	0.15	µg/Kg-dry 1	01/16/06 17:20	
ans-1,2-Dichlor	roethene	ND	3.1	0.12	µg/Kg-dry 1	01/16/06 17:20	
ans-1,3-Dichlor	ropropene	ND	3.1	0.11	µg/Kg-dry 1	01/16/06 17:20	
richloroethene		ND	3.1	0.14	µg/Kg-dry 1	01/16/06 17:20	
richlorofluorom	ethane :	ND	6.2	0.10	µg/Kg-dry 1	01/16/06 17:20	
inyl chloride		ND	6,2	0.10	µg/Kg-dry 1	01/16/06 17:20	
(ylenes (total)		ND	6.2	0.22	µg/Kg-dry 1	01/16/05 17:20	
•	loroethane-d4	91.6	71-128	0.16	%REC 1	01/16/06 17:20	
	ofluorobenzene	48.7 S	59-125	0.11	%REC 1	01/16/06 17:20	
Surr. Dibromo	ofluoromethane	116	40-156	0.22	%REC 1	01/16/06 17:20	
Surr: Toluene		69.4 S	75-125	0.15	%REC 1	01/16/06 17:20	
Qualifiers:	B Analyte detected in	the associated Metho	d Blank	E Value	exceeds the instrume	nt calibration range	
~marrielle &e	· · · ·	reparation or analysis		•	e detected below the		
ND Not Detected at the Practical Quantitation Limit (PQ				P Prim./	Conf. column %D or	RPD exceeds limit	

roject:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID:         0601049-010A           Client Sample ID:         BH-25-S           Collection Date:         01/11/06 12:10           Date Received:         01/12/06 7:50			
olumnID: ]	MS03 10 Rtx-VMS 01/20/06 9:58:03 A	Sample Size: %Moisture: TestCode:	_	PrepDat BatchNo FileID:	e: R42	263 A-J827	'4.D
nalyte		Result Qu	al PQL	MDL	Units	DF	Date Analyze
OLATILE O	RGANIC COMPOUND	S BY GC/MS	SW	8260B			
1,1,2-Tetrach	loroethane	ND	3.1	0.14	µg/Kg-dry	1	01/19/06 13:31
1,1-Trichloroe		ND	3.1	0.12	µg/Kg-dry		01/19/06 13:31
1,2,2-Tetrach		ND	3.1	0.20	µg/Kg-dry		01/19/06 13:31
,1,2-Trichloro- ifluoroethane		ND	3.1	0.12	µg/Kg-dry		01/19/06 13:31
1,2-Trichloroe		ND	3.1	0.14	µg/Kg-dry		01/19/06 13:31
1-Dichloroetha		ND	3.1	0.12	µg/Kg-dry		01/19/06 13:31
1-Dichloroeth		ND	3.1	0.17	µg/Kg-dry		01/19/06 13:31
1-Dichloropro	•	ND	3.1	0.12	μg/Kg-dry		01/19/06 13:31
2,3-Trichlorob		ND	6.2	0.62	µg/Kg-dry		01/19/06 13:31
2,3-Trichlorop	•	ND	3.1	0.21	µg/Kg-dry		01/19/06 13:31
2,4-Trichlorob	,	NÐ	6.2	0.42	µg/Kg-dry		01/19/06 13:31
2,4-Trimethylt		ND	3.1	0.14	µg/Kg-dry		01/19/06 13:31
	chloropropane	ND	6.2	0.49	µg/Kg-dry		01/19/06 13:31
2-Dibromoeth		ND	3.1	0.11	µg/Kg-dry		01/19/06 13:31
2-Dichloroben		ND	3.1	0.11	µg/Kg-dry		01/19/06 13:31
2-Dichloroetha		ND	3.1	0.12	µg/Kg-dry		01/19/06 13:31
2-Dichloropro		ND	3.1	0.10	µg/Kg-dry		01/19/06 13:31
3,5-Trimethylt		ND	3.1	0.11	µg/Kg-dry		01/19/06 13:31
3-Dichloroben		ND	3.1	0.12	µg/Kg-dry		01/19/06 13:31
3-Dichloroproj	•	ND	3.1	0.10	µg/Kg-dry		01/19/06 13:31
4-Dichlomben		ND	3.1	0.16	µg/Kg-dry		01/19/06 13:31
2-Dichloropro;	pane	ND	3.1	0.11	µg/Kg-dry		01/19/06 13:31
Butanone		ND	12	0.17	µg/Kg-dry	1	01/19/06 13:31
Chlorotoluene	9	ND	3.1	0.09	µg/Kg-dry	1	01/19/06 13:31
Hexanone	, · · ·	ND	6.2	0.27	µg/Kg-dry		01/19/06 13:31
Chlorotoluene		ND	3.1	0.20	µg/Kg-dry		01/19/06 13:31
Methyl-2-pent	anone	ND	6.2	0.30	µg/Kg-dry		01/19/06 13:31
cetone		3.0 J	12	0.48	µg/Kg-dry		01/19/06 13:31
enzene		ND	3.1	0.11	µg/Kg-dry		01/19/06 13:31
romobenzene	4h	ND	3.1	0.19	µg/Kg-dry		01/19/06 13:31
romochlorome	· · · · ·	ND	3.1	0.20	µg/Kg-dry		01/19/06 13:31
romodichloron	nevnane	ND	3.1	0.10	µg/Kg-dry		01/19/06 13:31
romoform		ND	3.1	0.07	µg/Kg-dry		01/19/06 13:31
romomethane	•	ND	6.2	0.37	µg/Kg-dry	1	01/19/06 13:31
)ualifiers:	B Analyte detected in th	e associated Metho	d Blank	E Value	exceeds the instru	unent cal	ibration range
	H Holding times for pre	paration or analysis	exceeded	J Analy	te detected below	the PQL	
ND Not Detected at the Practical Quantitation Limit (PQL)				P Prim.	/Conf. column %D	. <u>.</u>	

CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	neers, Inc.		Lab ID:         0601049-010A           Client Sample ID:         BH-25-S           Collection Date:         01/11/06 12:10           Date Received:         01/12/06 7:50				
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:03 A	Sample Size: 4. %Moisture: 19 TestCode: 82	_	Prep Batc FileI		1263 RA-J8274.D		
Analyte	Result Qual	PQL	MDL	, Units	DF	Date A	nalyzed
VOLATILE ORGANIC COMPOUNI			8260B				
Carbon disulfide		3.1	0.07	.µg/Kg−drj	•	01/19/06	
Carbon tetrachloride	e de la companya de l	3.1	0.14	µg/Kg-drj	-	01/19/06	
Chlorobenzene		3.1	0.11	µg/Kg-dry		01/19/06	
Chloroethane	•	6.2	0.36	µg/Kg-drj		01/19/06	
Chloroform		3.1	0.05	µg/Kg-drj		01/19/06	
Chloromethane		6.2	0.47	ug/Kg-dŋ		01/19/06	
sis-1,2-Dichloroethene		3.1	0.14	µg/Kg-dŋ	•	01/19/06	
is-1,3-Dichloropropene		3.1	0.11	µg/Kg-dŋ		01/19/06	
Dibromochloromethane		3.1	0.16	µg/Kg-dŋ		01/19/06	
Dibromomethane		3.1	0.14	µg/Kg-dŋ		01/19/06	
Dichlorodifluoromethane		6.2	0.10	µg/Kg-drj		01/19/06	-
thylbenzene		3.1	0.12	µg/Kg-drj		01/19/06	
lexachlorobutadiene	•	6.2	0.48	µg/Kg-dry	•	01/19/06	
sopropylbenzene		3.1	0.10	µg/Kg-dŋ		01/19/06	
Nethyl tert-butyl ether		3.1	0.09	µg/Kg-dŋ		01/19/06	
Aethylene chloride		6.2	0.49	µg/Kg-dŋ		01/19/06	
i-Butylbenzene		3.1	0.15	µg/Kg-dŋ		01/19/06	
-Propyibenzene	ND	3.1	0.11	µg/Kg-dŋ		01/19/06	
Naphthalene	0.73 J	6.2	0.46	µg/Kg-dŋ		01/19/06	
Sopropyitoluene	ND	3.1	0.11	µg/Kg-dŋ	•	01/19/06	
ec-Butylbenzene	ND S	3.1	0.16	µg/Kg-dŋ	•	01/19/06	
Styrene	ND	3.1 ·	0.12	µg/Kg-dŋ	y 1	01/19/06	13:31
ert-Butylbenzene		3.1	0.16	µg/Kg-dŋ		01/19/06	
<b>Fetrachloroethene</b>	ND	3.1	0.17	µg/Kg-dŋ		01/19/06	
Foluene	ND	3.1	0.15	µg/Kg-dŋ	y 1	01/19/06	
rans-1,2-Dichloroethene	ND	3.1	0.12	µg/Kg-ciŋ		01/19/06	
rans-1,3-Dichloropropene	ND	3.1	0.11	µg∕Kg-dŋ		01/19/06	
richloroethene	· ND	3.1	0.14	µg/Kg-dŋ	y 1	01/19/06	13:31
richlorofluoromethane	ND	6.2	0.10	µg/Kg-dŋ	y 1	01/19/06	13:31
Inyl chloride	ND	6.2	0.10	µg/Kg-dŋ	y 1	01/19/06	13:31
ylenes (total)	ND	6.2	0.22	µg/Kg-dŋ	y 1 -	01/19/06	
Surr: 1,2-Dichloroethane-d4	90.4	71-128	0.16	%REC	1	01/19/06	
Surr: 4-Bromofluorobenzene	49.2 S	59-125	0.11	%REC	1	01/19/06	13:31
Surr: Dibromofluoromethane	118	40-156	0.22	%REC	1	01/19/06	
Surr: Toluene-d8	65.4 S	75-125	0,15	%REC	1	01/19/06	13:31
Qualifiers: B Analyte detected in t	the associated Method B	lank	E	Value exceeds the inst	rument calibrati	on range	•
	eparation or analysis exc	ceeded	J.	Analyte detected below	w the PQL		
ND Not Detected at the l	Practical Quantitation Li	imit (PQL)	P	Prim./Conf. columa %	D or RPD excee	eds limit	•
S Spike Recovery outs	ide accepted recovery li	mits		<b>'</b> .			

**Analytical Results** 

CLIENT: Project; W Order: Vlatrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	eers, Inc.	Lab ID:         0601049-0           Client Sample ID:         BH-25-D           Collection Date:         01/11/06 12           Date Received:         01/12/06 7:				) 2:20	
nst. ID: ColumnID: Revision:	MS03 10 Rtx-VMS 01/20/06 9:58:21 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:	R4 1-S	188 AMP-J82	21.D	
nalyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Units	DF	Date Analyze	
OLATILE C	RGANIC COMPOUND	S BY GC/MS	SW	8260B				
,1,1,2-Tetracl	-	ND	3.1	0.14	µg/Kg-dry	1	01/16/06 17:55	
,1,1-Trichloro		ND	3.1	0.12	µg/Kg-dry		01/16/06 17:55	
, 1, 2, 2-Tetracl		ND	3.1	0.20	µg/Kg-dry	1	01/16/06 17:55	
,1,2-Trichloro Ifluorcethane	-1,2,2-	, ND	3.1	0.12	µg/Kg-dry	1	01/16/06 17:55	
,1,2-Trichloro		ND	3.1	0.14	µg/Kg-dry	1	01/16/06 17:55	
1-Dichloroet	ane	ND	3.1	0.12	µg/Kg-dry	1	01/16/06 17:55	
,1-Dichlorceti	tene	ND	3.1	0.17	µg/Kg-dry	1	01/16/06 17:55	
,1-Dichloropn	opene	ND	3.1	0.12	µg/Kg-dry	1	01/16/06 17:55	
2,3-Trichloro	benzene	ND	6.2	0.62	µg/Kg-dry	1	01/16/06 17:55	
2,3-Trichloro	propane	ND	3.1	0.21	µg/Kg-dry	1	01/16/06 17:55	
2,4-Trichloro	benzene	ND	6.2	0.42	µg/Kg-dry	i	01/16/06 17:55	
2,4-Trimethy	Ibenzene	ND	3.1	0.14	µg/Kg-dry		01/16/06 17:55	
2-Dibromo-3	-chloropropane	ND	6.2	0.50	µg/Kg-dry	1	01/16/06 17:55	
2-Dibromoet	hane	· ND	3.1	0.11	µg/Kg-dry		01/16/06 17:55	
,2-Dichlorobe	nzene	ND ·	3.1	0.11	µg/Kg-dry		01/16/06 17:55	
2-Dichloroet	nane	ND	. 3.1	0.12	∙ µg/Kg-dry		01/16/06 17:55	
2-Dichloropn	opane	ND	3.1	Ó.10	µg/Kg-dry	1	01/16/06 17:55	
,3,5-Trimethy	lbenzene	ND	3.1	0.11	µg/Kg-dry		01/16/06 17:55	
,3-Dichlorobe	nzene	ND	3.1	0.12	µg/Kg-dry		01/16/06 17:55	
3-Dichloropro	opane	ND	3.1	0.10	µg/Kg-dry		01/16/06 17:55	
4-Dichlorobe	nzene	ND	3.1	0.16	`µg/Kg-dry		01/16/06 17:55	
2-Dichloropro	opane	ND	3.1	0.11	µg/Kg-dry		01/16/06 17:55	
Butanone		ND	12	0.17	µg/Kg-dry		01/16/06 17:55	
-Chlorotoluen	e	ND	.3.1	0.09	µg/Kg-dry		01/16/06 17:55	
-Hexanone		ND	6.2	0.27	µg/Kg-dry		01/16/06 17:55	
-Chlorotoluen	e.	ND	3.1	0.20	µg/Kg-dry		01/16/06 17:55	
-Methyl-2-per	tanone	ND	6.2	0.30	µg/Kg-dry		01/16/06 17:55	
cetone		3.5 J	12	0.49	µg/Kg-dry		01/16/06 17:55	
enzene		ND	. 3.1	0.11	µg/Kg-dry		01/16/06 17:55	
romobenzen		ND	3.1	0.19	µg/Kg-dry		01/16/06 17:55	
romochlorom		ND	3.1	0.20	µg/Kg-dry		01/16/06 17:55	
romodichloro	methane	ND	3.1	0.10	µg/Kg-dry		01/16/06 17:55	
romoform		ND	3.1	0.07	µg/Kg-dry		01/16/06 17:55	
romomethan	e	ND	6.2	0.37	µg/Kg-dry	1	01/16/06 17:55	
Qualifiers:	B Analyte detected in t	he associated Meth	od Blank	E Value ex	ceeds the instr	ument calib	ration range	

S Spike Recovery outside accepted recovery limits

Project Supervisor: Thomas A. Alexander

**Analytical Results** 

CLIENT: O'Brien & Gere Engineers, Inc. Project: Geneva Foundry V Order: 0601049 Aatrix: SOIL			Lab ID:         0601049-011A           Client Sample ID:         BH-25-D           Collection Date:         01/11/06 12:20           Date Received:         01/12/06 7:50				
evision: 01/20/06 9:58:21 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: FileID:	R4188 1-SAMP-J	3221.D		
nalyte	Result Qu	al PQL	MDL	Units DF	Date Analyze		
OLATILE ORGANIC COMPOUNDS	S BY GC/MS	SW	8260B		· .		
arbon disulfide	ND	3.1	0.07	µg/Kg-dry 1	01/16/06 17:55		
arbon tetrachloride	ND	3.1	0.14	µg/Kg-dry 1	01/16/06 17:55		
hlorobenzene	ND	3.1	0.11	µg/Kg-dry 1	01/16/06 17:55		
hloroethane	ND	6.2	0.36	µg/Kg-dry 1	01/16/06 17:55		
hioroform	ND	3.1	0.05	µg/Kg-dry 1	01/16/06 17:55		
hloromethane	ND	6.2	0.47	µg/Kg-dry 1	01/16/06 17:55		
s-1.2-Dichloroethene	ND	3.1	0.14	µg/Kg-dry 1	01/16/06 17:55		
s-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry 1	01/16/06 17:55		
ibromochloromethane	. ND	3.1	0.16	µg/Kg-dry 1	01/16/06 17:55		
ibromomethane	ND	3.1	0.14	µg/Kg-dry 1	01/16/06 17:55		
ichlorodifluoromethane	ND	6.2	0.10	µg/Kg-dry 1	01/16/06 17:55		
thylbenzene	ND	3.1	0.12	µg/Kg-dry 1	01/16/06 17:55		
exachlorobutadiene	ND	6.2	0.49	µg/Kg-dry 1	01/16/06 17:55		
opropylbenzene	ND	3.1	0.10	µg/Kg-dry 1	01/16/06 17:55		
lethyl tert-butyl ether	ND	3.1	0.09	µg/Kg-dry 1	01/16/06 17:55		
lethylene chloride	0.80 J	6.2	0.50	µg/Kg-dry 1	01/16/06 17:55		
Butylbenzene	ND	3.1	0.15	µg/Kg-dry 1	01/16/06 17:55		
Propylbenzene	ND	3.1	0.11	µg/Kg-dry 1	01/16/06 17:55		
aphthalene	ND	6.2	0.46	µg/Kg-dry 1	01/16/06 17:55		
Isopropyltoluene	ND	3.1	0.11	µg/Kg-dry 1	01/16/06 17:55		
sc-Butylbenzene	ND	3.1	0.16	µg/Kg-dry 1	01/16/06 17:55		
tyrene	ND	3.1	0.12	µg/Kg-dry 1	01/16/06 17:55		
ert-Butylbenzene	· ND	3.1	0.16	µg/Kg-dry 1	01/16/06 17:55		
etrachioroethene	ND	3.1	0.17	µg/Kg-dry 1	01/16/06 17:55		
oluene	ND	3.1	0.15	µg/Kg-dry 1	01/16/06 17:55		
ans-1,2-Dichloroethene	ND	3.1	0.12	µg/Kg-dry 1	01/16/06 17:55		
ans-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry 1	01/16/06 17:55		
richloroethene	ND ·	3.1	0.14	µg/Kg-dry 1	01/16/06 17:55		
richlorofluoromethane	ND	6.2	0.10	µg/Kg-dry 1	01/16/06 17:55		
inyl chloride	ND	6.2	0.10	µg/Kg-dry 1	01/16/06 17:55		
ylenes (total)	ND	6.2	0.22	µg/Kg-dry 1	01/16/06 17:55		
Surr: 1,2-Dichloroethane-d4	87.2	71-128	0.16	%REC 1	01/16/06 17:55		
Sur: 4-Bromofluorobenzene	71.3	59-125	0.11	%REC 1	01/16/06 17:55		
Sur: Dibromofluoromethane	103	40-156	0.22	%REC 1	01/16/06 17:55		
Sun: Toluene-d8	87.6	75-125	0.15	%REC 1	01/16/06 17:55		
Qualifiers: B Analyte detected in th H Holding times for pre				exceeds the instrument ca			
H Holding times for pre ND Not Detected at the P				Conf. column %D or RPI			

#### LSL 5000 Brittonfield Parkway, Suite 200

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID:         0601049-012A           Client Sample ID:         BH-26-S           Collection Date:         01/11/06 12:35           Date Received:         01/12/06 7:50			2:35
Inst. ID: ColumnID: Revision:	MS03 10 Rtx-VMS 01/20/06 9:58:21 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:	R	4188 -SAMP-J8	222.D
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyze
VOLATILE C	ORGANIC COMPOUNE	S BY GC/MS	sw	8260B			• •
1,1,1,2-Tetracl	hioroethane	ND	2.9	0.13	µg/Kg-di	ry 1	01/16/06 18:30
I,1,1-Trichloro	ethane	ND	2.9	0.11	µg/Kg-di	ry 1	01/16/06 18:30
,1,2,2-Tetrac	hloroethane	ND	2.9	0.18	µg/Kg-di	ry 1	01/16/06 18:30
1,1,2-Trichloro		ND	2.9	0.11	µg/Kg-di	-	01/16/06 18:30
1,1,2-Trichioro	ethane	ND	2.9	0.13	µg/Kg-di	ry 1	01/16/06 18:30
,1-Dichloroeti	hane	ND	2.9	0.11	µg/iKg-di		01/16/06 18:30
,1-Dichloroet	hene	ND	2.9	0.16	µg/Kg-di	-	01/16/06 18:30
1-Dichloropr	opene	ND	2.9	0.11	µg/Kg-di		01/16/06 18:30
,2,3-Trichioro		ND	5.7	0.57	µg/Kg-di	ry 1	01/16/06 18:30
,2,3-Trichioro		ND	2.9	0.19	µg/Kg-di		01/16/06 18:30
,2,4-Trichioro		ND	5.7	0.39	µg/Kg-di	•	01/16/06 18:30
,2,4-Trimethy		ND	2.9	0.13	µg/Kg-di	•	01/16/06 18:30
•	-chloropropane	ND	5.7	0.46	µg/Kg-di	-	01/16/06 18:30
,2-Dibromoet	• • /	ND	2.9	0.10	µg/Kg-di	-	01/16/06 18:30
2-Dichlorobe	enzene	ND	2.9	0.10	µg/Kg-d	-	01/16/06 18:30
,2-Dichloroet	hane	ND	2.9	0.11	µg/Kg-di		01/16/06 18:30
,2-Dichloropn	орале	ND	2.9	0.09	μg/Kg-d		01/16/06 18:30
1,3,5-Trimethy	-	ND	2.9	0.10	μ <b>g/Kg-d</b>	-	01/16/06 18:30
.3-Dichlorobe		ND	2.9	0.11	μg/Kg-d		01/16/06 18:30
1,3-Dichloropn	opane	ND	2.9	0.09	μg/Kg-d		01/16/06 18:30
, 1,4-Dichlorobe	•	ND	2.9	0,15	µg/Kg-di	-	01/16/06 18:30
2,2-Dichloropro		ND	2.9	0.10	µg/Kg-di	•	01/16/06 18:30
2-Butarione	· · ·	ND	11.	0.16	µg/Kg-di	-	01/16/06 18:30
2-Chiorotoluen	ne .	ND	2.9	0.08	µg/Kg-d	-	01/16/06 18:30
2-Hexanone		ND	5.7	0.25	µg/Kg-d	-	01/16/06 18:30
I-Chlorotoluen	ne	ND	2.9	0.18	µg/Kg-d	-	01/16/06 18:30
1-Methyl-2-per	ntanone	ND	5.7	0.27	µg/Kg-d	r <u>y</u> 1	01/16/06 18:30
Acetone		1.4 J	11	0.45	µg/Kg-d		01/16/06 18:30
Benzene		ND	2.9	0.10	µg/Kg-d	ry 1	01/16/08 18:30
Bromobenzen	e .	ND	2.9	0.17	μg <b>/Kg-d</b>	ry 1	01/16/08 18:30
Bromochlorom	iethane ,	ND	2.9	0.18	μg/Kg-d	ry 1	01/16/06 18:30
Bromodichioro	methane	ND	2.9	0.09	µg/Kg-d	ry 1	01/16/06 18:30
Bromoform	· · ·	ND	2.9	0.07	µg/Kg-d	ry 1	01/16/06 18:30
Bromomethan	e	ND	5.7	0.34	μg/Kg-d	ry 1	01/16/06 18:30
Qualifiers:	<ul> <li>B Analyte detected in the associated Method Blank</li> <li>H Holding times for preparation or analysis exceeded</li> </ul>			<ul><li>E Value exceeds the instrument calibration range</li><li>J Analyte detected below the PQL</li></ul>			

**Analytical Results** 

Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58 Analyte VOLATILE ORGANIC COM Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorobenzene Chloroethane Chloroothane Chloromethane cis-1,2-Dichloroethene cis-1,2-Dichloroethene cis-1,2-Dichloroethene cis-1,2-Dichloroethene cis-1,2-Dichloroethene cis-1,2-Dichloroethene cis-1,2-Dichloroethene cis-1,2-Dichloroethene cis-1,2-Dichloroethene cis-1,2-Dichloroethene cis-1,2-Dichloroethene cis-1,2-Dichloroethene cis-1,2-Dichloroethene cis-1,2-Dichloroethene cis-1,2-Dichloroethene Chlorodifluoromethane Dibromomethane Dibromomethane Dibromomethane Ethylbenzene Hexachlorobutadiene Isopropylbenzene Methyl tert-butyl ether Methyl tert-butyl ether Methylene chloride n-Butylbenzene Naphthalene p-Isopropyltoluerne sec-Butylbenzene Styrene Iert-Butylbenzene Tetrachloroethene Toluene	Result Q	-	PrepDat BatchNo ML FileID: MDL SW8260B 0.07 0.13 0.10 0.33 0.05 0.44 0.13 0.10 0.15 0.13 0.10 0.15 0.13 0.09 0.11 0.45 0.09		8222.D Date Analyzer 01/16/06 18:30 01/16/06 18:30
VOLATILE ORGANIC CON Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorobenzene Chlorotenane Chlorotethane Chloromethane Cis-1,2-Dichloroethene cis-1,2-Dichloropropene Dibromochlorornethane Dibromochlorornethane Dibromomethare Dibromomethare Dibromomethare Dibromomethane Signa Constant Hexachlorobutadiene sopropylbenzene Hexachlorobutadiene sopropylbenzene Methyl tert-butyl ether Methyl tert-butyl ether Methylene chloride n-Butylbenzene Naphthalene Disopropyltoluerne sec-Butylbenzene Styrene tert-Butylbenzene Fetrachloroethene	APOUNDS BY GC/MS 0.73 J ND ND ND ND ND ND ND ND ND ND ND ND ND	2.9 2.9 2.9 5.7 2.9 5.7 2.9 2.9 2.9 2.9 5.7 2.9 5.7 2.9 5.7 2.9	SW8260B 0.07 0.13 0.10 0.33 0.05 0.44 0.13 0.10 0.15 0.13 0.09 0.11 0.45	μg/Kg-dry 1 μg/Kg-dry 1	01/16/06 18:30 01/16/06 18:30
Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chloroothane Chloroothane Cis-1,2-Dichloroethene cis-1,2-Dichloroethene Cis-1,2-Dichloroethene Dibromochlorornethane Dibromochlorornethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Hexachlorobutadiene sopropylbenzene Nethyl tert-butyl ether Methyl tert-butyl ether Methylene chloride n-Butylbenzene Naphthalene p-Isopropyltoluerne sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene	0.73 J ND ND ND ND ND ND ND ND ND ND ND ND ND	2.9 2.9 5.7 2.9 5.7 2.9 2.9 2.9 2.9 5.7 2.9 5.7 2.9 5.7 2.9	0.07 0.13 0.10 0.33 0.05 0.44 0.13 0.10 0.15 0.13 0.09 0.11 0.45	μg/Kg-dry 1 μg/Kg-dry 1	01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30
Carbon tetrachloride Chlorobenzene Chlorobenzene Chlorobenzene Chloroothane Chloroothane Chloromethane Cis-1,2-Dichloroethene cis-1,3-Dichloropropene Dibromochloromethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Dibromomethane Hexachlorobutadiene sopropylbenzene Naphthalene D-Isopropyltoluene aec-Butylbenzene Styrene tetr-Butylbenzene Tetrachloroethene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	2.9 2.9 5.7 2.9 5.7 2.9 2.9 2.9 2.9 5.7 2.9 5.7 2.9 5.7 2.9	0.13 0.10 0.33 0.05 0.44 0.13 0.10 0.15 0.13 0.09 0.11 0.45	μg/Kg-dry 1 μg/Kg-dry 1	01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30
Chlorobenzene Chloroethane Chloroethane Chloromthane cis-1,2-Dichloroethene cis-1,3-Dichloropropene Dibromochloromethane Dibromomethane Hexachlorobutadiene sopropylbenzene Naphthalene D-Isopropyltoluene sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene	ND ND ND ND ND ND ND ND ND ND ND ND ND	2.9 5.7 2.9 5.7 2.9 2.9 2.9 2.9 5.7 2.9 5.7 2.9 5.7 2.9	0.10 0.33 0.05 0.44 0.13 0.10 0.15 0.13 0.09 0.11 0.45	μg/Kg-dry 1 μg/Kg-dry 1	01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30
Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethene cis-1,3-Dichloropropene Dibromochloromethane Dibromomethane Dichlorodifluoromethane cichlorodifluoromethane cichlorodifluoromethane cichlorodutadiene sopropylbenzene dethyl tert-butyl ether Methyl tert-butyl ether Methylene chloride a-Butylbenzene l-Propylbenzene Naphthalene o-Isopropyltoluene sec-Butylbenzene Styrene ert-Butylbenzene fetrachloroethene	ND ND ND ND ND ND ND ND ND ND ND	5.7 2.9 5.7 2.9 2.9 2.9 5.7 2.9 5.7 2.9 5.7 2.9	0.33 0.05 0.44 0.13 0.10 0.15 0.13 0.09 0.11 0.45	μg/Kg-dry 1 μg/Kg-dry 1	01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30
Chloroform Chloromethane cis-1,2-Dichloroethene cis-1,3-Dichloropropene Dibromochloromethane Dibromomethane Dibromomethane Chlorodifluoromethane Ethylbenzene Hexachlorobutadiene sopropylbenzene Aethyl tert-butyl ether Methylene chloride I-Bropylbenzene I-Propylbenzene I-Sopropyltoluene ec-Butylbenzene Styrene ett-Butylbenzene Tetrachloroethene	ND ND ND ND ND ND ND ND ND ND	5.7 2.9 5.7 2.9 2.9 2.9 5.7 2.9 5.7 2.9 5.7 2.9	0.05 0.44 0.13 0.10 0.15 0.13 0.09 0.11 0.45	μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1	01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30
Chloroform Chloromethane is-1,2-Dichloroethene is-1,3-Dichloropropene Dibromochloromethane Dibromomethane Dibromomethane Chlorodifluoromethane Ethylbenzene lexachlorobutadiene sopropylbenzene Aethyl tert-butyl ether Methylene chloride I-Butylbenzene I-Propylbenzene I-propylbenzene Ethylbenzene Styrene etr-Butylbenzene etrachloroethene	ND ND ND ND ND ND ND ND ND	5.7 2.9 2.9 2.9 5.7 2.9 5.7 2.9 5.7 2.9	0.44 0.13 0.10 0.15 0.13 0.09 0.11 0.45	μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1	01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30
is-1,2-Dichloroethene is-1,3-Dichloropropene Dibromochloromethane Dibromomethane Dibromomethane Ethylbenzene lexachlorobutadiene sopropylbenzene Aethyl tert-butyl ether Methylene chloride I-Butylbenzene I-Propylbenzene I-propylbenzene Styrene et-Butylbenzene Ethylbenzene Fertachloroethene	ND ND ND ND ND ND ND ND ND	5.7 2.9 2.9 2.9 5.7 2.9 5.7 2.9 5.7 2.9	0.44 0.13 0.10 0.15 0.13 0.09 0.11 0.45	μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1	01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30
is-1,3-Dichloropropene Dibromochloromethane Dibromomethane Dibromomethane Dibromomethane Dichlorodifluoromethane Ethylbenzene lexachlorobutadiene sopropylbenzene Aethyl tert-butyl ether Methylene chloride -Butylbenzene I-Propylbenzene I-propylbenzene ec-Butylbenzene Styrene ert-Butylbenzene etrachloroethene	ND ND ND ND ND ND ND ND	2.9 2.9 2.9 5.7 2.9 5.7 2.9 5.7 2.9	0.13 0.10 0.15 0.13 0.09 0.11 0.45	μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1	01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30
is-1,3-Dichloropropene Dibromochloromethane Dibromomethane Dibromomethane Dibromomethane Dichlorodifluoromethane Ethylbenzene lexachlorobutadiene sopropylbenzene Aethyl tert-butyl ether Aethylene chloride I-Butylbenzene I-Propylbenzene I-Propylbenzene I-sopropyltoluene I-sopropyltoluene I-sopropyltoluene I-sopropyltoluene I-sopropyltoluene I-sopropyltoluene I-sopropyltoluene I-sopropyltoluene I-sopropyltoluene I-sopropyltoluene I-sopropyltoluene I-sopropyltoluene I-sopropyltoluene I-sopropyltoluene	ND ND ND ND ND ND ND	2.9 2.9 5.7 2.9 5.7 2.9 5.7 2.9	0.10 0.15 0.13 0.09 0.11 0.45	μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1	01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30
Dibromochloromethane Dibromomethane Dichlorodifluoromethane Ethylbenzene Hexachlorobutadiene sopropylbenzene Methyl tert-butyl ether Methylene chloride H-Butylbenzene Haphthalene H-Sopropyltoluere Hec-Butylbenzene Styrene ett-Butylbenzene Tetrachloroethene	ND ND ND ND ND ND	2.9 2.9 5.7 2.9 5.7 2.9	0.15 0.13 0.09 0.11 0.45	µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1	01/16/06 18:30 01/16/06 18:30 01/16/06 18:30 01/16/06 18:30
Dichlorodifluoromethane Ethylbenzene Hexachlorobutadiene sopropylbenzene Aethyl tert-butyl ether Methylene chloride H-Bropylbenzene Haphthalene H-Sopropyltoluene Hec-Butylbenzene Styrene ett-Butylbenzene Tetrachloroethene	ND ND ND ND ND	2.9 5.7 2.9 5.7 2.9	0.13 0.09 0.11 0.45	µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1	01/16/06 18:30 01/16/06 18:30 01/16/06 18:30
Ethylbenzene lexachlorobutadiene sopropylbenzene Aethyl tert-butyl ether Aethylene chloride I-Butylbenzene Iaphthalene I-Isopropyltoluene ec-Butylbenzene Styrene ert-Butylbenzene Tetrachloroethene	ND ND ND ND ND	5.7 2.9 5.7 2.9	0.09 0.11 0.45	µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1	01/16/06 18:30 01/16/06 18:30
lexachlorobutadiene sopropylbenzene Aethyl tert-butyl ether Aethylene chloride -Butylbenzene Iaphthalene -Isopropyitoluene ec-Butylbenzene Styrene ert-Butylbenzene etrachloroethene	ND ND ND ND	2.9 5.7 2.9	0.11 0.45	µg/Kg-dry 1 µg/Kg-dry 1	01/16/06 18:30
lexachlorobutadiene sopropylbenzene Aethyl tert-butyl ether Aethylene chloride -Butylbenzene Iaphthalene -Isopropyitoluene ec-Butylbenzene Styrene ert-Butylbenzene etrachloroethene	ND ND ND	5.7 2.9	0.45	µg/Kg-dry 1	
Acthyl tert-butyl ether Acthylene chloride I-Butylbenzene I-Propylbenzene Japhthalene I-Isopropyltoluene Iec-Butylbenzene Styrene ett-Butylbenzene Tetrachloroethene	ND ND	2.9			04/46/06 10:30
Acthyl tert-butyl ether Acthylene chloride I-Butylbenzene I-Propylbenzene Japhthalene I-Isopropyltoluene Iec-Butylbenzene Styrene ett-Butylbenzene Tetrachloroethene	ND			MARINA MIT	01/10/00 10:30
Methylene chloride I-Butylbenzene Iaphthalene I-sopropyltoluene Iec-Butylbenzene Styrene ert-Butylbenzene Tetrachloroethene		4.8	0.08	µg/Kg-dry 1	01/16/06 18:30
-Propylbenzene I-Propylbenzene Naphthalene I-Isopropyltoluene Iec-Butylbenzene Styrene ert-Butylbenzene Tetrachloroethene	L ZO.U	5.7	0.46	µg/Kg-dry 1	01/16/06 18:30
I-Propylbenzene Japhthalene I-Isopropyltoluene Iec-Butylbenzene Styrene ert-Butylbenzene Tetrachloroethene	ND	2.9	0.14	µg/Kg-dry 1	01/16/06 18:30
Naphthalene -Isopropyitoluene lec-Butylbenzene Styrene ert-Butylbenzene Tetrachioroethene	ND	2.9	0.10	µg/Kg-dry 1	01/16/06 18:30
-Isopropyitoluene ec-Butylbenzene Styrene ert-Butylbenzene Fetrachioroethene	ND	5.7	0.42	µg/Kg-dry 1	01/16/06 18:30
ec-Butylbenzene Styrene ert-Butylbenzene Fetrachioroethene	ND	2.9	0.10	µg/Kg-dry 1	01/16/06 18:30
Styrene ert-Butylbenzene Fetrachloroethene	ND	2.9	0.15	µg/Kg-dry 1	01/16/06 18:30
ert-Butylbenzene Fetrachioroethene	ND	2.9	0.11	µg/Kg-dry 1	01/16/06 18:30
etrachioroethene	. ND	2.9	0.15	µg/Kg-dry 1	01/16/06 18:30
,	ND	2.9	0.16	µg/Kg-dry 1	01/16/06 18:30
nillene	0.61 J	2.9	0.14	µg/Kg-dry 1	01/16/06 18:30
rans-1,2-Dichloroethene	ND	2.9	0.11	µg/Kg-dry 1	01/16/06 18:30
rans-1,3-Dichloropropene	ND	2.9	0.10	µg/Kg-dry 1	01/16/06 18:30
Tichloroethene	ND	2.9	0.13	μg/Kg-dry 1	01/16/06 18:30
richlorofluoromethane	ND	2. <del>3</del> 5.7	0.09	μg/Kg-dry 1	01/16/06 18:30
finyl chloride	ND	5.7	0.09	μg/Kg-dry 1	01/16/06 18:30
vienes (total)	ND	5.7	0.21	μg/Kg-dry 1	01/16/06 18:30
Sur: 1,2-Dichloroethane-d4	<b>67</b> .1	71-128	0.15	%REC 1	01/16/06 18:30
Sur: 4-Bromofluorobenzene		59-125	0.10	%REC 1	01/16/06 18:30
Sur: Dibromofluoromethane		40-156	0.10	%REC 1	01/16/06 18:30
Sun: Toluene-d8	94.2	75-125	0.14	%REC 1	01/16/06 18:30
	tected in the associated Met	T HE MAN T		exceeds the instrument ca	libration range

# LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

CLIENT: O'Brien & Gere Engine Project: Geneva Foundry V Order: 0601049 Matrix: SOIL	eers, Inc.		Lab ID: Client Sample I Collection Date Date Received:		<b>27-S</b> /06 13:40	
nst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:21 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:	R4188 1-SAMP-J82	223.D	
Inalyte	Result Qu	al PQL	MDL U	nits DF	Date Analyze	
OLATILE ORGANIC COMPOUND	S BY GC/MS	SW	8260B	•		
,1,1,2-Tetrachloroethane	ND	3.3	0.15 µg	/Kg-dry 1	01/16/06 19:05	
,1,1-Trichloroethane	ND	3.3	0.13 µg	/Kg-dry 1	01/16/06 19:05	
,1,2,2-Tetrachioroethane	ND	3.3	0.21 µg	/Kg-dry 1	01/16/06 19:05	
,1,2-Trichloro-1,2,2- ifluoroethan <del>o</del>	ND	3.3		/Kg-dry 1	01/16/06 19:05	
,1,2-Trichloroethane	ND ···	3.3		/Kg-dry 1	01/16/06 19:05	
,1-Dichloroethane	ND	3.3		/Kg-dry 1	01/16/06 19:05	
,1-Dichloroethene	ND	3.3		/Kg-dry 1	01/16/06 19:05	
,1-Dichloropropene	ND	3.3		/Kg-dry 1	01/16/06 19:05	
,2,3-Trichlorobenzene	ND	6.6		/Kg-dry 1	01/16/06 19:05	
,2,3-Trichloropropane	ND	3.3	•••	/Kg-dry 1	01/16/06 19:05	
,2,4-Trichlorobenzene	ND	6.6	=	/Kg-dry 1	01/16/06 19:05	
,2,4-Trimethylbenzene	ND	3.3		/Kg-dry 1	01/16/06 19:05	
,2-Dibromo-3-chloropropane	ND	6.6		/Kg-dry 1	01/16/06 19:05	
,2-Dibromoethane	. ND	3.3		/Kg-dry 1	01/16/06 19:05	
,2-Dichlorobenzene	ND	3.3		/Kg-dry 1	01/16/06 19:05	
,2-Dichloroethane	ND	3.3		/Kg-dry 1	01/16/06 19:05	
,2-Dichloropropane	ND	3.3		/Kg-dry 1	01/16/06 19:05	
,3,5-Trimethylbenzene	ND	3.3		I/Kg-dry 1	01/16/06 19:05	
,3-Dichlorobenzene	ND	3.3		/Kg-dry 1	01/16/06 19:05	
,3-Dichloropropane	ND	3.3		r/Kg-dry 1	01/16/06 19:05	
,4-Dichlorobenzene	ND	3.3		/Kg-dry 1	01/16/06 19:05	
,2-Dichloropropane	ND	3.3		/Kg-dry 1	01/16/06 19:05	
Butanone	ND	13		r/Kg-dry 1	01/16/06 19:05	
-Chlorotoluene	ND	3.3		J/Kg-dry 1	01/16/06 19:05	
Hexanone	ND	6.6		/Kg-dry 1	01/16/06 19:05	
-Chlorotoluene	ND	3.3		/Kg-dry 1	01/16/06 19:05	
-Methyl-2-pentanone	ND	6.6		/Kg-dry 1	01/16/06 19:05	
cetone	2.3 J	13		/Kg-dry 1	01/16/06 19:05	
lenzene	ND	3.3		g/Kg-dry 1	01/16/06 19:05	
romobenzene	ND	3.3	,	g/Kg-dry 1	01/16/06 19:05	
Iromochioromethane	ND	3.3		g/Kg-dry 1	01/16/06 19:05	
Iromodichloromethane	ND	3.3		g/Kg-dry 1	01/16/06 19:05	
Bromoform	ND	3.3		y/Kg-dry 1	01/16/06 19:05	
Bromomethane	ND	6.6	0.40 μ	g/Kg-dry 1	01/16/06 19:05	
Qualifiers: B Analyte detected in t	ne associated Meth	od Blank	E Value exceeds	the instrument cali	Dration range	

roject: V Order: Iatrix:	Geneva Foundry 0601049 SOIL			Lab ID:         0601049-013A           Client Sample ID:         BH-27-S           Collection Date:         01/11/06 13:40           Date Received:         01/12/06 7:50			
nst. ID: olumnID: evision:	MS03 10 Rtx-VMS 01/20/06 9:58:21 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: FileID:	R4 1-S	i 88 AMP-J8	223.D
nalyte		Result Qu	al PQL	MDL	Units	DF	Date Analyze
		S BY GC/MS	SW	8260B			
arbon disulfic	ie	ND	3.3	<b>0.08</b>	µg/Kg-dry	1	01/16/06 19:05
arbon tetrach	loride	ND	3.3	0.15	µg/Kg-dry		01/16/06 19:05
hlorobenzen		ND	3.3	0.12	µg/Kg-dry		01/16/06 19:05
hloroethane	· .	ND	6.6	0.38	µg/Kg-dry		01/16/06 19:05
loroform		ND	3.3	0.05	µg/Kg-dry		01/16/06 19:05
hloromethan		ND	6.6	0.50	µg/Kg-dry		01/16/06 19:05
s-1,2-Dichlor	oethene	ND	3.3	0.15	µg/Kg-dry		01/16/06 19:05
s-1,3-Dichlor		ND	3.3	0.12	µg/Kg-dry		01/16/06 19:05
ibromochiore		ND	3.3	0.17	µg/Kg-dry		01/16/06 19:05
ibromometha		ND	3.3	0.15	µg/Kg-dry		01/16/06 19:05
ichlorodifluor	omethane	NÐ	6.6	0.11	µg/Kg-dry		01/16/06 19:05
thylbenzene	· · · · · ·	ND	3.3	0.13	µg/Kg-dry		01/16/06 19:05
exachlorobut		ND	6.6	0.52	µg/Kg-dry		01/16/06 19:05
opropylbenzi	ene	ND	3.3	0.11	µg/Kg-dry		01/16/06 19:05
ethyl tert-but	•	ND	3.3	0.09	µg/Kg-dry		01/16/06 19:05
ethylene chio		ND	6.6	0.53	µg/Kg-dry		01/16/06 19:05
Butylbenzen		ND	3.3	0.16	µg/Kg-dry		01/16/06 19:05
Propyibenze	ne	ND	3.3	0.12	µg/Kg-dry		01/16/06 19:05
aphthalene		ND	6.6	0.49	µg/Kg-dry		01/16/06 19:05
Isopropyitolu		ND	3.3	0.12	µg/Kg-dry		01/16/06 19:05
ec-Butylbenz	ene	ND	3.3	0.17	µg/Kg-dry		01/16/06 19:05
lyrene		ND	3.3	0.13	µg/Kg-dry		01/16/06 19:05
rt-Butylbenzo		ND	3.3	0.17	µg/Kg-dry		01/16/06 19:05
etrachloroeth	ene	ND	3.3	0.19	µg/Kg-dry		01/16/06 19:05
oluene		· ND	3.3	0.16	µg/Kg-dry		01/16/06 19:05
ans-1,2-Dich		ND	3.3	0.13	µg/Kg-dry		01/16/06 19:05
ans-1,3-Dich		ND	3.3	0.12	µg/Kg-dry		01/16/06 19:05
tchioroethen		ND	3.3	0.15	µg/Kg-dry		01/16/06 19:05
ichlorofluoro	methane	ND	6.6	0.11	µg/Kg-dry		01/16/06 19:05
inyl chloride		ND	6.6	0.11	µg/Kg-dry		01/16/06 19:05
/lenes (total)		NÐ	6.6	0.24	µg/Kg-dry	_	01/16/06 19:05
•	chloroethane-d4	87.7	71-128	0.17	%REC	1	01/16/06 19:05
	noflucrobenzene	67.2	59-125	0.12	%REC	1	01/16/06 19:05
	nofluoromethane	101	40-156	0.24	%REC	1	01/16/06 19:05
Surr. Toluer	ne-d8	89.9	75-125	0.16	%REC	1	01/16/06 19:05
Qualifiers:	B Analyte detected in t	he associated Metho	od Blank	E Value e	ceeds the instr	ument cali	ibration range

S Spike Recovery outside accepted recovery limits

**Analytical Results** 

CLIENT: Project: V Order: Aatrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	eers, Inc.	•	Collection Date Recei	at Sample ID:         BH-27-D           ection Date:         01/11/06 13:55           Received:         01/12/06 7:50			
nst. ID: ColumnID: Revision:	MS03 10 Rtx-VMS 01/20/06 9:58:21 A	Sample Size %Moisture TestCode:	_	PrepDate: BatchNo: FileID:	R4188 1-SAMP-J	8224.D		
nalyte		Result Qu	ual PQL	MDL	Units DF	Date Analyze		
	RGANIC COMPOUND	S BY GC/MS	SN	8260B	· ·			
1,1,2-Tetracl	hloroethane	ND	3.2	0.14	µg/Kg-dry 1	01/16/06 19:40		
,1,1-Trichioro	ethane	ND ·	3.2	0.13	µg/Kg-dry 1	01/16/06 19:40		
1,2,2-Tetracl	hioroethane	ND	3.2	0.20	µg/Kg-dry 1	01/16/06 19:40		
,1,2-Trichloro ifluoroethane		ND	3.2	0.13	µg/Kg-dry 1	01/16/06 19:40		
1,2-Trichloro		ND	3.2	0.14	µg/Kg-dry 1	01/16/06 19:40		
1-Dichloroeti		ND	3.2	0.13	µg/Kg-dry 1	01/16/06 19:40		
1-Dichloroetl		ND	3.2	0.18	µg/Kg-dry 1	01/16/06 19:40		
1-Dichloropri	•	ND	3.2	0.13	µg/Kg-dry 1	01/16/06 19:40		
2,3-Trichloro		ND	6.3	0.63	µg/Kg-dry 1	01/16/06 19:40		
2, <b>3-Trichloro</b>	• •	ND	3.2	. 0.21	µg/Kg-dry 1	01/16/06 19:40		
2,4-Trichloro	•	ND	6.3	0.43	µg/Kg-dry 1	01/16/06 19:40		
2,4-Trimethy		ND	3.2	0.14	µg/Kg-dry 1	01/16/06 19:40		
	-chloropropane	ND	6.3	0.50	µg/Kg-dry 1	01/16/06 19:40		
2-Dibromoet		ND	3.2	0.11	µg/Kg-dry 1	01/16/06 19:40		
2-Dichlorobe		ND	3.2	0.11	µg/Kg-dry 1	01/16/06 19:40		
2-Dichloroet		ND	3.2	0.13	µg/Kg-dry 1	01/16/06 19:40		
2-Dichloropro	•	ND	3.2	0.10	µg/Kg-dry 1	01/16/06 19:40		
3,5-Trimethy		ND	3.2	0.11	µg/Kg-dry 1	01/16/06 19:40		
3-Dichlorobe		ND	3.2	0.13	µg/Kg-dry 1	01/16/06 19:40		
B-Dichloropro	•	ND	3.2	0.10	µg/Kg-dry 1	01/16/06 19:40		
I-Dichlorobe	nzene	ND	3.2	0,16	µg/Kg-dry 1	01/16/06 19:40		
2-Dichloropro	opane	ND	3.2	0.11	µg/Kg-dry 1	01/16/06 19:40		
Butanone		ND	13	0.18	µg/Kg <b>-dry</b> 1	01/16/06 19:40		
Chlorotoluen	e	ND	3.2	0.09	µg/Kg-dry 1	01/16/06 19:40		
Hexanone		ND	6.3	0.28	µg/Kg-dry 1	01/16/06 19:40		
Chlorotoluen	e	ND	3.2	0.20	µg/Kg-dry 1	01/16/06 19:40		
Methyi-2-per	ntanone	ND	6.3	0.30	µg/Kg-dry 1	01/16/06 19:40		
etone		2.1 J	13	0.49	µg/Kg-dry 1	01/16/06 19:40		
nzene		ND	3.2	0.11	µg/Kg-dry 1	01/16/06 19:40		
omobenzene	•	· ND	3.2	0.19	µg/Kg-dry 1	01/16/06 19:40		
omochlorom		ND	3.2	0.20	µg/Kg-dry 1	01/16/06 19:40		
omodichloro	methane	ND	3.2	0.10	µg/Kg-dry 1	01/16/06 19:40		
motorno		ND	3.2	0.08	µg/Kg-dry 1	01/16/06 19:40		
omomethan	e	ND	6.3	0.38	µg/Kg-dry 1	01/16/06 19:40		
ualifiers:	<ul> <li>B Analyte detected in th</li> <li>H Holding times for pre</li> </ul>				acceds the instrument car detected below the PQL	-		

**Analytical Results** 

CLIENT:	O'Brien & Gere Engin	eers, Inc.		Lab I	ID: 0601049-0	14A			
Project:	Geneva Foundry			Clien	t Sample ID: BH-27-D				
W Order:	0601049			Colle	ction Date: 01/11/06 13	:55			
Matrix:	SOIL			Date	Received: 01/12/06 7:	50			
Inst. ID:	MS03 10	Sample Size	: 4.98 g	Prep	Date:				
ColumnID:		%Moisture: 20.7			BatchNo: R4188				
Revision:	01/20/06 9:58:21 A	TestCode:	8260S TAGML	FileI	D: 1-SAMP-J8	224.D			
Analyte		Result Qu	al PQL	MDL	, Units DF	Date Analyze			
	RGANIC COMPOUNE	S BY GC/MS	SW	8260B		,			
Carbon disulfic	le	ND	3.2	0.08	µg/Kg-dry 1	01/16/06 19:40			
arbon tetraci	lloride	ND	3.2	0.14	µg/Kg-dry 1	01/16/06 19:40			
hiorobenzen	Ð	ND	3.2	0.11	µg/Kg-dry 1	01/16/06 19:40			
Chloroethane	· .	ND	6.3	0.37	µg/Kg-dry 1	01/16/06 19:40			
Chloroform		ND	3.2	0.05	µg/Kg-dry 1	01/16/06 19:40			
Chloromethan	e	ND	6.3	0.48	µg/Kg-dry 1	01/16/06 19:40			
is-1,2-Dichlor	oethene	ND	3.2	0.14	μg/Kg-dry 1	01/16/06 19:40			
is-1,3-Dichlor	opropene	ND	3.2	0.11	µg/Kg-dry 1	01/16/06 19:40			
Dibromochioro	methane	ND	3.2	0.16	μ <b>g/Kg-dry</b> 1	01/16/06 19:40			
Dibromometha	ne	ND	3.2	0.14	μg/Kg-dry 1	01/16/06 19:40			
)ichlorodifluor	omethane	' ND	6.3	0.10	µg/Kg-dry 1	01/16/06 19:40			
thylbenzene		ND	3.2	0.13	µg/Kg-dry 1	01/16/06 19:40			
lexachlorobut	adiene	ND	6.3	0.49	µg/Kg-dry 1	01/16/06 19:40			
sopropylbenz	ene	ND	3.2	0.10	µg/Kg-dry 1	01/16/06 19:40			
lethyl tert-but	yl ether	ND	3.2	0.09	µg/Kg-dry 1	01/16/08 19:40			
lethylene chi	oride	0.79 J	6.3	0.50	µg/Kg-dry 1	01/16/06 19:40			
-Butylbenzen	8	ND	3.2	0.15	µg/Kg-dry 1	01/16/06 19:40			
-Propylbenze	ne	ND	3.2	0.11	μg/Kg-dry 1	01/16/06 19:40			
laphthalene		ND	6.3	0.47	µg/Kg-dry 1	01/16/06 19:40			
-Isopropyltolu	ene	ND	3.2	0.11	µg/Kg-dry 1	01/16/06 19:40			
ec-Butylbenz	ene	ND	3.2	0.16	µg/Kg-dry 1	01/16/06 19:40			
Styrene		ND	3.2	0.13	µg/Kg-dry 1	01/16/06 19:40			
ert-Butylbenz	ene	ND	3.2	0.16	µg/Kg-dry 1	01/16/06 19:40			
etrachloroeth	ene	ND	3.2	0.18	µg/Kg-dry 1	01/16/06 19:40			
oluene		ND	3.2	0.15	µg/Kg-dry 1	01/16/06 19:40			
ans-1,2-Dich	loroethene	ND	3.2	0.13	µg/Kg-dry 1	01/16/06 19:40			
ans-1,3-Dich	loropropene	ND	3.2	0.11	µg/Kg-dry 1	01/16/06 19:40			
richloroethen	e	ND	3.2	0.14	µg/Kg-dry 1	01/16/08 19:40			
richlorofluoro	methane	ND	6.3	0.10	µg/Kg-dry 1	01/16/06 19:40			
inyl chloride	,	ND	6.3	0.10	µg/Kg-dry 1	01/16/06 19:40			
ylenes (total)	I	ND	6.3	0.23	µg/Kg-dry 1	01/16/06 19:40			
	chloroethane-d4	85.6	71-128	0.16	%REC 1	01/16/06 19:40			
•	nofluorobenzene	75.4	59-125	0.11	%REC 1	01/16/06 19:40			
	nofluoromethane	96.6	40-156	0.23	%REC 1	01/16/06 19:40			
Surr: Toluer		93.3	75-125	0.15	%REC 1	01/16/06 19:40			
Qualifiers:	B Analyte detected in t	he associated Meth	od Blank	E	Value exceeds the instrument calil	bration range			
Qualific(3:	H Holding times for pro				Analyte detected below the PQL				
	ND Not Detected at the I	• •			Prim./Conf. column %D or RPD e	xceeds limit			
	S Spike Recovery outs								

Print Date: 01/20/06 10:10

**Analytical Results** 

CLIENT:       O'Brien & Gere Engineers, Inc.         Project:       Geneva Foundry         W Order:       0601049         Matrix:       SOIL         Inst. ID:       MS03 10       Sample Size: 5.01 g         ColumnID:       Rtx-VMS       %Moisture: 12.3					Lab ID:         0601049-015A           Client Sample ID:         BH-28-S           Collection Date:         01/11/06 15:10           Date Received:         01/12/06 7:50           PrepDate:         BatchNo:           R4228				
Revision: 01/20/06 10:08:39 A	TestCode:	8260S TA	GML	File	ID: 1-SAMP-J8	233.D			
nalyte	Result Q	al PQL		MDI	L Units DF	Date Analyze			
OLATILE ORGANIC COMPOUND			SW	8260E	•				
1,1,2-Tetrachloroethane	ND	2.9		0.13	µg/Kg-dry 1	01/17/06 12:28			
1,1-Trichloroethane	ND	2.9		0.11	µg/Kg-dry 1	01/17/06 12:28			
,1,2,2-Tetrachloroethane	ND	2.9		0.18	µg/Kg-dry 1	01/17/06 12:28			
,1,2-Trichloro-1,2,2- ifluoroethane	ND	2.9		0.11	µg/Kg-dry 1	01/17/06 12:28			
,1,2-Trichloroethane	ND	2.9	•	0.13	µg/Kg-dry 1	01/17/06 12:28			
1-Dichloroethane	ND	2.9		0.11	µg/Kg-dry 1	01/17/06 12:28			
1-Dichloroethene	ND	2.9	•	0.16	µg/Kg-dry 1	01/17/06 12:28			
1-Dichloropropene	ND	2.9		0.11	µg/Kg-dry 1	01/17/06 12:28			
2,3-Trichlorobenzene	ND	5.7		0.57	µg/Kg-dry 1	01/17/06 12:28			
2,3-Trichloropropane	ND	2.9		0.19	µg/Kg-dry 1	01/17/06 12:28			
2,4-Trichlorobenzene	ND	5.7		0.39	µg/Kg-dry 1	01/17/06 12:28			
2,4-Trimethyibenzene	ND	2.9		0.13	µg/Kg-dry 1	01/17/06 12:28			
2-Dibromo-3-chloropropane	ND	5.7	e .	0.46	µg/Kg-dry 1	01/17/06 12:28			
2-Dibromoethane	ND	2.9		0.10	µg/Kg-dry 1	01/17/06 12:28			
2-Dichlorobenzene	ND.	2.9		0,10	µg/Kg-dry 1	01/17/06 12:28			
2-Dichloroethane	ND	2.9		0.11	µg/Kg-dry 1	01/17/06 12:28			
2-Dichloropropane	ND .	2.9		0.09	µg/Kg-dry 1	01/17/06 12:28			
3,5-Trimethylbenzene	ND	2.9		0.10	µg/Kg-dry 1	01/17/06 12:28			
3-Dichlorobenzene	ND	2.9		0.11	µg/Kg-dry 1	01/17/06 12:28			
3-Dichloropropane	ND	2.9		0.09	µg/Kg-dry 1	01/17/06 12:28			
4-Dichlorobenzene	ND	2.9		0.15	µg/Kg-dry 1	01/17/06 12:28			
2-Dichloropropane	ND	2.9		0.10	µg/Kg-dry 1	01/17/06 12:28			
Butanone	ND	11		0.16	µg/Kg-dry 1	01/17/06 12:28			
Chlorotoluene	ND	2.9		<b>0.0</b> 8	µg/Kg-dry 1	01/17/06 12:28			
Hexanone	ND	5.7		0.25	µg/Kg-dry 1	01/17/06 12:28			
Chiorotoluene	ND	2.9		0.18	µg/Kg-dry 1	01/17/06 12:28			
Methyl-2-pentanone	ND	5.7		0.27	µg/Kg-dry 1	01/17/06 12:28			
cetone	3.0 J	11		0.44	µg/Kg-dry 1	01/17/06 12:28			
enzene	ND	2.9		0.10	µg/Kg-dry 1	01/17/06 12:28			
omobenzene	ND	2.9		0.17	µg/Kg-dry 1	01/17/06 12:28			
omochloromethane	ND	2.9		0.18	µg/Kg-dry 1	01/17/06 12:28			
omodichloromethane	ND	2.9		0.09	µg/Kg-dry 1	01/17/06 12:28			
omoform	ND	2.9		0.07	µg/Kg-dry 1	01/17/06 12:28			
romomethane	ND	5.7		0.34	µg/Kg-dry 1	01/17/06 12:28			
B Analyte detected in th	e associated Meth	od Blank		E	Value exceeds the instrument calil	oration range			
Qualifiers: B Analyte detected in the H Holding times for prep				•	Analyte detected below the PQL	<b></b>			
ND Not Detected at the Pr	•				Prim./Conf. column %D or RPD c				

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander

# LSL S000 Brittonfield Parkway, Suite 200

Project: Ge	Brien & Gere Engine neva Foundry )1049 IL	eers, Inc.	•	Lab ID:         0601049-015A           Client Sample ID:         BH-28-S           Collection Date:         01/11/06 15:10           Date Received:         01/12/06 7:50				
ColumnID: Rts	603 10 VMS 20/06 10:08:39 A	Sample Size: %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:	R42	228 AMP-J82	33.D	
Analyte	······································	Result Qua	al PQL	MDL	Units	DF	Date Analyze	
		S BY GC/MS	SW	8260B		,	•	
arbon disulfide		ND	2.9	0.07	µg/Kg-dry		01/17/06 12:28	
Carbon tetrachloric	le j	ND	2.9	0.13	µg/Kg-dry		01/17/06 12:28	
hlorobenzene	-	ND	2.9	0.10	µg/Kg-dry		01/17/06 12:28	
Chloroethane		ND	5.7	0.33	µg/Kg-dry		01/17/06 12:28	
Chloroform		ND	2.9	0.05	µg/Kg-dry		01/17/06 12:28	
Chloromethane		ND	5.7	0.43	µg/Kg-dry		01/17/06 12:28	
is-1,2-Dichloroeth		ND	2.9	0.13	µg/Kg-dry		01/17/06 12:28	
is-1,3-Dichloropro	pene	ND	2.9	0.10	µg/Kg-dry		01/17/06 12:28	
Dibromochloromet	hane	ND	2.9	0.15	µg/Kg-dry		01/17/06 12:28	
bromomethane		ND	2.9	0.13	µg/Kg-dry		01/17/06 12:28	
Dichlorodifluorome	thane	ND	5.7	0.09	µg/Kg-dry		01/17/06 12:28	
thyibenzene		ND	2.9	0.11	µg/Kg-dry		01/17/06 12:28	
lexachlorobutadie	ne	ND	5.7	0.44	µg/Kg-dry		01/17/06 12:28	
sopropylbenzene		· ND	2.9	0.09	µg/Kg-dry		01/17/06 12:28	
lethyl tert-butyl et	her	· ND	2.9	0.08	µg/Kg-dry		01/17/06 12:28	
lethylene chloride	1	0.81 J	5.7	0.46	µg/Kg-dry		01/17/06 12:28	
-Butylbenzene		ND	2.9	0.14	µg/Kg-dry		01/17/06 12:28	
-Propylbenzene		ND	2. <del>9</del>	0.10	µg/Kg-dry		01/17/06 12:28	
laphthalene		ND	5.7	0.42	µg/Kg-dry		01/17/06 12:28	
-Isopropyltoluene		ND	2.9	0.10	µg/Kg-dry		01/17/06 12:28	
ec-Butyibenzene		ND	2.9	0.15	µg/Kg-dry	1	01/17/06 12:28	
ityrene		ND	2. <del>9</del>	0.11	µg/Kg-dry	1	01/17/06 12:28	
ert-Butylbenzene		. ND	2.9	0.15	µg/Kg-dry	1 -	01/17/06 12:28	
etrachloroethene		0.57 J	2.9	0.16	µg/Kg-dry	1	01/17/06 12:28	
oluene		ND	2.9	0.14	µg/Kg-dry	1	01/17/08 12:28	
ans-1,2-Dichloree	ethene	ND	2.9	0.11	µg/Kg-dry	1	01/17/06 12:28	
rans-1,3-Dichlorop	propene	ND	2.9	0.10	µg/Kg-dry	1	01/17/06 12:28	
richloroethene		ND	2.9	0.13	µg/Kg-dry	1	01/17/06 12:28	
richlorofluoromet	hane	1.2 J	5.7	0.09	µg/Kg-dry	1	01/17/06 12:28	
/inyl chloride		ND	5.7	0.09	µg/Kg-dry	1	01/17/06 12:28	
(ylenes (total)		ND	5.7	0.21	µg/Kg-dry	1	01/17/06 12:28	
Surr. 1,2-Dichio	roethane-d4	91.7	71-128	0.15	%REC	1	01/17/06 12:28	
Surr: 4-Bromofil	lorobenzene	57.1 S	59-125	0.10	%REC	1	01/17/06 12:28	
Surr: Dibromoflu	loromethane	107	40-156	0.21	%REC	1	01/17/06 12:28	
Surr. Toluene-da	8	76.7	75-125	0.14	%REC	<b>1</b>	01/17/06 12:28	
Qualifiers: B					ceeds the instru- detected below		ation range	
· H	Holding times for pre	paration of analysis	exceeded	a Analyle	detected netow	all r QL		

**Analytical Results** 

CLIENT: O'Brien & Gere Engine Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	eers, Inc.		Lab ID:         0601049-015A           Client Sample ID:         BH-28-S           Collection Date:         01/11/06 15:10           Date Received:         01/12/06 7:50				
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:03 A	Sample Size: %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:	R42 1-R	263 A-J8275.D		
Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyze	
VOLATILE ORGANIC COMPOUND	S BY GC/MS	SW	8260B				
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1	01/19/06 14:06	
1,1,1-Trichlorcethane	ND	2.9	0.11	µg/Kg-dry		01/19/06 14:06	
1,1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry	1	01/19/06 14:06	
1,1,2-Trichioro-1,2,2- trifiuoroethane	ND	2.9	0.11	µg/Kg-dry	1	01/19/06 14:06	
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1	01/19/06 14:06	
1,1-Dichlorcethane	ND	2.9	0.11	µg/Kg-dry	1	01/19/06 14:06	
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1.	01/19/06 14:06	
1,1-Dichloropropene	ND	2.9	0.11	µg/Kg-dry	1	01/19/06 14:06	
1,2,3-Trichlorobenzene	ND	5.7	0.57	µg/Kg-dry	1	01/19/06 14:06	
1,2,3-Trichloropropane	ND	2.9	0.19	µg/Kg-dry	1	01/19/06 14:06	
1,2,4-Trichlorobenzene	ND	5.7	0.39	µg/Kg-dry	1	01/19/06 14:06	
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1	01/19/06 14:06	
1,2-Dibromo-3-chloropropane	ND	5.7	0.46	µg/Kg-dry	1	01/19/06 14:06	
1,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry	1 .	01/19/06 14:06	
1,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry	1	01/19/06 14:06	
1,2-Dichloroethane	ND	2.9	0.11	µg/Kg-dry	1 ·	01/19/06 14:06	
1.2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1	01/19/06 14:06	
1,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry	1	01/19/06 14:06	
1,3-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry	1	01/19/06 14:06	
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1	01/19/06 14:06	
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1	01/19/06 14:06	
2,2-Dichloropropane	ND	2.9	0.10	µg/Kg-dry	1	01/19/06 14:06	
2-Butanone	ND	1 <b>1</b>	0.16	µg/Kg-dry	1	01/19/06 14:06	
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry		01/19/06 14:06	
2-Hexanone	ND	5.7	0.25	µg/Kg-dry		01/19/06 14:06	
4-Chlorotoluene	ND	2.9	0.18	µg/Kg-dry		01/19/06 14:06	
4-Methyl-2-pentanone	ND	5.7	0.27	µg/Kg-dry	1	01/19/06 14:06	
Acetone	2.4 J	11	0.44	μg/Kg-dry		01/19/06 14:06	
Benzene	ND	2.9	0.10	µg/Kg-dry	1	01/19/06 14:06	
Bromobenzene	ND	2.9	0.17	µg/Kg-dry	1	01/19/06 14:06	
Bromochloromethane	ND	2.9	0.18	µg/Kg-dry	<b>1</b>	01/19/06 14:06	
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1	01/19/06 14:06	
Bromoform	ND	2.9	0.07	µg/Kg-dry	1	01/19/06 14:06	
Bromomethane	ND	5.7	0.34	µg/Kg-dry	1	01/19/06 14:06	

H Holding times for preparation or analysis exceeded

ected below the PQL Analyte det Prim./Conf. column %D or RPD exceeds limit

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Р

#### **Analytical Results**

CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	ieers, Inc.		Lab ID: Client Sar Collection Date Rece		<b>5</b> :10
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:03 A	Sample Size: %Moisture: TestCode:		PrepDate BatchNo: FileID:	: R4263 1-RA-J827	5.D
Analyte	Result Qu		MDL	Units DF	Date Analyze
OLATILE ORGANIC COMPOUNI	DS BY GC/MS	SW	8260B		
Carbon disulfide	ND	2.9	0.07	µg/Kg–dry 1	01/19/06 14:06
Carbon tetrachloride	ND	2.9	0.13	µg/Kg-dry 1	01/19/06 14:06
Chiorobenzene	ND	2.9	0.10	µg/Kg-dry 1	01/19/06 14:06
Chioroethane	ND	5.7	0.33	µg/Kg-dry 1	01/19/06 14:06
Chioroform	ND	2.9	0.05	µg/Kg-drý 1	01/19/06 14:06
hloromethane	ND	5.7	0.43	µg/Kg-dry 1	01/19/06 14:06
s-1,2-Dichlorcethene	ND	2.9	0.13	µg/Kg-dry 1	01/19/06 14:06
is-1,3-Dichloropropene	ND	2.9	0.10	µg/Kg-dry 1	01/19/06 14:06
ibromochioromethane	ND	2.9	0.15	µg/Kg-dry i	01/19/06 14:06
ibromomethane	· ND	2.9	0.13	µg/Kg-dry 1	01/19/06 14:06
chlorodifluoromethane	ND	5.7	0.09	µg/Kg-dry 1	01/19/06 14:06
hylbenzene	ND	2.9	0.11	µg/Kg-dry 1	01/19/06 14:06
exachlorobutadiene	ND	5.7	0.44	µg/Kg-dry 1	01/19/06 14:06
opropylbenzene	ND	2.9	0.09	µg/Kg-dry 1	01/19/06 14:06
lethyl tert-butyl ether	ND	2.9	0.08	µg/Kg-dry 1	01/19/06 14:06
ethylene chloride	2.6 J	5.7	0.46	µg/Kg-dry 1	01/19/06 14:06
Butylbenzene	ND	2.9	0.14	µg/Kg-dry 1	01/19/06 14:06
Propylbenzene	ND	2.9	0.10	µg/Kg-dry 1	01/19/06 14:06
aphthalene	ND	5.7	0.42	µg/Kg-dry 1	01/19/06 14:06
Isopropyltoluene	, ND	2.9	0.10	µg/Kg-dry 1	01/19/06 14:06
ec-Butylbenzene	ND	2.9	0.15	µg/Kg-dry 1	01/19/06 14:06
lyrene	ND	2.9	0.11	µg/Kg-dry 1	01/19/06 14:06
rt-Butylbenzene	ND	2.9	0,15	µg∕Kg-dry 1	01/19/06 14:06
strachloroethene	0.62 J	2.9	0.16	µg/Kg-dry 1	01/19/06 14:06
oluene	ND	2.9	0.14	µg/Kg-dry 1	01/19/06 14:06
ans-1,2-Dichloroethene	ND	2.9	0.11	µg/Kg-dry 1	01/19/06 14:06
ans-1,3-Dichloropropene	ND	2.9	0.10	µg/Kg-dry 1	01/19/06 14:06
richloroethene	ND	2.9	0.13	µg/Kg-dry 1	01/19/06 14:06
ichlorofluoromethane	1.1 J	5.7	0.09	µg/Kg-dry 1	01/19/06 14:06
nyl chloride	ND	5.7	0.09	µg/Kg-dry 1	01/19/06 14:06
ienes (totai)	ND	5.7	0.21	µg/Kg-dry 1	01/19/06 14:06
Surr: 1,2-Dichloroethane-d4	93.6	71-128	0.15	%REC 1	01/19/06 14:06
Surr: 4-Bromofluorobenzene	54.6 S	59-125	0.10	%REC 1	01/19/06 14:06
Surr: Dibromofluoromethane	109	40-156	0.21	%REC 1	01/19/06 14:06
Surr: Toluene-d8	75.0 <b>S</b>	75-125	0.14	%REC 1	01/19/06 14:06
Qualifiers: B Analyte detected in t H Holding times for pr ND Not Detected at the l	eparation or analysis	s exceeded	J Analyte	exceeds the instrument call e detected below the PQL Conf. column %D or RPD	-

S Spike Recovery outside accepted recovery limits

Project Supervisor: Thomas A. Alexander

**Analytical Results** 

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.	en en en La companya	Lab ID: Client Sampl Collection Da Date Receive	e ID: B ate: 01	501049-0 H-28-D 1/11/06 15 1/12/06 7:5	:20
inst. ID: ColumnID: Revision:	MS03 10 Rtx-VMS 01/20/06 10:08:39 A	Sample Size %Moisture: TestCode:	—	PrepDate: BatchNo: FileID:		1228 SAMP-J82	234.D
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyze
VOLATILE (	DRGANIC COMPOUND	S BY GC/MS	SW	8260B			
1,1,1,2-Tetrac	hloroethane	ND	3.1	0.14	µg/Kg-dr	y 1	01/17/06 13:03
,1,1-Trichloro	ethane	ND	3.1	0.12	µg/Kg-dr	y 1	01/17/06 13:03
1,1,2,2-Tetrac	hloroethane	ND	3.1	0.20	µg/Kg-dr	y 1	01/17/06 13:03
1,1,2-Trichloro rifluoroethane		ND	3.1	0.12	µg/Kg-dr	y 1	01/17/06 13:03
1,1,2-Trichloro	ethane	ND	3.1	0.14	µg/Kg-dr	-	01/17/06 13:03
,1-Dichloroet	hane	ND	3.1	0.12	µg/Kg-dr	y 1	01/17/06 13:03
,1-Dichloroet	hene	ND	3.1	0.17	µg/Kg-dr	y 1	01/17/06 13:03
,1-Dichloropr	apene	<sup>2</sup> ND	3.1	0.12	µg/Kg-dr	y 1	01/17/06 13:03
,2,3-Trichloro	benzene	ND	6.2	0.62	µg/Kg-dr	y 1	01/17/06 13:03
,2,3-Trichloro	propane	ND	3.1	0.21	µg/Kg-dr		01/17/06 13:03
,2,4-Trichloro		ND	6.2	0.42	µg/Kg-dr		01/17/06 13:03
,2,4-Trimethy	/benzene	ND	3.1	0.14	µg/Kg-dr	y 1 ⇒ .	01/17/06 13:03
,2-Dibromo-3	-chloropropane	ND	6.2	0.50	µg/Kg-dr	y 1	01/17/06 13:03
,2-Dibromoet	hane	ND	3.1	0.11	µg/Kg-dr	y 1	01/17/06 13:03
,2-Dichlorobe	enzene	ND ·	3.1	0.11	µg/Kg-dr	-	01/17/06 13:03
,2-Dichloroet	hane	ND	3.1	0.12	µg/Kg-dr	y 1	01/17/06 13:03
,2-Dichloropr	opane	ND	3.1	Ó.10	µg/Kg-dr	-	01/17/06 13:03
,3,5-Trimethy	/benzene	ND	3.1	0.11	µg/Kg-dr	y 1	01/17/06 13:03
,3-Dichlorobe	enzene	ND	3.1	0.12	µg/Kg-dr	y 1	01/17/06 13:03
1,3-Dichloropr	opane	ND	3.1	0.10	µg/Kg-dr	y 1	01/17/06 13:03
,4-Dichlorobe	enzene	ND	3.1	0.16	µg/Kg-dr	у 1	01/17/06 13:03
2,2-Dichloropr	opáne	ND	3.1	0.11	µg/Kg-dr	y 1	01/17/06 13:03
-Butanone	· · ·	ND	12	0.17	µg/Kg-dr	у 1	01/17/06 13:03
2-Chlorotoluer	1e <sup>.</sup>	ND	3.1	0.09	µg/Kg-dr	y 1	01/17/06 13:03
-Hexanone	·	ND	6.2	0.27	µg/Kg-dr	y 1	01/17/06 13:03
-Chlorotoluer	18	ND	3.1	0.20	µg/Kg-dr	<mark>у1</mark> -	01/17/06 13:03
-Methyl-2-pe	ntanone	ND	6.2	0.30	µg/Kg-dr	у 1	01/17/06 13:03
cetone		2.4 J	12	0.49	µg/Kg-dr	у 1	01/17/06 13:03
Benzene		ND	3.1	0.11	µg/Kg-dr	y 1	01/17/06 13:03
Brómobenzen	e	ND	3.1	0.19	µg/Kg-dr	y 1	01/17/06 13:03
Bromochloron	nethane ·	ND	3.1	0.20	µg/Kg-dr	у 1	01/17/06 13:03
Bromodichlord	omethane	ND	3.1	0.10	µg/Kg-dr	y. 1	01/17/06 13:03
Bromoform		ND	3.1	0.07	µg/Kg-dr	у 1	01/17/06 13:03
	6	ND	6.2	0.37	µg/Kg-dr	v 1	01/17/06 13:03

#### **Analytical Results** Life Science Laboratories, Inc. LSL 5000 Brittonfield Parkway, Suite 200 StateCertNo: 10155 East Syracuse, NY 13057 (315) 437-0200 **CLIENT:** O'Brien & Gere Engineers, Inc. Lab ID: 0601049-016A Client Sample ID: BH-28-D Geneva Foundry **Project: Collection Date:** 01/11/06 15:20 W Order: 0601049 01/12/06 7:50 **Date Received:** Matrix: SOIL **PrepDate:** Inst. TD: MS03 10 Sample Size: 4.98 g R4228 BatchNo: %Moisture: 19.6 ColumnID: Rtx-VMS 1-SAMP-J8234.D FileID: **Revision:** 01/20/06 10:08:39 A TestCode: 8260S TAGML DF **Date Analyzed** MDL Units **Result Qual PQL** Analyte VOLATILE ORGANIC COMPOUNDS BY GC/MS SW8260B 01/17/06 13:03 3.1 0.07 µg/Kg-dry 1 Carbon disulfide ND µg/Kg-dry 1 01/17/06 13:03 ND 3.1 0.14 Carbon tetrachloride 01/17/06 13:03 µg/Kg-dry. 1 0.11 ND 3.1 Chlorobenzene 01/17/06 13:03 0.36 µg/Kg-dry 1 Chloroethane ND 6.2 01/17/06 13:03 µg/Kg-dry 1 0.05 Chloroform ND 3,1 01/17/06 13:03 µg/Kg-dry 1 ND 6.2 0.47 Chloromethane 01/17/06 13:03 µg/Kg-dry 1 3.1 0.14 cis-1,2-Dichloroethene ND 01/17/06 13:03 0.11 µg/Kg-dry 1 3.1 cis-1,3-Dichloropropene ND 01/17/06 13:03 Dibromochloromethane ND 3.1 0.16 µg/Kg-dry 1 01/17/06 13:03 0.14 µg/Kg-dry 1 ND Dibromomethane 3.1 01/17/06 13:03 0.10 µg/Kg-dry 1 Dichlorodifluoromethane ND 6.2 01/17/06 13:03 0.12 µg/Kg-dry 1 Ethylbenzene ND 3.1 01/17/06 13:03 µg/Kg-dry 1 6.2 0.49 Hexachlorobutadiene ND 01/17/06 13:03 ND 3.1 0.10 µg/Kg-dry 1 Isopropyibenzene 3.1 0.09 µg/Kg-dry 1 01/17/06 13:03 ND Methyl tert-butyl ether 01/17/06 13:03 µg/Kg-dry 1 Methylene chloride ND 6.2 0.50 01/17/06 13:03 0.15 µg/Kg-dry 1 ND 3.1 n-Butylbenzene 01/17/06 13:03 0.11 µg/Kg-dry 1 n-Propylbenzene ND 3.1 01/17/06 13:03 6.2 0.46 µg/Kg-dry 1 Naphthalene ND 01/17/06 13:03 µg/Kg-dry 1 ND 3.1 0.11 p-isopropyltoluene 01/17/06 13:03 µg/Kg-dry 1 0.16 sec-Butylbenzene ND 3.1 01/17/06 13:03 ug/Kg-dry 1 ND 3.1 0.12 Styrene 01/17/06 13:03 0.16 µg/Kg-dry 1 tert-Butylbenzene ND 3.1 01/17/06 13:03 0.17 µg/Kg-dry 1 ND 3.1 **Tetrachloroethene** 01/17/06 13:03 µg/Kg-dry 1 0.15 Toluene ND 3.1 01/17/06 13:03 0.12 µg/Kg-dry 1 trans-1,2-Dichloroethene ND 3.1 01/17/06 13:03 0.11 µg/Kg-dry 1 trans-1,3-Dichloropropene ND 3.1 01/17/06 13:03 µg/Kg-dry 1 ND 3.1 0.14 Trichloroethene 01/17/06 13:03 0.10 µg/Kg-dry 1 ND 6.2 Trichlorofluoromethane 01/17/06 13:03 µg/Kg-dry 1 0.10 Vinyl chloride ND 6.2 01/17/06 13:03 0.22 µg/Kg-dry 1 ND Xylenes (total) 6.2 01/17/06 13:03 Surr: 1,2-Dichloroethane-d4 84.7 71-128 0.16 %REC 1 01/17/06 13:03 0.11 %REC 1 Surr: 4-Bromofluorobenzene 74.9 59-125 %REC 1 01/17/06 13:03 0.2299.9 40-156 Surr: Dibromofluoromethane 01/17/06 13:03 %REC 1 0.15 75-125 Surr: Toluene-d8 93.0 Value exceeds the instrument calibration range Analyte detected in the associated Method Blank Е ₿ Qualifiers: Analyte detected below the PQL Holding times for preparation or analysis exceeded J Н Prim\_/Conf. column %D or RPD exceeds limit ND Not Detected at the Practical Quantitation Limit (PQL) P

Spike Recovery outside accepted recovery limits S

Project Supervisor: Thomas A. Alexander

Print Date: 01/20/06 10:10

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# LSL 5000 Brittonfield Parkway, Suite 200 NV 13057 (315) 437-0200

nst. ID: MS03 10 olumnID: Rtx-VMS evision: 01/20/06 10:08:39 A nalyte OLATILE ORGANIC COMPOUNDS 1,1,2-Tetrachloroethane 1,1-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1.2-Trichloroethane 1.Dichloroethane 1-Dichloroethane 1-Dichloroethane	Sample Size: %Moisture: TestCode: Result Qu BY GC/MS ND ND ND ND ND ND ND ND ND ND	12.3 8260S TAGML al PQL	MDL /8260B 0.13 0.11 0.18 0.11 0.13		Date Analyze 01/17/06 13:38 01/17/06 13:38 01/17/06 13:38 01/17/06 13:38
OLATILE ORGANIC COMPOUNDS 1,1,2-Tetrachloroethane 1,1-Trichloroethane 1,2,2-Tetrachloroethane 1,2-Trichloro-1,2,2- fluoroethane 1,2-Trichloroethane 1-Dichloroethane 1-Dichloroethane 1-Dichloroethane	BY GC/MS ND ND ND ND ND ND ND ND	SW 2.9 2.9 2.9 2.9 2.9 2.9 2.9	/8260B 0.13 0.11 0.18 0.11 0.13	µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1	01/17/06 13:38 01/17/06 13:38 01/17/06 13:38 01/17/06 13:38
1,1,2-Tetrachloroethane 1,1-Trichloroethane 1,2,2-Tetrachloroethane 1,2-Trichloro-1,2,2- fluoroethane 1,2-Trichloroethane 1-Dichloroethane 1-Dichloroethane 1-Dichloroethane	ND ND ND ND ND ND	2.9 2.9 2.9 2.9 2.9 2.9 2.9	0.13 0.11 0.18 0.11 0.13	µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1	01/17/06 13:38 01/17/06 13:38 01/17/06 13:38
1,1-Trichloroethane 1,2,2-Tetrachloroethane 1,2-Trichloro-1,2,2- fluoroethane 1,2-Trichloroethane 1-Dichloroethane 1-Dichloroethane 1-Dichloroethane	ND ND ND ND ND	2.9 2.9 2.9 2.9 2.9	0.11 0.18 0.11 0.13	µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1	01/17/06 13:38 01/17/06 13:38 01/17/06 13:38
1,2,2-Tetrachloroethane 1,2-Trichloro-1,2,2- fluoroethane 1,2-Trichloroethane 1-Dichloroethane 1-Dichloroethane 1-Dichloroethane	ND ND ND ND ND	2.9 2.9 2.9 2.9	0.18 0.11 0.13	µg/Kg-dry 1 µg/Kg-dry 1	01/17/06 13:38 01/17/06 13:38
1,2-Trichloro-1,2,2- fluoroethane 1,2-Trichloroethane 1-Dichloroethane 1-Dichloroethane 1-Dichloroethane	ND ND ND ND	2.9 2.9 2.9	0.11 0.13	µg/Kg-dry 1	01/17/06 13:38
fluoroethane 1,2-Trichloroethane 1-Dichloroethane 1-Dichloroethene 1-Dichloropropene	ND ND ND	2.9 2.9	0.13		
1,2-Trichloroethane 1-Dichloroethane 1-Dichloroethene 1-Dichloropropene	ND ND	2.9		µg/Kg-dry 1	
1-Dichloroethane 1-Dichloroethene 1-Dichloropropene	ND ND	2.9			01/17/06 13:38
1-Dichloroethene 1-Dichloropropene	ND		0.11	μg/Kg-dry 1	01/17/06 13:38
1-Dichloropropene		£C1	0,16	µg/Kg-dry 1	01/17/06 13:38
		2.9	0.11	µg/Kg-dry 1	01/17/06 13:38
2,3-Trichlorobenzene	ND	5.7	0.57	µg/Kg-dry 1	01/17/06 13:38
2,3-Trichloropropane	ND	2.9	0.19	µg/Kg-dry 1	01/17/06 13:38
2,4-Trichlorobenzene	ND	5.7	0.39	µg/Kg-dry 1	01/17/06 13:38
2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry 1	01/17/06 13:38
2-Dibromo-3-chloropropane	ND	5.7	0.46	µg/Kg-dry 1	01/17/06 13:36
2-Dibromoethane	NĎ	2.9	0.10	µg/Kg-dry 1	01/17/06 13:38
2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry 1	01/17/06 13:38
2-Dichloroethane	ND	2.9	0.11	µg/Kg-dry 1	01/17/06 13:38
2-Dichloropropane	ND	2.9	0.09	µġ/Kg-dry 1	01/17/06 13:38
3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry 1	01/17/06 13:38
3-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry 1	01/17/06 13:38
3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry 1	01/17/06 13:38
4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry 1	01/17/06 13:38
2-Dichloropropane	ND	2.9	0.10	μg/Kg-dry 1	01/17/06 13:38
Butanone	ND	11	0.16	µg/Kg-dry 1	01/17/06 13:38
Chlorotoluene	ND	2.9	0.08	µg/Kg-dry 1	01/17/06 13:38
Hexanone	ND	5.7	0.25	µg/Kg-dry 1	01/17/06 13:38
Chlorotoluene	ND	2.9	0.18	μg/Kg-dry 1	01/17/06 13:38
Methyl-2-pentanone	ND	5.7	0.27	µg/Kg-dry 1	01/17/06 13:38
cetone	2.6 J	11	0.44	µg/Kg-dry 1	01/17/06 13:38
enzene	ND	2.9	0.10	µg/Kg-dry 1	01/17/06 13:38
romobenzene	ND	2.9	0.17	μg/Kg-dry 1	01/17/06 13:38
romochloromethane	ND	2.9	0.18	µg/Kg-dry 1	01/17/06 13:38
romodichloromethane	ND	2.9	0.09	µg/Kg-dry 1	01/17/06 13:38
romoform	ND	2.9	0.07	µg/Kg-dry 1	01/17/06 13:38
romomethane	ND	5.7	0.34	µg/Kg-dry 1	01/17/06 13:38
Qualifiers: B Analyte detected in the		· · · · · · · · · · · · · · · · · · ·		e exceeds the instrument ca	
H Holding times for prep ND Not Detected at the Pro-				yte detected below the PQL /Conf. column %D or RPD	•

# LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

CLIENT: O'Brien & Gere Eng	gineers, Inc.		Lab ID:	0601049-0	17A		
Project: Geneva Foundry		• *		Client Sample ID: <u>BH-29-S</u> Collection Date: 01/11/06 16:05			
W Order: 0601049			Date Rec				
Matrix: SOIL		_		•			
nst. ID: MS03 10	Sample Size:	-	PrepDate		•		
ColumnID: Rtx-VMS	%Moisture:	-	BatchNo	: R4228 1-SAMP-J8	225 D		
Revision: 01/20/06 10:08:39	A TestCode:	8260S TAGML	FileID:	1-941AL-19	233.D		
Inalyte	Result Qu	al PQL	MDL	Units DF	Date Analyze		
OLATILE ORGANIC COMPOU	NDS BY GC/MS	SW	8260B	· ·			
arbon disulfide	ND	2.9	0.07	µg/Kg-dry 1	01/17/06 13:38		
Carbon tetrachloride	ND	2.9	0.13	µg/Kg-dry 1	01/17/06 13:38		
hiorobenzene	ND	2.9	0.10	µg/Kg-dry 1	01/17/06 13:38		
hloroethane	ND	5.7	0.33	µg/Kg-dry 1	01/17/06 13:38		
hloroform	ND	2.9	0.05	µg/Kg-dry 1	01/17/06 13:38		
chloromethane	ND	5.7	0.43	µg/Kg-dry 1	01/17/06 13:38		
is-1,2-Dichloroethene	ND	2.9	0.13	µg/Kg-dry 1	01/17/06 13:38		
is-1,3-Dichloropropene	ND	2.9	0.10	µg/Kg-dry 1	01/17/06 13:38		
Dibromochloromethane	ND	2.9	0.15	µg/Kg-dry 1	01/17/06 13:38		
libromomethane	ND	2.9	0.13	μg/Kg-dry 1	01/17/06 13:38		
lichlorodifluoromethane	ND	5.7	0.09	µg/Kg-dry 1	01/17/06 13:38		
thylbenzene	ND	2.9	0.11	µg/Kg-dry 1	01/17/06 13:38		
exachiorobutadiene	ND	5.7	0.44	µg/Kg-dry 1	01/17/06 13:38		
sopropylbenzene	· ND	2.9	0.09	µg/Kg-dry 1	01/17/06 13:38		
lethyl tert-butyl ether	ND	2.9	0.08	µg/Kg-dry 1	01/17/06 13:38		
lethylene chloride	ND	5.7	0.46	µg/Kg-dry 1	01/17/06 13:38		
-Butylbenzene	ND	2.9	0.14	µg/Kg-dry 1	01/17/06 13:38		
-Propylbenzene	ND ·	2.9	0.10	µg/Kg-dry 1	01/17/06 13:38		
laphthalene	ND	5.7	0.42	µg/Kg-dry 1	01/17/06 13:38		
-Isopropyitoluene	ND	2.9	0.10	µg/Kg-dry 1	01/17/06 13:38		
ec-Butylbenzene	ND	2.9	0.15	µg/Kg-dry 1	01/17/06 13:38		
ityrene	ND	2.9	0.11	µg/Kg-dry 1	01/17/06 13:38		
ert-Butylbenzene	ND	2.9	0.15	µg/Kg-dry 1	01/17/06 13:38		
etrachloroethene	ND	2.9	<b>0</b> .16	µg/Kg-dry 1	01/17/06 13:38		
oluene	. ND	2.9	0.14	µg/Kg-dry 1	01/17/06 13:38		
ans-1,2-Dichloroethene	ND	2.9	0.11	µg/Kg-dry 1	01/17/06 13:38		
rans-1,3-Dichloropropene	ND	2.9	<b>0.10</b>	µg/Kg-dry 1	01/17/06 13:38		
richloroethene	ND	2.9	0.13	µg/Kg-dry 1	01/17/06 13:38		
richlorofluoromethane	ND	5.7	0.09	µg/Kg-dry 1	01/17/06 13:38		
inyl chloride	ND	5.7	0.09	µg/Kg-dry 1	01/17/06 13:38		
ylenes (total)	ND	5.7	0.21	µg/Kg-dry 1	01/17/06 13:38		
Surr: 1,2-Dichloroethane-d4	86.6	71-128	0.15	%REC 1	01/17/06 13:38		
Surr: 4-Bromofluorobenzene	71.3	59-125	0.10	%REC 1	01/17/06 13:38		
Surr: Dibromofluoromethane	97,1	40-156	0.21	%REC 1	01/17/06 13:38		
Surr: Toluene-d8	91.5	75-125	0.14	%REC 1	01/17/06 13:38		
Qualifiers: B Analyte detected	in the associated Metho	od Blank	E Value	exceeds the instrument cali	bration range		
Comments :	preparation or analysis		J Analy	te detected below the PQL			
ND Not Detected at th	he Practical Quantitatio	n Limit (POL)	P Prim.	Conf. column %D or RPD (	exceeds limit		

the Practical Quantil

**Analytical Results** 

CLIENT:       O'Brien & Gere Engineers, Inc.         Project:       Geneva Foundry         W Order:       0601049         Matrix:       SOIL         Inst. ID:       MS03 10       Sample Size: 4.99 g				Collecti Date Re	ent Sample ID: B lection Date: 01 te Received: 01		<b>018A</b> <b>)</b> 16:20 7:50
ColumnID: 1		Sample Size %Moisture: TestCode:	· · · · · · · · · · · · · · · · · · ·	PrepDa BatchN FileID:		R4228 1-SAMP-J	8236.D
Analyte	· ·	Result Qu	al PQL	MDL	Units	DF	Date Analyze
	RGANIC COMPOUND	S BY GC/MS	SW	8260B			
1,1,1,2-Tetrachi	oroethane	ND	3.1	0.14	µд/Кд	-dry 1	01/17/06 14:13
1,1,1-Trichloroe	thane	ND	3.1	0.13	µg/Kg		01/17/06 14:13
1,1,2,2-Tetrachi		ND	3.1	0.20	µg/Kg		01/17/06 14:13
1,1,2-Trichloro-1 rifluoroethane	1,2,2-	ND	3.1	0.13	µg/Kg	-dry 1	01/17/06 14:13
1,1,2-Trichloroe	thane	ND	3.1	0.14	µg/Kg	-dry 1	01/17/06 14:13
I,1-Dichloroetha	ane	ND	3.1	0.13	µg/Kg		01/17/06 14:13
I,1-Dichloroethe	ene	ND	3.1	0.18		-dry 1	01/17/06 14:13
,1-Dichloroproj	pene	ND	3.1	0.13	µg/Kg	-dry 1	01/17/06 14:13
1,2,3-Trichlorob	enzene	ND	6.3	0.63	µg/Kg	-dry 1	01/17/06 14:13
2,3-Trichlorop	•	ND	3.1	0.21	µg/Kg	dry 1 👘	01/17/06 14:13
1,2,4-Trichlorob	enzene	ND	6.3	0.43	µg/Kg∙	-dry 1	01/17/06 14:13
l,2,4-Trimethylt	enzene	ND	3.1	0.14	µд/Кд	-dry 1	01/17/06 14:13
1,2-Dibromo-3-a	chloropropane	ND	6.3	0.50	µg/Kg	-dry 1	01/17/06 14:13
,2-Dibromoeth	апе	ND	3.1	0.11	µg/Kg	-dry 1	01/17/06 14:13
l,2-Dichloroben	zene	ND	3.1	0.11	µg/Kg	-dry 1	01/17/06 14:13
,2-Dichloroetha	ane	ND	3.1	0.13	-	-dry 1	01/17/06 14:13
2-Dichloropro	pane	ND	3.1	0.10		-dry 1	01/17/06 14:13
l,3,5-Trimethylt	enzene	ND	3.1	0.11		-dry 1	01/17/06 14:13
I,3-Dichloroben		ND	3.1	0.13		-dry 1	01/17/06 14:13
,3-Dichloropro		ND	3.1	0.10	•	-dry 1	01/17/06 14:13
1,4-Dichloroben		ND	3.1	0.16		-dry 1	01/17/06 14:13
2,2-Dichloroprop	pane	ND	3.1	0.11		-dry 1	01/17/06 14:13
2-Butanone		ND	13	0.18		-dry 1	01/17/06 14:13
2-Chlorotoluene	<b>)</b>	ND	3.1	0.09		-dry 1	01/17/06 14:13
2-Hexanone		ND	6.3	0.28		-dry 1	01/17/06 14:13
I-Chlorotoluene		ND	3.1	0.20	· · · · -	-dry 1	01/17/06 14:13
I-Methyl-2-pent	anone	ND	6.3	0.30		-dry 1	01/17/06 14:13
Acetone		1.8 J	13	0.49		-dry 1	01/17/06 14:13
Benzene		ND	3.1	0.11		-dry 1	01/17/06 14:13
Bromobenzene		ND	3.1	0.19		-dry 1	01/17/06 14:13
Bromochlorome		ND	3.1	0.20		-dry 1	01/17/06 14:13
Bromodichloron	nethane	ND	3.1	0.10		-dry 1	01/17/06 14:13
Bromoform		ND	3.1	0.08		-dry 1	01/17/06 14:13
Bromomethane		· ND	6.3	0.38	р <b>д/К</b> д	-dry 1	01/17/06 14:13
Qualifiers:	B Analyte detected in th	e associated Meth	od Blank	E Val	ue exceeds the	instrument ca	libration range
	H Holding times for pre	paration or analysi	s exceeded		lyte detected b	-	
	ND Not Detected at the P	ractical Quantitation	on Limit (PQL)	P Prin	n./Conf. colum	n %D or RPD	exceeds limit

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LSL 5000 Brittonfield Parkw East Syracuse, NY 130	57 (315)	) 437-0200		StateCertNo	: 10155		
CLIENT: O'Brien & Gere Engine Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	ers, Inc.	• •	Lab ID:         0601049-018A           Client Sample ID:         BH-29-D           Collection Date:         01/11/06 16:20           Date Received:         01/12/06 7:50				
nst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 10:08:39 A	Sample Size %Moisture: TestCode:		Prepl Batch FileII	nNo: R4228	236.D		
nalyte	Result Qu	al PQL	MDL	Units DF	Date Analyze		
OLATILE ORGANIC COMPOUND	S BY GC/MS	SW	8260B				
Carbon disulfide	ND	3.1	0.08	µg/Kg-dry_1	01/17/06 14:13		
Carbon tetrachioride	ND	3.1	0.14	μg/Kg-dry 1	01/17/06 14:13		
Chlorobenzene	ND	3.1	0.11	µg/Kg-dry 1	01/17/06 14:13		
Chloroethane	ND	6.3	0.36	μg/Kg-dry 1	01/17/06 14:13		
Chloroform	ND	3.1	0.05	μg/Kg-dry 1	01/17/06 14:13		
Chloromethane	ND	6.3	0.48	µg/Kg-dry 1	01/17/06 14:13		
is-1,2-Dichloroethene	ND	3.1	0.14	μg/Kg-dry 1	01/17/06 14:13		
is-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry 1	01/17/06 14:13		
Dibromochloromethane	ND	3.1	0.16	µg/Kg-dry 1	01/17/06 14:13		
Dibromomethane	ND	3.1	0.14	µg/Kg-dry 1	01/17/06 14:13		
Dichlorodifluoromethane	ND	6.3	0.10	µg/Kg-dry 1	01/17/06 14:13		
Ethylbenzene	ND	3.1	0.13	µg/Kg-dry 1	01/17/06 14:13		
lexachlorobutadiene	ND	6.3	0. <b>49</b>	µg/Kg-dry 1	01/17/06 14:13		
sopropylbenzene	ND	3.1	0.10	µg/Kg-dry 1	01/17/06 14:13		
Methyl tert-butyl ether	ND	3.1	0.09	μg/Kg-dry 1	01/17/06 14:13		
lethylene chloride	ND	6.3	0.50	µg/Kg-dry 1	01/17/06 14:13		
-Butylbenzene	ND	3.1	0.15	µg/Kg-dry 1	01/17/06 14:13		
-Propylbenzene	ND	3.1	0.11	µg/Kg-dry 1	01/17/06 14:13		
Naphthalene	ND	6.3	0.46	µg/Kg-dry 1	01/17/06 14:13		
	ND	3.1	0.11	µg/Kg-dry 1	01/17/06 14:13		
ec-Butylbenzene	ND	3.1	0.16	µg/Kg-dry 1	01/17/06 14:13		
Styrene	ND	3.1	0.13	µg/Kg-dry 1	01/17/06 14:13		
ert-Butylbenzene	ND	3.1	0.16	µg/Kg-dry 1	01/17/06 14:13		
Fetrachloroethene	ND	3.1	0.18	µg/Kg-dry 1	01/17/06 14:13		
Foluene	ND	3.1	0.15	µg/Kg-dry 1	01/17/06 14:13		
rans-1,2-Dichloroethene	ND	3.1	Ũ.13	µg/Kg-dry 1	01/17/06 14:13		
rans-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry 1	01/17/06 14:13		
Frichloroethene	ND	3.1	0.14	µg/Kg-dry 1	01/17/06 14:13		
Frichlorofluoromethane	ND	6.3	0.10	µg/Kg-dry 1	01/17/06 14:13		
/inyl chloride	ND	6.3	0.10	µg/Kg-dry 1	01/17/06 14:13		
(ylenes (total)	ND	6.3	0.23	µg/Kg-dry 1	01/17/06 14:13		
Surr. 1,2-Dichloroethane-d4	86.1	71-126	0.16	%REC 1	01/17/06 14:13		
Surr. 4-Bromofluorobenzene	71.9	59-125	0.11	%REC 1	01/17/06 14:13		
Surr. Dibromofiuoromethane	101	40-156	0.23	%REC 1	01/17/06 14:13		
Surr. Toluene-d8	91.5	75-125	0.15	%REC 1	01/17/06 14:13		
Qualifiers: B Analyte detected in th	e associated Meth	od Blank	E	Value exceeds the instrument cali	ibration range		
H Holding times for pre				Analyte detected below the PQL			
		10 6/1000000					

CLIENT: O'Brien & Gere Eng Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	jineers, Inc.		Lab ID:         0601049-019A           Client Sample ID:         BH-34-S           Collection Date:         01/11/06 14:30           Date Received:         01/12/06 7:50			
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 10:08:39 A	Sample Size: %Moisture: A TestCode:		PrepDate BatchNo: FileID:	R422	8 MP-J8237.D	
Analyte	Result Qu	al PQL	MDL	Units I	OF Date Analyzed	
OLATILE ORGANIC COMPOU	NDS BY GC/MS	SW	8260B			
,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dry 1	01/17/06 14:48	
,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-dry 1	01/17/06 14:48	
,1,2,2-Tetrachloroethane	ND	3.1	0. <b>20</b>	µg/Kg-dry 1	01/17/06 14:48	
,1,2-Trichloro-1,2,2- fifluoroethane	ND	3.1	0.12	µg/Kg-dry 1	01/17/06 14:48	
,1,2-Trichloroethane	ND	3.1	0.14	µg/Kg-dry 1	01/17/06 14:48	
,1-Dichloroethane	ND	3.1	0.12	µg/Kg-dry 1		
,1-Dichloroethene	ND	3.1	0.17	µg/Kg-dry 1		
,1-Dichloropropene	ND	3.1	0.12	µg/Kg-dry 1		
,2,3-Trichlorobenzene	ND	6.1	0.61	µg/Kg-dry 1		
,2,3-Trichloropropane	ND	<b>3.1</b>	0.21	µg/Kg-dry 1		
,2,4-Trichlorobenzene	ND	<u>6.1</u>	0.42	µg/Kg-dry 1		
,2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-dry 1		
,2-Dibromo-3-chloropropane	ND	6.1	0.49	µg/Kg-dry 1		
,2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry 1		
,2-Dichlorobenzene	ND	3.1	0.11	µg/Kg-dry 1		
,2-Dichloroethane	ND	3.1	0.12	µg/Kg-dry 1		
,2-Dichloropropane	• ND	3.1	0.10	µg/Kg-dry 1	•	
,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry 1		
,3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-dry 1		
,3-Dichloropropane	ND	3.1	0.10	µg/Kg-dry 1		
,4-Dichlorobenzene	ND	3.1	0.16	μg/Kg-dry 1	-	
2,2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry 1		
2-Butanone	ND	12	0.17	μg/Kg-dry 1		
2-Chiorotoluene	ND	. 3.1	0.09	µg/Kg-dry 1	1	
2-Hexanone	ND	6.1	0.27	µg/Kg-dry 1		
I-Chlorotoluene	ND	3,1	0.20	µg∕Kg-dry 1		
I-Methyl-2-pentanone	ND ·	6.1	0.29	µg/Kg-dry 1		
Acetone	2.7 J	12	0.46	µg/Kg-dry 1		
Benzene	ND	3.1	0.11	µg/Kg-dry 1		
Bromobenzene	ND	3.1	0.18	µg/Kg-dry 1		
Bromochloromethane	ND	3.1	0.20	µg/Kg-dry		
Bromodichloromethane	ND	<b>3.1</b>	0.10	µg/Kg-dry ′	· · · · · · · · · · · · · · · · · · ·	
Bromoform	ND	3.1	0.07	µg/Kg-dry	· · · · · · · · · · · · · · · · · · ·	
Bromomethane	ND	6.1	0.37	µg/Kg-dry	1 01/17/06 14:48	
Vuanners.	in the associated Meth				nent calibration range	
ND Not Detected at t	r preparation or analysic the Practical Quantitation putside accepted recover	on Limit (PQL)	-	ie detected below th Conf. column %D (	ne PQL or RPD exceeds limit	

#### Life Science Laboratories, Inc.

**Analytical Results** 

StateCertNo: 10155

<b>5000 Britte</b>	onfield Parkway	, Suite 200
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#### East Syracuse, NY 13057 (315) 437-0200

CLIENT: O'Brien & Gere Engine Project: Geneva Foundry W Order: 0601049	ers, Inc.		Lab ID: Client Sa Collection	mple ID: Bl	<b>01049-</b> 7 <b>-34-</b> 5 11/06 1	5
Matrix: SOIL			Date Rec		12/06 7	
		·		- ·	12:00 )	
Inst. ID: MS03 10	Sample Size:		PrepDate		סרו	
ColumnID: Rtx-VMS Revision: 01/20/06 10:08:39 A	%Moisture:		BatchNo: FileID:			8237.D
	TestCode:	8260S TAGML				
Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyze
OLATILE ORGANIC COMPOUND	S BY GC/MS		8260B			
arbon disulfide	ND	3.1	0.07	µg/Kg-dry		01/17/06 14:48
arbon tetrachloride	ND	3.1	<b>0.14</b>	µg/Kg-dry		01/17/06 14:48
hlorobenzene	ND	3.1	0.11	µg/Kg-dry		01/17/06 14:48
chloroethane	ND	6.1	0.36	µg/Kg-dry		01/17/06 14:48
hloroform	ND	3.1	0.05	µg/Kg-dry		01/17/06 14:48
hloromethane	ND	6.1	0.47	µg/Kg-dry		01/17/06 14:48
is-1,2-Dichloroethene	ND	3.1	0.14	µg/Kg-dry		01/17/06 14:48
is-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry		01/17/06 14:48
libromochloromethane	ND	3.1	0.16	µg/Kg-dry		01/17/06 14:48
libromomethane	ND	3.1	0.14	µg/Kg-dry		01/17/06 14:48
ichlosodifluoromethane	ND	6.1	0.10	µg/Kg-dry		01/17/06 14:48
thylbenzene	ND	3.1	0.12	µg/Kg-dry		01/17/06 14:48
exachlorobutadiene	ND	6.1	0.48	µg/Kg-dry		01/17/06 14:48
opropylbenzene	ND	3.1	0.10	µg/Kg-dry		01/17/06 14:48
lethyl tert-butyl ether	NĎ	3.1	0.09	µg/Kg-dry		01/17/06 14:48
lethylene chloride	1.2 J	6.1	0.49	µg/Kg-dry		01/17/06 14:48
Butylbenzene	ND	3.1	0.15	µg/Kg-dry		01/17/06 14:48
-Propylbenzene	ND	3.1	0.11	µg/Kg-dry		01/17/06 14:48
aphthalene	ND	6.1	0.45	μ <b>g/Kg-dry</b>		01/17/06 14:48
-Isopropyttoluene	ND	3.1	0.11	µg/Kg-dry		01/17/06 14:48
ec-Butylbenzene	ND	3.1	0.16	µg/Kg-dry		01/17/06 14:48
tyrene	ND	3.1	0.12	µg/Kg-dry		01/17/06 14:48
ert-Butyibenzene	ND	3.1	0.16	µg/Kg-dry		01/17/06 14:48
etrachloroethene	ND	3.1	0.17	µg/Kg-dry		01/17/06 14:48
oluene	0.76 J	. 3.1	0.15	µg/Kg-dry		01/17/06 14:48
ans-1,2-Dichloroethene	ND	3.1	0.12	µg/Kg-dry		01/17/06 14:48
ans-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry		01/17/06 14:48
richloroethene	ND	3.1	0.14	µg/Kg-dry		01/17/06 14:48
richlorofluoromethane	ND	6.1	0.10	µg/Kg-dry		01/17/06 14:48
inyl chloride	ND	6.1	0.10	µg/Kg-dry		01/17/06 14:48
vienes (total)	ND	6.1	0.22	µg/Kg-dry	1	01/17/06 14:48
Surr: 1,2-Dichloroethane-d4	91.2	71-128	0.16	%REC	1	01/17/06 14:48
Surr: 4-Bromofluorobenzene	51.6 S	5 <del>9</del> -125	0.11	%REC .	1	01/17/06 14:48
Surr: Dibromofluoromethane	111	40-156	0.22	%REC	1	01/17/06 14:48
Surr: Toluene-d8	78.6	75-125	0.15	%REC	1	01/17/06 14:48
Qualifiers: B Analyte detected in the	e associated Metho	d Blank	E Value	exceeds the instr	ument cal	libration range
H Holding times for prep			J Analyt	e detected below	the POL	

Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200					Analytical Results			
East Syracuse, NY 13057 (315) 437-0200				StateCertNo: 10155				
CLIENT: O'Brien & Gere Engineers, Inc. Project: Geneva Foundry W Order: 0601049 Matrix: SOIL				Lab ID:         0601049-019A           Client Sample ID:         BH-34-S           Collection Date:         01/11/06 14:30           Date Received:         01/12/06 7:50				
Inst. ID: ColumnID: Revision:	MS03 10 Rtx-VMS 01/20/06 9:58:03 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:	R42	263 A-J827	6.D	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed	
VOLATILE	DRGANIC COMPOUNI	S BY GC/MS	SW	8260B				
1,1,1,2-Tetrac	'	ND	3.1	0.14	µg/Kg-dry	1 .	01/19/06 14:41	
1,1,1-Trichloroethane		ND	3.1	0.12	µg/Kg-dry		01/19/06 14:41	
1,1,2,2-Tetrachloroethane		ND	3.1	0.20	µg/Kg-dry		01/19/06 14:41	
1,1,2-Trichloro	<b>⊢1,2,2-</b>	ND	3.1	0.12	µg/Kg-dry	1 -	01/19/06 14:41	
1,1,2-Trichloroethane		ND	· · · <b>3.1</b> · · ·	0.14	□ µg/Kg-dry	1	01/19/06 14:41	
1,1-Dichloroethane		ND	3.1	0.12	µg/Kg-dry	<b>1</b> '	01/19/06 14:41	
1,1-Dichloroethene		ND	3.1	0.17	µg/Kg-dry	i	01/19/06 14:41	
1,1-Dichloropropene		ND	3.1 <sup>.</sup>	0.12	µg/Kg-dry	1	01/19/06 14:41	
1,2,3-Trichlorobenzene		ND	6.1	0.61	µg/Kg-dry	1	01/19/06 14:41	
1,2,3-Trichloropropane		ND	3.1	0.21	µg/Kg-dry	1	01/19/06 14:41	
1,2,4-Trichlorobenzene		ND	6.1	0.42	µg/Kg-dry	1	01/19/06 14:41	
1,2,4-Trimethylbenzene		ND	3.1	0.14	µg/Kg-dry	ຸ1	01/19/06 14:41	
1,2-Dibromo-3-chloropropane		ND	6.1	0.49	µg/Kg-dry	1	01/19/06 14:41	
1,2-Dibromoethane		ND ·	3.1	0.11	µg/Kg-dry	1	01/19/06 14:41	
1,2-Dichlorobenzene		ND	3.1	0.11	µg/Kg-dry	1	01/19/06 14:41	
1,2-Dichloroethane		ND	3.1	0.12	µg/Kg-dry	1	01/19/06 14:41	
1,2-Dichloropropane		ND	3.1	0.10	µg/Kg-dry	1	01/19/06 14:41	
1,3,5-Trimethylbenzene		ND	3.1	0.11	µg/Kg-dry	1	01/19/06 14:41	
1,3-Dichlorobenzene		ND	3.1	0.12	µg/Kg-dry	1	01/19/06 14:41	
1,3-Dichloropropane		ND	3.1	0.10	µg/Kg-dry		01/19/06 14:41	
1,4-Dichlorobenzene		ND	3.1	0.16	µg/Kg-dry		01/19/06 14:41	
2,2-Dichloropropane		ND	3.1	0.11	µg/Kg-dry		01/19/06 14:41	
2-Butanone		ND	<b>12</b>	0.17	µg/Kg-dry		01/19/06 14:41	
2-Chlorotoluene		ND	3.1	0.09	µg/Kg-dry		01/19/06 14:41	
2-Hexanone		ND	<b>6.1</b>	0.27	µg/Kg-dry		01/19/06 14:41	
4-Chiorotoluene		ND	3.1	0.20	µg/Kg-dry		01/19/06 14:41	
4-Methyl-2-pentanone		ND	6.1	0.2 <del>9</del>	µg/Kg-dry	•	01/19/06 14:41	
Acetone		2.2 J	12	0.48	µg/Kg-đry	1	01/19/06 14:41	

. **P** ND Not Detected at the Practical Quantitation Limit (PQL)

Spike Recovery outside accepted recovery limits S

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

ND

ND

ND

ND

ND

ND

3.1

3.1

3.1

3.1

3.1

6.1

Analyte detected below the PQL Prim/Conf. column %D or RPD exceeds limit

µg/Kg-dry 1

µg/Kg-dry 1

µg/Kg-dry 1

µg/Kg-dry 1

µg/Kg-dry 1

µg/Kg-dry 1

Value exceeds the instrument calibration range

01/19/06 14:41

01/19/06 14:41

01/19/06 14:41

01/19/06 14:41

01/19/06 14:41

01/19/06 14:41

В

Н

Benzene

Bromobenzene

Bromoform

Bromomethane

Qualifiers:

Bromochloromethane

Bromodichloromethane

0.11

0.16

0.20

0.10

0.07

0.37

Έ

J

**Analytical Results** 

CLIENT: O'Brien & Gere Eng Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	incers, Inc.	• • *	Client Collec	Lab ID:         0601049-019A           Client Sample ID:         BH-34-S           Collection Date:         01/11/06 14:30           Date Received:         01/12/06 7:50			
nst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:03 A	Sample Size: %Moisture: TestCode:	_	PrepD Batch FileID	No: R4263	D		
Analyte	Result Qua	al PQL	MDL	Units DF	Date Analyze		
OLATILE ORGANIC COMPOUN	IDS BY GC/MS	SW	8260B	•			
Carbon disulfide	ND	<b>3.1</b>	0.07	µg/Kg-dry 1	01/19/06 14:41		
arbon tetrachloride	ND	3.1	0.14	µg/Kg-dry 1	01/19/06 14:41		
Chlorobenzene	ND	3.1	0.11	µg/Kg-dry 1	01/19/06 14:41		
Chloroethane	ND	6.1	0.36	μg/Kg-dry 1	01/19/06 14:41		
Chioroform	ND	3.1	0.05	µg/Kg-dry 1	01/19/06 14:41		
hioromethane	ND	6.1	0.47	µg/Kg-dry 1	01/19/06 14:41		
is-1,2-Dichloroethene	ND	- 3.1	0.14	µg/Kg-dry 1	01/19/06 14:41		
is-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry 1 ∘	01/19/06 14:41		
ibromochioromethane	ND	3.1	0.16	µg/Kg-dry 1	01/19/06 14:41		
ibromomethane	ND	3.1	0.14	µg/Kg-dry 1	01/19/06 14:41		
ichlorodifluoromethane	ND	6.1	0.10	µg/Kg-dry 1	01/19/06 14:41		
thylbenzene	ND	3.1	0.12	µg/Kg-dry 1	01/19/06 14:41		
exachlorobutadiene	ND	6.1	0.48	µg/Kg-dry 1	01/19/06 14:41		
opropylbenzene	· ND	3.1	0.10	µg/Kg-dry 1	01/19/06 14:41		
lethyl tert-butyl ether	ND	3.1	0.09	µg/Kg-dry 1	01/19/06 14:41		
lethylene chloride	2.5 J	6.1	0.49	µg/Kg-dry 1	01/19/06 14:41		
-Butylbenzene	ND	3.1	0.15	µg/Kg-dry 1	01/19/06 14:41		
-Propylbenzene	ND	3.1	0.11	µg/Kg-dry 1	01/19/06 14:41		
laphthalene	ND	6.1	0.45	µg/Kg-dry 1	01/19/06 14:41		
-Isopropyitoluene	ND	3.1	0.11	µg/Kg-dry 1	01/19/06 14:41		
ec-Butylbenzene	ND	3.1	0.16	µg/Kg-dry 1	01/19/06 14:41		
ityrene	ND	3.1	0.12	µg/Kg-dry 1	01/19/06 14:41		
ert-Butylbenzene	ND	3.1	0.16	µg/Kg-dry 1	01/19/06 14:41		
etrachlomethene	ND	3.1	0.17	µg/Kg-dry 1	01/19/06 14:41		
oluene	0.66 J	3.1	0.15	μg/Kg-dry 1	01/19/06 14:41		
rans-1,2-Dichloroethene	ND	3.1	0.12	µg/Kg-dry 1	01/19/06 14:41		
rans-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry 1	01/19/06 14:41		
inchloroethene	ND	3.1	0.14	µg/Kg-dry 1	01/19/06 14:41		
richlorofluoromethane	ND	6.1	0.10	μg/Kg-dry 1	01/19/06 14:41		
/inyl chloride	ND	6.1	0.10	µg/Kg-dry 1	01/19/06 14:41		
(yienes (total)	ND	6.1	0.22	µg/Kg-dry 1	01/19/06 14:41		
Surr. 1,2-Dichloroethane-d4	69.3	71-128	0.16	%REC 1	01/19/06 14:41		
Sur: 4-Bromofluorobenzene	50.9 S	59-125	0.11	%REC 1	01/19/06 14:41		
Sur. Dibromofluoromethane	110	40-156	0.22	%REC 1	01/19/06 14:41		
Sum Toluene-d8	79.9	75-125	0.15	%REC 1	01/19/06 14:41		
Quanners.	n the associated Metho			alue exceeds the instrument calil nalyte detected below the PQL	bration range		
ND Not Detected at th	preparation or analysis e Practical Quantitation stside accepted recover	n Limit (PQL)		rim./Conf. column %D or RPD e	xceeds limit		

Print Date: 01/20/06 10:10

**Analytical Results** 

Project: Geneva Four W Order: 0601049 Matrix: SOIL	• •		Lab ID:         0601049-020A           Client Sample ID:         BH-34-D           Collection Date:         01/11/06 14:40           Date Received:         01/12/06 7:50			
nst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:3	Sample Size %Moisture: 0:18 P TestCode:	_	PrepDate: BatchNo: FileID:	R42 1-SA	49 AMP-J825	4.D
Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyza
OLATILE ORGANIC CO	MPOUNDS BY GC/MS	SW	8260B			
,1,1,2-Tetrachloroethane	ND	2.7	0.12	µg/Kg-dry	1	01/18/06 12:28
,1,1-Trichioroethane	ND	2.7	0.11	µg/Kg-dry	1	01/18/06 12:28
,1,2,2-Tetrachloroethane	ND	2.7	0.17	µg/Kg-dry	1	01/18/06 12:28
,1,2-Trichioro-1,2,2- ifluoroethane	ND	2.7	0.11	µg/Kg-dry	1.	01/18/06 12:28
1,2-Trichloroethane	ND	2.7	0.12	µg/Kg-dry	1	01/18/06 12:28
1-Dichloroethane	ND	2.7	0.11	µg/Kg-dry		01/18/06 12:28
,1-Dichloroethene	ND	2.7	0.15	µg/Kg-dry		01/18/06 12:28
.1-Dichloropropene	ND	2.7	0.11	µg/Kg-dry		01/18/06 12:28
2,3-Trichlorobenzene	ND	5.4	0.54	µg/Kg-dry	1	01/18/06 12:28
,2,3-Trichloropropane	ND	2.7	0.18	µg/Kg-dry		01/18/06 12:28
,2,4-Trichlorobenzene	ND	5.4	0.37	µg/Kg-dry		01/18/06 12:28
2,4-Trimethylbenzene	1.4 J	2.7	0.12	µg/Kg-dry		01/18/06 12:28
,2-Dibromo-3-chloropropane	ND	5.4	0.43	µg/Kg-dry		01/18/06 12:28
,2-Dibromoethane	ND	2.7	0.10	µg/Kg-dry		01/18/06 12:28
,2-Dichiorobenzene	ND	2.7	0.10	µg/Kg-dry		01/18/06 12:28
,2-Dichloroethane	ND	2.7	0.11	µg/Kg-dry		01/18/06 12:28
,2-Dichloropropane	ND	2.7	0.09	µg/Kg-dry		01/18/06 12:28
,3,5-Trimethylbenzene	4.0	2.7	0.10	µg/Kg-dry		01/18/06 12:28
,3-Dichlorobenzene	ND	2.7	0.11	µg/Kg-dry		01/18/06 12:28
,3-Dichloropropane	ND	2.7	0.09	µg/Kg-dry		01/18/06 12:28
,4-Dichlorobenzene	ND	2.7	0.14	µg/Kg-dry		01/18/06 12:28
,2-Dichloropropane	· ND	2.7	0.10	µg/Kg-dry		01/18/06 12:28
-Butanone	ND	11	0.15	µg/Kg-dry		01/18/06 12:28
-Chlorotoluene	ND	2.7	0.08	µg/Kg-dry		01/18/06 12:28
-Hexanone	ND	5.4	0.24	µg/Kg-dry		01/18/06 12:28
-Chiorotoluene	ND	2.7	0.17	µg/Kg-dry		01/18/06 12:28
-Methyl-2-pentanone	ND	5.4	0.26	µg/Kg-dry		01/18/06 12:28
cetone	1.3 J	11	0.42	µg/Kg-dry		01/18/06 12:28
Benzene	ND	2.7	0.10	µg/Kg-dry		01/18/06 12:28
Bromobenzene	ND	2.7	0.16	µg/Kg-dry		01/18/06 12:28
Bromochloromethane	ND	2.7	0.17	µg/Kg-dry		01/18/06 12:28
Bromodichloromethane	ND	2.7	0.09	µg/Kg-dry		01/18/06 12:28
Bromoform	· ND	2.7	0,07	µg/Kg-dry		01/18/06 12:28
Bromomethane	ND	5.4	0.33	µg/Kg-dry	1	01/18/06 12:28
Qualifiers: B Analyte	detected in the associated Meth	od Blank		ceeds the instru		ation range
H Holding	times for preparation or analysi	is exceeded	J Analyte	detected below	the PQL	•
ND Not Dete	cted at the Practical Quantitation	on Limit (PQL)	P Prim./C	o <mark>nf. column %</mark> I	) or RPD exc	ceds limit

Print Date: 01/20/06 10:10

LSL 5000 Brittonfield Parky East Syracuse, NY 130		) 437-0200		StateCertNo	: 10155	
CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601049	eers, Inc.		Clier Colle	Lab ID:         0601049-020A           Client Sample ID:         BH-34-D           Collection Date:         01/11/06 14:40		
Matrix: SOIL			Date	Received: 01/12/06 7:	50	
nst. ID: MS03 10	Sample Size	: 4.99 g	Prep	Date:		
ColumnID: Rtx-VMS	%Moisture:	8.0	Bate	hNo: R4249		
Revision: 01/19/06 2:30:18 P	TestCode:	8260S TAGML	FileI	D: 1-SAMP-J8	254.D	
Inalyte	Result Qu	al PQL	MDL	. Units DF	Date Analyze	
OLATILE ORGANIC COMPOUND	S BY GC/MS	sw	8260B			
Carbon disulfide	ND	2.7	0.07	µg/Kg-dry 1	01/18/06 12:28	
arbon tetrachloride	ND	2.7	0.12	µg/Kg-dry 1	01/18/06 12:28	
hlorobenzene	ND	2.7	0.10	µg/Kg-dry 1	01/18/06 12:28	
Chloroethane	ND	5.4	0.32	µg/Kg-dry 1	01/18/06 12:28	
hioroform	ND	2.7	0.04	µg/Kg-dry 1	01/18/06 12:28	
hloromethane	ND	5.4	0.41	µg/Kg-dry 1	01/18/06 12:28	
is-1,2-Dichloroethene	ND	2.7	0.12	µg/Kg-dry 1	01/18/06 12:28	
is-1,3-Dichloropropene	ND	2.7	0.10	µg/Kg-dry 1	01/18/06 12:28	
ibromochloromethane	ND	2.7	0.14	µg/Kg-dry 1	01/18/06 12:28	
bromomethane	ND	2.7	0.12	· μg/Kg-dry 1	01/18/06 12:28	
ichloredifluoremethane	ND	5.4	0.09	µg/Kg-dry 1	01/18/06 12:28	
thvibenzene	ND	2.7	0.11	µg/Kg-dry 1	01/18/06 12:28	
exachlorobutadiene	ND	5.4	0.42	yg/Kg-dry 1	01/18/06 12:28	
opropylbenzene	ND	2.7	0.09	µg/Kg-dry 1	01/18/06 12:28	
fethyl tert-butyl ether	ND	2.7	80.0	µg/Kg-dry 1	01/18/06 12:28	
lethylene chloride	8.0	5.4	0.43	µg/Kg-dry 1	01/18/06 12:28	
-Butylbenzene	ND	2.7	0.13	µg/Kg-dry 1	01/18/06 12:28	
-Propylbenzene	ND	2.7	0.10	µg/Kg-dry 1	01/18/06 12:28	
laphthalene	1.3 J	5.4	0.40	µg/Kg-dry 1	01/18/06 12:28	
Isopropyitoluene	ND	2.7	0.10	µg/Kg-dry 1	01/18/06 12:28	
ec-Butylbenzene	ND	2.7	0.14	µg/Kg-dry 1	01/18/06 12:28	
tyrene	ND	2.7	0.11	µg/Kg-dry 1	01/18/06 12:28	
ert-Butylbenzene	ND	2.7	0.14	µg/Kg-dry 1	01/18/06 12:28	
etrachloroethene	ND	2.7	0.15	µg/Kg-dry 1	01/18/06 12:28	
oluene	ND	2.7	0.13	µg/Kg-dry 1	01/18/06 12:28	
ans-1,2-Dichloroethene	ND	2.7	0.11	µg/Kg-dry i	01/18/06 12:28	
ans-1,3-Dichloropropene	ND	2.7	0.10	µg/Kg-dry 1	<b>01/18/06 12:28</b>	
richloroethene	ND	2.7	0.12	µg/Kg-dry 1	01/18/06 12:28	
richlorofluoromethane	ND	5.4	0.09	µg/Kg-dry 1	01/18/06 12:28	
înyt chloride	ND	5.4	0.09	µg/Kg-dry 1	01/18/06 12:28	
ylenes (total)	· ND	5.4	0.20	µg/Kg-dry 1	01/18/06 12:28	
Surr: 1,2-Dichloroethane-d4	86.7	71- <b>128</b>	0.14	%REC 1	01/18/06 12:28	
Surr: 4-Bromofluorobenzene	61.2	59-125	0.10	%REC 1	01/18/06 12:28	
Surr. Dibromofluoromethane	100	40-156	0.20	%REC 1	01/18/06 12:28	
Surr: Toluene-d8	87.3	75-125	0.13	%REC 1	01/18/06 12:28	
Qualifiers: B Analyte detected in t	he associated Meth	od Blank	E	Value exceeds the instrument cali	bration range	
H Holding times for pr	eparation or analys	is exceeded		Analyte detected below the PQL	н	
ND Not Detected at the l			• <b>P</b>	Prim /Conf. column %D or RPD	waaada limit	

**Analytical Results** 

ColumnID: R Revision: 0 Inalyte	Al/20/06 9:58:03 A RGANIC COMPOUND proethane hane proethane ,2,2- hane ne	Sample Size: %Moisture: TestCode: Result Qu S BY GC/MS ND ND ND ND	8.0 8260S TAGML al PQL	<b>MDL</b> /8260B 0.12		7.D Date Analyze
OLATILE OR 1,1,2-Tetrachic 1,1-Trichloroett 1,2,2-Tetrachic 1,2-Trichloro-1 ifluoroethane 1,2-Trichloroetha 1-Dichloroetha 1-Dichloroethe 1-Dichloroprop 2,3-Trichlorobe 2,3-Trichloropr	proethane hane proethane ,2,2- hane ne	S BY GC/MS ND ND ND	SW 2.7 2.7	<b>/8260B</b> 0.12		Date Analyze
1,1,2-Tetrachic 1,1-Trichloroeti 1,2-Trichloro-1 ifluoroethane 1,2-Trichloroethane 1,2-Trichloroetha 1-Dichloroethe 1-Dichloroethe 1-Dichloroprop 2,3-Trichloropr	proethane hane proethane ,2,2- hane ne	ND ND ND	2.7 2.7	0.12	ua/Ka-dry 1	
1,1-Trichloroet 1,2,2-Tetrachlor 1,2-Trichloro-1 ifluoroethane 1,2-Trichloroetha 1-Dichloroetha 1-Dichloropthe 1-Dichloroppo 2,3-Trichlorope	hane proethane ,2,2- hane ne	ND ND	2.7		ua/Ka-dry 1	
1,2,2-Tetrachic 1,2-Trichloro-1 ifluoroethane 1,2-Trichloroetha 1-Dichloroetha 1-Dichloroethe 1-Dichloroprop 2,3-Trichlorobe 2,3-Trichloropr	proethane ,2,2- hane ne	ND			10''' B''''	01/19/06 15:16
1,2-Trichloro-1 ifluoroethane 1,2-Trichloroetha 1-Dichloroetha 1-Dichloroprop 2,3-Trichloroprop 2,3-Trichloropr	,2,2- hane ne		2.7	0.11	µg/Kg-dry 1	01/19/06 15:16
ifiuoroethane ,1,2-Trichloroeth ,1-Dichloroetha ,1-Dichloroethe ,1-Dichloroprop ,2,3-Trichlorobe ,2,3-Trichloropr	hane ne	ND		0.17	µg/Kg-dry 1	01/19/06 15:16
1-Dichloroetha 1-Dichloroethe 1-Dichloroprop 2,3-Trichlorobe 2,3-Trichloropr	ne		2.7	0.11	µg/Kg-dry 1	01/19/06 15:16
,1-Dichloroethe ,1-Dichloroprop ,2,3-Trichlorobe ,2,3-Trichloropr		ND	2.7	0.12	µg/Kg-dry 1	01/19/06 15:16
,1-Dichloroprop ,2,3-Trichlorobe ,2,3-Trichloropr		ND	2.7	0.11	µg/Kg-dry 1	01/19/06 15:16
,2,3-Trichlorobe ,2,3-Trichloropr		ND	2.7	0.15	µg/Kg-dry 1	01/19/06 15:16
,2,3-Trichloropr	ene	ND	2.7	0.1 <b>1</b>	µg/Kg-dry 1	01/19/06 15:16
•	onzene	ND	5.4	0.54	µg/Kg-dry 1	01/19/06 15:16
2.4-Trichlombs	opane	ND	2.7	0.18	µg/Kg-dry 1	01/19/06 15:16
2, <del>4</del> -110000000	enzene	ND	5.4	0.37	µg/Kg-dry 1	01/19/06 15:16
,2,4-Trimethylb	enzene	1.3 J	2.7	0.12	µg/Kg-dry 1	01/19/06 15:16
,2-Dibromo-3-cl	hloropropane	ND	5.4	0.43	µg/Kg-dry 1	01/19/06 15:16
,2-Dibromoetha	ne ·	ND	2.7	0.10	µg/Kg-dry 1	01/19/06 15:16
2-Dichlorobenz	zene	ND	2.7	0.10	µg/Kg-dry 1	01/19/06 15:16
2-Dichloroetha	· · · · ·	ND	2.7	0.11	µg/Kg-dry 1	01/19/06 15:16
,2-Dichloroprop		ND	2.7	0.09	µg/Kg-dry 1	01/19/06 15:16
,3,5-Trimethylb	enzene	3.7	2.7	0.10	µg/Kg-dry 1	01/19/06 15:16
3-Dichlorobenz	zene	ND	2.7	0.11	µg/Kg-dry 1	01/19/06 15:18
,3-Dichloroprop	апе	ND	2.7	0.09	µg/Kg-dry 1	01/19/06 15:16
4-Dichlorobenz	zene	ND	2.7	0.14	µg/Kg-dry 1	01/19/06 15:16
2-Dichioroprop	ane	ND	2.7	0.10	µg/Kg-dry 1	01/19/06 15:16
-Butanone	• * *	ND	11	0.15	µg/Kg-dry 1	01/19/06 15:16
-Chlorotoluene		ND	2.7	0.08	µg/Kg-dry 1	01/19/06 15:16
-Hexanone	· .	ND	5.4	0.24	µg/Kg-dry 1	01/19/06 15:16
-Chiorotoluene		ND	2.7	0.17	µg/Kg-dry 1	01/19/06 15:16
-Methyl-2-penta	anone	ND	5.4	0.26	µg/Kg-dry 1	01/19/06 15:16
cetone		1.5 J	11	0.42	µg/Kg-dry 1	01/19/06 15:16
enzene		ND	2.7	0.10	µg/Kg-dry 1	01/19/06 15:16
romobenzene		ND	2.7	0.16	µg/Kg-dry 1	01/19/06 15:16
romochloromet		ND	2.7	0.17	µg/Kg-dry 1	01/19/06 15:16
romodichlorom	lethane	ND	2.7	0.09	µg/Kg-dry 1	01/19/06 15:16
romoform	· · ·	ND	2.7	0.07	µg/Kg-dry 1	01/19/06 15:16
romomethane		ND	5.4	0.33	µg/Kg-dry 1	01/19/06 15:16
Qualifiers:	B Analyte detected in the	e associated Metho	od Blank	E Value	exceeds the instrument cal	ibration range
Contracta:	H Holding times for pre				e detected below the PQL	_
	ND Not Detected at the P			P Prim./(	-	

LSL	ast Syracuse, NY 130	57 (315)	437-0200		StateCertNo	: 10155	
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.	· · · · · · · · · · · · · · · · · · ·	Client Collec	Lab ID:         0601049-020A           Client Sample ID:         BH-34-D           Collection Date:         01/11/06 14:40           Date Received:         01/12/06 7:50		
inst. ID: ColumnID: Revision:	MS03 10 Rtx-VMS 01/20/06 9:58:03 A	Sample Size %Moisture: TestCode:		PrepI Batch FileII	No: R4263	.D	
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed	
<b>VOLATILE</b>	DRGANIC COMPOUND	S BY GC/MS	SW	8260B			
arbon disulfi	de	ND	2.7	0.07	µg/Kg-dry 1	01/19/06 15:16	
arbon tetrac	hioride	ND	2.7	0.12	µg/Kg-dry 1	01/19/06 15:16	
hlorobenzen		ND	2.7	0.10	µg/Kg-dry 1	01/19/06 15:16	
hloroethane		ND	5.4	0.32	µg/Kg-dry 1	01/19/06 15:16	
hloroform		ND	2.7	0.04	µg/Kg-dry 1	01/19/06 15:16	
hloromethan	e	ND	5.4	0.41	µg/Kg-dry 1	01/19/06 15:16	
is-1,2-Dichlo	roethene	ND	2.7	0.12	µg/Kg-dry 1	01/19/06 15:16	
s-1,3-Dichlo	ropropené	ND	2.7	0.10	µg/Kg-dry 1	01/19/06 15:16	
ibromochloro	omethane	ND	2.7	0.14	µg/Kg-dry 1	01/19/08 15:16	
ibromometh	ane	ND	2.7	0.12	µg/Kg-dry 1	01/19/06 15:16	
ichlorodifluo	romethane	ND	5.4	0.09	μg/Kg-dry 1	01/19/06 15:16	
thylbenzene	· · · ·	ND	2.7	0.11	µg/Kg-dry 1	01/19/06 15:16	
exachlorobu	tadiene	ND	5.4	0.42	µg/Kg-dry 1	01/19/06 15:16	
opropylbenz	ene	ND	2.7	0.09	µg/Kg-dry 1	01/19/06 15:16	
lethyl tert-bu	tyl ether	ND	<b>2.7</b>	0.08	µg/Kg-dry 1	01/19/06 15:16	
lethylene chi	oride	2.2 J	5.4	0.43	µg/Kg-dry 1	01/19/06 15:16	
-Butylbenzer	18	ND -	2.7	0.13	µg/Kg-dry 1	01/19/06 15:16	
-Propylbenze	ene	ND	2.7	0.10	µg/Kg-dry 1	01/19/06 15:16	
laphthalene		1.3 J	5.4	0.40	µg/Kg-dry 1	01/19/06 15:16	
-lsopropyitol	uene	ND	2.7	0.10	µg/Kg-dry 1	01/19/06 15:16	
ec-Butylbenz	ene	ND	2.7	0.14	µg/Kg-dry 1	01/19/06 15:16	
ityrene		ND	2.7	0.11	µg/Kg-dry 1	01/19/06 15:16	
ert-Butylbenz	ene	ND	2.7	0.14	µg/Kg-dry 1	01/19/06 15:16	
etrachloroet	nene	ND	2.7	0.15	µg/Kg-dry 1	01/19/06 15:16	
oluene		ND	2.7	0.13	μg/Kg-dry 1	01/19/06 15:16	
rans-1,2-Dict	loroethene	ND	2.7	0.11	µg/Kg-dry 1	01/19/06 15:16	
rans-1,3-Dicł	loropropene	ND	2.7	0.10	µg/Kg-dry 1	01/19/06 15:16	
richioroether	10	ND	2.7	0.12	μg/Kg-dry 1	01/19/06 15:16	
richiorofluor	omethane	ND	5.4	0.09	µg/Kg-dry 1	01/19/06 15:16	
<b>inyl chloride</b>		ND	5.4	0.09	µg/Kg-dry 1	01/19/06 15:16	
ylenes (total	)	ND	5.4	0.20	μg/Kg-dry 1	01/19/06 15:16	
-	ichloroethane-d4	87.6	71-128	0.14	%REC 1	01/19/06 15:16	
Surr: 4-Bro	mofluorobenzene	63.0	59-125	0.10	%REC 1	01/19/06 15:16	
Surr: Dibro	mofluoromethane	101	40-156	0.20	%REC 1	01/19/06 15:16	
Surr: Tolue	ne-d8	88.5	75-125	0.13	%REC 1	01/19/06 15:16	
Qualifiers:	B Analyte detected in t	he associated Meth	od Blank		alue exceeds the instrument cali	bration range	
	H Holding times for pro	paration or analys	is exceeded	•	analyte detected below the PQL		
	ND Not Detected at the I	ractical Ouantitati	on Limit (POL)	P P	rim./Conf. column %D or RPD (	exceeds limit	

# Life Science Laboratories, Inc.

**Analytical Results** 

CLIENT: Project: V Order: Aatrix:	O'Brien & Gere Engine Geneva Foundry 0601050 SOIL	ers, Inc.	. · ·	Lab ID:         0601050-001A           Client Sample ID:         BH-37           Collection Date:         01/11/06 8:30           Date Received:         01/12/06 0:00			:30
nst. ID: ColumnID: Revision:	MS03 10 Rtx-VMS 01/20/06 10:08:39 A	Sample Size: %Moisture: TestCode:		PrepD Batch FileID	No: R4	228 SAMP-J8	3239.D
nalyte		Result Qu	al PQL	MDL	Units	DF	Date Analyze
OLATILE C	RGANIC COMPOUND	S BY GC/MS		8260B			
,1,1,2-Tetracl	hloroethane	ND	3,0	0.13	µg/Kg-dry		01/17/06 15:58
1,1-Trichloro	ethane	: ND	3.0	0.12	µg/Kg-dry		01/17/08 15:58
1,2,2-Tetrac	hloroethane	ND	3.0	0.19	µg/Kg-dry		01/17/06 15:58
1,2-Trichloro		ND	3.0	0.12	μg/Kg-dry		01/17/06 15:58
,1,2-Trichloro	ethane	ND	3.0	0.13	µg/Kg-dry		01/17/06 15:58
1-Dichloroet	nane	ND	3.0	0.12	µg/Kg-dry		01/17/06 15:58
1-Dichloroet	hene	ND	3.0	0.17	µg/Kg-dry		01/17/06 15:58
1-Dichloropr	•	ND	3.0	0.12	µg/Kg-dry		01/17/06 15:58 01/17/06 15:58
2,3-Trichloro	benzene	ND	6.0	0.60	µg/Kg-dry		01/17/06 15:58
2,3-Trichloro		ND	3.0	0.20	µg/Kg-dry		01/17/06 15:58
2,4-Trichlord		ND	6.0	0.40	µg/Kg-dŋ ∵a∕Ka da		01/17/06 15:58
2,4-Trimethy		ND	3.0	0.13	µg/Kg-drj ∵afKa da		01/17/06 15:58
-	-chloropropane	ND	6.0	0.48	µg/Kg-dry		01/17/06 15:58
,2-Dibromoel		ND	3.0	0.11	µg/Kg-dŋ ua∕Ka da		01/17/06 15:58
2-Dichlorobe	and the second se	ND	3.0	0.11	µg/Kg-dŋ ug/Kg-dŋ		01/17/06 15:58
,2-Dichloroet		ND	3.0	0.12	µg/Kg-drj ug/Kg-drj		01/17/06 15:58
,2-Dichloropt	•	ND	3.0	0.10	µg/Kg-drj µg/Kg-drj		01/17/06 15:58
,3,5-Trimethy		· ND	3.0	0.11	µg/Kg-dr µg/Kg-dr	-	01/17/06 15:58
,3-Dichlorobe		ND	3.0	0.12	µg/Kg-drj ug/Kg-drj		01/17/06 15:58
,3-Dichlorop	•	ND	3.0	0.10	µg/Kg-dr		01/17/06 15:58
,4-Dichlorobe		ND	3.0	0.15	µg/Kg-dr ug/Kg-dr		01/17/06 15:58
2,2-Dichlorop	opane	ND .	3.0	0.11	µg/Kg-dr		01/17/06 15:58
2-Butanone		ND	12	0.17	µg/Kg-dr ug/Kg-dr		01/17/06 15:58
2-Chlorotolue	ne	ND	3.0	0.08	µg/Kg-dr		01/17/06 15:58
2-Hexanone	н 	ND	6.0	0.26	µg/Kg-dr µg/Kg-dr		01/17/06 15:58
-Chlorotolue		ND	3.0	0.19	µg/Kg-dr µg/Kg-dr		01/17/06 15:58
-Methyl-2-pe	ntanone	ND	6.0	0.29	µg/Kg-dr		01/17/06 15:58
Acetone	۰.	2.9 J	12	0.46	µg/Kg-dr µg/Kg-dr		01/17/06 15:58
Benzene	•	ND	3.0	0.11	µg/Kg-di µg/Kg-di		01/17/06 15:58
Bromobenzer		ND	3.0	0.18			01/17/06 15:58
Bromochloror		ND	3.0	0.19	μg/Kg-di μg/Kg-di		01/17/06 15:58
Bromodichion	omethane	ND	3.0	0.10	µg/Kg-di µg/Kg-di		01/17/06 15:58
Bromoform		ND	3.0	0.07			01/17/06 15:58
Bromometha		ND	6.0	0.36	µg/Kg-di	iy i	01/17/00 13:30
Qualifiers:	B Analyte detected in t	he associated Metl	nod Blank		Value exceeds the ins		
Ananticis;	H Holding times for pr				Analyte detected belo		
· .	ND Not Detected at the H			РИ	Prim./Conf. column 9	%D or RPI	O exceeds limit

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601050 SOIL			Collecti Date Re	Sample ID:         BH-37           tion Date:         01/11/06 8:30           teceived:         01/12/06 0:00			
Inst. ID: ColumnID: Revision:	MS03 10 Rtx-VMS 01/20/06 10:08:39 A	Sample Size: %Moisture: TestCode:		PrepDa BatchNo FileID:	o: R4228	R4228 1-SAMP-J8239.D		
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qua	d PQL	MDL	Units DF	Date Analyzed		
		S BY GC/MS	sw	8260B				
Carbon disulfic	le	ND	3.0	0.07	µg/Kg-dry 1	01/17/06 15:58		
Carbon tetrach	lloride	ND	3.0	0.13	µg/Kg-dry 1	01/17/06 15:58		
Chlorobenzene	•	ND	3.0	0.11	µg/Kg-dry 1	01/17/06 15:58		
Chloroethane		ND	6.0	0.35	µg/Kg-dry 1	01/17/06 15:58		
Chloroform		ND	3.0	0.05	µg/Kg-dry 1	01/17/06 15:58		
Chloromethan	-	ND	6.0	0.45	µg/Kg-dry 1	01/17/06 15:58		
is-1,2-Dichlor		ND	3.0	0.13	µg/Kg-dry 1	01/17/06 15:58		
is-1,3-Dichlor	• •	ND	3.0	0.11	µg/Kg-dry 1	01/17/06 15:58		
Dibromochloro		ND ·	3.0	0.15	µg/Kg-dry 1	01/17/06 15:58		
Dibromometha		ND	3.0	0.13	µg/Kg-dry 1	01/17/06 15:58		
Dichlorodifluor	omethane	ND	6.0	0.10	µg/Kg-dry 1	01/17/06 15:58		
thylbenzene	•	ND	3.0	0.12	µg/Kg-dry 1	01/17/06 15:58		
lexachlorobut		ND	6.0	0.46	µg/Kg-dry 1	01/17/06 15:58		
sopropylbenze		ND	3.0	0.10	µg/Kg-dry 1.	01/17/06 15:58		
lethyl tert-but		: ND	3.0	0.08	µg/Kg-dry 1	01/17/06 15:58		
lethylene chlo		ND	6.0	0.48	µg/Kg-dry 1	01/17/06 15:58		
n-Butylbenzen		ND	3.0	0.14	µg/Kg-dry 1	01/17/06 15:58		
I-Propylbenze	ne	ND	3.0	0.11	μg/Kg-dry 1	01/17/06 15:58		
laphthalene		ND	6.0	0.44	µg/Kg-dry 1	01/17/06 15:58		
-Isopropyltolu	•	ND	3.0	0.11	µg/Kg-dry 1	01/17/06 15:58		
ec-Butylbenzo	ene	ND	3.0	0.15	µg/Kg-dry 1	01/17/06 15:58		
Styrene	·	. ND	3.0	0.12	µg/Kg-dry 1	01/17/06 15:58		
ert-Butylbenze	ene	ND	3.0	0.15	µg/Kg-dry 1	01/17/06 15:58		
etrachloroeth	ene	ND	3.0	0.17	µg/Kg-dry 1	01/17/06 15:58		
Toluene		ND	3.0	0.14	µg/Kg-dry 1	01/17/06 15:58		
rans-1,2-Dichl		ND	3.0	0.12	µg/Kg-dry 1	01/17/06 15:58		
rans-1,3-Dichi	oropropene	ND	3.0	0.11	μg/Kg-dry 1	01/17/06 15:58		
richloroethen	e ·	ND	3.0	0.13	µg/Kg-dry 1	01/17/06 15:58		
richlorofluoro	methane	ND	6.0	0.10	µg/Kg-dry 1	01/17/06 15:58		
inyl chloride/		ND	6.0	0.10	µg/Kg-dry 1	01/17/06 15:58		
(ylenes (total)		ND	6.0	0.21	µg/Kg-dry 1	01/17/06 15:58		
Surr: 1,2-Di	chloroethane-d4	88.6	71-128	0.15	%REC 1	01/17/06 15:58		
Surr: 4-Bror	nofluorobenzene	60.5	59-125	0.11	%REC 1	01/17/06 15:58		
Surr: Dibron	nofluoromethane	104	40-156	0.21	%REC 1	01/17/06 15:58		
Surr: Toluer	ne-d8	88.3	75-125	0.14	%REC 1	01/17/06 15:58		
Qualifiers:	<ul> <li>B Analyte detected in the Holding times for pre-</li> <li>ND Not Detected at the F</li> </ul>				ue exceeds the instrument lyte detected below the PC	-		

Life Science		ries, Inc.		An	aly	tical Results
East Syracuse, NY	•	37-0200	<u></u>	State	CertN	o: 10155
CLIENT:O'Brien & Gere EnProject:Geneva FoundryW Order:0601050Matrix:SOIL	roject: Geneva Foundry VOrder: 0601050					<b>001A</b> 3:30 ):00
Inst. ID:         MS03 10           ColumnID:         Rtx-VMS           Revision:         01/20/06 9:58:03 A	Sample Size: 5 %Moisture: 1 TestCode: 8	-	PrepDat BatchNo FileID:	/8.D		
Analyte	Result Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOU	NDS BY GC/MS	SW	8260B			
1,1,1,2-Tetrachloroethane	ND	3.0	0.13	µg/Kg-dry	1	01/19/06 15:51
1,1,1-Trichloroethane	ND	3.0	0.12	µg/Kg-dry	1	01/19/06 15:51
1,1,2,2-Tetrachloroethane	ND	3.0	0.19	µg/Kg-dry	1	01/19/06 15:51
1,1,2-Trichloro-1,2,2- trifluoroethane	ND.	3.0	0.12	µg/Kg-dry	1	01/19/06 15:51
1,1,2-Trichloroethane	. ND	3.0	0.13	µg/Kg-dry	1	01/19/06 15:51
1,1-Dichloroethane	ND	3.0	0.12	µg/Kg-dry	1	01/19/06 15:51
1,1-Dichloroethene	ND	3.0	0.17	µg/Kg-dry	1	01/19/06 15:51
1,1-Dichloropropene	ND .	3.0	0.12	µg/Kg-dry	1	01/19/06 15:51
1,2,3-Trichlorobenzene	ND	6.0	0.60	µg/Kg-dry	1	01/19/06 15:51
1,2,3-Trichloropropane	ND	3.0	0.20	µg/Kg-dry	1	01/19/06 15:51
1,2,4-Trichlorobenzene	ND	6.0	0.40	µg/Kg-dry		01/19/06 15:51
1,2,4-Trimethylbenzene	ND	3.0	0.13	µg/Kg-dry		01/19/06 15:51
1,2-Dibromo-3-chloropropane	ND	6.0	0.48	µg/Kg-dry		01/19/06 15:51
1,2-Dibromoethane	· ND	3.0	0.11	µg/Kg-dry		01/19/06 15:51
1,2-Dichlorobenzene	ND	3.0	0.11	µg/Kg-dry		01/19/06 15:51
1,2-Dichloroethane	ND	3.0	0.12	µg/Kg-dry		01/19/06 15:51
1,2-Dichloropropane	ND	3.0	0.10	µg/Kg-dry		01/19/06 15:51
1,3,5-Trimethylbenzene	ND	3.0	0.11	µg/Kg-dry		01/19/06 15:51
1,3-Dichlorobenzene	ND	3.0	0.12	µg/Kg-dry		01/19/06 15:51
1,3-Dichloropropane	ND	3.0	0.10	μg/Kg-dry		01/19/06 15:51
1,4-Dichlorobenzene	· ND	3.0	0.15	µg/Kg-dry	1	01/19/06 15:51

	ractical Quantitation Li ide accepted recovery lir					
H Holding times for preparation or analysis exceeded			Analyte detected below the PQI Prim /Conf. column %D or RPI	Analyte detected below the PQL		
Qualifiers: B Analyte detected in the associated Method Blank			E Value exceeds the instrument calibration range			
Bromomethane	ND (	5.0 0.36	β μg/Kg-dry 1	01/19/06 15:51		
Bromoform		3.0 0.07		01/19/06 15:51		
Bromodichloromethane		3.0 0.10		01/19/06 15:51		
Bromochloromethane		3.0 0.19		01/19/06 15:51		
Bromobenzene		3.0 0.18		01/19/06 15:51		
Benzene		3.0 0.11	••	01/19/06 15:51		
Acetone		12 0.46		01/19/06 15:51		
4-Methyl-2-pentanone		6.0 0.29		01/19/06 15:51		
4-Chlorotoluene		3.0 0.19		01/19/06 15:51		
2-Hexanone	ND 6	3.0 0.2 <del>6</del>	i µg/Kg-dry 1	01/19/06 15:51		
2-Chlorotoiuene	ND 3	3.0 <sup>°</sup> 0.08	3 µg/Kg-dry 1	01/19/06 15:51		
2-Butanone	ND	12 0.17	γ μg/Kg-dry 1	01/19/06 15:51		
2,2-Dichloropropane	ND 3	3.0 0.11	µg/Kg-dry 1	01/19/06 15:51		
1,4-Dichlorobenzene	· ND 3	3.0 .15	i μg/Kg-dry 1	01/19/06 15:51		
1,3-Dichloropropane	ND 3	3.0 0.10	) µg/Kg-dry 1	01/19/06 15:51		
1,3-Dichlorobenzene	ND 3	3.0 0.12	μg/Kg-dry 1	01/19/06 15:51		
1,3,5-Trimethylbenzene		3.0 0.11	µg/Kg-dry 1	01/19/06 15:51		
1,2-Dichloropropane	•	3.0 0.10		01/19/06 15:51		
1,2-Dichloroethane		3.0 0.12		01/19/06 15:51		
1,2-Dichlorobenzene		3.0 0.11		01/19/06 15:51		
1.2-Dibromoethane		3.0 0.11		01/19/06 15:51		
1,2-Dibromo-3-chloropropane		5.0 0.48		01/19/06 15:51		
1,2,4-Trimethylbenzene		3.0 0.13		01/19/06 15:51		
		5.0 0.40		01/19/06 15:51		
1,2,3-Trichloropropane		3.0 0.20		01/19/06 15:51		
1,2,3-Trichlorobenzene		3.0 0.60		01/19/06 15:51		
1,1-Dichloropropene	ND 3	3.0 0.12	e μg/Kg-dry i	01/19/06 15:51		

East Syracuse, NY 130	57 (315)	437-0200	<b></b>	StateCertNo	<b>b:</b> 10155	
CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601050 Matrix: SOIL	eers, Inc.		Lab ID:         0601050-001A           Client Sample ID:         BH-37           Collection Date:         01/11/06 8:30           Date Received:         01/12/06 0:00			
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:03 A	Sample Size %Moisture: TestCode:		PrepD Batchl FileID	No: R4263	8.D	
Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyzed	
OLATILE ORGANIC COMPOUNE	S BY GC/MS	SW	8260B			
Carbon disulfide	ND	3.0	0. <b>07</b>	µg/Kg-dry 1	01/19/06 15:51	
Carbon tetrachloride	ND	3.0	0.13	µg/Kg-dry 1	01/19/06 15:51	
Chlorobenzene	ND	3.0	0.11	µg/Kg-dry 1	01/19/06 15:51	
Chloroethane	ND	6.0	0.35	µg/Kg-dry 1	01/19/06 15:51	
Chloroform	ND	3.0	0.05	µg/Kg-dry 1	01/19/06 15:51	
Chloromethane	ND	6.0	0.45	µg/Kg-dry 1	01/19/06 15:51	
is-1,2-Dichloroethene	ND	3.0	0.13	µg/Kg-dry 1	01/19/06 15:51	
sis-1,3-Dichloropropene	ND	3.0	0.11	µg/Kg-dry 1	01/19/06 15:51	
Dibromochloromethane	ND	3.0	0.15	µg/Kg-dry 1	01/19/06 15:51	
Dibromomethane	ND	3.0	0.13	µg/Kg-dry 1	01/19/06 15:51	
Dichlorodifluoromethane	ND	6.0	0.10	µg/Kg-dry 1	01/19/06 15:51	
Ethylbenzene	ND	3.0	0.12	µg/Kg-dry 1	01/19/06 15:51	
lexachlorobutadiene	ND	6.0	0.46	µg/Kg-dry 1	01/19/06 15:51	
sopropylbenzene	ND	3.0	0.10	µg/Kg-dry 1	01/19/06 15:51	
Methyl tert-butyl ether	ND	3.0	0.08	µg/Kg-dry 1	01/19/06 15:51	
Methylene chloride	0.61 J	6.0	0.46	µg/Kg-dry 1	01/19/06 15:51	
n-Butyibenzene	ND	3.0	0.14	μg/Kg-dry 1	01/19/06 15:51	
n-Propylbenzene	ND	3.0	0.11	µg/Kg-dry 1	01/19/06 15:51	
Naphthalene	ND	6.0	0.44	µg/Kg-dry 1	01/19/06 15:51	
o-Isopropyitoiuene	ND	3.0	0.11	µg/Kg-dry 1	01/19/06 15:51	
sec-Butylbenzene	ND	3.0	0.15	µg/Kg-dry 1	01/19/06 15:51	
Styrene	ND	3.0	0.12	µg/Kg-dry 1	01/19/06 15:51	
ert-Butylbenzene	ND	3.0	0.15	µg/Kg-dry 1	01/19/06 15:51	
Fetrachloroethene	ND	3.0	0.17	µg/Kg-dry 1	01/19/06 15:51	
Toluene	ND ND	3.0	0.14	µg/Kg-dry 1	01/19/06 15:51	
rans-1,2-Dichioroethene	ND	3.0	0.12	µg/Kg-dry 1	01/19/06 15:51	
rans-1,3-Dichloropropene	ND	3.0	0.11	µg/Kg-dry 1	01/19/06 15:51	
Frichloroethene	ND	3.0	0.13	μg/Kg-dry 1	01/19/06 15:51	
Trichlorofluoromethane	ND	6.0	0.10	μg/Kg-dry 1	01/19/06 15:51	
Vinyl chloride	· ND	6.0	0.10	µg/Kg-dry 1	01/19/06 15:51	
Kylenes (total)	ND	6.0	0.10	µg/Kg-dry 1	01/19/06 15:51	
Surr: 1,2-Dichloroethane-d4	87.9	71-128	0.15	%REC 1	01/19/06 15:51	
Surr: 4-Bromofluorobenzene	60.3	59-125	0.13	%REC 1	01/19/06 15:51	
Sur: Dibromofluoromethane	102	40-156	0.21	%REC 1	01/19/06 15:51	
Sur: Toluene-d8	87.9	40-158 75-125	0.14	%REC 1	01/19/06 15:51	
D Agaluta datasta i - 4	he pressioned Meth	od Blank	E V	alue exceeds the instrument cal	ibration range	
Qualifiers: B Analyte detected in t H Holding times for pr	ne associated Meth eparation or analysi			nalyte detected below the PQL	TEL BOUNDARY	

Print Date: 01/20/06 10:16

**Analytical Results** 

	& Gere Engine Foundry 0	eers, Inc.	• •	Lab ID:         0601050-002A           Client Sample ID:         BH-35-S           Collection Date:         01/11/06 8:55           Date Received:         01/12/06 0:00			
ast. ID: MS03 columnID: Rtx-VM evision: 01/20/0		Sample Size: %Moisture: TestCode:		PrepD Batch FileID	No: R4228	3240.D	
nalyte	-	Result Qu	al PQL	MDL	Units DF	Date Analyze	
OLATILE ORGANI	C COMPOUND	S BY GC/MS	SW	8260B	· .		
1,1,2-Tetrachloroetha	ne	ND	3.1	0.13	µg/Kg-dry 1	01/17/06 16:33	
1,1-Trichloroethane		ND	3.1	0.12	µg/Kg-dry 1	01/17/06 16:33	
1,2,2-Tetrachloroetha	ne ·	ND	3.1	0.20	µg/Kg-dry 1	01/17/06 16:33	
1,2-Trichloro-1,2,2- fluoroethane	. *	ND	3.1	0.12	μg/Kg-dry 1	01/17/06 16:33	
1,2-Trichloroethane		ND	3.1	0.13	µg/Kg-dry 1	01/17/08 16:33	
1-Dichloroethane		ND	3.1	0.12	µg/Kg-dry 1	01/17/06 16:33	
1-Dichloroethene		ND	3.1	0.17	µg/Kg-dry 1	01/17/06 16:33	
1-Dichloropropene		ND .	3.1	0.12	µg/Kg-dry 1	01/17/06 16:33	
2,3-Trichlorobenzene		ND	6.1	0.61	µg/Kg-dry 1	01/17/06 16:33	
2,3-Trichloropropane		ND	3.1	0.21	µg/Kg-dry 1	01/17/06 16:33	
2,4-Trichlorobenzene		ND	. <b>6.1</b>	0.42	µg/Kg-dry 1	01/17/06 16:33	
2,4-Trimethylbenzene		ND	3.1	0.13	µg/Kg-dry 1	01/17/06 16:33	
2-Dibromo-3-chloropr	opane	ND	6.1	0.49	µg/Kg-dry 1	01/17/06 16:33	
2-Dibromoethane		ND .	3.1	0.11	µg/Kg-dry 1	01/17/06 16:33	
2-Dichlorobenzene		ND	3.1	0.11	µg/Kg-dry 1	01/17/06 16:33	
2-Dichloroethane		ND	3.1	0.12	µg/Kg-dry 1	01/17/06 16:33	
2-Dichloropropane		ND	3.1	0.10	µg/Kg-dry 1	01/17/06 16:33	
3,5-Trimethylbenzene		ND	3.1	0.11	µg/Kg-dry 1	01/17/06 16:33	
3-Dichlorobenzene		ND	3.1	0.12	µg/Kg-dry 1	01/17/06 16:33	
3-Dichloropropane		ND	3.1	0.10	µg/Kg-dry 1	01/17/06 16:33	
4-Dichlorobenzene		ND	3.1	0.16	µg/Kg-dry 1	01/17/06 16:33	
2-Dichloropropane		ND	3.t	0.11	µg/Kg-dry 1	01/17/06 16:33	
Butanone		ND	12	0.17	µg/Kg-dry 1	01/17/06 16:33	
Chlorotoluene		ND	3.1	0.09	µg/Kg-dry 1	01/17/06 16:33	
Hexanone		ND	6.1	0.27	µg/Kg-dry 1	01/17/06 16:33	
Chlorotoluene		ND	3.1	0.20	µg/Kg-dry 1	01/17/06 16:33	
Methyl-2-pentanone		ND	6.1	0.29	µg/Kg-dry 1	01/17/06 16:33	
cetone		1.9 J	12	0.48	µg/Kg-dry 1	01/17/06 16:33	
enzene		ND	3.1	0.11	µg/Kg-dry 1	01/17/06 16:33	
romobenzene		. ND	3.1	0.18	µg/Kg-dry 1	01/17/06 16:33	
romochloromethane		ND	3.1	0.20	μg/Kg-dry 1	01/17/06 16:33	
romodichloromethane		ND	3.1	0.10	µg/Kg-dry 1	01/17/06 16:33	
romoform		ND	3.1	0.07	µg/Kg-dry 1	01/17/06 16:33	
romomethane		ND	6.1	0.37	µg/Kg-dry 1	01/17/06 16:33	
Dualifiers: B A	alyte detected in the	e associated Meth	od Blank	ΕV	alue exceeds the instrument cal	ibration range	
Qualifiers:         B         Analyte detected in the associated Method Blank           H         Holding times for preparation or analysis exceeded			JA	nalyte detected below the PQL			

East Syracuse, NY 130	57 (315) 4	37-0200	· · · · · · · · · · · · · · · · · · ·	StateCertNo: 10155				
CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601050 Matrix: SOIL	eers, Inc.		Lab ID:         0601050-002A           Client Sample ID:         BH-35-S           Collection Date:         01/11/06 8:55           Date Received:         01/12/06 0:00					
Inst. ID: MS03 10	Sample Size: 4	.98 g	PrepDate:			8240.D 8240.D 8240.D 8240.D 11/17/06 16:33 01/17/06 16:34		
ColumnID: Rtx-VMS	%Moisture: 1	8.3	<b>BatchNo:</b>		228			
<b>Revision:</b> 01/20/06 10:08:39 A	TestCode: 8	260S TAGML	FileID:	1-8	SAMP-J824	0.D		
Analyte	Result Qual	PQL	MDL	Units	DF	Date Analyze		
OLATILE ORGANIC COMPOUND	S BY GC/MS	SW	8260B					
Carbon disulfide	ND	3.1	0.07	µg/Kg-dry	/ 1	01/17/06 16:33		
Carbon tetrachloride	ND	3.1	0.13	µg/Kg-dry	1	01/17/06 16:33		
hlorobenzene	ND	3.1	0.11	µg/Kg-dry	1	01/17/06 16:33		
hloroethane	ND	6.1	0.35	µg/Kg-dry	/ 1	01/17/06 16:33		
hloroform	ND	3.1	0.05	µg/Kg-dry		01/17/06 16:33		
hloromethane	ND	6.1	0.46	µg/Kg-dry		01/17/06 16:33		
is-1,2-Dichloroethene	ND	3.1	0.13	µg/Kg-dry		01/17/06 16:33		
is-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry	/ 1	01/17/06 16:33		
libromochloromethane	ND	3.1	0.16	µg/Kg-dry	/ 1	01/17/06 16:33		
libromomethane	ND	3.1	0.13	µg/Kg-dry	/ 1	01/17/06 16:33		
ichlorodifiuoromethane	ND	6.1	0.10	µg/Kg-dry	/ 1	01/17/06 16:33		
thylbenzene	ND	3.1	0.12	µg/Kg-dry	/ 1	01/17/06 16:33		
exachlorobutadiene	ND	6.1	0.48	µg/Kg-dry		01/17/06 16:33		
sopropyibenzene	ND	3.1	0.10	µg/Kg-dry		01/17/06 16:33		
lethyl tert-butyl ether	ND	3.1	0.09	µg/Kg-diy		01/17/06 16:33		
lethylene chlorida	ND	6.1	0.49	µg/Kg-dry		01/17/06 16:33		
-Butylbenzene	ND	3.1	0.15	µg/Kg-dry		01/17/06 16:33		
-Propyibenzene	ND	3.1	0.11	µg/Kg-dry		01/17/06 16:33		
laphthalene	ND	6.1	0.45	µg/Kg-dry		01/17/06 16:33		
-Isopropyitoluene	ND	3.1	0.11	µg/Kg-dry				
ec-Butylbenzene	ND	3.1	0.16	µg/Kg-dry				
tyrene	ND	3.1	0.12	µg/Kg-dry				
art-Butylbenzene	ND	3.1	0.16	µg/Kg-dry				
etrachloroethene	ND	3.1	0.17	µg/Kg-dŋ				
oluene	ND	3.1	0.15	µg/Kg-dry				
ans-1,2-Dichloroethene	ND	3.1	0.12	µg/Kg-dry				
ans-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry				
richloroethene	ND	3.1	0.13	μg/Kg-dry				
richlorofluoromethane	ND	6.1	0.10	µg/Kg-dry				
inyl chloride	ND	6.1	0.10	µg/Kg-dry				
yienes (total)	ND	6.1	0.22	µg/Kg-dŋ				
Surr. 1,2-Dichloroethane-d4	87.6	71-128	0.16	%REC	1			
Sur: 4-Bromofluorobenzene	63.5	59-125	0.10	%REC	1			
Surr: Dibromofluoromethane	103	40-156	0.22	%REC	1			
Surr: Toluene-d8	87.9	40-156 75-125	0.15	%REC	1	01/17/06 16:33		
Qualifiers B Analyte detected in the	he associated Method	Blank	E Value exc	eeds the inst	rument calibra	tion range		
Central 1 1	paration or analysis ex			steeted below				
	ractical Quantitation I		-		D or RPD exc	eeds limit		
	de accepted recovery l				<i>D</i>			

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601050 SOIL	eers, Inc.	• •	Lab ID:         0601050-003A           Client Sample ID:         BH-35-D           Collection Date:         01/11/06 9:05           Date Received:         01/12/06 0:00			
Inst. ID: ColumnID: Revision:	MS03 10 Rtx-VMS 01/20/06 10:08:39 A	Sample Size %Moisture: TestCode:		PrepD Batch FileID	No: R4228	241.D	
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyze	
	ORGANIC COMPOUND	S BY GC/MS	SW	8260B		•	
1,1,1,2-Tetrac	hloroethane	ND	3.2	0.14	µg/Kg-dry 1	01/17/06 17:08	
1,1,1-Trichloro	ethane	ND	3.2	0.13	µg/Kg-dry 1	01/17/06 17:08	
1,1,2,2-Tetrac	hloroethane	ND	3.2	0.20	µg/Kg-dry 1	01/17/06 17:08	
1,1,2-Trichloro rifluoroethane		ND	3.2	0.13	µg/Kg-dry 1	01/17/06 17:08	
1,1,2-Trichloro	ethane	ND	3.2	0.14	µg/Kg-dry 1	01/17/06 17:08	
,1-Dichloroet	hane	ND	3.2	0.13	µg/Kg-dry 1	01/17/06 17:08	
,1-Dichloroet	hene	ND	3.2	0.18	µg/Kg-dry 1	01/17/06 17:08	
,1-Dichloropr	opene	ND	3.2	0.13	µg/Kg-dry 1	01/17/06 17:08	
,2,3-Trichloro	benzene	ND	6.3	0.63	µg/Kg-dry 1	01/17/06 17:08	
,2,3-Trichloro	propane	ND	3.2	0.22	µg/Kg-dry 1	01/17/06 17:08	
,2,4-Trichioro	benzene	ND	6.3	0.43	µg/Kg-dry 1	01/17/06 17:08	
,2,4-Trimethy	lbenzene	ND	3.2	0.14	µg/Kg-dry 1	01/17/06 17:08	
,2-Dibromo-3	-chloropropane	· ND	6.3	0.51	µg/Kg-dry 1	01/17/06 17:08	
,2-Dibromoet	hane	ND	3.2	0.11	µg/Kg-dry 1	01/17/06 17:08	
,2-Dichlorobe	nzene	ND	3.2	0.11	µg/Kg-dry 1	01/17/06 17:08	
,2-Dichloroet	hane	· ND	3.2	0.13	µg/Kg-dry 1	01/17/06 17:08	
,2-Dichloropr	opane	ND	3.2	0.10	µg/Kg-dry 1	01/17/06 17:08	
,3,5-Trimethy	lbenzene	· ND	3.2	0.11	µg/Kg-dry 1	01/17/06 17:08	
,3-Dichlorobe	enzene	ND	3.2	0.13	µg/Kg-dry 1	01/17/06 17:08	
,3-Dichloropr	opane	ND	3.2	0.10	µg/Kg-dry 1	01/17/06 17:08	
,4-Dichlorobe	nzene	ND	3.2	0.16	µg/Kg-dry 1	01/17/06 17:08	
2,2-Dichloropr	opane	ND	3.2	0.11	µg/Kg-dry 1	01/17/06 17:08	
2-Butanone		ND	13	0.18	µg/Kg-dry 1	01/17/06 17:08	
-Chlorotoluer	IE	ND	3.2	0.09	µg/Kg-dry 1	01/17/06 17:08	
-Hexanone		ND	6.3	0.28	µg/Kg-dry 1	01/17/06 17:08	
-Chlorotoluer		ND	3.2 <sub>.</sub>	0.20	µg/Kg-dry 1	01/17/06 17:08	
-Methyl-2-per	ntanone	• ND	6.3	0.30	µg/Kg-dry 1	01/17/06 17:08	
cetone	· .	2.0 J	13	0.49	µg/Kg-dry 1	01/17/06 17:08	
Benzene	· ,	ND	3.2	0.11	µg/Kg-dry 1	01/17/06 17:08	
Bromobenzen	<b>e</b>	ND	3.2	0.19	µg/Kg-dry 1	01/17/06 17:08	
Bromochlorom	lethane	ND	3.2	0.20	µg/Kg-dry 1	01/17/06 17:08	
romodichloro	methane	ND	3.2	0.10	µg/Kg-dry 1	01/17/06 17:08	
Bromoform		ND	3.2	0.08	µg/Kg-dry 1	01/17/06 17:08	
Bromomethan	e	ND	6.3	0.38	µg/Kg-dry 1	01/17/06 17:08	
Qualifiers:	<ul> <li>B Analyte detected in th</li> <li>H Holding times for pre-</li> <li>ND Not Detected at the Principal Statement of the Principal Stateme</li></ul>	paration or analysi	s exceeded	J Ar	alue exceeds the instrument calibralyte detected below the PQL im./Conf. column %D or RPD e		

E	ast Sy	racuse, NY 130	57 (315)	437-0200		Sta	teCertN	lo: 10155	
CLIENT: Project: W Order: Matrix:			eers, Inc.		Lab ID:         0601050-003A           Client Sample ID:         BH-35-D           Collection Date:         01/11/06 9:05           Date Received:         01/12/06 0:00				
Inst. ID:	MS0	3 10	Sample Size	: 5.01 g		Date:			
ColumnID:			%Moisture:				1228		
Revision:	01/2	0/06 10:08:39 A	TestCode:	8260S TAGML	Filel	<b>D:</b> 1-	SAMP-J	18241.D	
Analyte			Result Qu	al PQL	MDI	Units	DF	Date Analyzed	
OLATILE (	ORGA	NIC COMPOUND	S BY GC/MS	SW	8260E				
Carbon disulfi	de		ND	3.2	0.08	µg/Kg-drj	y 1	01/17/06 17:08	
Carbon tetrac	<b>hloride</b>	· ·	ND	3.2	0.14	µg/Kg-dr	y 1	01/17/06 17:08	
Chlorobenzen	8		ND	3.2	0.11	`µg/Kg-dr	y 1	01/17/06 17:08	
Chloroethane			ND	6.3	0.37	µg/Kg-drj	y 1	01/17/06 17:08	
hioroform			ND	3.2	0.05	µg/Kg-dr	y 1	01/17/06 17:08	
hioromethan	e		ND	6.3	0.48	µg/Kg-dr	y 1	01/17/06 17:08	
is-1,2-Dichlo			ND	3.2	0.14	µg/Kg-dr		01/17/06 17:08	
is-1,3-Dichlo			ND	3.2	<b>0.11</b> .	µg/Kg-dr		01/17/06 17:08	
bromochlor		ine	ND	3.2	0.16	µg/Kg-dr		01/17/06 17:08	
ibromometh			ND	3.2	0,14	µg/Kg-dr		01/17/06 17:08	
ichlorodifiuo	rometh	an <del>o</del>	ND	6.3	0,10	µg/Kg-dr		01/17/06 17:08	
thylbenzene			ND	3.2	0.13	µg/Kg-dr		01/17/06 17:08	
lexachlorobu		•	ND	6.3	0.49	µg/Kg-dr	-	01/17/06 17:08	
sopropylbenz	ene		ND	3.2	0.10	µg/Kg-dr		01/17/06 17:08	
lethyl tert-bu	-	ЭГ .	ND	3.2	0.09	µg/Kg-dr		01/17/06 17:08	
lethylene chl	oride		ND	6.3	0.51	µg/Kg-dr	y 1	01/17/06 17:08	
-Butyibenzer	ie -		ND	3.2	0.15	µg/Kg-dr		01/17/06 17:08	
-Propylbenze	ne		ND	3.2	0.11	µg/Kg-drj	y 1	01/17/06 17:08	
laphthalene			ND	6.3	0.47	µg/Kg-dr		01/17/06 17:08	
-Isopropyitol	Jene		ND	3.2	0.11	µg/Kg-drj		01/17/06 17:08	
ec-Butylbenz	ene	1. A.	ND	3.2	0.16	µg/Kg-dr	y 1	01/17/06 17:08	
styrene			ND	3.2	0.13	µg/Kg-dr	ý 1	01/17/08 17:08	
ert-Butylbenz	ene		ND	3.2	0.16	µg/Kg-dr		01/17/06 17:08	
etrachioroet	ne <b>ne</b>		ND	3.2	0.18	µg/Kg-dr	y 1 .	01/17/06 17:08	
oluene		•	ND	3.2	0.15	µg/Kg-dr		01/17/06 17:08	
rans-1,2-Dich			ND	3.2	0.13	µg/Kg-dr		01/17/06 17:08	
rans-1,3-Dich	-	opene	ND	3.2	0.11	µg/Kg-dr		01/17/06 17:08	
richloroether			ND	3.2	0.14	µg/Kg-dr		01/17/06 17:08	
richlorofiuoro	metha	ine	ND	6.3	0.10	µg/Kg-dr	-	01/17/06 17:08	
'inyl chloride			ND	8.3	0.10	µg/Kg-dr		01/17/06 17:08	
ylenes (total			ND	6.3	0.23	µg/Kg-dr		01/17/06 17:08	
Surr: 1,2-Di			87.5	71-128	0,16	%REC	1	01/17/06 17:08	
Surr: 4-Bromofluorobenzene		66.9	59-125	0.11	%REC	1	01/17/06 17:08		
Surr: Dibro		romethane	101	40-156	0.23	%REC	1	01/17/06 17:08	
Sur: Tolue	n <del>e-d</del> 8	· . · ·	90.7	75-125	0.15	%REC	1	01/17/06 17:08	
Qualifiers:	В	Analyte detected in th				Value exceeds the inst		-	
	Н	Holding times for pre	- ·		J Analyte detected below the PQL				
ND Not Detected at the I		Not Detected at the P	ractical Quantitatio	n Limit (PQL)	P Prim /Conf. column %D or RPD exceeds lim			) exceeds limit	

# LSL S000 Brittonfield Parkway, Suite 200 Analy

Project: G W Order: 0 Matrix: S	9Brien & Gere Engine leneva Foundry 601050 OIL	eers, Inc.		Collection	Lab ID:         0601050-004A           Client Sample ID:         BH-36-S           Collection Date:         01/10/06 14:20           Date Received:         01/12/06 0:00			
Column <b>ID:</b> R	1S03 10 tx-VMS 1/20/06 10:08:39 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:	R4228 1-SAMP-J8	242.D		
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyze		
OLATILE OR	GANIC COMPOUND	S BY GC/MS	SV	/8260B				
,1,1,2-Tetrachio	roethane	ND	2.6	0.11	µg/Kg-dry 1	01/17/06 17:42		
1,1-Trichloroeth	nane	ND.	2.6	0.10	µg/Kg-dry 1	01/17/06 17:42		
1,2,2-Tetrachlo	roethane	ND	2.6	0.17	µg/Kg-dry 1	01/17/06 17:42		
,1,2-Trichloro-1, ifluoroethane	2,2-	ND	2.6	0.10	µg/Kg-dry 1	01/17/06 17:42		
,1,2-Trichloroeth		ND	2.6	0.11	µg/Kg-dry 1	01/17/06 17:42		
1-Dichloroethar	1e	ND	2.6	0.10	µg/Kg-dry 1	01/17/06 17:42		
1-Dichloroether	ne	ND	2.6	0.15	µg/Kg-dry 1	01/17/06 17:42		
1-Dichloroprope	ane i	ND	2.6	0.10	µg/Kg-dry 1	01/17/06 17:42		
2,3-Trichlorobe		ND	5.2	0.52	µg/Kg-dry 1	01/17/06 17:42		
2,3-Trichloropro	-	ND	2.6	0.18	µg/Kg-dry 1	01/17/06 17:42		
2,4-Trichlorobe	nzene	ND	5.2	0.35	µg/Kg-dry 1	01/17/06 17:42		
2,4-Trimethylbe	nzene	ND	2.6	0.11	µg/Kg-dry 1	01/17/06 17:42		
2-Dibromo-3-ch	loropropane	ND	5.2	0.42	µg/Kg-dry 1	01/17/06 17:42		
2-Dibromoethar		ND	2.6	0.09	µg/Kg-dry 1	01/17/06 17:42		
2-Dichlorobenzo	епе	ND	2.6	0.09	µg/Kg-dry 1	01/17/06 17:42		
2-Dichloroethar	· · · · · · · · · · · · · · · · · · ·	ND	2.6	0.10	µg/Kg-dry 1	01/17/06 17:42		
2-Dichloropropa		ND	2.6	0.08	µg/Kg-dry 1	01/17/06 17:42		
3,5-Trimethylbe		ND	2.6	0.09	µg/Kg-dry 1	01/17/06 17:42		
3-Dichlorobenzo		ND	2.6	0.10	µg/Kg-dry 1	01/17/06 17:42		
3-Dichloropropa		ND	2.6	0.08	µg/Kg-dry 1	01/17/06 17:42		
4-Dichlorobenze		ND	2.6	0.14	µg/Kg-dry 1	01/17/06 17:42		
2-Dichloropropa	ine .	ND	2.6	0.09	µg/Kg-dry 1	01/17/06 17:42		
Butanone		ND	10	0.15	µg/Kg-dry 1	01/17/06 17:42		
Chlorotoluene		ND	2.6	0.07	µg/Kg-dry 1	01/17/06 17:42		
Hexanone		ND	5.2	0.23	µg/Kg-dry 1	01/17/06 17:42		
Chlorotoluene		ND	2.6	0.17	µg/Kg-dry 1	01/17/06 17:42		
Methyl-2-pentar	tone	ND	5.2	0.25	µg/Kg-dry 1	01/17/06 17:42		
etone		1.6 J	10	0.41	µg/Kg-dry 1	01/17/06 17:42		
enzene	•	ND	2.6	0.09	µg/Kg-dry 1	01/17/06 17:42		
omobenzene		ND	2.6	0.1 <del>6</del>	µg/Kg-dry 1	01/17/06 17:42		
omochlorometh		: ND	2.6	0.17	µg/Kg-dry 1	01/17/06 17:42		
omodichlorome	thane	ND	2.6	0.08	µg/Kg-dry 1	01/17/08 17:42		
romoform		ND	2.6	0.06	µg/Kg-dry 1	01/17/06 17:42		
omomethane		ND	5.2	0.31	µg/Kg-dry 1	01/17/06 17:42		
ualifiers: I	B Analyte detected in the			E Value exceeds the instrument calibration range				
1	H Holding times for prep			J Analyte detected below the PQL				
· N	D Not Detected at the Pra	ctical Quantitatio	n Limit (POL)	P Prim./Conf. column %D or RPD exceeds limit				

### 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 StateCertNo: 10155 (315) 437-0200 CLIENT: O'Brien & Gere Engineers, Inc. Lab ID: 0601050-004A **Project:** Geneva Foundry Client Sample ID: BH-36-S W Order: 0601050 **Collection Date:** 01/10/06 14:20 Matrix: SOIL Date Received: 01/12/06 0:00 Inst. ID: MS03 10 **PrepDate:** Sample Size: 4.98 g ColumnID: Rtx-VMS %Moisture: 3.9 **BatchNo:** R4228 **Revision:** 01/20/06 10:08:39 A FileID: 1-SAMP-J8242.D TestCode: 8260S TAGML Analyte **Result Qual PQL** MDL Units DF **Date Analyzed** VOLATILE ORGANIC COMPOUNDS BY GC/MS SW8260B Carbon disulfide ND 2.6 0.06 ug/Kg-dry 1 01/17/06 17:42 Carbon tetrachloride ND 01/17/06 17:42 2.6 0.11 µg/Kg-dry 1 Chlorobenzene ND 2.6 0.09 µg/Kg-dry 1 01/17/06 17:42 Chloroethane ND 5.2 0.30 µg/Kg-dry 1 01/17/06 17:42 Chloroform ND 2.6 0.04 µg/Kg-dry 1 01/17/06 17:42 Chloromethane ND 0.40 µg/Kg-dry 1 01/17/06 17:42 5.2 cis-1,2-Dichloroethene ND 2.6 0.11 01/17/06 17:42 µg/Kg-dry 1 cis-1,3-Dichloropropene 01/17/06 17:42 ND 2.6 0.09 µg/Kg-dry 1 Dibromochloromethane ND 2.6 0.14 µg/Kg-dry 1 01/17/06 17:42 Dibromomethane ND 2.6 0.11 µg/Kg-dry 1 01/17/06 17:42 Dichlorodiflucromethane ND 5.2 0.08 µg/Kg-dry 1 01/17/06 17:42 Ethylbenzene ND 01/17/06 17:42 2.6 0,10 µg/Kg-dry 1 Hexachlorobutadiene ND 5.2 µg/Kg-dry 1 01/17/06 17:42 0.41 Isopropylbenzene ND 2.6 0.08 µg/Kg-dry 1 01/17/06 17:42 Methyl tert-butyl ether ND 2.6 0.07 µg/Kg-dry 1 01/17/06 17:42 Methylene chloride 01/17/06 17:42 1.1 J 5.2 0.42 µg/Kg-dry 1 n-Butylbenzene ND 2.6 0.12 µg/Kg-dry 1 01/17/06 17:42 n-Propyibenzene 01/17/06 17:42 ND 2.6 0.09 µg/Kg-dry 1 Naphthalene ND 5.2 0.39 µg/Kg-dry 1 01/17/06 17:42 p-isopropyitoluene ND 2.6 0.09 µg/Kg-dry 1 01/17/06 17:42 sec-Butylbenzene ND 01/17/06 17:42 2.6 0.14 µg/Kg-dry 1 Styrene 0.10 01/17/06 17:42 ND 2.6 µg/Kg-dry 1 tert-Butylbenzene ND 2.6 0.14 µg/Kg-dry 1 01/17/06 17:42 Tetrachloroethene ND 2.6 0.15 µg/Kg-dry 1 01/17/06 17:42 Toluene ND 2.6 0.12 µg/Kg-dry 1 01/17/06 17:42 trans-1.2-Dichloroethene ND 2.6 0.10 µg/Kg-dry 1 01/17/06 17:42 trans-1,3-Dichloropropene ND 2,6 0.09 µg/Kg-dry 1 01/17/06 17:42 Trichloroethene 01/17/06 17:42 ND 2.6 0.11 µg/Kg-dry 1 Trichlorofluoromethane 0.08 01/17/06 17:42 ND 5.2 µg/Kg-dry 1 Vinyl chloride ND 5.2 0.08 µg/Kg-dry 1 01/17/06 17:42 Xylenes (total) ND 5.2 0.19 01/17/06 17:42 µg/Kg-dry 1 Surr: 1,2-Dichloroethane-d4 89.9 71-128 0.14 %REC 1 01/17/06 17:42 Surr: 4-Bromofluorobenzene 56.7 S 59-125 0.09 %REC 1 01/17/06 17:42 Surr: Dibromofluoromethane 0.19 %REC 01/17/06 17:42 104 40-156 1 Surr: Toluene-d8 83.5 75-125 0.12 %REC 1 01/17/06 17:42 B Analyte detected in the associated Method Blank Ε· Value exceeds the instrument calibration range Qualifiers: Н Holding times for preparation or analysis exceeded J Analyte detected below the PQL ND Not Detected at the Practical Quantitation Limit (PQL) Prim./Conf. column %D or RPD exceeds limit Р S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

Project: ( W Order: (	D'Brien & Gere Engine Geneva Foundry 0601050 SOIL	eers, Inc.		Lab ID:         0601050-004A           Client Sample ID:         BH-36-S           Collection Date:         01/10/06 14:20           Date Received:         01/12/06 0:00				
ColumnID: I	MS03 10 Rtx-VMS 01/20/06 9:58:03 A	Sample Size %Moisture TestCode:		Bat	pDate: :chNo: R4263 eID: 1-RA-J827	9.D		
Analyte		Result Qu	al PQL	MD	L Units DF	Date Analyzed		
VOLATILE OF		S BY GC/MS	SW	8260	B			
I,1,1,2-Tetrachi	oroethane	ND	2.6	10.11	µg/Kg-dry 1	01/19/06 16:26		
,1,1-Trichloroe	thane	ND	2.6	0.10	µg/Kg-dry 1	01/19/06 16:26		
,1,2,2-Tetrachl	oroethane	ND	2.6	<sup>°</sup> 0.17	µg/Kg-dry 1	01/19/06 16:26		
1,1,2-Trichloro-1 rifluoroethane	1 <b>,2,2</b> -	ND	2.6	0.10	µg/Kg-dry 1	01/19/06 16:26		
1,2-Trichloroet	than <del>e</del>	ND	2.6	0.11	µg/Kg-dry 1	01/19/06 16:26		
,1-Dichloroetha	ine	ND	2.6	0.10	µg/Kg-ary 1	01/19/06 16:26		
,1-Dichloroethe	ene	ND	2.6	0.15		01/19/06 16:26		
,1-Dichloroprop	bene	ND	2.6	0.10	µg/Kg-dry 1	01/19/06 16:26		
,2,3-Trichlorob		ND	5.2	0.52		01/19/06 16:26		
,2,3-Trichloropa		ND	2.6	0.18	µg/Kg-dry 1	01/19/06 16:26		
,2,4-Trichlorob	1	ND	5.2	0.35		01/19/06 16:26		
,2,4-Trimethylb		ND	2.6	0.11	µg/Kg-dry 1	01/19/06 16:26		
,2-Dibromo-3-c		NÐ	5.2	0.42		01/19/06 16:26		
,2-Dibromoetha		NÐ	2.6	0.09		01/19/06 16:26		
,2-Dichloroben:	·.	NÐ	2.6	0.09		01/19/06 16:26		
,2-Dichloroetha		ND	2.6	0.10	14 4 4	01/19/06 16:26		
,2-Dichloroprop		ND	2.6	0.08		01/19/06 16:26		
,3,5-Trimethylb		ND	2.6	0.09		01/19/06 16:26		
,3-Dichloroben;	. •	ND	2.6	0.10		01/19/06 16:26		
,3-Dichloroprop		ŇD	2.6	0.08		01/19/06 16:26		
,4-Dichloroben:		ND	2.6	0.14		01/19/06 16:26		
2.2-Dichloroprop	bane	ND	2.6	0.09	μg/Kg-dry 1	01/19/06 16:26		
-Butanone		ND	10	0.15	µg/Kg-dry 1	01/19/06 16:26		
-Chlorotoluene		ND	2.6	0.07	µg/Kg-dry 1	01/19/06 16:26		
-Hexanone		ND	5.2	0.23	µg/Kg-dry 1	01/19/06 16:26		
-Chlorotoluene	· ·	ND	2.6	0.17		01/19/06 16:26		
-Methyl-2-penta	anone	ND	5,2	0.25		01/19/06 16:26		
cetone		1.2 J	10	0.41	µg/Kg-dry 1	01/19/06 16:26		
Benzene		ND	2.6	0.09		01/19/06 16:26		
Iromobenzene		ND	2.6	0,16		01/19/06 16:26		
Iromochlorome		ND	2.6	0.17		01/19/06 16:26		
Bromodichlorom	enane	ND	2.6	0.08		01/19/06 16:26		
Bromoform		ND	2.6	0.06		01/19/06 16:26		
Bromomethane		ND	5.2	0.31	µg/Kg-dry 1	01/19/06 16:26		
Qualifiers:	B Analyte detected in the	e associated Metho	od Blank	E	E Value exceeds the instrument calibration range			
	H Holding times for prep	paration or analysi	s exceeded	J	Analyte detected below the PQL			
	ND Not Detected at the Pr S Spike Recovery outsid	•		Р	Prim./Conf. column %D or RPD	exceeds limit		

Project: W Order:	O'Brien & Gere Engir Geneva Foundry 0601050 SOIL	eers, Inc.		Lab ID:         0601050-004A           Client Sample ID:         BH-36-S           Collection Date:         01/10/06 14:20           Date Received:         01/12/06 0:00				
ColumnID: 3	MS03 10 Rtx-VMS 01/20/06 9:58:03 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: R4263 FileID: 1-RA-J8279.D				
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qu		MDL	Units DF	Date Analyze		
VOLATILE OI	RGANIC COMPOUNE	S BY GC/MS	SW	8260B				
Carbon disulfide	•	ND	2.6	0.06	µg/Kg-dry 1	01/19/06 16:26		
Carbon tetrachi	oride	ND	2.6	0.11	µg/Kg-dry 1	01/19/06 16:26		
Chlorobenzene		ND	2.6	0.09	µg/Kg-dry 1	01/19/06 16:26		
chloroethane		ND	5.2	0.30	µg/Kg-dry 1	01/19/06 16:26		
hloroform	•	ND	2.6	0.04	µg/Kg-dry 1	01/19/06 16:26		
hloromethane		ND	5.2	0.40	µg/Kg-dry 1	01/19/06 16:26		
is-1,2-Dichloro	ethene	ND	2.6	0.11	µg/Kg-dry 1	01/19/06 16:26		
is-1,3-Dichloro	propene	ND	2.6	0.09	µg/Kg-dry 1	01/19/06 16:26		
)ibromochloron	nethane	· ND	2.6	0.14	µg/Kg-dry 1	01/19/06 16:26		
)ibromomethan	e	ND	2.6	0.11	µg/Kg-dry 1	01/19/06 16:26		
ichlorodifiuoro	methane	ND -	5.2	0.08	µg/Kg-dry 1	01/19/06 16:26		
thylbenzene		. ND	2.6	0.10	µg/Kg-dry 1	01/19/06 16:26		
exachiorobuta	diene	ND	5.2	0.41	µg/Kg-dry 1	01/19/06 16:26		
opropylbenzer	e	ND	2.6	0.08	µg/Kg-dry 1	01/19/06 16:26		
lethyi tert-butyi	ether	ND	2.6	0.07	µg/Kg-dry 1	01/19/06 16:26		
lethylene chlori	•	0.90 J	5.2	0.42	µg/Kg-dry 1	01/19/06 16:26		
-Butylbenzene		ND	2.6	0.12	µg/Kg-dry 1	01/19/06 16:26		
-Propylbenzen	Ð	ND	2.6	0.09	µg/Kg-dry 1	01/19/06 16:26		
laphthalene		ND	5.2	0.39	µg/Kg-dry 1	01/19/06 16:26		
-Isopropyttolue	ne	ND	2.6	0.09	µg/Kg-dry 1	01/19/06 16:26		
ec-Butylbenzer		ND ·	2.6	0.14	μg/Kg-dry 1	01/19/06 16:26		
tyrene		ND	2.6	0.10	µg/Kg-dry 1	01/19/06 16:26		
rt-Butylbenzen	e	ND	2.6	0.14	µg/Kg-dry 1	01/19/06 16:26		
etrachloroethei	1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	ND	2.6	0.15	ug/Kg-dry 1	01/19/06 16:26		
oluene		ND	2.6	0.12	µg/Kg-dry 1	01/19/06 16:26		
ans-1,2-Dichio	roethene	ND	2.6	0.10	µg/Kg-dry 1	01/19/06 16:26		
ans-1,3-Dichlo		ND	2.6	0.09	µg/Kg-dry 1	01/19/06 16:26		
richloroethene	- F F	ND	2.6	0.11	µg/Kg-dry 1	01/19/06 16:26		
richlorofluorom	ethane	ND	5.2	0.08	µg/Kg-dry 1	01/19/06 16:26		
inyl chloride		, ND	5.2	0.08	µg/Kg-dry 1	01/19/06 18:26		
vienes (total)		ND	5.2 5.2	0.19		01/19/06 16:26		
Surr: 1,2-Dich	loroethane-d4	87.5	5.2 71-128	0.19	µg/Kg-dry 1 %REC 1	01/19/06 16:26		
	ofluorobenzene	60.6	59-125	0.09	%REC 1	01/19/06 16:26		
	fluoromethane	100	40-156		%REC 1			
Surr: Toluene		86.0	40-155 75-125	0.19 0.12	%REC 1	01/19/06 16:26 01/19/06 16:26		
Qualifiers:	B Analyte detected in th	e associated Method	Blank	E Value en	ceeds the instrument calib	ration range		
	H Holding times for pre				detected below the PQL	2-		
	ND Not Detected at the Pr				onf. column %D or RPD en			

# LSL Store Laboratories, Inc.

CLIENT: Project: W Order: Matrix: Inst. ID:	O'Brien & Gere Engin Geneva Foundry 0601050 SOIL MS03 10	eers, Inc. Sample Size:	: 4.98 g	Lab ID:       0601050-005A         Client Sample ID:       BH-36-D         Collection Date:       01/10/06 14:30         Date Received:       01/12/06 0:00         PrepDate:       01/12/06 0:00				
ColumnID: Revision:	Rtx-VMS 01/20/06 10:08:39 A	%Moisture: TestCode:	-	BatchN		243.D		
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed		
	DRGANIC COMPOUND	S BY GC/MS	SV	/8260B				
1,1,1,2-Tetrac	hioroethane	ND	2.9	0.13	µg/Kg-dry 1	01/17/06 18:17		
1,1,1-Trichloro	ethane	ND	2.9	0.11	µg/Kg-dry 1	01/17/06 18:17		
1,1,2,2-Tetrac		ND	2.9	0.18	µg/Kg-dry 1	01/17/06 18:17		
1,1,2-Trichloro trifluoroethane		ND	2.9	0.11	µg/Kg-dry 1	01/17/06 18:17		
1,1,2-Trichloro	ethane	ND :	2.9	0.13	µg/Kg-dry 1	01/17/06 18:17		
l,1-Dichlorcetl	hane	ND	2.9	0.11	µg/Kg-dry 1	01/17/06 18:17		
,1-Dichloroeth	hene	ND	2.9	0.16	µg/Kg-dry 1	01/17/06 18:17		
,1-Dichloropro	opene	ND	2.9	0.11	µg/Kg-dry 1	01/17/06 18:17		
,2,3-Trichloro	benzene	ND	5.7	0.57	µg/Kg-dry 1	01/17/06 18:17		
,2,3-Trichloro	propane	ND	2.9	0.20	µg/Kg-dry 1	01/17/06 18:17		
,2,4-Trichloro	benzene	ND .	5.7	0.39	µg/Kg-dry 1	01/17/06 18:17		
,2,4-Trimethy	lbenzene	ND	2.9	0.13	µg/Kg-dry 1	01/17/06 18:17		
,2-Dibromo-3	-chloropropane	ND	5.7	0.46	µg/Kg-dry 1	01/17/06 18:17 <sup>.</sup>		
,2-Dibromoet	hane	ND	2.9	0.10	µg/Kg-dry 1	01/17/06 18:17		
,2-Dichlorobe	nzene	ND	<b>2.9</b>	0.10	µg/Kg-dry 1	01/17/06 18:17		
,2-Dichloroeth		ND	2.9	0.11	µg/Kg-dry 1	01/17/06 18:17		
,2-Dichloropro	-	ND	2.9	0.09	µg/Kg-dry 1	01/17/06 18:17		
,3,5-Trimethy	lbenzene	ND	2.9	0.10	µg/Kg-dry 1	01/17/06 18:17		
,3-Dichlorobe	nzene	ND	2.9	0.11	µg/Kg-dry 1	01/17/06 18:17		
,3-Dichloropro	opane	ND	2.9	0.09	µg/Kg-dry 1	01/17/06 18:17		
,4-Dichlorobe		ND	2.9	0.15	µg/Kg-dry 1	01/17/06 18:17		
,2-Dichloropro	орапе	ND .	2.9	0.10	µg/Kg-dry 1	01/17/06 18:17		
-Butanone		ND	11	0.16	µg/Kg-dry 1	01/17/06 18:17		
-Chlorotoluen	e	ND	2.9	80.0	µg/Kg-dry 1	01/17/06 18:17		
-Hexanone		ND	5.7	0.25	µg/Kg-dry 1	01/17/06 18:17		
-Chlorotoluen		· ND	2.9	0.18	µg/Kg-dry 1	01/17/06 18:17		
-Methyl-2-pen	tanone	ND	5.7	0.28	µg/Kg-dry 1	01/17/06 18:17		
cetone		2.4 J	11	0.45	μg/Kg-dry 1	01/17/06 18:17		
lenzene	•	ND	2.9	0.10	µg/Kg-dry 1	01/17/06 18:17		
romobenzene		ND	2.9	0.17	µg/Kg-dry 1	01/17/06 18:17		
romochlorom		ND	2.9	0.18	µg/Kg-dry 1	01/17/06 18:17		
romodichloror	methane	ND	2.9	0.09	µg/Kg-dry 1	01/17/06 18:17		
Iromotorm		ND	2.9	0.07	µg/Kg-dry 1	01/17/06 18:17		
romomethane		ND	5.7	0.34	µg/Kg-dry 1	01/17/06 18:17		
Qualifiers:	B Analyte detected in the			E Valu	e exceeds the instrument calib	ration range		
,	H Holding times for prep			J Analy	yte detected below the PQL			
	ND Not Detected at the Pra S Spike Recovery outsid			P Prim.	/Conf. column %D or RPD er	ccccds limit		

## LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

CLIENT: O'Brien & Gere Eng Project: Geneva Foundry W Order: 0601050 Matrix: SOIL Inst. ID: MS03 10			Collection Date Reco	eived: 01/12/06	- <b>D</b> 14:30
Inst. ID:         MS03 10           ColumnID:         Rtx-VMS           Revision:         01/20/06 10:08:39 4	Sample Size %Moisture: A TestCode:	-	PrepDate BatchNo: L FileID:		-J8243.D
Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyze
VOLATILE ORGANIC COMPOU	NDS BY GC/MS	S	W8260B		
Carbon disulfide	ND	2,9	0.07	µg/Kg-dry 1	01/17/06 18:17
Carbon tetrachloride	ND	2.9	0.13	µg/Kg-dry 1	01/17/06 18:17
Chlorobenzene	ND	2.9	0.10	µg/Kg-dry 1	01/17/06 18:17
Chloroethane	ND	5.7	0.33	µg/Kg-dry 1	01/17/06 18:17
Chloroform	ND	2.9	0.05	µg/Kg-dry 1	01/17/06 18:17
Chloromethane	ND	5.7	0.44	µg/Kg-dry 1	01/17/06 18:17
is-1,2-Dichloroethene	ND	2.9 。	0.13	µg/Kg-dry 1	01/17/06 18:17
is-1,3-Dichloropropene	ND	2.9	0.10	µg/Kg-dry 1	01/17/06 18:17
libromochloromethane	ND	2.9	0.15	µg/Kg-dry 1	01/17/06 18:17
ibromomethane	ND	2.9	0.13	µg/Kg-dry 1	01/17/06 18:17
ichlorodifluoromethane	ND	5.7	0.09	µg/Kg-dry 1	01/17/06 18:17
thylbenzene	ND	2.9	0.11	µg/Kg-dry 1	01/17/06 18:17
exachlorobutadiene	ND	5.7	0.45	µg/Kg-dry 1	01/17/06 18:17
opropylbenzene	ND	2.9	0.09	µg/Kg-dry 1	01/17/06 18:17
lethyl tert-butyl ether	NĎ	2.9	0.08	µg/Kg-dry 1	01/17/06 18:17
lethylene chloride	0.91 J	5.7	0.46	µg/Kg-dry 1	01/17/06 18:17
Butylbenzene	ND	2.9	0.14	µg/Kg-dry 1	01/17/06 18:17
-Propylbenzene	ND	2.9	. 0.10	µg/Kg-dry 1	01/17/06 18:17
aphthalene	ND	5.7	0.42	µg/Kg-dry 1	01/17/06 18:17
Isopropyltoluene	ND	2.9	0.10	µg/Kg-dry 1	01/17/06 18:17
ec-Butylbenzene	ND	2.9	0.15	µg/Kg-dry 1	01/17/06 18:17
lyrene	ND	2.9	0.11	µg/Kg-dry 1	01/17/06 18:17
rt-Butylbenzene	ND	2.9	0.15	µg/Kg-dry 1	01/17/06 18:17
etrachloroethene	ND	2.9	0.16	µg/Kg-dry 1	01/17/06 18:17
bluene	ND	2.9	0.14	µg/Kg-dry 1	01/17/06 18:17
ans-1,2-Dichloroethene	ND	2.9	0.11	µg/Kg-dry 1	01/17/06 18:17
ans-1,3-Dichloropropene	ND	2.9	0,10	µg/Kg-dry 1	01/17/06 18:17
ichloroethene	ND	2.9	0.13	µg/Kg-dry 1	01/17/06 18:17
ichlorofluoromethane	ND	5.7	0.09	µg/Kg-dry 1	01/17/06 18:17
nyl chloride	ND	5.7	0.09	µg/Kg-dry 1	01/17/06 18:17
vienes (total)	ND	5.7	0.21	µg/Kg-dry 1	01/17/06 18:17
Surr: 1,2-Dichloroethane-d4	88.2	71-128	0.15	%REC 1	01/17/06 18:17
Surr: 4-Bromofluorobenzene	64.1	59-125	0.10	%REC 1	01/17/06 18:17
Surr: Dibromofluoromethane	· 100	40-156	0.21	%REC 1	01/17/06 18:17
Surr. Toluene-d8	90.7	75-125	0.14	%REC 1	01/17/06 18:17
	the associated Method reparation or analysis Practical Quantitation	exceeded	J Analyte	ceeds the instrument ca detected below the PQL onf. column %D or RPD	

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander

### **Analytical Results**

CLIENT: O'Brien & Gere Eng Project: Geneva Foundry W Order: 0601050 Matrix: WATER	ineers, Inc.		Lab ID: Client Sam Collection Date Receiv	Date:	0601050-006A 1/10 EOUIP BLANK 01/10/06 16:00 01/12/06 0:00		
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 10:08:39 A	Sample Size %Moisture TestCode:		PrepDate: BatchNo: FileID:		R4228 1-SAMP-J1	3244.D	
Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyze	
VOLATILE ORGANIC COMPOUN	DS BY GC/MS	SV	V8260B				
1,1,1,2-Tetrachlorcethane	ND	2.5	0.11	µg/Kg	1	01/17/06 18:52	
1,1,1-Trichloroethane	ND	2.5	0.10	µg/Kg		01/17/06 18:52	
1,1,2,2-Tetrachioroethane	ND	2.5	0.16	µg/Kg		01/17/06 18:52	
1,1,2-Trichioro-1,2,2- rifluoroethane	ND	2.5	0.10	µg/Kg		01/17/06 18:52	
1,1,2-Trichloroethane	ND	2.5	0.11	µg/Kg	1 .	01/17/06 18:52	
1,1-Dichloroethane	ND	2.5	0.10	µg/Kg		01/17/06 18:52	
, 1-Dichloroethene	ND	2.5	0.14	µg/Kg		01/17/06 18:52	
1,1-Dichloropropene	ND	2.5	0.10	µg/Kg		01/17/06 18:52	
,2,3-Trichlorobenzene	ND	5.0	0.50	µg/Kg	1	01/17/06 18:52	
,2,3-Trichloropropane	ND	2.5	0.17	µg/Kg	1	01/17/06 18:52	
,2,4-Trichlorobenzene	ND	5.0	0.34	µg/Kg	1	01/17/06 18:52	
,2,4-Trimethylbenzene	ND	2.5	0.11	µg/Kg	1	01/17/06 18:52	
,2-Dibromo-3-chloropropane	ND	5.0	0.40	µg/Kg	1	01/17/06 18:52	
,2-Dibromoethane	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
,2-Dichlorobenzene	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
,2-Dichloroethane	ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
,2-Dichloropropane	ND	2.5	0.06	µg/Kg	1	01/17/06 18:52	
,3,5-Trimethylbenzene	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
,3-Dichlorobenzene	ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
,3-Dichloropropane	ND	2.5	0.08	µg/Kg	1	01/17/06 18:52	
,4-Dichlorobenzene	ND	2.5	0.13	µg/Kg	1	01/17/06 18:52	
,2-Dichloropropane	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
Butanone	ND	10	0.14	µg/Kg	1	01/17/06 18:52	
-Chlorotoluene	ND	2.5	0.07	µg/Kg	1	01/17/06 18:52	
-Hexanone	ND	5.0	0.22	µg/Kg	1	01/17/06 18:52	
-Chlorotoluene	ND	2.5	0.16	µg/Kg	1	01/17/06 18:52	
-Methyl-2-pentanone	ND	5.0	0.24	µg/Kg	1	01/17/06 18:52	
cetone	1.8 J	10	0.39	µg/Kg	. 1	01/17/06 18:52	
enzene	ND ·	2.5	0.09	µg/Kg	1	01/17/06 18:52	
romobenzene	ND	2.5	0.15	µg/Kg	1	01/17/06 18:52	
romochioromethane	ND	2.5	0.16	µg/Kg	1	01/17/06 18:52	
romodichloromethane	ND	2.5	0.08	µg/Kg	<sup>1</sup> 1	01/17/06 18:52	
romotorm	ND	2.5	0.06	µg/Kg	1	01/17/06 18:52	
romomethane	ND	5.0	0.30	µg/Kg	1	01/17/06 18:52	
Qualifiers: B Analyte detected in t	he associated Metho	d Blank	E Value exc	eeds the in	nstrument calib	oration range	

S Spike Recovery outside accepted recovery limits.

### Life Science Laboratories, Inc. Anal 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200 StateCer

### **Analytical Results**

CLIENT:	O'Brien & Gere Engine	eers, Inc.		Lab ID:		0601050-	006A	
Project:	Geneva Foundry		-	Client Sa	mple ID:	<i>1/10 EOUIP BLANK</i> 01/10/06 16:00		
W Order:	0601050	• .		Collection				
Matrix:	WATER			Date Rec	eived:	01/12/06 0	:00	
Inst. ID:	MS03 10	Sample Size	: 5 mL	PrepDate				
ColumnID:	Rtx-VMS	%Moisture	•	BatchNo	-	R4228		
Revision:	01/20/06 10:08:39 A	TestCode:	8260S TAGM	L FileD:		1-SAMP-J	8244.D	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyza	
VOLATILE (	ORGANIC COMPOUND	S BY GC/MS	S	W8260B				
Carbon disulfi		ND	2.5	0.06	µg/Kg	1	01/17/06 18:52	
Carbon tetracl	hloride	ND	2.5	0.11	µg/Kg	1	01/17/06 18:52	
Chiorobenzen	e	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
Chloroethane	· · · · · · · · · · · · · · · · · · ·	ND	5.0	0.29	µg/Kg	1	01/17/06 18:52	
Chloroform		ND	2.5	0.04	µg/Kg	1	01/17/06 18:52	
Chloromethan	e	ND	5.0	0.38	µg/Kg	1	01/17/08 18:52	
cis-1,2-Dichloi	roethene	ND	2.5	0.11	µg/Kg	1	01/17/06 18:52	
cis-1,3-Dichlor	ropropene	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
Dibromochlor	methane	· ND	2.5	0.13	µg/Kg	1	01/17/06 18:52	
Dibromometha	ane	ND	2.5	0.11	µg/Kg	1	01/17/06 18:52	
Dichloredifluor	romethane	ND	5.0	0.08	µg/Kg	1	01/17/06 18:52	
Ethylbenzene		ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
Hexachlorobut	adiene	ND	5.0 ·	0.39	µg/Кg	1	01/17/06 18:52	
sopropylbenzo	ene ·	ND	2.5	0.08	µg/Kg	1	01/17/06 18:52	
Methyl tert-but	-	ND	2.5	0.07	µg/Kg	1	01/17/06 18:52	
Viethylene chi	oride	0.61 J	5.0	0.40	µg/Kg.	1	01/17/06 18:52	
n-Butylbenzen		NĎ	2.5	0.12	µg/Kg	1	01/17/06 18:52	
n-Propylbenze	ne	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
Naphthalene		ND	5.0	0.37	µg/Kg	1	01/17/06 18:52	
o-Isopropyttolu		ND	2.5	0.09	µġ/Kg	1	01/17/06 18:52	
sec-Butylbenz	ene	ND	2.5	0.13	µg/Kg	1	01/17/06 18:52	
Styrene		ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
ert-Butylbenze		ND	2.5	0.13	µg/Kg	1	01/17/06 18:52	
<b>Fetrachloroeth</b>	ene	ND	2.5	0.14	µg/Kg	1	01/17/06 18:52	
Foluene		ND ND	2.5	0.12	µg∕Kg	1	01/17/06 18:52	
rans-1,2-Dichi		ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
rans-1,3-Dichl		ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
Frichloroethen		ND	2.5	0.11	µg/Kg	1	01/17/06 18:52	
Frichlorofluoro	methane	ND	5.0	0.08	µg/Kg	1	01/17/06 18:52	
/inyl chloride		ND	5.0	0.08	µg/Kg	1	01/17/06 18:52	
(ylenes (total)		ND	5.0	0.18	µg/Kg	1	01/17/06 18:52	
	chloroethane-d4	87.9	71-128	0.13	%REC		01/17/06 18:52	
	nofluorobenzene	85.7	59-125	0.09	%REC		01/17/06 18:52	
	nofluoromethane	99.9	40-156	0.18	%REC		01/17/06 18:52	
Surr: Toluen	1 <b>6-00</b>	94.0	75-125	0.12	%REC	. 1	01/17/06 18:52	
Qualifiers:	B Analyte detected in the	associated Metho	od Blank	E Value	exceeds the ir	strument cali	bration range	
	H Holding times for prep			<ul><li>E Value exceeds the instrument calibration range</li><li>J Analyte detected below the PQL</li></ul>				
	ND Not Detected at the Pra			P Prim./Conf. column %D or RPD exceeds limit				

NO NOT Detected at the Practical Quantitation Limit (Pd

S Spike Recovery outside accepted recovery limits

### Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200 StateCertNo: 10155 **CLIENT:** O'Brien & Gere Engineers, Inc. Lab ID: 0601050-007A Geneva Foundry W Order: 0601050

0601050 WATER		·		Client Sam Collection I Date Receiv	Date:	<i>1/11 EO</i> 01/11/06 1 01/12/06 0	•
MS03 10 Rtx-VMS 01/20/06 10:08:39 A	Sample Size %Moisture: TestCode:		TAGML	PrepDate: BatchNo: FileID:		R4228 1-SAMP-J8	3245.D
	Result Qu	al PQL	1 -	MDL	Units	DF	Date Analyzed
ORGANIC COMPOUND	S BY GC/MS		SW	8260B		·	
chloroethane	ND	2.5		0.11	µg/Kg	1 <b>1</b>	01/17/06 19:27
- Albana '		_					

VOLATILE ORGANIC COMPOUN	IDS BY GC/MS		SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.5	0.11	µg/Kg	1	01/17/06 19:27
1,1,1-Trichloroethane	ND	2.5	0.10	µg/Kg	1	01/17/06 19:27
1,1,2,2-Tetrachloroethane	ND	2.5	0.16	µg/Kg	1	01/17/06 19:27
1,1,2-Trichloro-1,2,2- trifluoroethane	· <b>ND</b>	2.5	0.10	µg/Kg	1	01/17/06 19:27
1,1,2-Trichloroethane	ND	2.5	0.11	µg/Kg	1	01/17/06 19:27
1,1-Dichloroethane	ND	2.5	0.10	µg/Kg	1	01/17/06 19:23
1,1-Dichloroethene	ND	2.5	0.14	µg/Kg	1	01/17/06 19:2
1,1-Dichloropropene	ND	2.5	0.10	µg/Kg	1	01/17/06 19:2
1,2,3-Trichlorobenzene	ND	5.0	0.50	µg/Kg	1	01/17/06 19:23
1,2,3-Trichloropropane	ND	2.5	0.17	µg/Kg	1	01/17/06 19:23
1,2,4-Trichlorobenzene	ND	5.0	0.34	µg/Kg	1	01/17/06 19:23
1,2,4-Trimethylbenzene	ND	2.5	0.11	µg/Kg	1	01/17/06 19:23
1,2-Dibromo-3-chloropropane	ND	5.0	0.40	µg/Kg	1	01/17/06 19:2
1,2-Dibromoethane	ND	2.5	0.09	µg/Kg	1	01/17/06 19:2
1,2-Dichlorobenzene	ND .	2.5	0.09	µg/Kg	1	01/17/06 19:2
,2-Dichloroethane	ND	2.5	0.10	µg/Kg	1	01/17/06 19:2
1,2-Dichloropropane	· ND	2.5	0.08	µg/Kg	1	01/17/06 19:2
,3,5-Trimethylbenzene	ND	2.5	0.09	µg/Kg	1	01/17/06 19:2
,3-Dichlorobenzene	. ND	2.5	0.10	µg/Kg	1	01/17/06 19:2
1,3-Dichloropropane	ND	2.5	0.08	µg/Kg	1	01/17/06 19:2
,4-Dichlorobenzene	· ND	2.5	0.13	µg/Kg	1	01/17/06 19:2
2,2-Dichloropropane	ND	2.5	0.09	µg/Kg	1	01/17/06 19:2
2-Butanone	ND	10	0.14	µg/Kg	1	01/17/06 19:27
2-Chlorotoluene	ND	2.5	0.07	μg/Kg	1	01/17/06 19:27
2-Hexanone	ND	5.0	0.22	µg/Kg	1	01/17/06 19:27
I-Chiorotoluene	ND	2.5	0.16	µg/Kg	1	01/17/06 19:27
l-Methyl-2-pentanone	ND	5.0	0.24	µg/Kg	1	01/17/06 19:27
Acetone	1.8 J	10	0.39	μg/Kg	1	01/17/06 19:27
Benzene	ND .	2.5	0.09	μg/Kg	1	01/17/06 19:27
Bromobenzene	ND	2.5	0.15	μg/K <b>g</b>	1	01/17/06 19:27
Bromochloromethane	ND	2.5	0.16	µg/Kg	1	01/17/06 19:27
Bromodichloromethane	ND	2.5	0.08	µg/Kg	·1	01/17/06 19:27
Bromoform	ND	2.5	0.06	µg/Kg	1	01/17/06 19:22
Bromomethane	ND	5.0	0.30	μ <b>g</b> /Kg	1	01/17/06 19:27

**Qualifiers:** 

**Project:** 

Matrix:

Inst. ID:

**Revision:** 

Analyte

ColumnID: Rtx-VMS

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

I Analyte detected below the PQL

ND Not Detected at the Practical Quantitation Limit (PQL)

Spike Recovery outside accepted recovery limits

Prim./Conf. column %D or RPD exceeds limit Р

Value exceeds the instrument calibration range

S

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**Analytical Results** 

ANK

East Syracuse, NY 1305	7 (315	) 437-0200		StateCertNo: 10155				
CLIENT: O'Brien & Gere Engines Project: Geneva Foundry W Order: 0601050 Matrix: WATER Inst. ID: MS03 10 ColumnID: Rtx-VMS	Sample Size: 5 mL			ID: nt Sample ID: ection Date: Received: Date: hNo:	01/11/06 16:00 01/12/06 0:00			
Revision: 01/20/06 10:08:39 A	%Moisture: TestCode:	8260S TAGML			R4228 1-SAMP-J	8245.D		
Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyzed		
OLATILE ORGANIC COMPOUNDS	BY GC/MS	SW	8260B	, }				
Carbon disulfide	ND	2.5	0.06	μg/Kg	1	01/17/06 19:27		
Carbon tetrachloride	ND	2.5	0.11	µg/Kg	1	01/17/06 19:27		
Chlorobenzene	ND	2.5	0.09	µg/Kg	1	01/17/06 19:27		
hloroethane	ND	5.0	0.29	µg/Kg	1	01/17/06 19:27		
hloroform	' ND	2.5	0.04	µg/Kg	1	01/17/06 19:27		
hloromethane	ND .	5.0	0.38	µg/Kg	1	01/17/06 19:27		
s-1,2-Dichloroethene	ND	2.5	0.11	µg/Kg	1	01/17/06 19:27		
s-1,3-Dichloropropena	ND	2.5	0.09	µg/Kg	1	01/17/06 19:27		
ibromochloromethane	ND	2.5	0.13	μg/Kg	1	01/17/06 19:27		
ibromomethane	ND	2.5	0.11	µg/Kg	1	01/17/06 19:27		
ichlorodifluoromethane	ND	5.0	0.08	µg/Kg	1	01/17/06 19:27		
thylbenzene	· ND	2.5	0.10	µg/Kg	· 1	01/17/06 19:27		
exachlorobutadiene	ND	5.0	0.39	µg/Kg	1	01/17/06 19:27		
opropylbenzene	ND	2.5	0.08	µg/Kg	1	01/17/06 19:27		
lethyl tert-butyl ether	ND	2.5	0.07	μg/Kg	<sup>1</sup> 1	01/17/06 19:27		
lethylene chloride	0.62 J	5.0	0.40	µg/Kg	<u></u> 1	01/17/06 19:27		
Butylbenzene	ND	2.5	0.12	µg/Kg	1	01/17/06 19:27		
Propyibenzene	ND	2.5	0.09	µg/Kg	1	01/17/06 19:27		
aphthalene	ND	5.0	0.37	µg/Kg	1	01/17/06 19:27		
-isopropyltoluene	, ND	2.5	0.09	μg/Kg	1	01/17/06 19:27		
ec-Butyibenzene	ND	2.5	0.13	µg/Kg	1	01/17/06 19:27		
tyrene	ND .	2.5	0.10	µg/Kĝ	1	01/17/06 19:27		
rt-Butylbenzene	ND	2.5	0.13	µg/Kg	1	01/17/06 19:27		
etrachloroethene	ND	2.5	0.14	µg/Kg	1	01/17/06 19:27		
oluene .	ND	2.5	0.12	µg/Kg	1	01/17/06 19:27		
ans-1,2-Dichloroethene	ND	2.5	0.10	µg/Kg	1	01/17/06 19:27		
ans-1,3-Dichloropropene	ND	2.5	0.09	µg/Кg	1	01/17/06 19:27		
richloroethene	ND	2.5	0.11	µg/Kg	1	01/17/06 19:27		
richlorofluoromethane	ND	· 5.0	80.0	µg/Kg	່ 1	01/17/06 19:27		
nyl chloride	ND	5.0	80.0	µg/Kg	1	01/17/06 19:27		
vienes (total)	ND	5.0	0.18	µg/Kg	1	01/17/06 19:27		
Surr: 1,2-Dichloroethane-d4	86.7	71-128	0.13	%REC	1	01/17/06 19:27		
Surr: 4-Bromofluorobenzene	81.3	59-125	0.09	%REC	1	01/17/06 19:27		
Sun: Dibromofluoromethane	99.1	40-156	0.18	%REC	1	01/17/06 19:27		
Surr: Toluene-d8	93.3	75-125	0.12	%REC	, <b>1</b>	01/17/06 19:27		
Qualifiers: B Analyte detected in the				value exceeds the in		bration range		
H Holding times for prepa				Analyte detected below the PQL				
ND Not Detected at the Prac S Spike Recovery outside	-		P P	rim./Conf. column	%D or RPD of	exceeds limit		

# LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601050 WATER	eers, Inc.		Lab ID: Client Sam Collection Date Recei	Date:	<b>0601050-0</b> <i>TRIP BL</i> 01/10/06 0: 01/12/06 0:	ANK 00
nst. ID: ColumnID: Revision:	MS03 10 Rtx-VMS 01/19/06 2:30:18 P	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:		R4249 1-SAMP-J8	252.D
Inalyte		Result Qu	al PQL	MDL	Units	DF	Date Analyze
OLATILE O		S BY GC/MS	SW	8260B			
,1,1,2-Tetrach	loroethane	ND	2.5	0.11	µg/Kg	1 -	01/18/06 11:18
,1,1-Trichloro	ethane	ND	2.5	0.10	µg/Kg	1	01/18/06 11:18
,1,2,2-Tetrach	nioroethane	ND	2.5	0.16	µg/Kg	1	01/18/06 11:18
,1,2-Trichloro- ifluoroethane		ND	2.5	0.10	µg/Kg	. 1 .	01/18/06 11:18
,1,2-Trichloro		ND	2.5	0.11	µg/Kg	1	01/18/06 11:18
1-Dichloroeth		ND	2.5	0.10	µg/Kg	1	01/18/06 11:18
1-Dichloroeth		ND	2.5	0.14	µg/Kg	1	01/18/06 11:18
1-Dichloropro	·	ND	2.5	0.10	µg/Kg	1	01/18/06 11:18
2,3-Trichlorol		ND	5.0	0.50	µg/Kg	1	01/18/06 11:18
2,3-Trichlorog	•	ND	2.5	0.17	µg/Kg	1	01/18/06 11:18
2,4-Trichlorol		ND	5.0	0.34	µg/Kg	1	01/18/06 11:18
2,4-Trimethyi		ND	2.5	0.11	µg/Kg	, <b>1</b>	01/18/06 11:18
-	chloropropane	ND	5.0	0.40	µg/Kg	1	01/18/06 11:18
2-Dibromoeth		ND .	2.5	0.09	µg/Kg	1	01/18/06 11:18
2-Dichlorober		ND	2.5	0.09	µg/Kg	1	01/18/06 11:18
2-Dichloroeth	A second s	ND	2.5	0.10	µg/Kg	1	01/18/06 11:18
2-Dichloropro		ND	2,5	0.08	µg/Kg	1	01/18/06 11:18
3,5-Trimethyl		ND	2.5	0.09	∣µg/Kg	1	01/18/06 11:18
3-Dichlorober		ND	2.5	0.10	µg/Kg	1	01/18/06 11:18
3-Dichloropro	-	ND	2.5	0.08	µg/Kg	1	01/18/06 11:18
4-Dichlorober		ND	2.5	0.13	µg/Kg	1	01/18/06 11:18
2-Dichloropro	pane	ND	2.5	0.09	µg/Kg	1	01/18/06 11:18
Butanone		ND	10	0.14	µg/Kg	1	01/18/06 11:18
Chlorotoluene	9	ND ·	2.5	0.07	µg/Kg	1	01/18/06 11:18
Hexanone		ND	5.0	0.22	µg/Kg	1	01/18/06 11:18
Chlorotoluene		ND	2.5	0.16	µg/Kg	1	01/18/06 11:18
Methyl-2-pent	tanone	ND	5.0	0.24	µg/Kg	· 1	01/18/06 11:18
etone	•	1.9 J	10	0.39	µg/Kg	1	01/18/06 11:18
enzene		ND	2.5	0.09	µg/Kg	1	01/18/06 11:18
omobenzene		ND	2.5	0.15	µg/Kg	1	01/18/06 11:18
omochiorome	-	• ND	2.5	0.16	µg/Kg	1	01/18/06 11:18
omodichloror	nethane	ND	2.5	0.08	µg/Kg	1	01/18/06 11:18
omoform		ND	2,5	0.06	µg/Kg	<u> </u>	01/18/06 11:18
omomethane	I	ND	5.0	0.30	′µg/Kg	1	01/18/06 11:18
ualifiers:	B Analyte detected in th	e associated Metho	d Blank	E Value ex	ceeds the in	nstrument calib	ration range
udipli(C) 5;	H Holding times for pre-					low the PQL	

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander

East Syracuse, NY 130		57-0200	StateCertNo: 10155				
CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601050 Matrix: WATER	eers, Inc.		Lab ID: Client Sa Collectio Date Rec	n Date:	<b>0601050-0</b> <b>TRIP BL</b> 01/10/06 0: 01/12/06 0:	ANK 00	
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	Sample Size: 5 %Moisture: TestCode: 8	mL 260S TAGMI	PrepData BatchNo FileID:		R4249 1-SAMP-J8	25 <b>2.D</b>	
Analyte	Result Qual		MDL	Units	5 DF	Date Analyze	
VOLATILE ORGANIC COMPOUND	S BY GC/MS	SV	V8260B			-	
Carbon disulfide	ND	2.5	0.06	µg/Kg	1	01/18/06 11:18	
Carbon tetrachloride	ND	2.5	0.11	µg/Kg		01/18/06 11:18	
Chiorobenzene	ND	2.5	0.09	µg/Kg		01/18/06 11:18	
Chloroethane	ND	5.0	0.29	µg/Kg		01/18/06 11:18	
Chloroform	ND	2.5	0.04	µg/Kg		01/18/06 11:18	
chioromethane	ND	5.0	0.38	μg/Kg		01/18/06 11:18	
is-1,2-Dichloroethene	ND	2.5	0.11	µg/Kg		01/18/06 11:18	
is-1,3-Dichloropropene	ND	2.5	0.09	µg/Kg		01/18/06 11:18	
bioromochloromethane	ND	2.5	0.13	µg/Kg		01/18/06 11:18	
ibromomethane	ND	2.5	0.11	µg/Kg		01/18/06 11:18	
ichlorodifluoromethane	ND	5.0	0.08	µg/Kg		01/18/06 11:18	
thylbenzene	ND	2.5	0.10	µg/Kg		01/18/06 11:18	
lexachlorobutadiene	ND ·	5.0	0.39	µg/Kg		01/18/06 11:18	
opropylbenzene	ND	2.5	0.08	µg/Kg	1	01/18/06 11:18	
lethyl tert-butyl ether	ND ····	2.5	0.07	µg/Kg	1	01/18/06 11:18	
lethylene chloride	ND	5.0	0.40	µg/Kg	1	01/18/06 11:18	
-Butylbenzene	ND	2.5	0.12	µg/Kg	1	01/18/06 11:18	
-Propylbenzene	ND	2.5	0.09	µg/Kg	1	01/18/06 11:18	
laphthalene	ND	5.0	0.37	µg/Kg	1	01/18/06 11:18	
-isopropyltoluene	ND	2.5	0.09	µg/Kg	1	01/18/06 11:18	
ec-Butylbenzene	ND	2.5	0.13	µg/Kg	1	01/18/06 11:18	
tyrene	ND	2.5	0.10	µg/Kg	1	01/18/08 11:18	
ert-Butylbenzene	ND	2.5	0.13	µg/Kg	1	01/18/06 11:18	
etrachloroethene		2.5	0.14	µg/Kg	1	01/18/06 11:18	
oluene	ND	2,5	0.12	µg/Kg	1	01/18/06 11:18	
ans-1,2-Dichlorosthene	ND	2.5	0.10	µg/Kg	1	01/18/06 11:18	
ans-1,3-Dichloropropene	ND	2.5	0.09	µg/Kg	1	01/18/06 11:18	
richloroethene	ND	2.5	0.11	µg/Kg	1	01/18/06 11:18	
richlorofluoromethane	ND	5.0	0.08	µg/Kg	1	01/18/06 11:18	
inyl chloride	ND	5.0	0.08	µg/Kg	1	01/18/06 11:18	
ylenes (total)	ND	5.0	0.18	µg/Kg	1	01/18/06 11:18	
Surr: 1,2-Dichloroethane-d4	84.1	71-128	0.13	%REC	1	01/18/06 11:18	
Surr: 4-Bromofluorobenzene	81,0	<b>59-12</b> 5	0.09	%REC	1	01/18/06 11:18	
Surr: Dibromofluoromethane	97.2	40-156	0.18	%REC	; 1	01/18/06 11:18	
Surr. Toluene-d8	91.9	75-125	0.12	%REC	; 1	01/18/06 11:18	
Qualifiers: B Analyte detected in th			E Value	xceeds the i	nstrument calib	ration range	
H Holding times for prep	paration or analysis exc	ceeded	J Analyt	e detected be	low the PQL		
ND Not Detected at the Pr	actical Quantitation Li	imit (PQL)	P Prim./(	Conf. column	1 %D or RPD ex	ceeds limit	

### Print Date: 01/20/06 10:16

# LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601060 SOIL	eers, Inc.		Lab ID: Client San Collection Date Rece	aple ID: <u>BH-3</u> Date: 01/11/	<b>60-001A</b> <i>0-S</i> 06 16:35 06 15:35
ColumnID;	MS03 10 Rtx-VMS 01/19/06 2:30:18 P	Sample Size %Moisture TestCode:	_	PrepDate: BatchNo: , FileID:	R4249	P-J8255.D
Analyte		Result Qu	ial PQL	MDL	Units DI	Date Analyze
VOLATILE O	RGANIC COMPOUND	S BY GC/MS	SV	/8260B		
1,1,1,2-Tetrach	loroethane	ND	3.2	0.14	µg/Kg-dry 1	01/18/06 13:03
1,1,1-Trichloroe	ethane	ND	3.2	0.13	µg/Kg-dry 1	01/18/06 13:03
1,1,2,2-Tetrach		ND	3.2	0.20	µg/Kg-dry 1	01/18/06 13:03
1,1,2-Trichloro- rifluoroethane	-1,2,2-	ND	3.2	0.13	µg/Kg-dry 1	01/18/06 13:03
1,1,2-Trichloroe		ND	3.2	0.14	µg/Kg-dry 1	01/18/06 13:03
,1-Dichloroeth	апе	ND	3.2	0.13	µg/Kg-dry 1	01/18/06 13:03
,1-Dichloroeth		ND	3.2	0.18	µg/Kg-dry 1	01/18/06 13:03
,1-Dichioropro	pene	ND	3.2	0.13	ug/Kg-dry 1	01/18/06 13:03
,2,3-Trichlorot	benzene	ND	6.3	0.63	ug/Kg-dry 1	01/18/06 13:03
,2,3-Trichlorop	propane	ND	3.2	0,21	· µg/Kg-dry 1	01/18/06 13:03
,2,4-Trichlorot	benzene	ND	6.3	0.43	µg/Kg-dry 1	01/18/06 13:03
,2,4-Trimethyl	benzene	ND	3.2	0.14	µg/Kg-dry 1	01/18/06 13:03
,2-Dibromo-3-	chloropropane	ND	6.3	0.51	µg/Kg-dry 1	01/18/06 13:03
,2-Dibromoeth	ane	ND	3.2	0.11 ·	µg/Kg-dry 1	01/18/06 13:03
,2-Dichlorober	izene	ND	3.2	0.11	µg/Kg-dry 1	01/18/06 13:03
,2-Dichloroeth	ane	ND	3.2	0.13	µg/Kg-dry 1	01/18/06 13:03
,2-Dichloropro	pane	ND	3.2	0.10	µg/Kg-dry 1	01/18/06 13:03
,3,5-Trimethyl	benzene	ND .	3.2	0.11	µg/Kg-dry 1	01/18/06 13:03
,3-Dichlorober	Izene	ND	3.2	0.13	µg/Kg-dry 1	01/18/06 13:03
,3-Dichloropro	pane	ND	3,2	0.10	µg/Kg-dry 1	01/18/06 13:03
,4-Dichlorober	izene	ND ·	3.2	0.16	µg/Kg-dry 1	01/18/06 13:03
,2-Dichloropro	pane	ND	3,2	0.11	µg/Kg-dry 1	01/18/06 13:03
-Butanone	· · ·	ND	13	0.18	µg/Kg-dry 1	01/18/06 13:03
-Chlorotoluene	Э.,	ND	3.2	0.09	µg/Kg-dry 1	01/18/06 13:03
-Hexanone		ND	6.3	0.28	µg/Kg-dry 1	01/18/06 13:03
-Chlorotoluene	9	ND	3.2	0.20	µg/Kg-dry 1	01/18/06 13:03
-Methyl-2-pent	tanone	ND	6.3	0.30	µg/Kg-dry 1	01/18/06 13:03
cetone		2.9 J	13	0.49	µg/Kg-dry 1	01/18/06 13:03
enzene		ND .	3.2	0.11	µg/Kg-dry 1	01/18/06 13:03
romobenzene		ND	3.2	0.19	µg/Kg-dry 1	01/18/06 13:03
romochlorome	thane	ND	3.2	0.20	µg/Kg-dry 1	01/18/06 13:03
Iromodichioron	nethane	ND	3.2	0.10	µg/Kg-dry 1	01/18/06 13:03
Bromoform		ND	3.2	0.08	µg/Kg-dry 1	01/18/06 13:03
Bromomethane	۰ ۱	ND	6.3	0.38	µg/Kg-dry 1	01/18/06 13:03

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

Analyte detected below the PQL J Prim./Conf. column %D or RPD exceeds limit

Р

S Spike Recovery outside accepted recovery limits

**Analytical Results** 

CLIENT: O'Brien & Gere En Project: Geneva Foundry W Order: 0601060 Matrix: SOIL	gineers, Inc.	· .	Lab ID:       0601060-001A         Client Sample ID:       BH-30-S         Collection Date:       01/11/06 16:35         Date Received:       01/12/06 15:35			
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:		249 SAMP-J8	255.D
Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyze
VOLATILE ORGANIC COMPOU	NDS BY GC/MS	SW	8260B			
Carbon disulfide	1.9 J	3.2	0.08	µg/Kg-dry	1	01/18/06 13:03
Carbon tetrachloride	ND	3.2	0.14	µg/Kg-dry		01/18/06 13:03
Chlorobenzene	ND	3.2	0.11	µg/Kg-dry		01/18/06 13:03
Chloroethane	ND	6.3	0.37	µg/Kg-dry		01/18/06 13:03
Chloroform	ND	3.2	0.05	µg/Kg-dry		01/18/06 13:03
Chloromethane	ND	6.3	0.48	µg/Kg-dry		01/18/06 13:03
is-1,2-Dichloroethene	ND	3.2	0.14	µg/Kg-dry	1	01/18/06 13:03
sis-1,3-Dichloropropene	ND	3.2	0.11	µg/Kg-dry	1	01/18/06 13:03
Dibromochloromethane	ND	3.2	0.16	µg/Kg-dry	1	01/18/06 13:03
Dibromomethane	ND	3.2	0.14	µg/Kg-dry	1	01/18/06 13:03
Dichlorodifluoromethane	ND <sup>1</sup>	6.3	0.10	µg/Kg-dry		01/18/06 13:03
thylbenzene	ND	3.2	0.13	µg/Kg-dry	1	01/18/06 13:03
lexachlorobutadiene	ND	6.3	0.49	µg/Kg-dry	1	01/18/06 13:03
sopropylbenzene	ND	3.2	0.10	µg/Kg-dry	1	01/18/06 13:03
lethyl tert-butyl ether	ND	3.2	0.09	µg/Kg-dry	1	01/18/06 13:03
lethylene chloride	5.1 J	6.3	0.51	µg/Kg-dry	1	01/18/06 13:03
-Butylbenzene	ND	3.2	0.15	µg/Kg-dry	1	01/18/06 13:03
-Propylbenzene	ND	3.2	0.11	µg/Kg-dry	1	01/18/06 13:03
laphthalene	0.60 J	6.3	0.47	µg/Kg-dry	1	01/18/06 13:03
-Isopropyitoluene	ND	3.2	0.11	µg/Kg-dry	1	01/18/06 13:03
ec-Butylbenzene	ND	3.2	0.16	.µg/Kg-dry	1	01/18/06 13:03
tyrene	2.1 J	3.2	0.13	µg/Kg-dry	1	01/18/06 13:03
rt-Butylbenzene	ND	3.2	0.16	µg/Kg-dry	1 -	01/18/06 13:03
etrachioroethene	ND	3.2	0.18	µg/Kg-dry	1	01/18/06 13:03
oluene	, 1 <b>.</b> 9 J	3.2	0.15	µg/Kg-dry	1	01/18/06 13:03
ans-1,2-Dichloroethene	ND	3.2	0.13	µg/Kg-dry	1	01/18/06 13:03
ans-1,3-Dichloropropene	ND	3.2	0.11	µg/Kg-dry	1	01/16/06 13:03
richloroethene	ND	3.2	0.14	µg/Kg-dry	1	01/18/06 13:03
richlorofluoromethane	ND	6.3	0.10	µg/Kg-dry	1	01/18/06 13:03
inyl chloride	ND	6.3	0.10	µg/Kg-dry		01/18/06 13:03
ylenes (total)	ND <sup>·</sup>	6.3	0.23	µg/Kg-dry	1	01/18/06 13:03
Surr: 1,2-Dichloroethane-d4	91.3	71-128	0.16	%REC	1	01/18/06 13:03
Surr: 4-Bromofluorobenzene	56.9 S	59-125	<b>0.11</b>	%REC	1	01/16/06 13:03
Surr: Dibromofluoromethane	107	40-156	0.23	%REC	1	01/18/06 13:03
Surr: Toluene-d6	77.4	75-125	0.15	%REC	1	01/18/06 13:03
<b></b>	n the associated Metho preparation or analysis			ceds the instru etected below		ration range

S Spike Recovery outside accepted recovery limits

Print Date: 01/20/06 10:26

East Syracuse, NY 130	57 (315	) 437-0200	·	StateCer	tNo: 10155
CLIENT: O'Brien & Gere Engin Project: Geneva Foundry V Order: 0601060 Matrix: SOIL	eers, Inc.		Lab ID: Client Sar Collection Date Rece	nple ID: <i>BH-36</i> Date: 01/11/0	6 16:35
nst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:03 A	Sample Size %Moisture TestCode:	-	PrepDate: BatchNo: FileID:	R4263 1-RA-J8	280.D
Inalyte	Result Q	al PQL	MDL	Units DF	Date Analyzed
OLATILE ORGANIC COMPOUND	S BY GC/MS	sw	8260B		· .
1,1,2-Tetrachioroethane	ND	3.2	0.14	µg/Kg-dry 1	01/19/06 17:00
1,1-Trichloroethane	ND	3.2	0.13	µg/Kg-dry 1	01/19/06 17:00
1,2,2-Tetrachloroethane	ND	3.2	0.20	µg/Kg-dry 1	01/19/06 17:00
,1,2-Trichloro-1,2,2- ifluoroethane	ND	3.2	0.13	µg/Kg-dry 1	01/19/06 17:00
1,2-Trichloroethane	ND	3.2	0.14	µg/Kg-dry 1	01/19/06 17:00
1-Dichloroethane	ND	3.2	0.13	µg/Kg-dry 1	01/19/06 17:00
1-Dichloroethene	ND	3.2	0.18	µg/Kg-dry 1	01/19/06 17:00
1-Dichloropropene	ND	3.2	0.13	µg/Kg-dry 1	01/19/06 17:00
2,3-Trichlombenzene	ND	6.3	0.63	µg/Kg-dry 1	01/19/06 17:00
2,3-Trichloropropane	ND	3.2	0.21	µg/Kg-dry 1	01/19/06 17:00
2,4-Trichlorobenzene	ND	6.3	0.43	µg/Kg-dry 1	01/19/06 17:00
2,4-Trimethylbenzene	ND	3.2	0.14	µg/Kg-dry 1	01/19/06 17:00
2-Dibromo-3-chloropropane	ND	6.3	0.51	µg/Kg-dry 1	01/19/06 17:00
2-Dibromoethane	ND	3.2	0.11	µg/Kg-dry 1	01/19/06 17:00
2-Dichlorobenzene	ND	3.2	0.11	µg/Kg-dry 1	01/19/06 17:00
2-Dichloroethane	ND	3.2	0.13	µg/Kg-dry 1	01/19/06 17:00
2-Dichloropropane	ND	3.2	0.10	µg/Kg-dry 1	01/19/06 17:00
3,5-Trimethylbenzene	ND	3.2	0.11	µg/Kg-dry 1	01/19/06 17:00
3-Dichlorobenzene	ND	3.2	0.13	µg/Kg-dry 1	01/19/06 17:00
3-Dichloropropane	ND	3.2	0.10	µg/Kg-dry 1	01/19/06 17:00
4-Dichlorobenzene	ND	3.2	0.16	µg/Kg-dry 1	01/19/06 17:00
2-Dichloropropane	NĎ	3.2	0.11	µg/Kg-dry 1	01/19/06 17:00
Butanone	ND	13	0.18	µg/Kg <b>-dry</b> 1	01/19/06 17:00
Chiorotoluene	ND	3.2	0.09	µg/Kg-dry 1	01/19/06 17:00
Hexanone	ND	6.3	0.28	µg/Kg-dry 1	01/19/06 17:00
Chlorotoluene	ND	3.2	0.20	µg/Kg-dry 1	01/19/06 17:00
Methyi-2-pentanone	ND	6.3	0.30	µg/Kg-dry 1	01/19/06 17:00
cetone	4.3 J	13	0.49	µg/Kg-dry 1	01/19/06 17:00
enzene	ND	3.2	0.11	µg/Kg-dry 1	01/19/06 17:00
romobenzene	ND	3.2	0.19	µg/Kg-dry 1	01/19/06 17:00
omochloromethane	ND	3.2	0.20	µg/Kg-dry 1	01/19/06 17:00
romodichloromethane	ND	3.2	0.10	µg/Kg-dry 1	01/19/06 17:00
romoform	ND	3.2	0.08	µg/Kg-dry 1	01/19/06 17:00
romomethane	ND	6.3	0.38	µg/Kg-dry 1	01/19/06 17:00
Qualifiers: B Analyte detected in the	e associated Meth	od Blank	E Value e	xceeds the instrument	calibration range
H Holding times for pre					-

### **Analytical Results**

CLIENT: O'Brien & Gere Project: Geneva Foundr W Order: 0601060 Matrix: SOIL	e Engineers, Inc. y			Lab ID:         0601060-001A           Client Sample ID:         BH-30-S           Collection Date:         01/11/06 16:35           Date Received:         01/12/06 15:35			
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/20/06 9:58:0	Sample Size: %Moisture: 03 A TestCode:		Bate	Date: hNo: R4263 D: 1-RA-J8286	).D		
Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyze		
VOLATILE ORGANIC COMP			8260B				
Carbon disulfide	1.1 J	3.2	0.08	µg/Kg-dry 1	01/19/06 17:00		
Carbon tetrachloride	ND	3.2	0.14	µg/Kg-dry 1	01/19/06 17:00		
Chlorobenzene	ND	3.2	0.11	µg/Kg-dry 1	01/19/06 17:00		
Chloroethane	ND	6.3	0.37	µg/Kg-dry 1	01/19/06 17:00		
Chloroform	ND	3.2	0.05	µg/Kg-dry 1	01/19/06 17:00		
Chloromethane	ND	6.3	0.48	µg/Kg-dry 1	01/19/06 17:00		
xis-1,2-Dichloroethene	ND	3.2	0.14	μg/Kg-dry i	01/19/06 17:00		
is-1,3-Dichloropropene Dibromochloromethane	ND	3.2	0.11	μg/Kg-dry 1	01/19/06 17:00		
Dioromocritoromethane	ND	3.2	0.16	µg/Kg-dry 1	01/19/06 17:00		
	ND	3.2	0.14	µg/Kg-dry 1	01/19/06 17:00		
Dichlorodifluoromethane	ND	6.3	0.10	µg/Kg-dry 1	01/19/06 17:00		
Ethylbenzene fexachlorobutadiene	ND	3.2	0.13	µg/Kg-dry 1	01/19/06 17:00		
	ND	6.3	0.49	µg/Kg-dry 1	01/19/06 17:00		
sopropylbenzene /lethyl tert-butyl ether	ND	3.2	0.10	µg/Kg-dry 1	01/19/06 17:00		
lethylene chloride	ND	3.2	0.09	µg/Kg-dry 1	01/19/06 17:00		
-Butylbenzene	1.9 J	6.3	0.51	µg/Kg-dry 1	01/19/06 17:00		
-Buybenzene	ND ND	3.2	0.15	µg/Kg-dry 1	01/19/06 17:00		
laphthalene		3.2 6.3	0.11	µg/Kg-dry 1	01/19/06 17:00		
	ND ND	6.3 3.2	0.47	µg/Kg-đry 1 ug/Kg-day 1	01/19/06 17:00		
ec-Butylbenzene	ND	3.2	0.11	μg/Kg-dry 1	01/19/06 17:00		
Styrene	1.7 J	3.2 3.2	0.16 0.13	µg/Kg-dry 1 ug/Kg-dry 1	01/19/06 17:00		
ert-Butylbenzene	ND	3.2 3.2	0.15	µg/Kg-dry 1 ug/Kg day 1	01/19/06 17:00		
etrachloroethene	ND	3.2 3.2	0.16	µg/Kg-dry 1 ug/Kg-day 1	01/19/06 17:00		
oluene	0.77 J	3.2 3.2	0.15	µg/Kg-dry 1 ug/Kg-dry 1	01/19/06 17:00		
ans-1,2-Dichloroethene	ND	3.2	0.15	µg/Kg-dry 1 µg/Kg-dry 1	01/19/06 17:00		
ans-1,3-Dichloropropene	ND	3.2 3.2	0.13	µg/Kg-dry 1 ug/Kg-dry 1	01/19/06 17:00 01/19/06 17:00		
richloroethene	ND	3.2 3.2	0.14	μg/Kg-dry 1 μg/Kg-dry 1			
richlorofluoromethane	0.93 J	5.2 6.3	0.14	µg/Kg-dry 1	01/19/06 17:00 01/19/06 17:00		
Invi chioride	ND	6.3	0.10	µg/Kg-dry 1	01/19/06 17:00		
ylenes (total)	ND	6.3	0.23	μg/Kg-dry 1 μg/Kg-dry 1	01/19/06 17:00		
Sur: 1,2-Dichloroethane-d4	92.5	71-128	0.16	%REC 1	01/19/06 17:00		
Surr: 4-Bromofluorobenzene	56.4 S	59-125	0.10	%REC 1	01/19/06 17:00		
Sur: Dibromofluoromethane	108	40-156	0.23	%REC 1	01/19/06 17:00		
Sun. Toluene-d8	76.7	75-125	0.15	%REC 1	01/19/06 17:00		
Qualifiers: B Analyte detect	ted in the associated Method	1 Blank	EV	alue exceeds the instrument calib	ration range		
	s for preparation or analysis			nalyte detected below the PQL	2 <b></b>		
		ical Quantitation Limit (PQL)		rim./Conf. column %D or RPD e			

Project Supervisor: Thomas A. Alexander

East Syracuse, NY 130	57 (315	) 437-0200		StateCe	ertNo: 10155
CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601060 Matrix: SOIL	· ·		Collection Date Rece	<b>bile ID: BH-3 Date:</b> 01/12/ <b>ived:</b> 01/12/	<b>)60-002A</b> 3 <b>2-S</b> 106 10:15 106 15:35
Inst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	Sample Size %Moisture TestCode:		PrepDate: BatchNo: FileID:	R4249	<b>IP-J8256.D</b>
Analyte	Result Qu	······	MDL	Units D	
VOLATILE ORGANIC COMPOUND	S BY GC/MS	SV	/8260B		
1,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dry 1	01/18/06 13:38
I,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-dry 1	01/18/06 13:38
1,1,2,2-Tetrachloroethane	ND	3.1	0.20	µg/Kg-dry 1	01/18/06 13:38
I,1,2-Trichloro-1,2,2- rifluoroethane	ND	3.1	0.12	µg/Kg-dry 1	01/18/06 13:38
,1,2-Trichloroethane	. ND	. 3.1	0.14	µg/Kg-dry 1	01/18/06 13:38
,1-Dichloroethane	ND	3.1	0.12	µg/Kg-dry 1	01/18/06 13:38
,1-Dichloroethene	ND	3.1	0.17	µg/Kg-dry 1	01/18/06 13:38
,1-Dichloropropene	ND	<b>3.</b> 1	0.12	µg/Kg-dry 1	01/18/06 13:38
,2,3-Trichlorobenzene	ND	6.2	0.62	µg/Kg-dry 1	01/18/06 13:38
2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-dry 1	01/18/06 13:38
2,4-Trichlorobenzene	ND	6.2	0.42	µg/Kg-dry 1	01/18/06 13:38
,2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-dry 1	01/18/06 13:38
,2-Dibromo-3-chloropropane	ND	6.2	0.50	µg/Kg-dry 1	01/18/06 13:38
2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry 1	01/18/06 13:38
2-Dichlorobenzene	ND	3.1	0.11	µg/Kg-dry 1	01/18/06 13:38
,2-Dichloroethane	ND	3.1	0.12	µg/Kg-dry 1	01/18/06 13:38
,2-Dichloropropane	ND	3.1	0.10	µg/Kg-dry 1	01/18/06 13:38
,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry 1	01/18/06 13:38
,3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-dry 1	01/18/06 13:38
,3-Dichloropropane	ND	3.1	0.10	µg/Kg-dry 1	01/18/06 13:38
4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-dry 1	01/18/06 13:38
,2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry 1	01/18/06 13:38
Butanone	ND	12	0.17	µg/Kg-dry 1	01/18/06 13:38
-Chlorotoluene	ND	3.1	0.09	µg/Kg-dry 1	01/18/08 13:38
-Hexanone	ND	6.2	0.27	ug/Kg-dry 1	01/18/06 13:38
-Chiorotoluene	ND	3.1	0.20	µg/Kg-dry 1	01/18/06 13:38
-Methyl-2-pentanone	ND	6.2	0.30	µg/Kg-dry 1	01/18/06 13:38
cetone	1.6 J	12	0.48	µg/Kg-dry 1	01/18/06 13:38
enzene	ND	3.1	0.11	µg/Kg-dry 1	01/18/06 13:38
	ND	3.1	0.19	µg/Kg-dry 1	01/18/06 13:38
romochloromethane	ND	3.1	0.20	µg/Kg-dry 1	01/18/06 13:38
romodichloromethane	ND	3.1	0.10	µg/Kg-dry 1	01/18/06 13:38
romoform romomethane	ND ND	3.1 6.2	0.07 0.37	µg/Kg-dry 1 µg/Kg-dry 1	01/18/06 13:38 01/18/06 13:38
Qualifiers: B Analyte detected in th H Holding times for pre ND Not Detected at the Pr	paration or analysis	exceeded	J Analyte	ceeds the instrumen detected below the F onf: column %D or F	QL

# LSL 5000 Brittonfield Parkway, Suite 200

CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601060 Matrix: SOIL		· .	Lab ID:         0601060-002A           Client Sample ID:         BH-32-S           Collection Date:         01/12/06 10:15           Date Received:         01/12/06 15:35					
Inst. ID: MS03 10 ColumnID: Rtx-VMS				PrepDate: BatchNo: R4249				
<b>Revision:</b> 01/19/06 2:30:18 P	TestCode:	8260S TAGML	File	ID: 1-SAMP-J8	256.D			
Analyte	Result Qu	al PQL	MD	L Units DF	Date Analyze			
VOLATILE ORGANIC COMPOUND	S BY GC/MS	SW	82608	3				
Carbon disulfide	ND	3.1	0.07	µg/Kg-dry 1	01/18/06 13:38			
Carbon tetrachloride	ND	3.1	0.14	µg/Kg-dry 1	01/18/06 13:38			
Chlorobenzene	ND	3.1	0.11	µg/Kg-dry 1	01/18/06 13:38			
Chloroethane	· ND	6.2	0.36	µg/Kg-dry 1	01/18/06 13:38			
Chloroform	ND	3.1	0.05	µg/Kg-dry 1	01/18/06 13:38			
Chloromethane	ND	<b>6.2</b>	0.47	µg/Kg-dry 1	01/18/06 13:38			
cis-1,2-Dichloroethene	ND	3.1	<b>0.14</b>	µg/Kg-dry 1	01/18/06 13:38			
cis-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry 1	01/18/06 13:38			
Dibromochloromethane	ND	3.1	0.16	µg/Kg-dry 1	01/18/06 13:38			
Dibromomethane	ND	3.1	0.14	µg/Kg-dry 1	01/18/06 13:38			
Dichlorodifluoromethane	ND	6.2	0.10	µg/Kg-dry 1	01/18/06 13:38			
Ethylbenzene Jovenblombutediene	ND	3.1	0.12	µg/Kg-dry 1	01/18/06 13:38			
Hexachlorobutadiene	. ND .	6.2	0.48	µg/Kg-dry 1	01/18/06 13:38			
sopropylbenzene	ND	3.1	0.10	µg/Kg-dry 1	01/18/06 13:38			
Methyl tert-butyl ether	ND	3.1	0.09	µg/Kg-dry 1	01/18/06 13:38			
Methylene chloride	1.4 J	6.2	0.50	µg/Kg-dry 1	01/18/06 13:38			
n-Butylbenzene n-Propylbenzene	ND	3.1	0.15	µg/Kg-dry 1	01/18/06 13:38			
Naphthalene	ND	3.1	0.11	µg/Kg-dry 1	01/18/06 13:38			
vapninalene D-Isopropyitoluene	ND ND	6.2	0.46	µg/Kg-dry 1	01/18/06 13:38			
ec-Butybenzene	ND	3.1	0.11	µg/Kg-dry 1	01/18/06 13:38			
Styrene	ND	3.1	0.18	µg/Kg-dry 1	01/18/06 13:38			
ert-Butylbenzene	ND	3.1	0.12	µg/Kg-dry 1	01/18/06 13:38			
Fetrachloroethene	ND 47	3.1	0.16	µg/Kg-dry 1	01/18/06 13:38			
Foluene	4.7 ·	3.1	0.17	µg/Kg-dry 1	01/18/06 13:38			
rans-1,2-Dichloroethene	ND	3.1	0.15	µg/Kg-dry 1	01/18/06 13:38			
rans-1,3-Dichloropropene	ND	3.1	0.12	µg/Kg-dry 1	01/18/06 13:38			
Tichloroethene	ND	3.1	0.11	µg/Kg-dry 1	01/18/06 13:38			
richlorofluoromethane	ND	3.1	0.14	µg/Kg-dry 1	01/18/06 13:38			
/inyl chioride	· ND	6.2	0.10	µg/Kg-dry 1	01/18/06 13:38			
(ylenes (total)	ND ND	6.2 8 2	0.10	µg/Kg-dry 1	01/18/06 13:38			
Surr: 1,2-Dichloroethane-d4	ND 84.2	6.2 71-139	0.22 0.16	µg/Kg-dry 1	01/18/08 13:38			
Surr: 4-Bromofluorobenzene	04.∠ 75.1	71-128		%REC 1	01/18/06 13:38			
Surr: Dibromofluoromethane	98.7	59-125 40-156	0.11	%REC 1	01/18/06 13:38			
Surr: Toluene-d8	90.9	40-156 75-125	0.22 0.15	%REC 1 %REC 1	01/18/06 13:38 01/18/06 13:38			
Ouglifiers B Analyte detected in the	anopioted Math-			·····				
Yuumina,				Value exceeds the instrument calib	ration range			
				Analyte detected below the PQL				
ND Not Detected at the Pr S Spike Recovery outsid	-		<b>P</b> 1	Prim./Conf. column %D or RPD ex	kceeds limit			

VOLATILE ORGANIC COMPOUNDS BY GC/MS         SW8260B           1,1,2-Tetrachloroethane         ND         2.9         0.13         µg/Kg-dry 1         0/1/8           1,1,1-Trichloroethane         ND         2.9         0.12         µg/Kg-dry 1         0/1/8           1,1,2-Trichloroethane         ND         2.9         0.12         µg/Kg-dry 1         0/1/8           1,1,2-Trichloroethane         ND         2.9         0.13         µg/Kg-dry 1         0/1/8           1,12-Trichloroethane         ND         2.9         0.13         µg/Kg-dry 1         0/1/8           1,12-Trichloroethane         ND         2.9         0.16         µg/Kg-dry 1         0/1/8           1,1-Dichloroethane         ND         2.9         0.12         µg/Kg-dry 1         0/1/8           1,2,3-Trichlorobenzene         ND         2.9         0.12         µg/Kg-dry 1         0/1/8           1,2,4-Trichlorobenzene         ND         2.9         0.20         µg/Kg-dry 1         0/1/8           1,2,4-Trichlorobenzene         ND         2.9         0.13         µg/Kg-dry 1         0/1/8           1,2,4-Trichlorobenzene         ND         2.9         0.11         µg/Kg-dry 1         0/1/8           1,2-Dichlorobenzene <th>East Syracuse, NY 1</th> <th>3057 (315</th> <th>) 437-0200</th> <th>·</th> <th>Stat</th> <th>eCertNo</th> <th>o: 10155</th>	East Syracuse, NY 1	3057 (315	) 437-0200	·	Stat	eCertNo	o: 10155
ColumnID:         Rtx-VMS         %Moisture:         15.1         BatchNo:         R4/249           Revision:         01/19/06 2:30:18 P         TestCode:         8260S TAGML         FileID:         1-SAMP-J8257.D           Analyte         Result Qual PQL         MDL         Units         DF         Date           VOLATILE ORGANIC COMPOUNDS BY GC/MS         SW8260B         11.1.2-Tetrachloroethane         ND         2.9         0.13         µg/Kg-dry 1         01/18           1.1,1.2-Tetrachloroethane         ND         2.9         0.12         µg/Kg-dry 1         01/18           1.1,2.2-Tetrachloroethane         ND         2.9         0.12         µg/Kg-dry 1         01/18           1.1,2.2-Tetrachloroethane         ND         2.9         0.12         µg/Kg-dry 1         01/18           1.1,2.2-Tetrachloroethane         ND         2.9         0.12         µg/Kg-dry 1         01/18           1.1,2.2-Trichloroethane         ND         2.9         0.12         µg/Kg-dry 1         01/18           1.1-Dichloroethane         ND         2.9         0.12         µg/Kg-dry 1         01/18           1.2.3-Trichloropopane         ND         2.9         0.20         µg/Kg-dry 1         01/18           1.2.4-Trichior	oject: Geneva Foundry Order: 0601060	incers, Inc.	· · · ·	Client Sar Collection	nple ID: <u>B</u> Date: 01	<b>H-32-D</b> /12/06 1	<b>)</b> 0:30
VOLATILE ORGANIC COMPOUNDS BY GC/MS         SW8260B           1,1,1,2-Tetrachloroethane         ND         2.9         0.13         µg/Kg-dry 1         01/18           1,1,2-Tetrachloroethane         ND         2.9         0.12         µg/Kg-dry 1         01/18           1,1,2-Tetrachloroethane         ND         2.9         0.12         µg/Kg-dry 1         01/18           1,1,2-Trichloro-1,2,2-         ND         2.9         0.12         µg/Kg-dry 1         01/18           1,1,2-Trichloroethane         ND         2.9         0.12         µg/Kg-dry 1         01/18           1,1-Dichloroethane         ND         2.9         0.12         µg/Kg-dry 1         01/18           1,1-Dichloroethane         ND         2.9         0.12         µg/Kg-dry 1         01/18           1,1-Dichloroethane         ND         2.9         0.12         µg/Kg-dry 1         01/18           1,2,3-Trichloroptopene         ND         2.9         0.13         µg/Kg-dry 1         01/18           1,2,4-Trichloroptopane         ND         2.9         0.13         µg/Kg-dry 1         01/18           1,2,4-Trichloroptopane         ND         2.9         0.11         µg/Kg-dry 1         01/18           1,2,4-Trichloroptopa	lumnID: Rtx-VMS	%Moisture:	15.1	BatchNo:	R4		3257.D
1,1,1,2-Tetrachloroethane       ND       2.9       0.13       µg/Kg-dry       1       01/18         1,1,1-Trichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1,2-Z-Tetrachloroethane       ND       2.9       0.19       µg/Kg-dry       1       01/18         1,1,2-Trichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1,2-Trichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,2-Trichlorobenzene       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,2-Trichloroporpane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,2-Trichlorobenzene       ND       2.9       0.13       µg/Kg-dry       1       01/18         1,2-Trichlorobenzene       ND       2.9       0.14	alyte	Result Qu	al PQL	MDL	Units	DF	Date Analyze
1,1,1,2-Tetrachloroethane       ND       2.9       0.13       µg/Kg-dry       1       01/18         1,1,1-Trichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1,2,2-Tetrachloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1,2-Trichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1,2-Trichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,2,3-Trichlorobenzene       ND       2.9       0.20       µg/Kg-dry       1       01/18         1,2,4-Trichlorobenzene       ND       5.9       0.40       µg/Kg-dry       1       01/18         1,2,4-Trichlorobenzene       ND       2.9       0.11       µg/Kg-dry       1       01/18         1,2,4-Trichlorobenzene       ND       2.9       0.	LATILE ORGANIC COMPOUN	IDS BY GC/MS	SW	8260B			· .
1,1,1-Trichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1,2,2-Tetrachloroethane       ND       2.9       0.19       µg/Kg-dry       1       01/18         1,1,2-Trichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1,2-Trichloroethane       ND       2.9       0.13       µg/Kg-dry       1       01/18         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1-Dichloropthane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,2,3-Trichloroptopane       ND       5.9       0.59       µg/Kg-dry       1       01/18         1,2,4-Trinchoroptopane       ND       5.9       0.40       µg/Kg-dry       1       01/18         1,2-Dichlorobenzene       ND       2.9       0.11       µg/Kg-dry       1       01/18         1,2-Dichloroptopane       ND       2.9       0.11       µg/Kg-dry       1       01/18         1,2-Dichloroptopane       ND       2.9       0.11	1,2-Tetrachloroethane	ND			ua/Ka-drv	1	01/18/06 14:13
1,1,2,2-Tetrachloroethane       ND       2.9       0.19       µg/Kg-dry       01/16         1,1,2-Trichloro-1,2,2-       ND       2.9       0.12       µg/Kg-dry       01/18         1,1,2-Trichloroethane       ND       2.9       0.13       µg/Kg-dry       1       01/18         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18         1,1-Dichloropene       ND       2.9       0.20       µg/Kg-dry       1       01/18         1,2,3-Trichloropenae       ND       5.9       0.40       µg/Kg-dry       1       01/18         1,2,4-Trichlorobenzene       ND       2.9       0.13       µg/Kg-dry       1       01/18         1,2-Dibromosthane       ND       2.9       0.11       µg/Kg-dry       1       01/18         1,2-Dichloropropane       ND       2.9       0.11       µg/Kg-dry       1       01/18         1,2-Dichloropropane       ND       2.9       0.11       µg/Kg-dry       1	1-Trichloroethane						01/18/06 14:13
1,1,2-Trichloro-1,2,2-       ND       2.9       0.12       µg/Kg-dry       1       01/18,         influoroethane       ND       2.9       0.13       µg/Kg-dry       1       01/18,         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18,         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18,         1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18,         1,2,3-Trichlorobenzane       ND       2.9       0.12       µg/Kg-dry       1       01/18,         1,2,4-Trichlorobenzane       ND       2.9       0.12       µg/Kg-dry       1       01/18,         1,2,4-Trichlorobenzane       ND       2.9       0.20       µg/Kg-dry       1       01/18,         1,2,4-Trichlorobenzane       ND       2.9       0.13       µg/Kg-dry       1       01/18,         1,2,4-Trichlorobenzane       ND       2.9       0.13       µg/Kg-dry       1       01/18,         1,2-Dichlorobenzane       ND       2.9       0.11       µg/Kg-dry       1       01/18,         2.9-Dichlorobenzane       ND       2.9       0.12 <td></td> <td>ND</td> <td>-</td> <td></td> <td></td> <td></td> <td>01/18/06 14:13</td>		ND	-				01/18/06 14:13
1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18,         1,1-Dichloropropene       ND       2.9       0.16       µg/Kg-dry       1       01/18,         1,2-Dichloropropene       ND       2.9       0.12       µg/Kg-dry       1       01/18,         1,2,3-Trichlorobenzene       ND       5.9       0.59       µg/Kg-dry       1       01/18,         1,2,4-Trichlorobenzene       ND       5.9       0.40       µg/Kg-dry       1       01/18,         1,2,4-Trichlorobenzene       ND       5.9       0.40       µg/Kg-dry       1       01/18,         1,2-Lichlorobenzene       ND       5.9       0.47       µg/Kg-dry       1       01/18,         1,2-Dibromo-3-chloropropane       ND       5.9       0.47       µg/Kg-dry       1       01/18,         1,2-Dichlorobenzene       ND       2.9       0.11       µg/Kg-dry       1       01/18,         1,2-Dichloropropane       ND       2.9       0.12       µg/Kg-dry       1       01/18,         1,2-Dichloropropane       ND       2.9       0.12       µg/Kg-dry       1       01/18,         1,3-Dichloropropane       ND       2.9       0.	loroethane				· · · ·		01/18/06 14:13
1,1-Dichloroethane       ND       2.9       0.12       µg/Kg-dry       1       01/18.         1,1-Dichloroethene       ND       2.9       0.16       µg/Kg-dry       1       01/18.         1,1-Dichloroptopene       ND       2.9       0.12       µg/Kg-dry       1       01/18.         1,2.3-Trichlorobenzene       ND       5.9       0.59       µg/Kg-dry       1       01/18.         1,2.3-Trichlorobenzene       ND       5.9       0.40       µg/Kg-dry       1       01/18.         1,2.4-Trichloropropane       ND       5.9       0.40       µg/Kg-dry       1       01/18.         1,2-Dirborno-3-chloropropane       ND       5.9       0.47       µg/Kg-dry       1       01/18.         1,2-Dichlorobenzene       ND       2.9       0.11       µg/Kg-dry       1       01/18.         1,2-Dichlorobenzene       ND       2.9       0.11       µg/Kg-dry       1       01/18.         1,2-Dichlorobenzene       ND       2.9       0.12       µg/Kg-dry       1       01/18.         1,2-Dichlorobenzene       ND       2.9       0.12       µg/Kg-dry       1       01/18.         1,2-Dichlorobenzene       ND       2.9       0.		ND	2.9	0.13	µg/Kg-dry	1	01/18/06 14:13
1.1-Dichloropropene       ND       2.9       0.12       µg/Kg-dry       1       0.116.0         1.2.3-Trichlorobenzene       ND       5.9       0.59       µg/Kg-dry       1       0.118.0         1.2.3-Trichlorobenzene       ND       2.9       0.20       µg/Kg-dry       1       0.118.0         1.2.3-Trichlorobenzene       ND       2.9       0.20       µg/Kg-dry       1       0.118.0         1.2.4-Trinethylbenzene       ND       2.9       0.13       µg/Kg-dry       1       0.118.0         1.2.4-Trimethylbenzene       ND       2.9       0.11       µg/Kg-dry       1       0.118.0         1.2.4-Trimethylbenzene       ND       2.9       0.11       µg/Kg-dry       1       0.118.0         2.2-Dichloropropane       ND       2.9       0.11       µg/Kg-dry       1       0.118.0         2.2-Dichloropropane       ND       2.9       0.12       µg/Kg-dry       1       0.118.0         2.2-Dichloropropane       ND       2.9       0.12       µg/Kg-dry       1       0.118.0         2.2-Dichloropropane       ND       2.9       0.12       µg/Kg-dry       1       0.118.0         3-Dichloropropane       ND       2.9	Dichloroethane	ND	2.9	0.12			01/18/06 14:13
1,2,3-Trichlorobenzene       ND       5.9       0.51       µg/Kg-dry 1       01/18/         1,2,3-Trichloropropane       ND       2.9       0.20       µg/Kg-dry 1       01/18/         1,2,4-Trichlorobenzene       ND       5.9       0.40       µg/Kg-dry 1       01/18/         1,2,4-Trichlorobenzene       ND       5.9       0.40       µg/Kg-dry 1       01/18/         1,2,4-Trimethylbenzene       ND       2.9       0.13       µg/Kg-dry 1       01/18/         1,2-Dibromo-3-chloropropane       ND       2.9       0.11       µg/Kg-dry 1       01/18/         2-Dibromoethane       ND       2.9       0.11       µg/Kg-dry 1       01/18/         2-Dichlorobenzene       ND       2.9       0.11       µg/Kg-dry 1       01/18/         2-Dichloropropane       ND       2.9       0.12       µg/Kg-dry 1       01/18/         3-Dichloropropane       ND       2.9       0.09       µg/Kg-dry 1       01/18/         3-Dichloropropane       ND       2.9       0.12       µg/Kg-dry 1       01/18/         3-Dichloropropane       ND       2.9       0.12       µg/Kg-dry 1       01/18/         3-Dichloropropane       ND       2.9       0.09	Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1	01/18/06 14:13
2.3-Trichlorobenzene       ND       5.9       0.59       µg/Kg-dry 1       01/18//         2.3-Trichloropropane       ND       2.9       0.20       µg/Kg-dry 1       01/18//         2.3-Trichloropropane       ND       5.9       0.40       µg/Kg-dry 1       01/18//         2.4-Trithlorobenzene       ND       5.9       0.40       µg/Kg-dry 1       01/18//         2.4-Trithlorobenzene       ND       5.9       0.47       µg/Kg-dry 1       01/18//         2.Dibromo-3-chloropropane       ND       2.9       0.11       µg/Kg-dry 1       01/18//         2-Dibromoethane       ND       2.9       0.11       µg/Kg-dry 1       01/18//         2-Dichlorobenzene       ND       2.9       0.12       µg/Kg-dry 1       01/18//         2-Dichlorobenzene       ND       2.9       0.09       µg/Kg-dry 1       01/18//         3-Dichlorobenzene       ND       2.9       0.09       µg/Kg-dry 1       01/18//         3-Dichloropropane       ND       2.9       0.12       µg/Kg-dry 1       01/18//         3-Dichloropropane       ND       2.9       0.15       µg/Kg-dry 1       01/18//         3-Dichloropropane       ND       2.9       0.16	Dichloropropene	ND	2.9	0.12	µg/Kg-dry	1	01/18/06 14:13
2.3-Trichloropropane       ND       2.9       0.20       µg/Kg-dry       1       01/18//         2.4-Trichlorobenzene       ND       5.9       0.40       µg/Kg-dry       1       01/18//         2.4-Trichlorobenzene       ND       2.9       0.13       µg/Kg-dry       1       01/18//         2.4-Trichlorobenzene       ND       2.9       0.13       µg/Kg-dry       1       01/18//         2.2-Trimethylbenzene       ND       2.9       0.11       µg/Kg-dry       1       01/18//         2-Dichlorobenzene       ND       2.9       0.11       µg/Kg-dry       1       01/18//         2-Dichlorobenzene       ND       2.9       0.12       µg/Kg-dry       1       01/18//         2-Dichlorobrapane       ND       2.9       0.12       µg/Kg-dry       1       01/18//         2-Dichloropropane       ND       2.9       0.11       µg/Kg-dry       1       01/18//         3-Dichloropropane       ND       2.9       0.12       µg/Kg-dry       1       01/18//         3-Dichloropropane       ND       2.9       0.15       µg/Kg-dry       1       01/18//         3-Dichloropropane       ND       2.9       0.15	3-Trichlorobenzene	ND	5.9	0.59			01/18/06 14:13
,2,4-Trichlorobenzene       ND       5.9       0.40       µg/Kg-dry       1       01/18//         ,2,4-Trimethylbenzene       ND       2.9       0.13       µg/Kg-dry       1       01/18//         ,2-Dibromo-3-chloropropane       ND       5.9       0.47       µg/Kg-dry       1       01/18//         ,2-Dibromo-3-chloropropane       ND       2.9       0.11       µg/Kg-dry       1       01/18//         ,2-Dibromo-3-chloropropane       ND       2.9       0.11       µg/Kg-dry       1       01/18//         ,2-Dibromo-3-chloropropane       ND       2.9       0.11       µg/Kg-dry       1       01/18//         ,2-Dichlorobenzene       ND       2.9       0.12       µg/Kg-dry       1       01/18//         ,2-Dichloropropane       ND       2.9       0.12       µg/Kg-dry       1       01/18//         ,3-5-Trimethylbenzene       ND       2.9       0.12       µg/Kg-dry       1       01/18//         ,3-Dichlorobenzene       ND       2.9       0.15       µg/Kg-dry       1       01/18//         ,2-Dichloropropane       ND       2.9       0.16       µg/Kg-dry       1       01/18//         ,2-Dichloropropane       ND       <	3-Trichloropropane	ŅD	2.9	0.20			01/18/06 14:13
A-Dibromo-3-chloropropane         ND         5.9         0.47         µg/Kg-dry         1         01/18/           ,2-Dibromoethane         ND         2.9         0.11         µg/Kg-dry         1         01/18/           ,2-Dichlorobenzene         ND         2.9         0.11         µg/Kg-dry         1         01/18/           ,2-Dichlorobenzene         ND         2.9         0.11         µg/Kg-dry         1         01/18/           ,2-Dichlorobenzene         ND         2.9         0.12         µg/Kg-dry         1         01/18/           ,2-Dichloropropane         ND         2.9         0.12         µg/Kg-dry         1         01/18/           ,3-5-Trimethylbenzene         ND         2.9         0.11         µg/Kg-dry         1         01/18/           ,3-Dichlorobenzene         ND         2.9         0.12         µg/Kg-dry         1         01/18/           ,3-Dichloropropane         ND         2.9         0.12         µg/Kg-dry         1         01/18/           ,4-Dichloropropane         ND         2.9         0.15         µg/Kg-dry         1         01/18/           ,2-Dichloropropane         ND         2.9         0.11         µg/Kg-dry         1	4-Trichiorobenzene	ND	5.9	0.40			01/18/06 14:13
J2-Dibromo-3-chloropropane       ND       5.9       0.47       µg/Kg-dry       1       01/18/         J2-Dibromoethane       ND       2.9       0.11       µg/Kg-dry       1       01/18/         J2-Dichlorobenzene       ND       2.9       0.11       µg/Kg-dry       1       01/18/         J2-Dichlorobenzene       ND       2.9       0.12       µg/Kg-dry       1       01/18/         J2-Dichloropropane       ND       2.9       0.09       µg/Kg-dry       1       01/18/         J3-5-Trimethylbenzene       ND       2.9       0.11       µg/Kg-dry       1       01/18/         J3-Dichloropropane       ND       2.9       0.12       µg/Kg-dry       1       01/18/         J3-Dichloropropane       ND       2.9       0.12       µg/Kg-dry       1       01/18/         J2-Dichloropropane       ND       2.9       0.12       µg/Kg-dry       1       01/18/         J2-Dichloropropane       ND       2.9       0.15       µg/Kg-dry       1       01/18/         J2-Dichloropropane       ND       2.9       0.16       µg/Kg-dry       1       01/18/         L-Chlorotoluene       ND       2.9       0.68       µg/K	-	ND	2.9	0.13			01/18/06 14:13
2-Dibromoethane         ND         2.9         0.11         µg/Kg-dry         1         01/18/           2-Dichlorobenzene         ND         2.9         0.11         µg/Kg-dry         1         01/18/           2-Dichlorobenzene         ND         2.9         0.12         µg/Kg-dry         1         01/18/           2-Dichloropropane         ND         2.9         0.09         µg/Kg-dry         1         01/18/           3-Dichlorobenzene         ND         2.9         0.11         µg/Kg-dry         1         01/18/           3-Dichlorobenzene         ND         2.9         0.12         µg/Kg-dry         1         01/18/           3-Dichloropropane         ND         2.9         0.12         µg/Kg-dry         1         01/18/           3-Dichloropropane         ND         2.9         0.15         µg/Kg-dry         1         01/18/           4-Dichlorobenzene         ND         2.9         0.11         µg/Kg-dry         1         01/18/           2-Dichloropropane         ND         2.9         0.11         µg/Kg-dry         1         01/18/           2-Dichloropropane         ND         2.9         0.16         µg/Kg-dry         1         01/18/	Dibromo-3-chloropropane	ND	5.9	0.47	µg/Kg-dry	1	01/18/06 14:13
1,2-Dichlorobenzene       ND       2.9       0.11       µg/Kg-dry       1       01/18//         2-Dichlorobenzene       ND       2.9       0.12       µg/Kg-dry       1       01/18//         2-Dichloropropane       ND       2.9       0.09       µg/Kg-dry       1       01/18//         3-Dichlorobenzene       ND       2.9       0.11       µg/Kg-dry       1       01/18//         3-Dichlorobenzene       ND       2.9       0.12       µg/Kg-dry       1       01/18//         3-Dichlorobenzene       ND       2.9       0.12       µg/Kg-dry       1       01/18//         3-Dichlorobenzene       ND       2.9       0.15       µg/Kg-dry       1       01/18//         4-Dichlorobenzene       ND       2.9       0.15       µg/Kg-dry       1       01/18//         2-Dichloropropane       ND       2.9       0.11       µg/Kg-dry       1       01/18//         -2-Dichloropropane       ND       2.9       0.16       µg/Kg-dry       1       01/18//         -2-Dichloropropane       ND       2.9       0.08       µg/Kg-dry       1       01/18//         -Butanone       ND       2.9       0.19       µg/Kg-dry	Dibromoethane	ND ·	2.9	0.11			01/18/06 14:13
ADD         ADD <td>Dichlorobenzene</td> <td>. ND</td> <td>2.<del>9</del></td> <td>0.11</td> <td>•</td> <td></td> <td>01/18/06 14:13</td>	Dichlorobenzene	. ND	2. <del>9</del>	0.11	•		01/18/06 14:13
ND       2.9       0.11       µg/kg-dry       1       01/18/         ,3-Dichlorobenzene       ND       2.9       0.11       µg/kg-dry       1       01/18/         ,3-Dichlorobenzene       ND       2.9       0.12       µg/kg-dry       1       01/18/         ,3-Dichlorobenzene       ND       2.9       0.09       µg/kg-dry       1       01/18/         ,4-Dichlorobenzene       ND       2.9       0.15       µg/kg-dry       1       01/18/         ,2-Dichloropropane       ND       2.9       0.15       µg/kg-dry       1       01/18/         ,2-Dichloropropane       ND       2.9       0.16       µg/kg-dry       1       01/18/         ,2-Dichloropropane       ND       2.9       0.16       µg/kg-dry       1       01/18/         -Butanone       ND       2.9       0.08       µg/kg-dry       1       01/18/         -Chlorotoluene       ND       2.9       0.26       µg/kg-dry       1       01/18/         -Methyl-2-pentanone       ND       5.9       0.28       µg/kg-dry       1       01/18/         -Methyl-2-pentanone       ND       2.9       0.11       µg/kg-dry       1       01/18/	Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1	01/18/06 14:13
3-Dichlorobenzene       ND       2.9       0.12       µg/Kg-dry       1       01/18/         3-Dichloropropane       ND       2.9       0.09       µg/Kg-dry       1       01/18/         4-Dichlorobenzene       ND       2.9       0.15       µg/Kg-dry       1       01/18/         2-Dichloropropane       ND       2.9       0.15       µg/Kg-dry       1       01/18/         2-Dichloropropane       ND       2.9       0.11       µg/Kg-dry       1       01/18/         2-Dichloropropane       ND       2.9       0.16       µg/Kg-dry       1       01/18/         -Butanone       ND       12       0.16       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       2.9       0.08       µg/Kg-dry       1       01/18/         -Hexanone       ND       5.9       0.26       µg/Kg-dry       1       01/18/         -Methyl-2-pentanone       ND       5.9       0.28       µg/Kg-dry       1       01/18/         -Methyl-2-pentanone       ND       5.9       0.28       µg/Kg-dry       1       01/18/         -cetone       1.6       J       12       0.46       µg/Kg-dry       1	Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1	01/18/06 14:13
A-Dichloropropane       ND       2.9       0.09       µg/Kg-dry       1       01/18/         ,4-Dichloropropane       ND       2.9       0.15       µg/Kg-dry       1       01/18/         ,2-Dichloropropane       ND       2.9       0.15       µg/Kg-dry       1       01/18/         ,2-Dichloropropane       ND       2.9       0.11       µg/Kg-dry       1       01/18/         -Butanone       ND       12       0.16       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       2.9       0.08       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       5.9       0.26       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       5.9       0.28       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       5.9       0.28       µg/Kg-dry       1       01/18/         -Methyl-2-pentanone       ND       5.9       0.28       µg/Kg-dry       1       01/18/         cetone       1.6       J       12       0.46       µg/Kg-dry       1       01/18/         romobenzene       ND       2.9       0.11       µg/Kg-dry       1	-	ND	2.9	0.11	µg/Kg-dry	1	01/18/06 14:13
A-Dichlorobenzene       ND       2.9       0.15       µg/Kg-dry       1       01/18/         A-Dichlorobenzene       ND       2.9       0.11       µg/Kg-dry       1       01/18/         A-Dichloropropane       ND       2.9       0.11       µg/Kg-dry       1       01/18/         -Butanone       ND       12       0.16       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       2.9       0.08       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       5.9       0.26       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       5.9       0.28       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       5.9       0.28       µg/Kg-dry       1       01/18/         -Methyl-2-pentanone       ND       5.9       0.28       µg/Kg-dry       1       01/18/         cetone       1.6       J       12       0.46       µg/Kg-dry       1       01/18/         romobenzene       ND       2.9       0.11       µg/Kg-dry       1       01/18/         romochloromethane       ND       2.9       0.18       µg/Kg-dry       1 <td< td=""><td></td><td>· ND</td><td>2.9</td><td>0.12</td><td>µg/Kg-dry</td><td>1</td><td>01/18/06 14:13</td></td<>		· ND	2.9	0.12	µg/Kg-dry	1	01/18/06 14:13
2-Dichloropropane       ND       2.9       0.11       µg/Kg-dry       1       01/18/         -Butanone       ND       12       0.16       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       2.9       0.08       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       2.9       0.08       µg/Kg-dry       1       01/18/         -Hexanone       ND       5.9       0.26       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       5.9       0.28       µg/Kg-dry       1       01/18/         -Methyl-2-pentanone       ND       2.9       0.11       µg/Kg-dry       1       01/18/         -cetone       1.6       J       12       0.46       µg/Kg-dry       1       01/18/         romobenzene       ND       2.9       0.18       µg/Kg-dry       1       <	Dichloropropane	. ND	2.9	0.09	µg/Kg-dry	1	01/18/06 14:13
Butanone       ND       12       0.11       µg/kg dry       1       01/18/         -Chlorotoluene       ND       2.9       0.08       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       5.9       0.26       µg/Kg-dry       1       01/18/         -Hexanone       ND       5.9       0.26       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       2.9       0.19       µg/Kg-dry       1       01/18/         -Chlorotoluene       ND       5.9       0.28       µg/Kg-dry       1       01/18/         -Methyl-2-pentanone       ND       5.9       0.28       µg/Kg-dry       1       01/18/         cetone       1.6       J       12       0.46       µg/Kg-dry       1       01/18/         enzene       ND       2.9       0.11       µg/Kg-dry       1       01/18/         romobenzene       ND       2.9       0.18       µg/Kg-dry       1       01/18/         romochloromethane       ND       2.9       0.19       µg/Kg-dry       1       01/18/         romochloromethane       ND       2.9       0.09       µg/Kg-dry       1       01/18/ <td></td> <td>ND</td> <td>2.9</td> <td>0.15</td> <td>µg/Kg-dry</td> <td>1</td> <td>01/18/06 14:13</td>		ND	2.9	0.15	µg/Kg-dry	1	01/18/06 14:13
Chiorotoluene       ND       2.9       0.08       µg/Kg-dry       1       01/18/         -Chiorotoluene       ND       5.9       0.26       µg/Kg-dry       1       01/18/         -Hexanone       ND       5.9       0.26       µg/Kg-dry       1       01/18/         -Chiorotoluene       ND       2.9       0.19       µg/Kg-dry       1       01/18/         -Methyl-2-pentanone       ND       5.9       0.28       µg/Kg-dry       1       01/18/         -Methyl-2-pentanone       ND       5.9       0.28       µg/Kg-dry       1       01/18/         -cetone       1.6       J       12       0.46       µg/Kg-dry       1       01/18/         enzene       ND       2.9       0.11       µg/Kg-dry       1       01/18/         romobenzene       ND       2.9       0.18       µg/Kg-dry       1       01/18/         romochloromethane       ND       2.9       0.19       µg/Kg-dry       1       01/18/         romochloromethane       ND       2.9       0.19       µg/Kg-dry       1       01/18/         romochloromethane       ND       2.9       0.09       µg/Kg-dry       1       01/1		ND	2.9	0.11	µg/Kg-dry	1	01/18/06 14:13
Hexanone       ND       5.9       0.00       µg/kg-dry       1       01/18/         -Chlorotoluene       ND       5.9       0.26       µg/kg-dry       1       01/18/         -Chlorotoluene       ND       2.9       0.19       µg/kg-dry       1       01/18/         -Methyl-2-pentanone       ND       5.9       0.28       µg/kg-dry       1       01/18/         -Methyl-2-pentanone       ND       5.9       0.28       µg/kg-dry       1       01/18/         cetone       1.6       J       12       0.46       µg/kg-dry       1       01/18/         enzene       ND       2.9       0.11       µg/kg-dry       1       01/18/         romobenzene       ND       2.9       0.18       µg/kg-dry       1       01/18/         romochloromethane       ND       2.9       0.19       µg/kg-dry       1       01/18/         romochloromethane       ND       2.9       0.09       µg/kg-dry       1       01/18/         romochloromethane       ND       2.9       0.09       µg/kg-dry       1       01/18/		ND	12	0.16	µg/Kg-dry	1	01/18/06 14:13
Chlorotoluene         ND         2.9         0.19         µg/Kg-dry         1         01/18//           -Methyl-2-pentanone         ND         5.9         0.28         µg/Kg-dry         1         01/18//           -Methyl-2-pentanone         ND         5.9         0.28         µg/Kg-dry         1         01/18//           cetone         1.6         J         12         0.46         µg/Kg-dry         1         01/18//           enzene         ND         2.9         0.11         µg/Kg-dry         1         01/18//           romobenzene         ND         2.9         0.18         µg/Kg-dry         1         01/18//           romochloromethane         ND         2.9         0.18         µg/Kg-dry         1         01/18//           romochloromethane         ND         2.9         0.19         µg/Kg-dry         1         01/18//		ND ND	2.9	0.08	µg/Kg-dry	1	01/18/06 14:13
-Chlorotoluene         ND         2.9         0.19         µg/Kg-dry         1         01/18//           -Methyl-2-pentanone         ND         5.9         0.28         µg/Kg-dry         1         01/18//           -Methyl-2-pentanone         1.6         J         12         0.46         µg/Kg-dry         1         01/18//           cetone         1.6         J         12         0.46         µg/Kg-dry         1         01/18//           enzene         ND         2.9         0.11         µg/Kg-dry         1         01/18//           romobenzene         ND         2.9         0.18         µg/Kg-dry         1         01/18//           romochloromethane         ND         2.9         0.19         µg/Kg-dry         1         01/18//           romochloromethane         ND         2.9         0.19         µg/Kg-dry         1         01/18//		ND	5.9	0.26	µg/Kg-dry	1	01/18/06 14:13
Methyl-2-pentanone         ND         5.9         0.28         μg/Kg-dry         1         01/18//           cetone         1.6 J         12         0.46         μg/Kg-dry         1         01/18//           enzene         ND         2.9         0.11         μg/Kg-dry         1         01/18//           romobenzene         ND         2.9         0.11         μg/Kg-dry         1         01/18//           romochloromethane         ND         2.9         0.18         μg/Kg-dry         1         01/18//           romodichloromethane         ND         2.9         0.19         μg/Kg-dry         1         01/18//		. ND	2.9	0.19			01/18/06 14:13
cetone         1.6 J         12         0.46         µg/Kg-dry         1         01/18//           enzene         ND         2.9         0.11         µg/Kg-dry         1         01/18//           romobenzene         ND         2.9         0.18         µg/Kg-dry         1         01/18//           romochloromethane         ND         2.9         0.18         µg/Kg-dry         1         01/18//           romodichloromethane         ND         2.9         0.09         µg/Kg-dry         1         01/18//	•	ND	5.9	0.28	µg/Kg-dry	1	01/18/06 14:13
enzene         ND         2.9         0.11         μg/Kg-dry         1         01/18//           romobenzene         ND         2.9         0.18         μg/Kg-dry         1         01/18//           romochloromethane         ND         2.9         0.19         μg/Kg-dry         1         01/18//           romochloromethane         ND         2.9         0.09         μg/Kg-dry         1         01/18//	ι.	1.6 J	12	0.46	µg/Kg-dry	1	01/18/06 14:13
romochloromethaneND2.90.19µg/Kg-dry 101/18/romodichloromethaneND2.90.09µg/Kg-dry 101/18/		ND	2.9	0.11			01/18/06 14:13
romodichloromethane ND 2.9 0.09 µg/Kg-dry 1 01/18/			2.9	0.18	µg/Kg-dry	1	01/18/06 14:13
					µg/Kg-dry	1	01/18/06 14:13
			2.9	0.09	µg/Kg-dry	1	01/18/06 14:13
	•	ND	2.9	0.07	µg/Kg-dry	1	01/18/06 14:13
romomethane ND 5.9 0.35 µg/Kg-dry 1 01/18/	omethane	ND	5.9	0.35	µg/Kg-dry	1	01/18/06 14:13

S Spike Recovery outside accepted recovery limits

East Syracuse, NY 13		) 437-0200	·	StateCertN	io: 10155		
CLIENT: O'Brien & Gere Engir Project: Geneva Foundry W Order: 0601060 Matrix: SOIL	neers, Inc.	eers, Inc.		Lab ID:         0601060-003A           Client Sample ID:         BH-32-D           Collection Date:         01/12/06 10:30           Date Received:         01/12/06 15:35			
nst. ID: MS03 10 ColumnID: Rtx-VMS Revision: 01/19/06 2:30:18 P	Sample Size %Moisture TestCode:		PrepDate BatchNo: FileID:		8257.D		
Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyze		
OLATILE ORGANIC COMPOUNE	DS BY GC/MS	SW	8260B	· · · ·			
arbon disulfide	ND	2.9	0.07	µg/Kg-dry 1	01/18/06 14:13		
arbon tetrachloride	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 14:13		
hlorobenzena	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 14:13		
hloroethane	ND	5.9	0.34	µg/Kg-dry 1	01/18/06 14:13		
hloroform	ND	2.9	0.05	µg/Kg-dry 1	01/18/06 14:13		
hloromethane	ND	5.9	0.45	µg/Kg-dry 1	01/18/06 14:13		
s-1,2-Dichloroethene	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 14:13		
s-1,3-Dichloropropene	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 14:13		
ibromochloromethane	ND	2.9	0.15	µg/Kg-dry 1	01/18/06 14:13		
ibromomethane	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 14:13		
chlorodifluoromethane	ND	5.9	0.09	µg/Kg-dry 1	01/18/06 14:13		
hylbanzene	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 14:13		
exachlorobutadiene	ND	5.9	0.46	µg/Kg-dry 1	01/18/06 14:13		
opropylbenzene	ND	2.9	0.09	µg/Kg-dry 1	01/18/06 14:13		
ethyl tert-butyl ether	ND	2.9	0.08	µg/Kg-dry 1	01/18/06 14:13		
ethylene chloride	4.5 J	5.9	0.47	µg/Kg-dry 1	01/18/06 14:13		
Butyibenzene	ND.	2.9	0.14	µg/Kg-dry 1	01/18/06 14:13		
Propyibenzene	· ND	2.9	0.11	µg/Kg-dry 1	01/18/06 14:13		
aphthalene	ND	5.9	0.44	µg/Kg-dry 1	01/18/06 14:13		
Isopropyitoluene	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 14:13		
c-Butylbenzene	ND	2.9	0.15	µg/Kg-dry 1	01/18/06 14:13		
yrene	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 14:13		
rt-Butylbenzene	ND	2.9	0,15	µg/Kg-dry 1	01/18/06 14:13		
etrachloroethene	21	2.9	0.16	µg/Kg-dry 1	01/18/06 14:13		
bluene	ND	2.9	0.14	µg/Kg-dry 1	01/18/06 14:13		
ans-1,2-Dichloroethene	ND	2.9	0.12	µg/Kg-dry 1	01/18/06 14:13		
ans-1,3-Dichloropropene	ND	2.9	0.11	µg/Kg-dry 1	01/18/06 14:13		
ichloroethene	ND	2.9	0.13	µg/Kg-dry 1	01/18/06 14:13		
ichlorofluoromethane	ND	5.9	0.09	µg/Kg-dry 1	01/18/06 14:13		
nyl chloride	ND	5.9	0.09	µg/Kg-dry 1	01/18/06 14:13		
lenes (total)	ND	5.9	0.21	µg/Kg-dry 1	01/18/06 14:13		
Surr. 1,2-Dichloroethane-d4	88.4	71-128	0.15	%REC 1	01/18/06 14:13		
Surr. 4-Bromofluorobenzene	62.0	59-125	0.11	%REC 1	01/18/06 14:13		
Surr. Dibromofluoromethane	101	40-156	0.21	%REC 1	01/18/06 14:13		
Surr: Toluene-d8	90.0	75-125	0.14	%REC 1	01/18/06 14:13		
Qualifiers: B Analyte detected in the	e associated Metho	od Blank	E Value e	exceeds the instrument cal	ibration range		
H Holding times for pre	paration or analysis	exceeded	J Analyte	detected below the PQL			
ND Not Detected at the P				onf. column %D or RPD			

### **Analytical Results**

**Date Analyzed** 

01/18/06 14:48

01/18/06 14:48

01/18/06 14:48

01/18/06 14:48

01/18/06 14:48

01/18/06 14:48

01/18/06 14:48

01/18/06 14:48

CLIENT:	O'Brien & Gere Engir	ieers, Inc.	-	Lab ID:		01060-0	04A	
Project:	Geneva Foundry	. · · · ·		Client Sam				
W Order:	0601060			Collection Date: 01/12/06 10:45 Date Received: 01/12/06 15:35				
Matrix:	SOIL			Date Receiv		/12/06 15	:35	
Inst. ID:	MS03 10	Sample Size:		PrepDate:				
ColumnID:		%Moisture:		BatchNo:		249 ·	·	
Revision:	01/19/06 2:30:18 P	TestCode:	8260S TAGML	FileID:	1-5	SAMP-J8	258.D	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyze	
VOLATILE		S BY GC/MS	SW	8260B				
1,1,1,2-Tetrac	hloroethane	ND	2.9	0.13	µg/Kg-dry	1	01/18/06 14:48	
1,1,1-Trichlorg	ethane	ND	2.9	0.12	µg/Kg-dry	1	01/18/06 14:48	
1,1,2,2-Tetrac	hloroethane	ND	2.9	0.19	µg/Kg-dry	1	01/18/06 14:48	
1,1,2-Trichlord trifluoroethane		ND	2.9	0.12	µg/Kg-dry	1	01/18/06 14:48	
1,1,2-Trichlord	bethane	ND	2.9	0.13	µg/Kg-dry	1	01/18/06 14:48	
1,1-Dichloroet	hane	ND	2.9	0.12	µg/Kg-dry	1	01/18/06 14:48	
1,1-Dichloroet	hene	ND	2.9	0.16	µg/Kg-dry	1	01/18/06 14:48	
1,1-Dichloropr	opene	ND	2.9	0.12	µg/Kg-dry	1	01/18/06 14:48	
1,2,3-Trichloro	benzene	ND	5.9	0.59	µg/Kg-dry	1	01/18/06 14:48	
1,2,3-Trichlord	propane	ND	2.9	0.20	µg/Kg-dry	1	01/18/06 14:48	
1,2,4-Trichloro	benzene	ND	5.9	0.40	µg/Kg-dry	1	01/18/06 14:48	
1,2,4-Trimethy	/ibenzene	ND	2.9	0.13	µg/Kg-dry	1	01/18/06 14:48	
1,2-Dibromo-3	-chioropropane	ND	5.9	0.47	µg/Kg-dry	1	01/18/06 14:48	
1,2-Dibromoet	hane	ND	2.9	0.11	µg/Kg-dry	1	01/18/06 14:48	
1,2-Dichlorobe	nzene	ND	2.9	0.11	µg/Kg-dry	1	01/18/06 14:48	
1,2-Dichloroet	hane	ND	2.9	0.12	µg/Kg-dry	1	01/18/06 14:48	
1,2-Dichloropr	орале	ND	2.9	0.09	µg/Kg-dry	1	01/18/08 14:48	
1,3,5-Trimethy	lbenzene	ND	2.9	0.11	µg/Kg-dry	1	01/18/06 14:48	
1,3-Dichlorobe	enzene	ND	2.9	0.12	µg/Kg-dry	1	01/18/08 14:48	
1,3-Dichloropr	opane	ND	2.9	0.09	µg/Kg-dry	1	01/18/06 14:48	
1,4-Dichlorobe	nzene	ND .	2.9	0.15	µg/Kg-dry	1	01/18/06 14:48	
2,2-Dichloropr	opane	ND	2.9	0.11	µg/Kg-dry	1	01/18/06 14:48	
2-Butanone	•	ND	12	<b>0</b> .16	µg/Kg-dry	1	01/18/06 14:48	
2-Chlorotoluer	10	ND	2.9	0.08	µg/Kg-dry	1	01/18/06 14:48	
2-Hexanone		ND	5.9	0.26	µg/Kg-dry	1	01/18/06 14:48	
-Chiorotoluer	ie	ND ·	2.9	0,19	µg/Kg-dry	1	01/18/06 14:48	

4-Methyl-2-pentanone

Bromochloromethane

Bromodichloromethane

Н

Acetone

Benzene

Bromoform

Bromomethane

Qualifiers:

Bromobenzene

0.28

0.46

0.11

0.18

0.19

0.09

0.07

0.35

Value exceeds the instrument calibration range Ε

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

µg/Kg-dry 1

Spike Recovery outside accepted recovery limits S

B Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

ND

ND

ND

ND

ND

ND

ND

2.1 J

5.9

12

2.9

2.9

2.9

2.9

2.9

5.9

### Life Science Laboratories, Inc. **Analytical Results** LSL 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200 StateCertNo: 10155 CLIENT: O'Brien & Gere Engineers, Inc. Lab ID: 0601060-004A **Project:** Geneva Foundry Client Sample ID: BH-33-S W Order: 0601060 **Collection Date:** 01/12/06 10:45 Matrix: SOIL Date Received: 01/12/06 15:35 Inst. ID: MS03 10 Sample Size: 4.99 g PrepDate: ColumnID: Rtx-VMS %Moisture: 14.6 **BatchNo:** R4249 **Revision:** 01/19/06 2:30:18 P TestCode: 8260S TAGML FileID: 1-SAMP-J8258.D Analyte **Result Qual POL** MDL Units DF **Date Analyzed VOLATILE ORGANIC COMPOUNDS BY GC/MS** SW8260B Carbon disulfide 2.9 ND 0.07 µg/Kg-dry 1 01/18/06 14:48 Carbon tetrachloride ND 2.9 0.13 01/18/06 14:48 µg/Kg-dry 1 Chlorobenzene ND 2.9 0.11 µg/Kg-dry 1 01/18/06 14:48 Chloroethane ND 5.9 0.34 01/18/06 14:48 µg/Kg-dry 1 Chloroform ND 2.9 0.05 µg/Kg-dry 1 01/18/06 14:48 Chloromethane ND 5.9 0.44 µg/Kg-dry 1 01/18/06 14:48 cis-1,2-Dichloroethene ND µg/Kg-dry 1 2.9 0.13 01/18/06 14:48 cis-1,3-Dichloropropene ND 2,9 0.11 µg/Kg-dry 1 01/18/06 14:48 Dibromochloromethane ND 2.9 0.15 01/18/06 14:48 µg/Kg-dry 1 Dibromomethane ND 2.9 0.13 µg/Kg-dry 1 01/18/06 14:48 Dichlorodifluoromethane ND 5.9 0.09 01/18/06 14:48 µg/Kg-dry 1 Ethylbenzene ND 2.9 0.12 µg/Kg-dry 1 01/18/06 14:48 Hexachlorobutadiene ND 5.9 0.46 µg/Kg-dry 1 01/18/06 14:48 Isopropyibenzene ND 2.9 0.09 01/18/06 14:48 µg/Kg-dry 1 Methyl tert-butyl ether ND 2.9 0.08 µg/Kg-dry 1 01/18/06 14:48 Methylene chloride 66 5.9 01/18/06 14:48 0.47 µg/Kg-dry 1 n-Butylbenzene ND 2.9 0.14 µg/Kg-dry 1 01/18/06 14:48 n-Propylbenzene ND 2.9 0.11 01/18/06 14:48 µg/Kg-dry 1 Naphthalene 0.91 J 5.9 0.43 µg/Kg-dry 1 01/18/06 14:48 p-isopropyltoluene ND 2.9 0.11 µg/Kg-dry 1 01/18/06 14:48 sec-Butylbenzene ND 2.9 0.15 µg/Kg-dry 1 01/18/06 14:48 Styrene ND 2.9 0.12 µg/Kg-dry 1 01/18/06 14:48 tert-Butylbenzene ND 29 0.15 01/18/06 14:48 µg/Kg-dry 1 Tetrachloroethene 27 2.9 0.16 µg/Kg-dry 1 01/18/06 14:48 Toluene ND 2.9 0.14 µg/Kg-dry 1 01/18/06 14:48 trans-1,2-Dichloroethene ND 2.9 0.12 µg/Kg-dry 1 01/18/06 14:48 trans-1,3-Dichloropropene ND 2.9 0.11 01/18/06 14:48 µg/Kg-dry 1 Trichloroethene ND 0.13 2.9 µg/Kg-dry 1 01/18/06 14:48 Trichlorofluoromethane ND 5.9 0.09 µg/Kg-dry 1 01/18/08 14:48 Vinyi chioride ND 5.9 0.09 µg/Kg-dry 1 01/18/06 14:48 Xylenes (total) ND 5.9 0.21 µg/Kg-dry 1 01/18/06 14:48 Sur: 1,2-Dichloroethane-d4 88.6 71-128 0.15 %REC 1 01/18/06 14:48 Surr: 4-Bromofluorobenzene 68.9 0.11 %REC 59-125 1 01/18/06 14:48 Surr: Dibromofluoromethane 101 0.21 %REC 40-156 1 01/18/06 14:48 Surr: Toluene-d8 90.8 75-125 0.14 %REC 1 01/18/06 14:48 В Analyte detected in the associated Method Blank Ε Value exceeds the instrument calibration range **Oualifiers:** Н Holding times for preparation or analysis exceeded I Analyte detected below the POL

ND Not Detected at the Practical Quantitation Limit (PQL)

P Prim./Conf. column %D or RPD exceeds limit

CLIENT: Project: W Order:	O'Brien & Gere Engin Geneva Foundry 0601060		) 437-0200	StateCertNo: 10155         Lab ID:       0601060-005A         Client Sample ID:       TRIP BLANK				
Matrix:	WATER			Collection		01/11/06 0		
				Date Recei	ved:	01/12/06 1	5:35	
lnst. D:	MS03 10	Sample Size		PrepDate:				
ColumnID:		%Moisture:		BatchNo:		R4249		
Revision:	01/19/06 2:30:18 P	TestCode:	8260S TAGML	FileID:		1-SAMP-J	3253.D	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed	
OLATILE O	RGANIC COMPOUND	S BY GC/MS	SW	8260B				
,1,1,2-Tetrach	nloroethane	ND	2.5	0.11	µg/Kg	1.	01/18/06 11:53	
,1,1-Trichloro		ND	2.5	0.10	µg/Kg	1	01/18/06 11:53	
1,2,2-Tetrach		ND	2.5	0.16	µg/Kg	1	01/18/06 11:53	
1,2-Trichloro	-1,2,2-	ND	2.5	0.10	µg/Kg	1	01/18/06 11:53	
1,2-Trichloro	ethane	ND	2.5	0.11	µg/Kg	1	01/18/06 11:53	
1-Dichloroeth	ane	ND	2.5	0.10	µg/Kg	1	01/18/06 11:53	
1-Dichloroeth	ene	ND	2.5	0.14	µg/Kg	1	01/18/06 11:53	
1-Dichloropro	pene	ND	2.5	0.10	µg/Kg	· 1	01/18/06 11:53	
2,3-Trichlorol	enzene	ND	5.0	0.50	µg/Kg	1	01/18/06 11:53	
2,3-Trichlorop	propane	ND	2.5	0.17	µg/Kg	1	01/18/06 11:53	
2,4-Trichlorot	penzene	ND	5.0	0.34	µg/Kg	1	01/18/06 11:53	
2,4-Trimethyi		ND	2.5	0.11	µg/Kg	1	01/18/06 11:53	
2-Dibromo-3-	chioropropane	ND	5.0	0.40	µg/Kg	1	01/18/06 11:53	
2-Dibromoeth		ND	2.5	0.09	µg/Kg	1	01/18/06 11:53	
2-Dichlorober	zene	ND	2.5	0.09	µg/Kg	1	01/18/06 11:53	
2-Dichloroeth	ane	ND	2.5	0.10	µg/Kg	<sup>+</sup> 1	01/18/06 11:53	
2-Dichloropro	•	ND	2.5	0.08	µg/Kg	1	01/18/06 11:53	
3,5-Trimethyll		ND	2.5	0.09	µg/Kg	1	01/18/06 11:53	
3-Dichlorober	-	ND	2.5	0.10	μg/Kg	1	01/18/06 11:53	
3-Dichloropro	pane	ND	2.5	0.08	µg/Kg	1	01/18/06 11:53	
4-Dichloroben	izene	ND	2.5	0.13	μg/Kg	1	01/18/06 11:53	
2-Dichloropro	pane	ND	2.5	0.09	µg/Kg	1	01/18/06 11:53	
Butanone		ND	10	0.14	μg/Kg	1	01/18/06 11:53	
Chlorotoluene	<b>)</b>	ND	2.5	0.07	µg/Kg	1	01/18/06 11:53	
lexanone		ND	5.0	0.22	µg/Kg	ì	01/18/06 11:53	
Chlorotoluene		ND	2.5	0.16	µg/Kg	1	01/18/06 11:53	
Methyl-2-pent	anone	ND .	5.0	0.24	µg/Kg	1	01/18/06 11:53	
etone	•	1.8 J	10	0.39	µg/Kg	1	01/18/06 11:53	
nzene		ND		0.0 <del>9</del> ·	µg/Kg	1	01/18/06 11:53	
mobenzene	. · · ·	ND		0.15	µg/Kg	1	01/18/06 11:53	
mochlorome		ND	2.5	0.16	µg/Kg	1	01/18/06 11:53	
modichlorom	ethane	ND		0.08	µg/Kg	. 1	01/18/06 11:53	
molom	· ·	ND		0.06	µg/Kg	1	01/18/06 11:53	
omomethane		ND	5.0	0.30	µg/Kg	1	01/18/06 11:53	

S Spike Recovery outside accepted recovery limits

Print Date: 01/20/06 10:26

### Life Science Laboratories, Inc. **Analytical Results** LSL 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200 StateCertNo: 10155 CLIENT: O'Brien & Gere Engineers, Inc. Lab ID: 0601060-005A **Project:** Geneva Foundry Client Sample ID: TRIP BLANK W Order: 0601060 **Collection Date:** 01/11/06 0:00 Matrix: WATER Date Received: 01/12/06 15:35 Inst. ID: MS03 10 Sample Size: 5 mL **PrepDate:** ColumnID: Rtx-VMS **BatchNo:** R4249 %Moisture: **Revision:** 01/19/06 2:30:18 P 8260S TAGML FileID: 1-SAMP-J8253,D **TestCode:** Analyte **Result Qual PQL** MDL Units DF Date Analyzed **VOLATILE ORGANIC COMPOUNDS BY GC/MS** SW8260B Carbon disulfide ND 2.5 0.06 µg/Kg 01/18/06 11:53 1 Carbon tetrachloride ND 2.5 0.11 µg/Kg 1 01/18/06 11:53 Chlorobenzene ND 2.5 0.09 µg/Kg 1 01/18/06 11:53 Chloroethane ND 5.0 0.29 µg/Kg 1 01/18/06 11:53 Chloroform **ND** 2.5 0.04 01/18/06 11:53 µg/Kg 1 Chloromethane ND 5.0 0.38 1 01/18/06 11:53 µg/Kg cis-1.2-Dichloroethene ND 2.5 0.11 µg/Kg 1 01/18/06 11:53 cis-1,3-Dichloropropene ND 2.5 0.09 µg/Kg 1 01/18/06 11:53 Dibromochloromethane ND 2.5 0.13 1 01/18/06 11:53 µg/Kg Dibromomethane ND 2.5 0.11 1 01/18/06 11:53 µg/Kg Dichlorodifluoromethane ND 5.0 0.08 µg/Kg 1 01/18/06 11:53 Ethylbenzene ND 2.5 0.10 µg/Kg 1 01/18/06 11:53 Hexachlorobutadiene ND 5.0 0.39 1 01/18/06 11:53 µg/Kg Isopropylbenzene ND 2.5 0.08 µg/Kg 1 01/18/06 11:53 Methyl tert-butyl ether ND 2.5 0.07 1 01/18/06 11:53 µg/Kg Methylene chloride ND 5.0 0.40 1 01/18/06 11:53 µg/Kg n-Butylbenzene ND 2.5 0.12 µg/Kg 1 01/18/06 11:53 n-Propylbenzene ND 2.5 0.09 µg/Kg 1 01/18/06 11:53 Naphthalene ND 5.0 0.37 µg/Kg 1 01/18/06 11:53 p-isopropyitoluene ND 0.09 µg/Kg 2.5 1 01/18/06 11:53 sec-Butylbenzene ND 2.5 0.13 1 µg/Kg 01/18/06 11:53 Styrene ND 2.5 0.10 µg/Kg 1 01/18/06 11:53 tert-Butyibenzene ND 2.5 0.13 1 01/18/06 11:53 µg/Kg Tetrachloroethene ND 2.5 0.14 µg/Kg 1 01/18/06 11:53 Toluene ND 2.5 0.12 µg/Kg 1 01/18/06 11:53 trans-1,2-Dichloroethene ND 2.5 0.10 µg/Kg 1 01/18/06 11:53 trans-1,3-Dichloropropene ND 2.5 0.09 µg/Kg 1 01/18/08 11:53 Trichloroethene ND 2.5 1 0.11 µg/Kg 01/18/06 11:53 Trichlorofluoromethane ND 5.0 0.08 1 µg/Kg 01/18/06 11:53 Vinyl chloride ND 5.0 0.08 1 01/18/06 11:53 µg/Kg

S Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

Not Detected at the Practical Quantitation Limit (PQL)

Е Value exceeds the instrument calibration range J Analyte detected below the PQL

1

1

1

1

1

01/18/06 11:53

01/18/06 11:53

01/18/06 11:53

01/18/06 11:53

01/18/06 11:53

Prim./Conf. column %D or RPD exceeds limit Ρ

µg/Kg

%REC

%REC

%REC

%REC

ND

84.2

80.0

97.8

93.2

5.0

71-128

59-125

40-156

75-125

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

В

H

ND

Surr: Toluene-d8

Xylenes (total)

Qualifiers:

0.18

0.13

0.09

0,18

0.12

CLIENT:	O'Brien & Gere Engin	eers Inc			ab ID:	07	01049-00	10
Project:	Geneva Foundry	cers, me.			lient Samp		01049-00. H-20-S	LD ·
W Order:	0601049				Collection D		11/06 7:55	
Matrix:	SOIL				ate Receiv		/12/06 7:50	
Inst. 1D:	MS05 26	Sample Size	• 30 a		repDate:		13/06 8:14	
ColumnID:		%Moisture:	<b>.</b> .		latchNo:		13/00 0.14 /4/R4378	А
Revision:	01/31/06 10:18:39 A	TestCode:	8270S TAG		ileD:		AMP-N38	81.D
Analyte		Result Qu	al PQL	M	DL	Units	DF	Date Analyze
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC	/MS	SW82	70C	(	SW3550B)	
,2,4-Trichloro		ND	380	3.0		µg/Kg-dry	•	01/25/06 21:10
,2-Dichlorobe	nzene	ND	380	2.	7	µg/Kg-dry		01/25/06 21:10
,3-Dichlorobe	nzene	ND	380	1.4	в	µg/Kg-dry		01/25/06 21:10
,4-Dichlorobe	nzene	ND	380	2.		µg/Kg-dry		01/25/06 21:10
4,5-Trichloro	phenol	ND	1900	38		µg/Kg-dry		01/25/06 21:10
4, <b>6-Tri</b> chloro	-	ND	380	3.		µg/Kg-dry		01/25/08 21:10
,4-Dichloroph	enoi	ND	380	3.		µg/Kg-dry		01/25/06 21:10
,4-Dimethylph	nenol	ND	380	3.2		µg/Kg-dry		01/25/06 21:10
4-Dinitropher	noi	ND	1900	69		µg/Kg-dry		01/25/06 21:10
,4-Dinitrotolue	ene	ND	380	3.2		µg/Kg-dry		01/25/06 21:10
,6-Dinitrotolue	ene	ND	. 380	3.7		µg/Kg-dry		01/25/06 21:10
Chloronaphti	halene	ND	380	1.6	3	µg/Kg-dry		01/25/06 21:10
-Chloropheno		ND	380	2.		µg/Kg-dry		01/25/06 21:10
-Methyinaphti	halene	1100	380	1.0		µg/Kg-dry		01/25/06 21:10
-Methylpheno	t ·	ND	380	2.3		µg/Kg-dry		01/25/06 21:10
-Nitroaniline		ND	1900	4.(		µg/Kg-dry		01/25/06 21:10
-Nitrophenol		ND	380	4.4		µg/Kg-dry		01/25/06 21:10
3'-Dichlorobe	enzidine	ND	760	9.3		µg/Kg-dry		01/25/06 21:10
Nitroaniline		ND	1900	13		µg/Kg-dry		01/25/06 21:10
6-Dinitro-2-m	ethylphenol	ND	1900	31		µg/Kg-dry		01/25/06 21:10
	I phenyl ether	ND	380	2.7		µg/Kg-dry		01/25/06 21:10 -
Chloro-3-met	=	ND	380	3.0		µġ/Kg-dry		01/25/06 21:10
Chloroaniline		ND	380	4.6		µg/Kg-dry		01/25/06 21:10
-Chloropheny	phenyl ether	ND	380	2.9		µg/Kg-dry		01/25/06 21:10
Methylpheno		ND	380	2.2		µg/Kg-dry		01/25/06 21:10
Nitroaniline		ND	1900	6.3		µg/Kg-dry		01/25/06 21:10
Nitrophenol		ND	1900	15		µg/Kg-dry		01/25/06 21:10
cenaphthene		ND	380	1.3		µg/Kg-dry		01/25/06 21:10
cenaphthylen	e	ND	380	1.7		µg/Kg-dry		01/25/06 21:10
niline	ана (р. 1997) 1997 — Прила Парадон, страна (р. 1997) 1997 — Прила Парадон, страна (р. 1997)	ND	380	47		µg/Kg-dry	•	01/25/06 21:10
nthracene		64 J	380	1.5		µg/Kg-dry		01/25/06 21:10
enzo[a]anthra	icene	390	380	1.6		µg/Kg-dry		01/25/06 21:10
enzo[a]pyrene		400	380	1.9		µg/Kg-dry		01/25/06 21:10
enzo[b]fluorar		700	380	2.6		µg/Kg-dry		01/25/06 21:10
enzo[g,h,l]per		220 J	380	2.0 1.9		µg/Kg-dry µg/Kg-dry		01/25/06 21:10
Qualifiers:	B Analyte detected in the	associated Metho	d Blank	E	Value exce	eds the instru	ment calibrat	ion range
C	H Holding times for prep			~ J		tected below		· · · · · · · · · · · · · · · · · · ·
	÷			-				

ColumnID: ZB-5       %         Revision:       01/31/06 10:18:39 A       Te         Analyte       Femivolation (10:18:39 A)       Te         SEMIVOLATILE ORGANIC COMPOUNT       Semivolation (10:18:39 A)       Te         Semivolation (10:18:39 A)       Te       Semivolation (10:18:39 A)       Te         Semivolation (11:18:39 A)       Te       Semivolation (11:18:39 A)       Te         Semivolation (11:18:39 A)       Te       Semivolation (11:18:39 A)       Te         Semivolation (11:19:19:19)       Semivolation (11:19:19:19)       Semivolation (11:19:19:19)       Semivolation (11:19:19:19)       Semivolation (11:19:19:19)         Semivolation (11:19:19)       Semivolation (11:19:19:19)       Semivolation (11:19:19:19)       Semivolation (11:19:19:19)       S	Ample Size Moisture: estCode: Result Qu DS BY GC/ 200 J ND ND ND ND ND ND 100 J ND 650 76 J ND 72 J 300 J ND ND ND ND	12.7 8270S TAGMI al PQL	MDL 2.4 120 4.2 1.5 2.2 2.2 12 2.5 1.8 3.2 1.8 3.2 1.8 1.5 1.7	Date: 01/11/06 7: ived: 01/12/06 7:	55 50 14 A 8 3881.D Date Analyze
ColumnID: ZB-5 % Revision: 01/31/06 10:18:39 A Technology of the second	Moisture: estCode: Result Qu DS BY GC/ 200 J ND ND ND ND ND 100 J ND 650 76 J ND 72 J 300 J ND ND ND	12.7 8270S TAGMI al PQL 7MS SV 380 1900 380 380 380 380 380 380 380 3	BatchNo: FileID: MDL V8270C 2.4 120 4.2 1.5 2.2 2.2 12 2.5 1.8 3.2 1.8 3.2 1.8 1.5 1.7	2374/R4374 1-SAMP-N Units DF (SW3550 µg/Kg-dry 1 µg/Kg-dry 1	B 3881.D Date Analyze D1/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
ColumnID: ZB-5       %         Revision:       01/31/06 10:18:39 A       Te         Analyte       Femivolation (10:18:39 A)       Te         SEMIVOLATILE ORGANIC COMPOUNT       Semivolation (10:18:39 A)       Te         Semivolation (10:18:39 A)       Te       Semivolation (10:18:39 A)       Te         Semivolation (11:18:39 A)       Te       Semivolation (11:18:39 A)       Te         Semivolation (11:18:39 A)       Te       Semivolation (11:18:39 A)       Te         Semivolation (11:19:19:19)       Semivolation (11:19:19:19)       Semivolation (11:19:19:19)       Semivolation (11:19:19:19)       Semivolation (11:19:19:19)         Semivolation (11:19:19)       Semivolation (11:19:19:19)       Semivolation (11:19:19:19)       Semivolation (11:19:19:19)       S	Moisture: estCode: Result Qu DS BY GC/ 200 J ND ND ND ND ND 100 J ND 650 76 J ND 72 J 300 J ND ND ND	12.7 8270S TAGMI al PQL 7MS SV 380 1900 380 380 380 380 380 380 380 3	BatchNo: FileID: MDL V8270C 2.4 120 4.2 1.5 2.2 2.2 12 2.5 1.8 3.2 1.8 3.2 1.8 1.5 1.7	2374/R4374 1-SAMP-N Units DF (SW3550 µg/Kg-dry 1 µg/Kg-dry 1	3881.D Date Analyze 01/25/06 21:10 01/25/06 21:10
EmivolATILE ORGANIC COMPOUNI Enzo[k]fluoranthene enzoic acid enzyl alcohol is(2-Chloroethoxy)methane exachloroethoxy)methane ideno[1,2,3-cd]pyrene ophorone	Result Qu 200 J ND ND ND ND 100 J ND 650 76 J ND 72 J 300 J ND ND ND	PQL           380           380           1900           380	MDL 2.4 120 4.2 1.5 2.2 2.2 12 2.5 1.8 3.2 1.8 3.2 1.8 1.5 1.7	Units         DF           (SW3550           µg/Kg-dry         1           µg/Kg-dry         1	Date Analyze B) 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
EMIVOLATILE ORGANIC COMPOUNI enzo[k]fluoranthene enzoic acid enzyl alcohol is(2-Chloroethoxy)methane is(2-Chloroethoxy)methane is(2-Chloroisopropyl)ether is	DS BY GC/ 200 J ND ND ND ND 100 J ND 650 76 J ND 72 J 300 J ND ND ND	VMS SV 380 1900 380 380 380 380 380 380 380 380 380 3	V8270C 2.4 120 4.2 1.5 2.2 2.2 12 2.5 1.8 3.2 1.8 3.2 1.8 1.5 1.7	(SW3550 µg/Kg-dry 1 µg/Kg-dry 1	B) 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
tenzo[k]fluoranthene enzoic acid enzyl alcohol is(2-Chloroethoxy)methane is(2-chloroethoxy)methane is(2-chloroisopropyl)ether is(2-Ethylhexyl)phthalate utyl benzyl phthalate utyl benzyl phthalate i-n-butyl phthalate i-n-octyl phthalate ibenz[a,h]anthracene ibenzofuran iethyl phthalate luoranthene luorene exachlorobenzene exachlorobenzene exachlorocyclopentadiene exachloroethane deno[1,2,3-cd]pyrene ophorone	200 J ND ND ND ND 100 J 100 J 650 76 J ND 72 J 300 J ND ND ND	380 1900 380 380 380 380 380 380 380 380 380 3	2.4 120 4.2 1.5 2.2 2.2 12 2.5 1.8 3.2 1.8 3.2 1.8 1.5 1.7	μg/Kg-dry 1 μg/Kg-dry 1	01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
tenzo[k]fluoranthene enzoic acid enzyl alcohol is(2-Chloroethoxy)methane is(2-chloroethoxy)methane is(2-chloroisopropyl)ether is(2-Ethylhexyl)phthalate utyl benzyl phthalate utyl benzyl phthalate i-n-butyl phthalate i-n-octyl phthalate ibenz[a,h]anthracene ibenzofuran iethyl phthalate luoranthene luorene exachlorobenzene exachlorobenzene exachlorocyclopentadiene exachloroethane deno[1,2,3-cd]pyrene ophorone	200 J ND ND ND ND 100 J 100 J 650 76 J ND 72 J 300 J ND ND ND	380 1900 380 380 380 380 380 380 380 380 380 3	2.4 120 4.2 1.5 2.2 2.2 12 2.5 1.8 3.2 1.8 3.2 1.8 1.5 1.7	μg/Kg-dry 1 μg/Kg-dry 1	01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
enzoic acid enzyl alcohol is(2-Chloroethoxy)methane is(2-chloroethoxy)methane is(2-chloroisopropyl)ether is(2-Ethylhexyl)phthalate utyl benzyl phthalate utyl benzyl phthalate i-n-butyl phthalate i-n-octyl phthalate ibenz[a,h]anthracene ibenzofuran iethyl phthalate luoranthene luorene exachlorobenzene exachlorobenzene exachlorocyclopentadiene exachlorocethane deno[1,2,3-cd]pyrene ophorone	ND ND ND ND 100 J ND 650 76 J ND 72 J 300 J ND ND ND	1900 380 380 380 380 380 380 380 380 380 3	120 4.2 1.5 2.2 2.2 12 2.5 1.8 3.2 1.8 3.2 1.8 1.5 1.7	μg/Kg-dry 1 μg/Kg-dry 1	01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
enzyl alcohol is(2-Chloroethoxy)methane is(2-Chloroethoxy)methane is(2-Chloroisopropyl)ether is(2-Ethylhexyl)phthalate utyl benzyl phthalate utyl benzyl phthalate i-n-butyl phthalate i-n-octyl phthalate ibenz[a,h]anthracene ibenzofuran iethyl phthalate luoranthene luorene exachlorobenzene exachlorobutadiene exachlorocyclopentadiene exachloroethane deno[1,2,3-cd]pyrene ophorone	ND ND ND 100 J ND 650 76 J ND 72 J 300 J ND ND	380 380 380 380 380 380 380 380 380 380	4.2 1.5 2.2 2.2 12 2.5 1.8 3.2 1.8 1.5 1.7	μg/Kg-dry 1 μg/Kg-dry 1	01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
is (2-Chloroethoxy) methane is (2-chloroethoxy) methane is (2-chlorois opropyl) ether is (2-Ethylhexyl) phthalate utyl benzyl phthalate hrysene i-n-butyl phthalate i-n-octyl phthalate ibenz[a,h]anthracene ibenzofuran iethyl phthalate imethyl phthalate imethyl phthalate iwerene exachlorobenzene exachlorobenzene exachlorocyclopentadiene exachlorocethane deno[1,2,3-cd] pyrene ophorone	ND ND 100 J ND 650 76 J ND 72 J 300 J ND ND	380 380 380 380 380 380 380 380 380 380	1.5 2.2 2.2 12 2.5 1.8 3.2 1.8 1.5 1.7	μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1	01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
is (2-chloroethyl)ether is (2-chloroisopropyl)ether is (2-Ethylhexyl)phthalate utyl benzyl phthalate hrysene i-n-butyl phthalate i-n-octyl phthalate ibenz[a,h]anthracene ibenzofuran iethyl phthalate imethyl phthalate imethyl phthalate uoranthene exachlorobenzene exachlorobenzene exachlorocyclopentadiene exachlorocethane deno[1,2,3-cd]pyrene ophorone	ND ND 100 J ND 650 76 J ND 72 J 300 J ND ND	380 380 380 380 380 380 380 380 380 380	2.2 2.2 12 2.5 1.8 3.2 1.8 1.5 1.7	μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1	01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
s(2-chloroisopropyl)ether s(2-Ethylhexyl)phthalate utyl benzyl phthalate hrysene i-n-butyl phthalate i-n-octyl phthalate ibenz[a,h]anthracene ibenzofuran iethyl phthalate uoranthene uorene exachlorobenzene exachlorobenzene exachlorocyclopentadiene exachlorocyclopentadiene exachlorocethane deno[1,2,3-cd]pyrene ophorone	ND 100 J 850 76 J ND 72 J 300 J ND ND	380 380 380 380 380 380 380 380 380	2.2 12 2.5 1.8 3.2 1.8 1.5 1.7	μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1	01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
s(2-Ethylhexyl)phthalate utyl benzyl phthalate hrysene -n-butyl phthalate -n-octyl phthalate benz[a,h]anthracene benzofuran ethyl phthalate methyl phthalate uoranthene uorene exachlorobenzene exachlorobenzene exachlorocyclopentadiene exachlorocytlopentadiene exachlorocethane deno[1,2,3-cd]pyrene ophorone	100 J ND 650 76 J ND 72 J 300 J ND ND	380 380 380 380 380 380 380 380	12 2.5 1.8 3.2 1.8 1.5 1.7	μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1	01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
utyi benzyi phthalate hrysene i-n-butyi phthalate i-n-octyi phthalate ibenz[a,h]anthracene ibenzofuran iethyl phthalate imethyl phthalate uoranthene uorene exachlorobenzene exachlorobenzene exachlorobutadiene exachlorocyclopentadiene exachlorocethane deno[1,2,3-cd]pyrene ophorone	ND 850 76 J ND 72 J 300 J ND ND	380 380 380 380 380 380 380	2.5 1.8 3.2 1.8 1.5 1.7	µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1	01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
hrysene -n-butyl phthalate -n-octyl phthalate benz[a,h]anthracene benzofuran ethyl phthalate methyl phthalate uoranthene uorene exachlorobenzene exachlorobutadiene exachlorocyclopentadiene exachlorocethane deno[1,2,3-cd]pyrene ophorone	650 76 J ND 72 J 300 J ND ND	380 380 380 380 380 380	1.8 3.2 1.8 1.5 1.7	µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1 µg/Kg-dry 1	01/25/06 21:10 01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
-n-butyl phthalate -n-octyl phthalate benz[a, h]anthracene benzofuran ethyl phthalate methyl phthalate uoranthene uorene exachlorobenzene exachlorobutadiene exachlorocyclopentadiene exachlorocethane deno[1,2,3-cd]pyrene ophorone	76 J ND 72 J 300 J ND ND	380 380 380 380	3.2 1.8 1.5 1.7	μg/Kg-dry 1 μg/Kg-dry 1 μg/Kg-dry 1	01/25/06 21:10 01/25/06 21:10 01/25/06 21:10
-n-octyl phthalate benz[a,h]anthracene benzofuran ethyl phthalate methyl phthalate uoranthene uorene exachlorobenzene exachlorobutadiene exachlorocyclopentadiene exachlorocyclopentadiene exachlorocethane deno[1,2,3-cd]pyrene ophorone	ND 72 J 300 J ND ND	380 380 380	1.8 1.5 1.7	µg/Kg-dry 1 µg/Kg-dry 1	01/25/06 21:10 01/25/06 21:10
benz[a, h]anthracene benzofuran iethyl phthalate imethyl phthalate uoranthene uorene exachlorobenzene exachlorobutadiene exachlorocyclopentadiene exachlorocyclopentadiene exachlorocyclopentadiene exachloroethane deno[1,2,3-cd]pyrene ophorone	72 J 300 J ND ND	380 380	1.5 1.7	µg/Kg-dry 1	01/25/06 21:10
benzofuran ethyl phthalate imethyl phthalate uoranthene uorene exachlorobenzene exachlorocyclopentadiene exachlorocyclopentadiene exachlorocethane deno[1,2,3-cd]pyrene ophorone	300 J ND ND	380	1.7		
imethyl phthalate uoranthene uorene exachlorobenzene exachlorobutadiene exachlorocyclopentadiene exachlorocethane deno[1,2,3-cd]pyrene ophorone	ND ND				
methyl phthalate uoranthene uorene exachlorobenzene exachlorobutadiene exachlorocyclopentadiene exachloroethane deno[1,2,3-cd]pyrene ophorone	ND	000	2.7	µg/Kg-dry 1	01/25/06 21:10
uoranthene uorene exachlorobenzene exachlorobutadiene exachlorocyclopentadiene exachloroethane deno[1,2,3-cd]pyrene ophorone		380	1.9	µg/Kg-dry 1	01/25/06 21:10
exachlorobenzene exachlorobutadiene exachlorocyclopentadiene exachloroethane deno[1,2,3-cd]pyrene ophorone	760	380	1.8	µg/Kg-dry 1	01/25/06 21:10
exachlorobutadiene exachlorocyclopentadiene exachloroethane deno[1,2,3-cd]pyrene ophorone	ND	380	`1.9	µg/Kg-dry 1	01/25/06 21:10
exachlorocyclopentadiene exachloroethane deno[1,2,3-cd]pyrene ophorone	ND	380	3.0	μg/Kg-dry 1	01/25/06 21:10
exachloroethane deno[1,2,3-cd]pyrene ophorone	ND	380	4.0	µg/Kg-dry 1	01/25/06 21:10
exachloroethane deno[1,2,3-cd]pyrene ophorone	ND	380	15	µg/Kg-dry 1	01/25/06 21:10
deno[1,2,3-cd]pyrene ophorone	ND	380	4.1	µg/Kg-dry 1	01/25/06 21:10
ophorone	140 J	380	1.5	µg/Kg-dry 1	01/25/06 21:10
entre de la construction de la const	ND	380	1.8	µg/Kg-dry 1	01/25/06 21:10
Nitroso-di-n-propylamine	ND	380	3.2	μg/Kg-dry 1	01/25/06 21:10
Nitrosodiphenylamine	ND	380	1.8	µg/Kg-dry 1	01/25/06 21:10
aphthalene	590	380	1.0		01/25/06 21:10
itrobenzene	590 ND	380	2.3	µg/Kg-dry 1 µg/Kg-dry 1	01/25/06 21:10
entachlorophenol	ND	1900	2.3 32	µg/Kg-dry 1	01/25/06 21:10
nenanthrene	1200	380			01/25/06 21:10
nenol	ND	380	1. <b>4</b> 1.5	µg/Kg-dry 1 µg/Kg-dry 1	01/25/06 21:10
rene	750	380	1.5 1.8	· · · · ·	01/25/06 21:10
Surr: 2,4,6-Tribromophenol	750 65.9	360 20-143	1.6 0	µg/Kg-dry 1 %REC 1	01/25/06 21:10
Sur: 2-Fluorobiphenyl	90.5	46-130	0	%REC 1	01/25/06 21:10
Sur: 2-Fluorophenol	90.5 74.8	48-130 22-130	0	%REC 1	01/25/06 21:10
Sur: Nitrobenzene-d5	74.8 81.7	39-130	0	%REC 1	01/25/06 21:10
Dualifiers: B Analyte detected in the asso	ciated Metho	d Blank	E Value ex	ceeds the instrument calib	nation pance
Qualifiers: B Analyte detected in the asso H Holding times for preparation				detected below the PQL	winder tende

### LSL 5000 Brittonfield Parkway, Suite 200

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### **Analytical Results**

01/25/06 21:10

E	East Syracuse, NY 13057 (315) 437-0200				StateCertNo: 10155			
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Sampl Collection D Date Receive	ate:	<b>0601049-0</b> <b><i>BH-20-S</i></b> 01/11/06 7: 01/12/06 7:	55	
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:18:39 A	Sample Size: 30 %Moisture: 12 TestCode: 82	0	PrepDate: BatchNo: FileID:		01/13/06 8:1 2374/R4378 1-SAMP-N3	3	
Analyte		Result Qual	PQL	MDL	Units	5 DF	Date Analyzed	
SEMIVOLAT	TILE ORGANIC COMPO		SW	8270C	%REC	(SW3550) C 1	B) 01/25/06 21:10	

36-146

Qualifiers:

Surr: Terphenyl-d14

Analyte detected in the associated Method Blank В Н Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

- Value exceeds the instrument calibration range Е
- Analyte detected below the PQL J

%REC

- Prim./Conf. column %D or RPD exceeds limit Ρ
- S Spike Recovery outside accepted recovery limits

# LSL Store Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200

ColumnID: ZB-5       9         Revision: 01/31/06 10:18:39 A       1         Analyte       1         EMIVOLATILE ORGANIC COMPOUND       2,4-Trichlorobenzene         ,2-Dichlorobenzene       3-Dichlorobenzene         ,3-Dichlorobenzene       4,5-Trichlorophenol         ,4-Dichlorobenzene       4,5-Trichlorophenol         ,4-Dichlorophenol       4,5-Trichlorophenol         ,4-Dinitrotoluene       6-Dinitrotoluene         ,6-Dinitrotoluene       6-Dinitrotoluene         -Chlorophenol       -Methylnaphthalene         -Methylphenol       -Nitroaniline         -Nitrophenol       3'-Dichlorobenzidine	Sample Size: %Moisture: FestCode:	-			50
EMIVOLATILE ORGANIC COMPOUN ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dinitrotoluene ,6-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitroaniline -Nitroaniline	Besult Ou	VEIVO INUN		Date:         01/13/06 8:1           chNo:         2374/R4378           D:         1-SAMP-N3	1 · · · ·
2.4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dinitrophenol ,4-Dinitrotoluene ,6-Dinitrotoluene ,6-Dinitrotoluene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitroaniline -Nitrophenol ,3'-Dichlorobenzidine -Nitroaniline	Result Qu	al PQL	MD	L Units DF	Date Analyzed
,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylphenol -Nitroaniline -Nitrophenol ,3'-Dichlorobenzidine -Nitroaniline	IDS BY GC/	MS St	W82700	; (SW3550E	3)
,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitroaniline -Nitrophenol ,3'-Dichlorobenzidine -Nitroaniline	ND	380	3.0	µg/Kg-dry _1	01/25/06 21:48
,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylphenol -Nitroaniline -Nitrophenol ,3'-Dichlorobenzidine -Nitroaniline	ND	380	2.7	μg/Kg-dry 1	01/25/06 21:48
,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrophenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitroaniline -Nitroaniline -Nitroaniline	ND	380	1.8	µg/Kg-dry 1	01/25/06 21:48
,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrophenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylphenol -Nitroaniline -Nitrophenol ,3'-Dichlorobenzidine -Nitroaniline	ND	380	2.2	μg/Kg-dry 1	01/25/06 21:48
,4-Dichlorophenol ,4-Dimethylphenol ,4-Dimitrophenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitroaniline -Nitrophenol ,3'-Dichlorobenzidine -Nitroaniline	ND	1900	38	μg/Kg-dry 1	01/25/06 21:48
4-Dimethylphenol ,4-Dinitrophenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylphenol -Nitroaniline -Nitrophenol ,3'-Dichlorobenzidine -Nitroaniline	ND	380	3.5	μg/Kg-dry 1	01/25/06 21:48
,4-Dinitrophenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitroaniline -Nitrophenol ,3'-Dichlorobenzidine -Nitroaniline	ND	380	3.5	µg/Kg-dry 1	01/25/06 21:48
,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitroaniline -Nitrophenol ,3'-Dichlorobenzidine -Nitroaniline	ND	380	3.2	μg/Kg-dry 1	01/25/06 21:48
,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitroaniline -Nitrophenol ,3'-Dichlorobenzidine -Nitroaniline	ND	1900	70	µg/Kg-dry 1	01/25/06 21:48
-Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitroaniline -Nitrophenol ,3'-Dichlorobenzidine -Nitroaniline	· ND	380	3.2	µg/Kg-dry 1	01/25/06 21:48
-Chlorophenol -Methylnaphthalene -Methylphenol -Nitroaniline -Nitrophenol ,3'-Dichlorobenzidine -Nitroaniline	ND	380	3.7	μg/Kg-dry 1	01/25/06 21:48
-Methylnaphthalene -Methylphenol -Nitroaniline -Nitrophenol ,3'-Dichlorobenzidine -Nitroaniline	ND	380	1.8	µg/Kg-dry 1	01/25/06 21:48
-Methylphenol -Nitroaniline -Nitrophenol ,3´-Dichlorobenzidine -Nitroaniline	ND ·	380	2.5	μg/Kg-dry 1	01/25/06 21:48
-Nitroaniline -Nitrophenol ,3´-Dichlorobenzidine -Nitroaniline	190 J	380	1.8	µg/Kg-dry_1	01/25/06 21:48
-Nitrophenol ,3´-Dichlorobenzidine -Nitroaniline	ND	380	2.4	µg/Kg-dry 1	01/25/06 21:48
,3´-Dichlorobenzidine -Nitroaniline	ND	1900	4.0	μg/Kg-dry 1	01/25/06 21:48
Nitroaniline	ŅD	380	4.4	µg/Kg-dry 1	01/25/06 21:48
	ND	760	9.4	µg/Kg-dry 1	01/25/06 21:48
	ND	1900	13	µg/Kg-dry 1	01/25/06 21:48
6-Dinitro-2-methylphenol	ND	1900	31	µg/Kg-dry 1	01/25/06 21:48
-Bromophenyl phenyl ether	ND	380	2.7	µg/Kg-dry 1	01/25/06 21:48
-Chloro-3-methylphenol	ND	380	3.0	µg/Kg-dry 1	01/25/06 21:48
-Chloroaniline	ND	380	4.7	µg/Kg-dry 1	01/25/06 21:48
-Chlorophenyl phenyl ether	ND	380	2.9	µg/Kg-dry 1	01/25/06 21:48
-Methylphenol	ND	380	2.2	µg/Kg-dry 1	01/25/06 21:48
-Nitroaniline	ND	1900	6.4	μg/Kg-dry 1	01/25/06 21:48
-Nitrophenol	ND	1900	15	µg/Kg-dry 1	01/25/06 21:48
cenaphthene	ND	380	1.3	µg/Kg-dry 1	01/25/06 21:48
cenaphthylene	ND	380	1.7	μ <b>g</b> /Kg-dry 1	01/25/06 21:48
nîline	ND	380	4.7	µg/Kg-dry 1	01/25/06 21:48
nthracene	ND	380	1.6	µg/Kg-dry 1	01/25/06 21:48
enzo[a]anthracene	120 J	380	1.6	µg/Kg-dry 1	01/25/06 21:48
enzo[a]pyrene	120 J	380	1.9	µg/Kg-dry 1	01/25/06 21:48
enzo[b]fluoranthene	190 J	380	2.8	µg/Kg-dry 1	01/25/06 21:48
enzojg,h,i]perylene	73 J	380	1.9	µg/Kg-dry 1	01/25/06 21:48
Qualifiers: B Analyte detected in the as				Value exceeds the instrument calib	ration range
H Holding times for prepara ND Not Detected at the Practi				Analyte detected below the PQL Prim./Conf. column %D or RPD ex	ceeds limit

**Analytical Results** 

CLIENT:O'Brien & Gere Engineeroject:Geneva FoundryV Order:0601049Jatrix:SOILnst. ID:MS05 26ColumnID:ZB-5Revision:01/31/06 10:18:39 A	Sample Size: %Moisture: TestCode:		Collection I Date Receiv PrepDate: BatchNo:		05 50 14 A 3
nalyte	Result Qu	al PQL	MDL	Units DF	Date Analyzed
EMIVOLATILE ORGANIC COMPOU	INDS BY GC/	MS SW	8270C	(SW3550)	B)
enzo[k]fluoranthene	63 J	380	2.5	µg/Kg-dry 1	01/25/06 21:48
enzoic acid	ND	1900	120	µg/Kg-dry 1	01/25/06 21:48
enzyl alcohol	ND	380	4.2	µg/Kg−dry 1	01/25/06 21:48
s(2-Chloroethoxy)methane	ND	380	1.5	µg/Kg-dry 1	01/25/06 21:48
s(2-chloroethyl)ether	ND	380	2.2	µg/Kg-dry 1	01/25/06 21:48
s(2-chloroisopropyl)ether	ND	380	2.2	µg/Kg-dry 1	01/25/06 21:48
s(2-Ethylhexyl)phthalate	71 J	380	13	µg/Kg-dry 1	01/25/06 21:48
utyl benzyl phthalate	ND	380	2.5	µg/Kg-dry 1	01/25/06 21:48
hrysene	150 J	380	1.8	µg/Kg-dry 1	01/25/06 21:48
i-n-butyl phthalate	88 J	380	3.2	µg/Kg-dry 1	01/25/06 21:48
i-n-octyl phthalate	ND	380	1.8	µg/Kg-dry 1	01/25/06 21:48
ibenz[a,h]anthracene	ND	380	1.5	µg/Kg-dry 1	01/25/06 21:48
ibenzofuran	56 J	380	1.7	µg/Kg-dry 1	01/25/06 21:48
iethyl phthalate	ND	380	2.7	µg/Kg-dry 1	01/25/06 21:48
imethyl phthalate	ND	380	2.0	µg/Kg-dry 1	01/25/06 21:48
uoranthene	210 J	380	1.8	µg/Kg-dry 1	01/25/06 21:48
uorene	ND	380	1.9	µg/Kg-dry 1	01/25/06 21:48
exachlorobenzene	ND	380	3.0	µg/Kg-dry 1	01/25/06 21:48
exachlorobutadiene	ND	380	4.1	µg/Kg-dry 1	01/25/06 21:48
exachlorocyclopentadiene	ND	380	15	µg/Kg-dry 1	01/25/08 21:48
exachloroethane	ND	380	4.1	µg/Kg-dry 1	01/25/06 21:48
deno[1,2,3-cd]pyrene	60 J	380	1.5	µg/Kg-dry 1	01/25/06 21:48
ophorone	ND	380	1.8	µg/Kg-dry 1	01/25/06 21:48
-Nitroso-di-n-propylamine	ND	380	3.3	µg/Kg-dry 1	01/25/06 21:48
-Nitrosodiphenylamine	ND	380	1.8	µg/Kg-dry 1	01/25/06 21:48
aphthaiene	120 J	380	1.2	µg/Kg-dry 1	01/25/06 21:48
itrobenzene	ND	380	2.3	µg/Kg-dry 1	01/25/06 21:48
entachlorophenot	ND	1900	32	µg/Kg-dry 1	01/25/06 21:48
henanthrene	190 J	380	1.4	µg/Kg-dry 1	01/25/06 21:48
henol	ND	380	1.6	µg/Kg-dry 1	01/25/06 21:48
yrene	180 J	380	1.8	µg/Kg-dry 1	01/25/06 21:48
Surr: 2,4,6-Tribromophenol	113	20-143	0	%REC 1	01/25/06 21:48
Sur: 2-Fluorobiphenyl	91.0	46-130	0	%REC 1	01/25/06 21:48
Surr: 2-Fluorophenol	77.1	22-130	0	%REC 1	01/25/08 21:48
Surr: Nitrobenzene-d5	80.0	39-130	0	%REC 1	01/25/06 21:48
Dualifiers: B Analyte detected in the	associated Metho	d Blank	E Value exc	ceeds the instrument calil	oration range

S Spike Recovery outside accepted recovery limits

**Analytical Results** 

E	ast Syracuse, NY 130	57 (315)	437-0200			tateCertNo:	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Sample Collection Dat Date Received	e:	0601049-00 BH-20-D 01/11/06 8:0 01/12/06 7:5	5
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:18:39 A	Sample Size: %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:		01/13/06 8:14 2374/R4378 1-SAMP-N3	
Analyte		Result Qu	al PQL	MDL U	Jnits	DF	Date Analyzed
SEMIVOLAT	ILE ORGANIC COMPO	OUNDS BY GC/	MS SW	8270C		(SW3550B	)

				GHULIUU		0	/
·	Sur: Phenol-d5	74.6	33-130	· 0	%REC	1	01/25/06 21:48
	Surr. Terphenyl-d14	95.2	36-146	D	%REC	1	01/25/06 21:48

**Qualifiers:** 

- В Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded Н ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range

J Analyte detected below the PQL

Р Prim./Conf. column %D or RPD exceeds limit

Е

East Syracuse, NY 1305	57 (315	) 437-0200			StateCertNo: 10155				
CLIENT: O'Brien & Gere Engine roject: Geneva Foundry V Order: 0601049 fatrix: SOLL	ers, Inc.		1	Collectio	ab ID:         0601049-003B           Client Sample ID:         BH-21-S           Collection Date:         01/10/06 15:15           Pate Received:         01/12/06 7:50				
nst. ID: MS05 26	Sample Size	: 30 g		PrepDate	e: 01	/13/06 8:	14 A		
olumnID: ZB-5	%Moisture	: 13.5		BatchNo	: 23	74/ <mark>R</mark> 4378	8		
evision: 01/31/06 10:18:39 A	TestCode:	8270S TA	GML	FileD:	1-1	SAMP-N	3885.D		
nalyte	Result Qu	al PQL	I	MDL	Units	DF	Date Analyze		
EMIVOLATILE ORGANIC COMPO	UNDS BY GC	/MS	SW82	270C		SW3550	<b>B)</b>		
2,4-Trichlorobenzene	ŇĎ	380		3.0	µg/Kg-dry		. 01/25/06 23:40		
2-Dichlorobenzene	ND	380	2	2.7	µg/Kg-dry		01/25/06 23:40		
3-Dichlorobenzene	ND	380	1	.8	µg/Kg-dry		01/25/06 23:40		
4-Dichlorobenzene	ND	380	2	2.2	µg/Kg-dry		01/25/08 23:40		
4,5-Trichlorophenol	ND	1900			µg/Kg-dry		01/25/06 23:40		
4,6-Trichlorophenol	ND	380		).6	μg/Kg-dry		01/25/06 23:40		
4-Dichtorophenol	ND	380		).5	µg/Kg-dry		01/25/06 23:40		
4-Dimethylphenol	ND	380		.3	µg/Kg-dry		01/25/06 23:40		
4-Dinitrophenoi	ND	1900		0	µg/Kg-dry		01/25/06 23:40		
4-Dinitrotoluene	ND	380		.2	µg/Kg-dry		01/25/06 23:40		
6-Dinitrotoluene	ND	380			µg/Kg-dry		01/25/06 23:40		
Chloronaphthalene	ND	380		.8	µg/Kg-dry		01/25/06 23:40		
Chlorophenol	ND	380		2.5	µg/Kg-dry		01/25/06 23:40		
Methyinaphthalene	ND	380		.8	μg/Kg-dry		01/25/06 23:40		
Methylphenol	ND	380		.4	μg/Kg-dry		01/25/06 23:40		
Nitroaniline	ND	1900		.0	µg/Kg-dry		01/25/06 23:40		
Nitrophenol	ND	380		.4	µg/Kg-dry		01/25/06 23:40		
3'-Dichlorobenzidine	ND	760		.4	μg/Kg-dry		01/25/06 23:40		
Nitroaniline	ND	1900	-	3	µg/Kg-dry		01/25/06 23:40		
6-Dinitro-2-methylphenol	ND	1900	3		µg/Kg-dry		01/25/06 23:40		
Bromophenyl phenyl ether	ND	380		.7	µg/Kg-dry		01/25/06 23:40		
Chloro-3-methylphenol	ND	380		.0	µg/Kg-dry		01/25/06 23:40		
Chloroaniline	ND	380		.7.	µg/Kg-dry		01/25/06 23:40		
Chlorophenyl phenyl ether	ND	380		.9	μg/Kg-dry		01/25/06 23:40		
Methylphenol	ND	380			µg/Kg-dry		01/25/06 23:40		
Nitroaniline	ND	1900		.4	µg//(g-dry µg/Kg-dry		01/25/06 23:40		
Nitrophenol	ND	1900		5	µg/Kg-dry		01/25/06 23:40		
enaphthene	ND	380		.4	µg/Kg-dry		01/25/06 23:40		
enaphthylene	ND	380		.4	µg/Kg-dry µg/Kg-dry		01/25/06 23:40		
illine	ND	380		.7	µg/Kg-dry		01/25/06 23:40		
thracene	ND	380			µg/Kg-dry		01/25/06 23:40		
nzo[a]anthracene	61 J	380		.6			01/25/06 23:40		
nzo[a]pyrene	74 J	380		.0 .9	µg/Kg-dry µg/Kg-doi		01/25/06 23:40		
nzo[b]fluoranthene	120 J	380		.9	µg/Kg-dry µg/Kg-dry		01/25/06 23:40		
inzo[g,h,i]perylene	49 J	380		.o .9	µg/Kg-dry µg/Kg-dry		01/25/06 23:40		
ualifiers: B Analyte detected in the	associated Methr	vl Rlank		E Value	exceeds the instr	· ·	ration range		
							Manon Imigo		
TI TRADING NINES TO DEPE	aration or analysis exceeded actical Quantitation Limit (PQL)			J Analyte detected below the PQL P Prim./Conf. column %D or RPD exceeds limit					

### Life Science Laboratories, Inc. Analytical Results 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200 StateCertNo: 10155 **CLIENT:** O'Brien & Gere Engineers, Inc. Lab ID: 0601049-003B Project: Geneva Foundry Client Sample ID: BH-21-S W Order: 0601049 **Collection Date:** 01/10/06 15:15 Matrix: SOIL 01/12/06 7:50 Date Received: Inst. ID: MS05 26 **PrepDate:** 01/13/06 8:14 A Sample Size: 30 g ColumnID: ZB-5 %Moisture: 13.5 **BatchNo:** 2374/R4378 **Revision:** 1-SAMP-N3885.D 01/31/06 10:18:39 A TestCode: 8270S TAGML FileID: Analyte **Result Qual POL** MDL Units DF **Date Analyzed**

			MDL			
SEMIVOLATILE ORGANIC COM	OUNDS BY GC/	DUNDS BY GC/MS		(SW3550B)		
Benzo[k]fluoranthene	ND	380	2.5	µg/Kg-dry 1	01/25/06 23:40	
Benzoic acid	ND	1900	120	µg/Kg-dry 1	01/25/06 23:40	
Benzyl alcohol	ND	380	4.2	µg/Kg-dry 1	01/25/06 23:40	
ois(2-Chloroethoxy)methane	ND	380	1.5	µg/Kg-dry 1	01/25/06 23:40	
bis(2-chloroethyl)ether	ND	380	2.2	µg/Kg-dry 1	01/25/06 23:40	
bis(2-chloroisopropyl)ether	ND	380	2.2	µg/Kg-dry 1	01/25/06 23:40	
ois(2-Ethylhexyl)phthalate	43 J	380	13	µg/Kg-dry 1	01/25/06 23:40	
Butyl benzyl phthalate	ND	380	2.5	µg/Kg-dry 1	01/25/06 23:40	
Chrysene	81 J	380	1.8	µg/Kg-dry 1	01/25/06 23:40	
Di-n-butyl phthalate	56 J	380	3.2	µg/Kg-dry 1	01/25/06 23:40	
Di-n-octyl phthalate	ND	380	1.8	µg/Kg-dry 1	01/25/06 23:40	
Dibenz[a,h]anthracene	ND	380	1.5	µg/Kg-dry 1	01/25/06 23:40	
Dibenzofuran	ND	380	1.7	µg/Kg-dry 1	01/25/06 23:40	
Diethyl phthalate	ND	380	2.8	µg/Kg-dry 1	01/25/06 23:40	
Dimethyl phthalate	ND	380	2.0	μg/Kg-dry 1	01/25/06 23:40	
luoranthene	120 J	380	1.8	µg/Kg-dry 1	01/25/06 23:40	
luorene	ND	380	1.9	µg/Kg-dry 1	01/25/06 23:40	
lexachlorobenzene	ND	380	3.0	µg/Kg-dry 1	01/25/06 23:40	
lexachlorobutadiene	ND	380	4.1	µg/Kg-dry 1	01/25/06 23:40	
lexachiorocyclopentadiene	ND	380	15	µg/Kg-dry 1	01/25/06 23:40	
Iexachloroethane	ND	380	4.1	μg/Kg-dry 1	01/25/06 23:40	
ndeno[1,2,3-cd]pyrene	40 J	380	1.5	µg/Kg-dry 1	01/25/06 23:40	
sophorone	ND ND	380	1.8	µg/Kg-dry 1	01/25/06 23:40	
I-Nitroso-di-n-propylamine	ND	380	3.3	µg/Kg-dry 1	01/25/06 23:40	
I-Nitrosodiphenylamine	ND	380	1.8	µg/Kg-dry 1	01/25/06 23:40	
laphthalene	ND	380	1.2	µg/Kg-dry 1	01/25/06 23:40	
litrobenzene	ND	380	2.3	µg/Kg-dry 1	01/25/06 23:40	
entachlorophenol	ND ND	1900	32	µg/Kg-dry 1	01/25/06 23:40	
Phenanthrene	50 J	380	1.4	µg/Kg-dry 1	01/25/06 23:40	
henol	ND	380	1.6	µg/Kg-dry 1	01/25/06 23:40	
Pyrene	100 J	380	1.8	µg/Kg-dry 1	01/25/06 23:40	
Surr: 2,4,6-Tribromophenol	121	20-143	0	%REC 1	01/25/06 23:40	
Sur: 2-Fluorobiphenyl	92.7	46-130	õ	%REC 1	01/25/06 23:40	
• •	80.0	40-130 22-130	0	%REC 1	01/25/06 23:40	
Surr: 2-Fluorophenol	00.0		· ·		01120100 20.40	

ND Not Detected at the Practical Quantitation Limit (PQL)

P Prim./Conf. column %D or RPD exceeds limit

S Spike Recovery outside accepted recovery limits

### Life Science Laboratories, Inc.

### **Analytical Results**

LSL 5000 Brittonfield Parkway, Suite 200	
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E	ast Syracuse, NY 130	57 (315)	StateCertNo: 10155				
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.	· · · · · · · · · · · · · · · · · · ·	Lab ID: Client Samp Collection I Date Receiv	Date:	<b>0601049</b> <b>BH21S</b> 01/10/06 1 01/12/06 7	5:15
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:18:39 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: L FileID:		01/13/06 8 2374/R437 1-SAMP-N	8
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
	TILE ORGANIC COMPC			W8270C		(SW3550	•
Surr: Pheno Surr: Terph		77.2 92.3	33-130 36-146	0 0	%REC %REC		01/25/06 23:40 01/25/06 23:40

Qualifiers:

- Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- Value exceeds the instrument calibration range Е
- J Analyte detected below the PQL
- Prim./Conf. column %D or RPD exceeds limit Р
- S Spike Recovery outside accepted recovery limits

В

CLIENT: O'Brien & Gere Engi Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	neers, Inc.		Collect	Sample ID:         BH-21-D           tion Date:         01/10/06 15:3           teceived:         01/12/06 7:56	25 0
Inst. ID: MS05 26 ColumnID: ZB-5 Revision: 01/31/06 10:18:39 A	Sample Size: %Moisture: TestCode:	-	PrepD Batchf FileID:	No: 2374/R4378	
Analyte	Result Qua		MDL	Units DF	Date Analyze
SEMIVOLATILE ORGANIC COM	OUNDS BY GC/N	NS SW	8270C	(SW3550B)	)
,2,4-Trichlorobenzene	ND	390	3.1	μg/Kg-dry 1	01/26/06 0:18
,2-Dichlorobenzene	ND	390	2.8	µg/Kg-dry 1	01/26/06 0:18
,3-Dichlorobenzene	ND	390	1.9	µg/Kg-dry 1	01/26/06 0:18
,4-Dichlorobenzene	ND	390	2.2	µg/Kg-dry 1	01/26/06 0:18
,4,5-Trichlorophenol	ND	2000	39	µg/Kg-dry 1	01/26/06 0:18
,4,6-Trichlorophenol	ND	390	3.6	μg/Kg-dry 1	01/26/06 0:18
4-Dichlorophenoi	ND	390	3.6	µg/Kg-dry 1	01/26/06 0:18
,4-Dimethylphenol	ND	390	3.3	µg/Kg-dry 1	01/26/06 0:18
,4-Dinitrophenol	ND	2000	71	µg/Kg-dry 1	01/26/06 0:18
,4-Dinitrotoluene	ND	390	3.2	µg/Kg-dry 1	01/26/06 0:18
,6-Dinitrotoluene	ND	390	3.8	μg/Kg-dry 1	01/26/06 0:18
-Chloronaphthalene	ND	390	1.9	µg/Kg-dry 1	01/26/06 0:18
-Chlorophenol	ND	390	2.6	µg/Kg-dry 1	01/26/06 0:18
-Methylnaphthalene	· ND	390	1.9	µg/Kg-dry 1	01/26/06 0:18
-Methylphenol	ND	390	2.4	µg/Kg-dry 1	01/26/06 0:18
-Nitroaniline	ND	2000	4.1	µg/Kg-dry 1	01/26/06 0:18
-Nitrophenol	ND	390	4.5	µg/Kg-dry 1	01/26/06 0:18
,3°-Dichlorobenzidine	ND	780 .	9.6	µg/Kg-dry 1	01/26/06 0:18
-Nitroaniline	ND	2000	13	µg/Kg-dry 1	01/26/06 0:18
,6-Dinitro-2-methyiphenol	ND	2000	32	µg/Kg-dry 1	01/26/06 0:18
-Bromophenyl phenyl ether	ND	390	2.7	µg/Kg-dry 1	01/26/06 0:18
-Chioro-3-methylphenol	ND	390	3.1	µg/Kg-dry 1	01/26/06 0:18
-Chlomaniiine	ND	390	4.8	µg/Kg-dry 1	01/26/06 0:18
-Chlorophenyl phenyl ether	ND	390	3.0	µg/Kg-dry 1	01/26/06 0:18
-Methyiphenoi	ND	390	2.2	µg/Kg-dry 1	01/26/06 0:18
-Nitroaniline	ND	2000	6.5	µg/Kg-dry 1	01/26/06 0:18
-Nitrophenoł	ND	2000	16	µg/Kg-dry 1	01/26/06 0:18
cenaphthene	ND	390	1.4	µg/Kg-dry 1	01/26/06 0:18
cenaphthylene	ND	390	1.7	µg/Kg-dry 1	01/26/06 0:18
niline	ND	390	4.8	µg/Kg-dry 1	01/26/06 0:18
nthracene	66 J	390	1.6	µg/Kg-dry 1	01/26/06 0:18
enzo[a]anthracene	270 J	390	1.7	µg/Kg-dry 1	01/26/06 0:18
enzo[a]pyrene	280 J	390	1.9	µg/Kg-dry 1	01/26/06 0:18
enzo[b]fluoranthene	430	390	2.8	μg/Kg-dry 1	01/26/06 0:18
enzo[g,h,l]perylene	150 J	390	2.0	µg/Kg-dry 1	01/26/06 0:18
Qualifiers: B Analyte detected in	the associated Method	Blank	E Va	lue exceeds the instrument calibra	ation range
	reparation or analysis	exceeded	J An	alyte detected below the PQL	
•	Practical Quantitation side accepted recovery		P Pri	m./Conf. column %D or RPD exc	zeeds limit

	East Syracuse, NY 130	57 (315)	437-0200		StateCertNo	10155		
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID:         0601049-004B           Client Sample ID:         BH-21-D           Collection Date:         01/10/06 15:25           Date Received:         01/12/06 7:50				
Inst. ID: ColumnID: Revision:	MS05 26 : ZB-5 01/31/06 10:18:39 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: FileID:	01/13/06 8:1 2374/R4378 1-SAMP-N3			
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyze		
SEMIVOLA	TILE ORGANIC COMPO	UNDS BY GC/	MS SW	8270C	(SW3550)	3)		
Benzo[k]fluor		170 J	390	2,5	µg/Kg-dry 1	01/26/06 0:18		
Benzoic acid		ND	2000	120	µg/Kg-dry 1	01/26/06 0:18		
Benzyl aicoh		ND	390	4.3	µg/Kg-dry 1	01/26/06 0:18		
	thoxy)methane	ND	390	1.5	µg/Kg-dry 1	01/26/06 0:18		
ois(2-chloroe		ND	390	2.2	µg/Kg-dry 1	01/26/06 0:18		
-	sopropyl)ether	ND	390	2.2	µg/Kg-dry 1	01/26/06 0:18		
-	xyl)phthalate	53 J	390	13	µg/Kg-dry 1	01/26/06 0:18		
Butyl benzyl j	-	ND	390	2.6	µg/Kg-dry 1	01/26/06 0:18		
hrysene	•	350 J	390	1.8	µg/Kg-dry 1	01/26/06 0:18		
Di-n-butyl phi	thalate	60 J	390	3.2	µg/Kg-dry 1	01/26/06 0:18		
Di-n-octyl phi		ND	390	1.8	µg/Kg-dry 1	01/26/06 0:18		
)ibenz[a,h]ai		49 J	390	1.6	µg/Kg-dry 1	01/26/06 0:18		
Dibenzofuran		ND	390	1.7	µg/Kg-dry 1	01/26/06 0:18		
Diethyl phtha	late	ND	390	2.8	µg/Kg-dry 1	01/26/06 0:18		
Dimethyl pht		ND	390	2.0	µg/Kg-dry 1	01/26/06 0:18		
luorenthene		570	390	1.8	µg/Kg-dry 1	01/26/06 0:18		
luorene		ND	390	1.9	µg/Kg-dry 1	01/26/06 0:18		
-lexachlorob	enzene	ND	390	3.1	µg/Kg-dry 1	01/26/06 0:18		
lexachlorob	utadiene	ND	390	4.1	µg/Kg-dry 1	01/26/06 0:18		
-lexachlorocy	yclopentadiene	ND	390	15	µg/Kg-dry 1	01/26/06 0:18		
lexachloroel	thane	ND	390	4.2	µg/Kg-dry 1	01/26/06 0:18		
ndeno[1,2,3/		110 J	390	1.6	µg/Kg-dry 1	01/26/06 0:18		
sophorone		ND	390	1.9	µg/Kg-dry 1	01/26/06 0:18		
and the states of the second	n-propylamine	ND	390	3.3	µg/Kg-dry 1	01/26/06 0:18		
N-Nitrosodipl		ND	390	1.8	µg/Kg-dry 1	01/26/06 0:18		
Naphthalene		ND	390	1.2	µg/Kg-dry 1	01/26/06 0:18		
vitrobenzene		ND	390	2.3	µg/Kg-dry 1	01/26/06 0:18		
Pentachlorop	phenol	ND	2000	32	µg/Kg-dry 1	01/26/06 0:18		
Phenanthren		370 J	390	1.4	µg/Kg-dry 1	01/26/06 0:18		
Phenol		ND	390	1.6	µg/Kg-dry 1	01/26/06 0:18		
<sup>o</sup> yrene	н. 	470	390	1.9	µg/Kg-dry 1	01/26/06 0:18		
Surr: 2,4,6	5-Tribromophenol	118	20-143	0	%REC 1	01/26/06 0:18		
Surr: 2-Flu	Jorobiphenyl	90.2	46-130	0	%REC 1	01/26/06 0:18		
Sun: 2-Flu	uorophenol	77.8	22-130	0	%REC 1	01/26/06 0:18		
Surr. Nitro	benzene-d5	81.4	39-130	0	%REC 1	01/26/06 0:18		
Qualifiers:	B Analyte detected in t	he associated Metho	od Blank		ceeds the instrument cali	bration range		
•	H Holding times for pr	paration or analysi	s exceeded	· -	detected below the PQL			
	ND Not Detected at the I	ractical Quantitation	on Limit (PQL)	P Prim./Co	onf, column %D or RPD (	exceeds limit.		
	S Spike Recovery outs	ide accepted recove	ry limits	1. J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	· .			

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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### **Analytical Results**

E	ast Syracuse, NY 130	57 (315)	StateCertNo: 10155				
CLIENT:	O'Brien & Gere Engin	eers, Inc.		Lab ID:		0601049-0	04B
Project:	Geneva Foundry			<b>Client Samp</b>	le ID:	BH-21-D	
W Order:	0601049			Collection D	ate:	01/10/06 15:	:25
Matrix:	SOIL			Date Receive	ed:	01/12/06 7:5	50
Inst. ID:	MS05 26	Sample Size:	: 30 g	PrepDate:		01/13/06 8:1	4 A
ColumnID:	ZB-5	%Moisture:	15.0	BatchNo:		2374/R4378	
Revision:	01/31/06 10:18:39 A	TestCode:	8270S TAGML	FileID:		1-SAMP-N3	886.D
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLAI	ILE ORGANIC COMPO	UNDS BY GC/	MS SW	8270C		(SW3550E	3)
Surr: Pheno	ol-d5	75.8	33-130	0	%REC	2 1	01/26/06 0:18

Surr: Phenol-d5	75.8	33-130	0	%REC	1	01/26/06 0:18
Surr: Terphenyl-d14	95.8	36-146	0	%REC	1	01/26/06 0:18

Qualifiers:

В Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits Ε Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

### Life Science Laboratories, Inc. LSL 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200 StateCertNo: 10155 CLIENT: O'Brien & Gere Engineers, Inc. Lab ID: 0601049-005B **Project:** Geneva Foundry Client Sample ID: BH-22-S W Order: 0601049 **Collection Date:** 01/10/06 13:00 Matrix: SOIL Date Received: 01/12/06 7:50 Inst. ID: MS05 26 Sample Size: 30 g **PrepDate:** 01/13/06 8.14 A ColumnID: ZB-5 2374/R4378 %Moisture: 14.8 **BatchNo: Revision:** 01/31/06 10:18:39 A TestCode: 1-SAMP-N3887.D 8270S TAGML FileID: Analyte **Result Qual PQL** MDL Units DF **Date Analyzed** SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS SW8270C (SW3550B) 1,2,4-Trichlorobenzene ND 390 3.1 01/26/06 0:55 µg/Kg-dry 1 1,2-Dichlorobenzene ND 390 2.7 µg/Kg-dry 1 01/26/06 0:55 1,3-Dichlorobenzene ND 390 1.9 µg/Kg-dry 1 01/26/06 0:55 1,4-Dichlorobenzene ND 390 2.2 µg/Kg-dry 1 01/26/06 0:55 2,4,5-Trichlorophenol ND 2000 39 01/26/06 0:55 µg/Kg-dry 1 2,4,6-Trichlorophenol ND 390 3.6 µg/Kg-dry 1 01/26/06 0:55 2,4-Dichlorophenol ND 390 3.6 µg/Kg-dry 1 01/26/06 0:55 2,4-Dimethylphenol 01/26/06 0:55 ND 390 3.3 µg/Kg-dry 1 2,4-Dinitrophenol ND 2000 71 µg/Kg-dry 1 01/26/06 0:55 2,4-Dinitrotoluene ND 390 3.2 µg/Kg-dry 1 01/26/06 0:55 2,6-Dinitrotoluene ND 390 3.7 µg/Kg-dry 1 01/26/06 0:55 2-Chloronaphthalene ND 390 1.9 µg/Kg-dry 1 01/26/06 0:55 2-Chlorophenol ND 390 2.5 µg/Kg-dry 1 01/26/06 0:55 2-Methylnaphthalene 220 J 390 1.9 µg/Kg-dry 1 01/26/06 0:55 2-Methylphenol ND 390 2.4 µg/Kg-dry 1 01/26/06 0:55 2-Nitroaniline ND 2000 4.1 µg/Kg-dry 1 01/26/06 0:55 2-Nitrophenol ND 390 4.5 µg/Kg-dry 1 01/26/06 0:55 3.3'-Dichlorobenzidine ND 780 9.6 µg/Kg-dry 1 01/26/06 0:55 3-Nitroaniline ND 2000 13 01/26/06 0:55 µg/Kg-dry 1 4,6-Dinitro-2-methylphenol 2000 ND 32 µg/Kg-dry 1 01/26/06 0:55 4-Bromophenyl phenyl ether ND 390 2.7 µg/Kg-dry 1 01/26/06 0:55 4-Chloro-3-methylphenol ND 390 3.1 µg/Kg-dry 1 01/26/06 0:55 4-Chloroaniline ND 390 4.8 µg/Kg-dry 1 01/26/06 0:55 4-Chlorophenyl phenyl ether ND 390 3.0 01/26/06 0:55 µg/Kg-dry 1 4-Methylphenol ND 390 2.2 µg/Kg-dry 1 01/26/06 0:55 4-Nitroaniline ND 2000 6.5 µg/Kg-dry 1 01/26/06 0:55 4-Nitrophenol ND 2000 16 µg/Kg-dry 1 01/26/06 0:55 Acenaphthene ND 390 1.4 µg/Kg-dry 1 01/26/06 0:55 Acenaphthylene 60 J 390 1.7 01/26/06 0:55 µg/Kg-dry 1 Aniline ND 390 4.8 µg/Kg-dry 1 01/26/06 0:55 Anthracene 88 J 390 1.6 µg/Kg-dry 1 01/26/06 0:55 Benzo[a]anthracene 420 390 1.7 µg/Kg-dry 1 01/26/06 0:55 Benzolalpyrene 480 390 1.9 µg/Kg-dry 1 01/26/06 0:55 Benzo[b]fluoranthene 850 390 2.8 µg/Kg-dry 1 01/26/06 0:55 Benzo[g,h,l]perviene 270 J 390 2.0 µg/Kg-dry 1 01/26/06 0:55

Qualifiers:

В Analyte detected in the associated Method Blank Н

Holding times for preparation or analysis exceeded Not Detected at the Practical Quantitation Limit (PQL) NÐ

Analyte detected below the PQL

Value exceeds the instrument calibration range

S Spike Recovery outside accepted recovery limits J

Р Prim./Conf. column %D or RPD exceeds limit

Project Supervisor: Thomas A. Alexander

E

**Analytical Results** 

CLIENT:	O'Brien & Gere Engi	ieers, Inc.		Lab	Lab ID: 0601049-005B				
Project:	Geneva Foundry				nt Sample ID: BH-22-S				
W Order:	0601049				Collection Date: 01/10/06 13:00				
Matrix:	SOIL			Date Received: 01/12/06 7:50					
Inst. ID:	MS05 26	Sample Size:	30 g	Pre	pDate: 01/13/06 8:1	4 A			
ColumnID; ZB-5		%Moisture:	14.8	Bat	chNo: 2374/R4378				
Revision:	01/31/06 10:18:39 A	TestCode:	TestCode: 8270S TAGML		ID: 1-SAMP-N3	1-SAMP-N3887.D			
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qua	al PQL	MD	L Units DF	Date Analyze			
	ILE ORGANIC COMP	OUNDS BY GC/	MS SW	82700	C (SW3550E	3)			
Benzo[k]fluora	Inthene	270 J	390	2.5	µg/Kg-dry 1	01/26/06 0:55			
Benzoic acid		ND	2000	120	μg/Kg-dry 1	01/26/06 0:55			
Benzyl alcoho	I	ND	390	4.3	µg/Kg-dry_1	01/26/06 0:55			
is(2-Chloroel	hoxy)methane	ND	390	1.5	μg/Kg-dry 1	01/26/06 0:55			
ois(2-chloroet	hyl)ether	ND	390	2.2	µg/Kg-dry 1	01/26/06 0:55			
bis(2-chloroise	ppropyl)ether	ND	390	2.2	µg/Kg-dry 1	01/26/06 0:55			
ois(2-Ethylhex	yl)phthalate	160 J	390	13	µg/Kg-dry 1	01/26/06 0:55			
Butyl benzyl p	hthalate	ND .	390	2.5	µg/Kg-dry 1	01/26/06 0:55			
Chrysene		540	390	1.8	µg/Kg-dry 1	01/26/06 0:55			
Di-n-butyl phti	nalate	58 J	390	3.2	µg/Kg-dry 1	01/26/06 0:55			
Di-n-octyl phth	alate	ND	390	1.8	µg/Kg-dry 1	01/26/06 0:55			
)ibenz[a,h]an	thracene	75 J	390	1.6	µg/Kg-dry 1	01/26/06 0:55			
Dibenzofuran		76 J	390	1.7	μg/Kg-dry 1	01/26/06 0:55			
iethyl phthal	ate	ND	390	2.8	μg/Kg-dry 1	01/26/06 0:55			
imethyl phth	alate	ND	390	2.0	μg/Kg-dry 1	01/26/06 0:55			
luoranthene		690	390	1.8	µg/Кg-dry 1	01/26/06 0:55			
luorene		· ND	390	1.9	μg/Kg-dry 1	01/26/06 0:55			
lexachlorobe	nzene	ND	390	3.1	µg/Kg-dry 1	01/26/06 0:55			
lexachlorobu		ND	390	4.1	µg/Kg-dry 1	01/26/06 0:55			
lexachiorocyc	clopentadiene	ND	390	15	µg/Kg-dry 1	01/26/06 0:55			
lexachloroeth		ND	390	4.2	µg/Kg-dry 1	01/26/06 0:55			
ndeno[1,2,3-c	d]pyrene	150 J	390	1.6	µg/Kg-dry 1	01/26/06 0:55			
sophorone	e esperante a contra	ND	390	1.9	µg/Кg-dry 1	01/26/06 0:55			
I-Nitroso-di-n	-propylamine	ND	390	3.3	µg/Kg-dry 1	01/26/06 0:55			
I-Nitrosodiph	enylamine	ND	390	1.8	µg/Kg-dry 1	01/26/06 0:55			
laphthalene		180 J	390	1.2	µg/Kg-dry 1	01/26/06 0:55			
litrobenzene		ND	390	2.3	µg/Kg-dry_ 1	01/26/06 0:55			
Pentachloroph	ienol	ND	2000	32	µg/Kg-dry 1	01/26/06 0:55			
henanthrene		480	390	1.4	µg/Kg-dry 1	01/26/06 0:55			
henol		40 J	390	1.6	µg/Kg-dry 1	01/26/06 0:55			
yrene		680	390	1.9	µg/Kg-dry 1	01/26/06 0:55			
Surr: 2,4,6-	Tribromophenol	112	20-143	0	%REC 1	01/26/06 0:55			
Surr: 2-Fluorobiphenyl		87.0	46-130	0	%REC 1	01/26/06 0:55			
Surr: 2-Fluo	•	71.9	22-130	0	%REC 1	01/26/06 0:55			
Surr: Nitrob	enzene-d5	74.8	39-130	0	%REC 1	01/26/06 0:55			
Qualifiers:	B Analyte detected in the	he associated Metho	d Blank	E	Value exceeds the instrument calibr	ration range			
			varation or analysis exceeded actical Quantitation Limit (PQL)		Analyte detected below the PQL Prim./Conf. column %D or RPD exceeds limit				
	S Spike Recovery outsi	de accepted recovery	y limits						

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### **Analytical Results**

E	East Syracuse, NY 13057 (315) 437-0200					StateCertNo: 10155			
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Sampl Collection Da Date Receive	ate:	<b>0601049-00</b> <b><i>BH-22-S</i></b> 01/10/06 13: 01/12/06 7:5	00		
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:18:39 A	Sample Size: %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:		01/13/06 8:14 2374/R4378 1-SAMP-N3			
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed		
	ILE ORGANIC COMPO	OUNDS BY GC/		8270C	%RE(	(SW3550B	) 01/26/06 0:55		

Surr: Phenol-d5	70.9	33-130	<b>0</b>	%REC 1	01/26/06 0:55
Surr: Terphenyl-d14	102	36-146	0	%REC 1	01/26/06 0:55

Qualifiers:

В Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL).

Spike Recovery outside accepted recovery limits S

Value exceeds the instrument calibration range Ε

Analyte detected below the PQL J

P Prim/Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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# Life Science Laboratories, Inc.

JV 13057

### **Analytical Results**

LIENT:	O'Brien & Gere Engine	ers inc	Lab	ID: 0601049-0	WOB				
roject: Geneva Foundry			· · · ·		nt Sample ID: BH-22-D				
V Order:	0601049				<b>Collection Date:</b> 01/10/06 13:20				
latrix:	SOIL				Date Received: 01/12/06 7:50				
nst. ID:	MS05 26	Sample Size:	20 a		Date: 01/13/06 8:	14 A			
list. 1D: ColumnID:		%Moisture:			hNo: 2374/R437				
levision:	01/31/06 10:18:39 A	TestCode:	8270S TAGM						
nalyte		Result Qu		MDL		Date Analyze			
	ILE ORGANIC COMPO			W8270C		01/26/06 1:32			
,2,4-Trichloro		ND	380	3.1	µg/Kg-dry 1	01/26/06 1:32			
,2-Dichlorobe	· .	ND	380	2.7	µg/Kg-dry 1	01/26/06 1:32			
,3-Dichlorobe		ND	380	1.8	µg/Kg-dry 1	01/26/06 1:32			
,4-Dichlorobe		ND	380	2.2	µg/Kg-dry 1	01/26/06 1:32			
,4,5-Trichlord	•	ND	1900	38	µg/Kg-dry 1	01/26/06 1:32			
4,6-Trichloro	• .	ND	380	3.6	µg/Kg-dry 1	01/26/06 1:32			
,4-Dichloroph		ND	380	3,6	µg/Kg-dry 1	01/26/06 1:32			
4-Dimethylp		ND	380	3.3	µg/Kg-dry 1 us%a day 1	01/26/06 1:32			
4-Dinitrophe		ND	1900	70	μg/Kg-dry 1	01/26/06 1:32			
,4-Dinitrotolu		ND	380	3.2	µg/Kg-dry 1	01/26/06 1:32			
,6-Dinitrotolu		ND	380	3.7	µg/Kg-dry 1	01/26/06 1:32			
-Chloronaphi		ND	380	1.8	µg/Kg-dry 1	01/26/06 1:32			
-Chlorophene		ND	380	2.5	μg/Kg-dry 1	01/26/06 1:32			
-Methylnaphi		86 J	380	1.9	µg/Kg-dry 1				
-Methylphene	bi	ND	380	2,4	µg/Kg-dry 1	01/26/06 1:32 01/26/06 1:32			
-Nitroaniline		. ND	1900	4.1	µg/Kg-dry 1	01/26/06 1:32			
-Nitrophenol		ND	380	4.4	µg/Kg-dry 1	01/26/08 1:32			
3'-Dichlorob	enzidine	ND	770	9.5	µg/Kg-dry 1				
-Nitroaniline		ND	1900	13	µg/Kg-dry 1	01/26/06 1:32			
-	nethylphenol	ND	1900	31	µg/Kg-dry 1	01/26/06 1:32			
	yl phenyl ether	ND	380	2.7	µg/Kg-dry 1	01/26/06 1:32			
-Chloro-3-me	en 1747 en la artera de la secola de la	ND	380	3.1	µg/Kg-dry 1	01/26/06 1:32			
-Chloroanilin		ND	380	4.7	µg/Kg-dry 1	01/26/06 1:32			
	yl phenyl ether	ND	380	3.0	µg/Kg-dry 1	01/26/06 1:32			
-Methylphen	ol	ND	380	2.2	µg/Kg-dry 1	01/26/06 1:32			
-Nitroaniline		ND	1900	6.4	µg/Kg-dry 1	01/26/06 1:32			
-Nitrophenol		ND	1900	15	µg/Kg-dry 1	01/26/06 1:32			
cenaphthene	•	ND	380	1.4	μg/Kg-dry 1	01/26/06 1:32			
cenaphthyle	ne	ND	380	1.7	µg/Kg-dry 1	01/26/06 1:32			
niline	-	ND	380	4.8	µg/Kg-dry 1	01/26/06 1:32			
hthracene		92 J	380	1.6	µg/Kg-dry 1	01/26/06 1:32			
enzo[a]arithi		350 J	380	1.6	µg/Kg-dry 1	01/26/06 1:32			
Benzo[a]pyrei	ne ·	460	380	1.9	µg/Kg-dry 1	01/26/06 1:32			
Senzo[b]fluon	anthene	690	380	2.8	µg/Kg-dry 1	01/26/06 1:32			
Benzo[g,h,l]p	erylene	280 J	380	2.0	µg/Kg-dry 1	01/26/06 1:32			
Qualifiers:	B Analyte detected in the			E	Value exceeds the instrument cal	ibration range			
•	H Holding times for pro			Ĵ	Analyte detected below the PQL				
	ND Not Detected at the F	ractical Quantitation	an Limit (BOL)	Р	Prim./Conf. column %D or RPD	exceeds limit			

Ea	st Syracuse, NY 130	57 (315)	<u></u>	StateCertNo: 10155					
CLIENT: O'Brien & Gere Engineers, Inc. roject: Geneva Foundry V Order: 0601049 fatrix: SOIL					Lab ID:         0601049-006B           Client Sample ID:         BH-22-D           Collection Date:         01/10/06 13:20           Date Received:         01/12/06 7:50				
			20.	Prep		6 8:14 A			
	MS05 26	Sample Size:		Bate					
columnID:		%Moisture:			hi 101	P-N3888.D			
Revision:	01/31/06 10:18:39 A	TestCode:	8270S TAGMI			· · · · · · · · · · · · · · · · · · ·			
nalyte		Result Qu	al PQL	MDL	Units DF	Date Analyze			
	LE ORGANIC COMPO	UNDS BY GC/	MS SV	V8270C	(SW3	550B)			
enzo[k]fluorar		240 J	380	2.5	μg/Kg-dry 1	01/26/06 1:32			
enzoic acid		ND	1900	120	µg/Kg-dry 1	01/26/06 1:32			
enzyl alcohol		ND	380	4.3	µg/Kg-dry 1	01/26/06 1:32			
is(2-Chloroeth	ioxy)methane	ND	380	1.5	µg/Kg-dry 1	01/26/06 1:32			
is(2-chloroeth		ND	380	2.2	µg/Kg-dry 1	01/26/06 1:32			
is(2-chloroiso		ND	380	2.2	μg/Kg-dry 1	01/26/06 1:32			
is(2-Ethylhexy		140 J	380	13	µg/Kg-dry 1	01/26/06 1:32			
utyl benzyl ph		ND	380	2.5	µg/Kg-dry 1	01/26/06 1:32			
hrysene		420	380	1.8	µg/Kg-dry 1.	01/26/06 1:32			
i-n-butyl phth	elate	ND	380	3.2	µg/Kg-dry 1	01/26/06 1:32			
i-n-octyl phtha		ND	380	1.8	µg/Kg-dry 1	01/26/06 1:32			
ibenz[a,h]anti		69 J	380	1.6	µg/Kg-dry 1	01/26/06 1:32			
ibenzofuran		45 J	380	1.7	μg/Kg-dry 1	01/26/06 1:32			
iethyl phthala	ta	ND	380	2.8	µg/Kg-dry 1	01/26/06 1:32			
imethyl phtha		ND	380	2.0	µg/Kg-dry 1	01/26/06 1:32			
luoranthene		550	380	1.8	μg/Kg-dry 1	01/26/06 1:32			
luorene		42 J	380	1.9	µg/Kg-dry 1	01/26/06 1:32			
lexachloroben	17010	ND	380	3.1	µg/Kg-dry 1	01/26/06 1:32			
lexachlorobut		ND	380	4.1	μg/Kg-dry 1	01/26/06 1:32			
lexachlorocyc		ND	380	15	µg/Kg-dry 1	01/26/06 1:32			
lexachloroeth:	•	ND	380	4.2	µg/Kg-dry 1	01/26/06 1:32			
		170 J	380	1.6	μg/Kg-dry 1	01/26/06 1:32			
ndeno[1,2,3-c		ND	380	1.9	µg/Kg-dry 1	01/26/06 1:32			
sophorone <b>I-Nitros</b> o-di-n-	executorizo	ND	380	3.3	µg/Kg-dry 1	01/26/06 1:32			
		ND	380	1.8	μg/Kg-dry 1	01/26/06 1:32			
I-Nitrosodiphe	mylennus.	84 J	380	1.2	µg/Kg-dry 1	01/26/06 1:32			
aphthalene		ND	380	2.3	µg/Kg-dry 1	01/26/06 1:32			
litrobenzene Sentochioroph	anal	ND	380 1900	32	μg/Kg-dry 1	01/26/06 1:32			
Pentachioroph	CIOI	400	380	52 1.4	µg/Kg-dry 1	01/26/06 1:32			
Phenanthrene		400 ND	380	1.6	μg/Kg-dry 1	01/26/06 1:32			
henoi		520	380	1.9	μg/Kg-dry 1	01/26/08 1:32			
yrene	T-b		20-143	1. <del>9</del> 0	%REC 1	01/26/06 1:32			
	Tribromophenol	. 117 86.1	20-143 46-130	0	%REC 1	01/26/06 1:32			
Surr: 2-Fluo			40-130 22-130	0	%REC 1	01/26/06 1:32			
Surr: 2-Fluo Surr: Nitrob	-	70.9 76.8	22-130 39-130	0	%REC 1	01/26/06 1:32			
Qualifiers:	B Analyte detected in t			E	Value exceeds the instrumer				
	H Holding times for pr			J	Analyte detected below the				
ND Not Detected at the Practical Quantitation Limit (PQL)				Р	Prim/Conf. column %D or 3	RPD exceeds limit			

# Life Science Laboratories, Inc.

**Analytical Results** 

5000 Brittonfield Parkway, Suite 200	
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E	ast Syracuse, NY 130	57 (315)	437-0200		S	tateCertNo: 1	0155
CLIENT: Project: W Order: Matrix: Inst. ID:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL MS05 26	Sample Size:	_	Lab ID: Client Samp Collection D Date Receive PrepDate:	le D: ate: ed:	01/10/06 13:20 01/12/06 7:50 01/13/06 8:14	0
ColumnID: Revision:	ZB-5 01/31/06 10:18:39 A	%Moisture: TestCode:	14.3 82708 TAGML	BatchNo: FileID:		2374/R4378 1-SAMP-N388	38.D
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLA	TILE ORGANIC COMPO	OUNDS BY GC	/MS SW	8270C		(SW3550B)	04/00/00 4/22

SE	MIVOLATILE ORGANIC COMPOUR	SWOLIUC		(01100002)			
	iurr. Phenoi-d5	70.6	33-130	0	%REC	1	01/26/06 1:32
-	surr: Terphenyl-d14	103	36-146	0	%REC	1	01/26/06 1:32
~	ante recipiter a						

Qualifiers:

- Analyte detected in the associated Method Blank **B** ' H Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL)
- Value exceeds the instrument calibration range E Analyte detected below the PQL J Prim./Conf. column %D or RPD exceeds limit P
- Spike Recovery outside accepted recovery limits S

### Life Science Laboratories, Inc. **Analytical Results** 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200 StateCertNo: 10155 0601049-007B O'Brien & Gere Engineers, Inc. CLIENT: Lab ID: **Project:** Geneva Foundry Client Sample ID: BH-23-S W Order: 0601049 **Collection Date:** 01/10/06 14:00 Matrix: SOIL Date Received: 01/12/06 7:50 Inst. ID: MS05 26 01/13/06 8:14 A Sample Size: 30 g **PrepDate:** ColumnID: ZB-5 **BatchNo:** 2374/R4500 %Moisture: 6.2 02/10/06 9:27:08 A **Revision:** TestCode: **8270S TAGML** FileID: 1-SAMP-N4003.D Analyte **Result Qual POL** MDL Units DF Date Analyzed SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS SW8270C (SW3550B) 1,2,4-Trichlorobenzene ND 1800 14 µg/Kg-dry 1 02/10/06 8:34 1,2-Dichlorobenzene ND 1800 12 02/10/06 8:34 µg/Kg-dry 1 1.3-Dichlorobenzene ND 1800 02/10/06 8:34 8.4 µg/Kg-dry 1 1,4-Dichlorobenzene ND 1800 10 02/10/06 8:34 µg/Kg-dry 1 2,4,5-Trichlorophenol ND 8900 170 µg/Kg-dry 1 02/10/06 8:34 2,4,8-Trichlorophenol ND 1800 16 µg/Kg-dry 1 02/10/06 8:34 2,4-Dichlorophenol ND 1800 16 02/10/06 8:34 µg/Kg-dry 1 2,4-Dimethylphenol ND 1800 02/10/06 8:34 15 µg/Kg-dry 1 2,4-Dinitrophenol ND 8900 320 02/10/06 8:34 µg/Kg-dry 1 2.4-Dinitrotoluene ND 1800 15 µg/Kg-dry 1 02/10/06 8:34 2.6-Dinitrotoluene ND 1800 17 02/10/06 8:34 µg/Kg-dry 1 2-Chloronaphthalene ND 1800 8.4 02/10/06 8:34 µg/Kg-dry 1 2-Chlorophenol ND 1800 12 µg/Kg-dry 1 02/10/06 8:34 2-Methylnaphthalene 1100 J 1800 8.5 02/10/06 8:34 µg/Kg-dry 1 2-Methylphenol ND 1800 11 µg/Kg-dry 1 02/10/06 8:34 2-Nitroaniline 2/10/06 8:34 2-Nitroph 2/10/06 8:34

2-Nitroaniline		ND	8900	19	µg/Kg-dry	1.	02/10/06 8:34
2-Nitrophenol		ND	1800	20	μg/Kg-dry	1:	02/10/06 8:34
3,3'-Dichlorobenzidine	-	ND	3500	43	µg/Kg-dry	1	02/10/06 8:34
3-Nitroaniline		ND	8900	60	µg/Kg-dry		02/10/06 8:34
4,6-Dinitro-2-methylphenol		ND	8900	140	µg/Kg-dry		02/10/06 8:34
4-Bromophenyl phenyl ether	• .	ND ·	1800	12	μg/Kg-dry		02/10/06 8:34
4-Chloro-3-methylphenol		ND	1800	14	µg/Kg-dry		02/10/06 8:34
4-Chloroaniline		ND	1800	22	µg/Kg-dry		02/10/06 8:34
4-Chlorophenyl phenyl ether	·	ND	1800	13	µg/Kg-dry		02/10/06 8:34
4-Methylphenol	· · · ·	ND	1800	10	µg/Kg-dry		02/10/06 8:34
4-Nitroaniline		ND	8900	. 29	μg/Kg-dry		02/10/06 8:34
4-Nitrophenol		ND	8900	70	µg/Kg-dry		02/10/06 8:34
Acenaphthene		ND	1800	6.2	µg/Kg-dry		02/10/06 8:34
Acenaphthylene		ND	1800	7.9	µg/Kg-dry		02/10/06 8:34
Aniline		ND	1800	22	µg/Kg-dry		02/10/06 8:34
Anthracene	4	ND	1800	7.2	μg/Kg-dry		02/10/08 8:34
Benzo[a]anthracene		320 J	1800	7.5	μg/Kg-dry		02/10/06 8:34
Benzo[a]pyrene	•	320 J	1800	8.8	µg/Kg-dry		02/10/06 8:34
Benzo[b]fluoranthene		690 J	1800	13	µg/Kg-dry		02/10/06 8:34
Benzo[g,h,l]perylene	•	230 J	1800	9.0	µg/Kg-dry		02/10/06 8:34
······································							

**Oualifiers:** 

Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL) E Value exceeds the instrument calibration range

S Spike Recovery outside accepted recovery limits

Analyte detected below the PQL Prim./Conf. column %D or RPD exceeds limit P

Print Date: 02/10/06 9:47

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Project Supervisor: Thomas A. Alexander

**Analytical Results** 

CLIENT: Project:	O'Brien & Gere Engine Geneva Foundry	ers, Inc.		Lab ID: Client San	0601049-0 nple ID: <i>BH-23-S</i>	107B
W Order:	0601049		•	Collection		
Matrix:	SOIL			Date Rece		
Inst. ID:	MS05 26	Sample Size:	30 g	PrepDate		
ColumnID:	ZB-5	%Moisture:	6.2	BatchNo:	2374/R4500	
Revision:	02/10/06 9:27:08 A	TestCode:	8270S TAGM	L FileID:	1-SAMP-N4	1003.D
Inalyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Units DF	Date Analyze
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC/	MS S	W8270C	(SW3550)	B)
Benzo[k]fluora	nthene	180 J	1800	11	µg/Kg-dry 1	02/10/06 8:34
lenzoic acid		NŅ	8900	560	µg/Kg-dry 1	02/10/06 8:34
enzyl alcohol	L	ND	1800	20	µg/Kg-dry 1	02/10/06 8:34
is(2-Chloroet	hoxy)methane	ND	1800	6.8	µg/Kg-dry 1 _	02/10/08 8:34
is(2-chioroeth	iyi)ether	ND ·	1800	10	µg/Kg-dry 1	02/10/06 8:34
is(2-chloroiso	propyl)ether	· ND	1800	10	µg/Kg-dry 1	02/10/06 8:34
is(2-Ethylhex	yl)phthalate	ND	1800	58	µg/Kg-dry 1	02/10/06 8:34
lutyl benzyl pl	hthalate	ND	1800	12	µg/Kg-dry 1	02/10/06 8:34
hrysene		540 J	1800	8.4	µg/Kg-dry 1	02/10/06 8:34
i-n-butyl phth	alate	ND	1800	15	µg/Kg-dry 1	02/10/06 8:34
i-n-octyl phth	alate	ND	1800	8.4	µg/Kg-dry 1	02/10/06 8:34
ibenz[a,h]ant	hracene	ND	1800	. 7.1	µg/Kg-dry 1	02/10/06 8:34
benzofuran		ND	1800	7.7	µg/Kg-dry 1	02/10/06 8:34
liethyl phthala	ite	ND	1800	13	µg/Kg-dry 1	02/10/06 8:34
imethyl phtha		ND	1800	9.1	µg/Kg-dry 1	02/10/06 6:34
luoranthene		400 J	1800	8.2	µg/Kg-dry 1	02/10/06 8:34
luorene		ND	1800	8.8	µg/Kg-dry 1	02/10/06 8:34
lexachiorober	IZENE	ND	1800	14	µg/Kg-dry 1	02/10/06 8:34
lexachlorobut	adiene	ND	1800	19	µg/Kg-dry 1	02/10/06 8:34
lexachlorocyc	lopentadiene	ND	1800	68	µg/Kg-dry 1	02/10/06 8:34
- lexachloroeth	•	ND	1800	19	µg/Kg-dry 1	02/10/06 8:34
ndeno[1,2,3-c	d]pyrene	ND	1600	7.1	µg/Kg-dry 1	02/10/06 8:34
ophorone		ND	1800	8.5	µg/Kg-dry 1	02/10/06 8:34
I-Nitroso-di-n-	propylamine	ND	1800	15	µg/Kg-dry 1	02/10/06 8:34
l-Nitrosodiphe		ND	1800	8.4	µg/Kg-dry 1	02/10/06 8:34
laphthalene		320 J	1800	5.3	µg/Kg-dry 1	02/10/06 8:34
litrobenzene		ND	1800	11	µg/Kg-dry 1	02/10/06 8:34
entachloroph	enol	ND	8900	150	µg/Kg-dry 1	02/10/06 8:34
henanthrene		900 J	1800	6.3	µg/Kg-dry 1	02/10/06 8:34
henol		ND	1800	7.2	µg/Kg-dry 1	02/10/06 8:34
yrene		560 J	1800	8.5	µg/Kg-dry 1	02/10/06 8:34
-	Tribromophenol	79.4	20-143	Ó	%REC 1	02/10/06 8:34
Surr: 2-Fluo		103	46-130	0	%REC 1	02/10/06 8:34
	rophenol	94.3	22-130	0	%REC 1	02/10/06 8:34
Surr: Z-riuo	•	· · · -				

S Spike Recovery outside accepted recovery limits

Print Date: 02/10/06 9:47

### **Analytical Results**

E	ast Syracuse, NY 1305	57 (315) 437-0200		StateCertNo: 10155
CLIENT: Project:	O'Brien & Gere Engine Geneva Foundry	ers, Inc.	Lab ID: Client Sample ID:	0601049-007B BH23-S
W Order: Matrix: Inst. ID: ColumnID: Revision:	0601049 SOIL MS05 26 ZB-5 02/10/06 9:27:08 A	Sample Size: 30 g %Moisture: 6.2 TestCode: 8270S TAGML	Collection Date: Date Received: PrepDate: BatchNo: FileID:	01/10/06 14:00 01/12/06 7:50 01/13/06 8:14 A 2374/R4500 1-SAMP-N4003.D
Analyte		Result Qual PQL	MDL Units	s DF Date Analyzed
Analyte SEMIVOLAT	ILE ORGANIC COMPO		MDL Unit: 8270C	s DF Date Analy (SW3550B)

Surr: Phenol-d5	94.9	33-130	0	%REC 1	02/10/06 8:34
Surr: Terphenyl-d14	121	36-146	• 0	%REC 1	02/10/06 8:34

Qualifiers:

- Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Value exceeds the instrument calibration range
- Analyte detected below the PQL l
- Prim./Conf. column %D or RPD exceeds limit P

В

Ε

CLIENT: Project:	O'Brien & Gere Engine Geneva Foundry	ers, Inc.	•				501049-008	B
W Order:	0601049						° <b>H-24-S</b> 1/11/06 9:40	
Matrix:	SOIL						l/12/06 7:50	
inst. ID:	MS05 26	Sample Size			-		/13/06 8:14 74/R4378	A
ColumnID:		%Moisture:					SAMP-N38	20 D
Revision:	01/31/06 10:18:39 A	TestCode:	8270S TAC	iML	F11C		SAIVIE-IN200	J.9.D
Analyte		Result Qu	al PQL	l	MD	L Units	DF	Date Analyze
SEMIVOLAT	TILE ORGANIC COMPO	UNDS BY GC/	MS	SW82	2700	<b>3</b>	(SW3550B)	
,2,4-Trichlord	benzene	ND ·	410	3	3.3	µg/Kg-dry	y 1	01/26/06 2:10
,2-Dichlorobe	nzene	ND	410	2	2.9	µg/Kg-drj	y 1	01/26/06 2:10
,3-Dichlorobe	nzene	ND	410	2	2.0	µg/Kg-dŋ	y 1.	01/26/06 2:10
4-Dichlorobe	nzene	ND	410	2	2.4	µg/Kg-drj	y 1	01/26/06 2:10
2,4,5-Trichlord	phenol	ND	2100	4	И	µg/Kg-dŋ	y 1	01/26/06 2:10
2,4,6-Trichlord	phenol	ND	410	3	3.8	µg/Kg-drj	y 1	01/26/06 2:10
4-Dichloroph	nenol	ND	410	3	8.8	∵µg/Kg-dry	y 1	01/26/06 2:10
4-Dimethylp	henol	, ND	410	3	3.5	µg/Kg-drj	y 1	01/26/06 2:10
4-Dinitrophe	nol	ND	2100	- 7	75	µg/Kg-dŋ	y 1	01/26/06 2:10
4-Dinitrotolu	ene	ND <sup>1</sup>	410	3	3.4	µg/Kg-drj	y 1	01/26/06 2:10
,6-Dinitrotoiu	ene	ND	410	4	I.O	µg/Kg-dŋ	y 1	01/26/06 2:10
-Chloronaphi	halene	ND	410	2	2.0	µg/Kg-dŋ	y 1	01/26/06 2:10
-Chlorophend	bl	ND	410	2	2.7	µg/Kg-drj	y 1	01/26/06 2:10
Methylnaphi	halene	350 J	410	2	2.0	µg/Kg-drj	y 1	01/26/06 2:10
Methylphena	bl · ·	ND	410	2	2.5	µg/Kg-drj	y 1	01/26/06 2:10
-Nitroaniline		ND	2100	4	I.4	µg/Kg-drj	y 1	01/26/06 2:10
-Nitrophenol		ND	410	4	l.7	µg/Kg-drj	y 1	01/26/06 2:10
,3'-Dichlorob	enzidine	ND	820	1	0	µg/Kg-dŋ	y 1	01/26/06 2:10
Nitroaniline		ND	2100	1	4	µg/Kg-drj	y 1	01/26/06 2:10
,6-Dinitro-2-n	nethylphenol	ND	2100	3	34	µg/Kg-drj	y 1	01/26/06 2:10
Bromopheny	/I phenyl ether	ND	410	2	2.9	µg/Kg-drj	y 1	01/26/06 2:10
-Chioro-3-me	thylphenol	ND	410	3	3.3	µg/Kg-dŋ	<b>y 1</b> .	01/26/06 2:10
-Chloroanilin	9	ND	410	· 5	5. <b>0</b>	µg/Kg-drj	<b>y</b> 1	01/26/06 2:10
-Chloropheny	/l phenyl ether	ND	410	Э	3.2	µg/Kg₋drj	y 1	01/26/06 2:10
-Methylphend	. Ic	ND	410	2	2.4	µg/Kg-drj	y 1	01/26/06 2:10
-Nitroaniline		· ND	2100	6	5.9	µg/Kg-drj	y 1	01/26/06 2:10
-Nitrophenol		ND	2100	1	6	, µg/Kg-dr	y 1	01/26/06 2:10
cenaphthene	)	120 J	410	1	.5	µg/Kg-dŋ	y 1	01/26/06 2:10
cenaphthyle	ne	220 J	410		1.8	µg/Kg-dn		01/26/06 2:10
niline		ND	410		5.1	µg/Kg-dr		01/26/06 2:10
hthracene		540	410		1.7	µg/Kg-dŋ		01/26/06 2:10
lenzo[a]anthr	acene	1600	410		I.8	µg/Kg-dr		01/26/06 2:10
Benzo[a]pyrer		1600	410		2.1	µg/Kg-dn		01/26/06 2:10
Benzo[b]fluora		2400	410		3.0	µg/Kg-dn		01/26/06 2:10
Benzo[g,h,l]pe		820	410		2.1	µg/Kg-dr		01/26/06 2:10
Qualifiers:	B Analyte detected in th	e associated Metho	d Blank		E	Value exceeds the inst	rument calibrat	lion range
Analiter 2:	H Holding times for pre				J	Analyte detected below		-
	ND Not Detected at the Pr	•				Prim./Conf. column %		eds limit
	S Spike Recovery outsid	=			-			

**Analytical Results** 

CLIENT: O'Brien & Gere Engineers, Inc. Project: Geneva Foundry W Order: 0601049 Matrix: SOIL				Lab ID:         0601049-008B           Client Sample ID:         BH-24-S           Collection Date:         01/11/06 9:40           Date Received:         01/12/06 7:50				
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:18:39 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:	23	/13/06 8:1 74/R4378 SAMP-N3	<b>;</b> .	
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Units	DF	Date Analyze	
SEMIVOLAT	LE ORGANIC COMPO	UNDS BY GC	/MS SW	8270C	- (	- SW3550I	3)	
Benzo[k]fluora		920	410	2.7	µg/Kg-dry		01/26/06 2:10	
Benzoic acid		ND	2100	130	µg/Kg-dry		01/26/06 2:10	
Benzyl alcoho		ND	410	4.6	µg/Kg-dry		01/26/06 2:10	
-	hoxy)methane	ND	410	1.6	µg/Kg-dry		01/26/06 2:10	
is(2-chloroet		ND	410	2.4	µg/Kg-dry		01/26/06 2:10	
is(2-chloroisc		ND	410	2.4	µg/Kg-dry		01/26/06 2:10	
is(2-Ethylhex		260 J	410	14	µg/Kg-dry		01/26/06 2:10	
utyl benzyl p		ND	410	2.7	μg/Kg-dry	1	01/26/06 2:10	
hrysene		1700	410	2.0	µg/Kg-dry	1	01/26/06 2:10	
)i-n-butyl phth	alate	ND	410	3.4	µg/Kg-dry		01/26/06 2:10	
i-n-octyl phth		ND	410	2.0	µg/Kg-dry		01/26/06 2:10	
ibenz[a,h]an		270 J	410	1.7	µg/Kg-dry		01/26/06 2:10	
benzoturan		270 J	410	1.8	µg/Kg-dry		01/26/06 2:10	
iethyl phthala	ate	ND	410	3.0	µg/Kg-dry		01/26/06 2:10	
imethyl phth		ND	410	2.1	µg/Kg-dry		01/26/06 2:10	
luoranthene		2900	410	1.9	µg/Kg-dry		01/26/06 2:10	
luorene		220 J	410	2.1	µg/Kg-dry		01/26/06 2:10	
lexachlorobe	nzene	ND	410	3.3	µg/Kg-dry		01/26/06 2:10	
lexachlorobu		ND	410	4.4	μg/Kg-dry		01/26/06 2:10	
	lopentadiene	ND	410	16	μg/Kg-dry		01/26/06 2:10	
lexachloroeth		ND	410	4.4	µg/Kg-dry		01/26/06 2:10	
ndeno[1,2,3-c		490	410	1.7	μg/Kg-dry		01/26/06 2:10	
sophorone		ND	410	2.0	µg/Kg-dry		01/26/06 2:10	
I-Nitroso-di-n	-propylamine	ND	410	3.5	μg/Kg-dry		01/26/06 2:10	
I-Nitrosodiph		ND	410	2.0	μg/Kg-dry		01/26/06 2:10	
laphthalene		330 J	410	1.2	µg/Kg-dry		01/26/06 2:10	
litrobenzene	÷.,	ND	410	2.5	μg/Kg-dry		01/26/06 2:10	
entachloroph	neno!	ND	2100	34	µg/Kg-dry		01/26/06 2:10	
henanthrene		2300	410	1.5	µg/Kg-dry		01/26/06 2:10	
henol		2300 55 J	410	1.7	µg/Kg-dry		01/26/06 2:10	
yrene		3200	410	2.0	µg/Kg-dry		01/26/06 2:10	
-	Tribromophenol	104	20-143	0	%REC	1	01/26/06 2:10	
Surr: 2-Fluc		82.6	46-130	0	%REC	1	01/26/06 2:10	
Sur: 2-Fluc	•	66.0	22-130	0	%REC	1	01/26/06 2:10	
Surr: Nitrob	-	70.3	39-130	0	%REC	1	01/26/06 2:10	
Qualifiers:	B Analyte detected in th	e associated Meth	od Blank	E Value e	xceeds the inst	rument calil	bration range	

S Spike Recovery outside accepted recovery limits

66.1

118

**Analytical Results** 

01/26/06 2:10

01/26/06 2:10

E	ast Syracuse, NY 130	57 (315)	437-0200			StateCertNo:	10155
CLIENT:	O'Brien & Gere Engin	eers, Inc.		Lab ID:		0601049-0	08B
Project:	Geneva Foundry			<b>Client Samp</b>	le D:	BH-24-S	
W Order:	0601049			Collection D	ate:	01/11/06 9:4	10
Matrix:	SOIL			Date Receiv	ed:	01/12/06 7:5	50
Inst. ID:	MS05 26	Sample Size	: 30 g	PrepDate:		01/13/06 8:1	4 A
ColumnID:	ZB-5	%Moisture:		BatchNo:		2374/R4378	•
Revision:	01/31/06 10:18:39 A	TestCode:	8270S TAGML	FileID:	÷.,	1-SAMP-N3	889.D
Analyte	:	Result Qu	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC/	MS SW	8270C		(SW3550E	3)

33-130

36-146

0

0

%REC

%REC

1

1

В Qualifiers:

Surr: Phenol-d5

Surr: Terphenyl-d14

- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Value exceeds the instrument calibration range Е
- J Analyte detected below the PQL
- Р Prim./Conf. column %D or RPD exceeds limit

Analytical Results

CLIENT: O'Brien & Gere Engineer Project: Geneva Foundry		ers, Inc.	s, Inc.		Lab ID:         0601049-008B           Client Sample ID:         BH-24-S           Collection Date:         01/11/06 9:40			
W Order: Matrix:	0601049 SOIL			Collection Date Rec				
inst. ID: ColumnID:	MS05 26 ZB-5	Sample Size %Moisture:	_	PrepDate BatchNo				
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAGML		1-RA-N395			
Analyte	• • • •	Result Qu	al PQL	MDL	Units DF	Date Analyze		
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC/	MS SW	8270C	(SW3550	)B)		
,2,4-Trichloro	benzene	ND	410	3.3	µg/Kg-dry 1	01/31/06 2:10		
,2-Dichlorobe	nzene	ND	410	2.9	µg/Kg-dry 1	01/31/06 2:10		
,3-Dichlorobe	nzene	ND	<b>410</b>	2.0	µg/Kg-dry 1	01/31/06 2:10		
,4-Dichlorobe	nzene	ND	410	2.4	µg/Kg-dry 1	01/31/06 2:10		
4,5-Trichloro	phenol	ND	2100	41	µg/Kg-dry 1	01/31/06 2:10		
4,6-Trichloro	phenol	ND	410	3.8	µg/Kg-dry 1	01/31/06 2:10		
4-Dichloroph	enol	ND	410	3.8	µg/Kg-diy 1	01/31/06 2:10		
,4-Dimethylpl	ienol	ND	410	3.5	µg/Kg-dry 1	01/31/06 2:10		
4-Dinitrophe	noi	ND	2100	75	µg/Kg₋dry 1	01/31/06 2:10		
4-Dinitrotolu	ene	ND	410	3.4	µg/Kg-dry 1	01/31/06 2:10		
,6-Dinitrotolue	e	ND	410	4.0	µg/Kg-dry 1	01/31/06 2:10		
-Chloronapht	halene	ND	410	2.0	µg/Kg-dry 1	01/31/06 2:10		
-Chioropheno	1	, ND	410	2.7	µg/Kg-dry 1	01/31/06 2:10		
-Methylnaphti	halene	320 J	410	2.0	µg/Kg-dry 1	01/31/06 2:10		
-Methylphena	ł	ND ,	410	2.5	µg/Kg-dıy 1	01/31/06 2:10		
-Nitroaniline		ND	2100	4.4	µg/Kg-dry 1	01/31/06 2:10		
-Nitrophenol		ND	410	4.7	µg/Kg-dry 1	01/31/06 2:10		
3'-Dichlorob	enzidine	ND	820	10	µg/Kg-dry 1	01/31/06 2:10		
-Nitroaniline		ND	2100	14	µg/Kg-dry 1	01/31/06 2:10		
,6-Dinitro-2-m	ethyiphenol	ND	2100	34	µg/Kg-dry 1	01/31/06 2:10		
-Bromopheny	l phenyl ether	ND	410	2.9	µg/Kg-dry 1	01/31/06 2:10		
-Chloro-3-me	thylphenol	ND	410	3.3	µg/Kg-dry 1	01/31/06 2:10		
-Chloroaniline	•	ND	410	5.0	µg/Kg-dry 1	01/31/06 2:10		
-Chloropheny	I phenyl ether	ND	410	3.2	µg/Kg-dry 1	01/31/06 2:10		
-Methyiphend	l	ND	410	2.4	µg/Kg-dry 1	01/31/06 2:10		
~Nitroaniline		ND	2100	6.9	µg/Kg-dry 1	01/31/06 2:10		
-Nitrophenol		ND	2100	16	µg/Kg-dry 1	01/31/06 2:10		
cenaphthene		120 J	410	1.5	µg/Kg-dry 1	01/31/06 2:10		
cenaphthyler	6	190 J	410	1.8	µg/Kg-dry 1	01/31/06 2:10		
nilîne		ND	410	5.1	µg/Kg-dry 1	01/31/06 2:10		
nthracene		520	410	1.7	µg/Kg-dıy 1	01/31/06 2:10		
enzo[a]anthra	acene	1600	410	1.8	µg/Kg-dry 1	01/31/06 2:10		
enzo[a]pyren	e -	1700	410	2.1	µg/Kg-dry 1	01/31/06 2:10		
Benzo[b]fiuora	nthene	2600	410	3.0	µg/Kg-dry 1	01/31/06 2:10		
enzo[g,h,l]pe	rylene	850	410	2.1	µg/Kg-dry 1	01/31/06 2:10		
Qualifiers:	B Analyte detected in th	e associated Metho	M Blank	E Value	exceeds the instrument cali	bration range		

S Spike Recovery outside accepted recovery limits

roject: V Order:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Sau Collection Date Reco		40
ColumnID:		Sample Size %Moisture:	19.7	PrepDate BatchNo:	2374/R4381	
tevision: nalyte	01/31/06 10:37:14 A	TestCode: Result Qu	8270S TAGML	FileID: MDL	1-RA-N395 Units DF	9.D Date Analyze
			-			
EMIVOLATI enzo[k]fluorar				V8270C	(SW3550)	<b>3)</b> 01/31/06 2:10
enzoic acid		730	410	2.7	µg/Kg-dry 1	01/31/06 2:10
enzyl alcohol		ND	2100	130	µg/Kg-dry 1	-
is(2-Chloroeth	novu)methene	ND ND	410 410	4.6 1.6	µg/Kg-dry 1 µg/Kg-dry 1	01/31/06 2:10 01/31/06 2:10
is(2-chloroeth)		ND	410 410	1.0 2,4	µg/Kg-dry 1	01/31/06 2:10
is(2-chloroiso)	•	ND	410	2.4 2.4	µg/Kg-dry 1	01/31/06 2:10
is(2-Ethylhexy		290 J	410	2.4 14	µg/Kg-dry 1	01/31/06 2:10
utyl benzyl ph		290 J ND	410	14 2.7	µg/Kg-dry 1	01/31/06 2:10
hrysene		1600	410	2.0	µg/Kg-dry 1	01/31/06 2:10
i-n-butyl phtha	alate	ND	410	2.0 3.4	µg/Kg-dry 1	01/31/06 2:10
i-n-octyl phtha		ND	410	2.0	µg/Kg-dry 1	01/31/06 2:10
ibenz[a,h]anti		240 J	410	2.0 1.7	µg/Kg-dry 1	01/31/06 2:10
ibenzofuran		240 J	410	1.8	µg/Kg-dry 1	01/31/06 2:10
iethyl phthalai	te .	240 J ND	410	3.0	µg/Kg-dry 1	01/31/06 2:10
imethyl phtha		ND	410	2.1	µg/Kg-dry 1	01/31/06 2:10
luoranthene		2900	410	1.9	µg/Kg-dry 1	01/31/06 2:10
luorene		210 J	410	2.1	µg/Kg-dry 1	01/31/06 2:10
exachloroben	zene	ND	410	3.3	µg/Kg-dry 1	01/31/06 2:10
exachlorobuta		ND	410	4.4	µg/Kg-dry 1	01/31/06 2:10
exachlorocycl	· · · ·	ND	410	16	µg/Kg-dry 1	01/31/06 2:10
exachloroethe	-	ND	410	4.4	µg/Kg-dry 1	01/31/06 2:10
deno[1,2,3-cc	•	410 J	410	1.7	µg/Kg-dry 1	01/31/06 2:10
ophorone	- <b>JL J</b> · <b>-</b> · · - · -	ND	410	2.0	µg/Kg-dry 1	01/31/06 2:10
-Nitroso-di-n-p	propylamine	ND	410	3.5	µg/Kg-dry 1	01/31/06 2:10
-Nitrosodipher		ND	410	2.0	µg/Kg-dry 1	01/31/06 2:10
aphthaiene	· · · · · · · · · · · · · · · ·	300 J	410	1.2	µg/Kg-dry 1	01/31/06 2:10
itrobenzene		ND	410	2.5	µg/Kg-dry 1	01/31/06 2:10
entachlorophe	enol	ND	2100	34	µg/Kg-dry 1	01/31/06 2:10
henanthrene	· · · ·	2400	410	1.5	µg/Kg-dry 1	01/31/06 2:10
henol		45 J	410	1.7	µg/Kg-dry 1	01/31/06 2:10
yrene		3400	410	2.0	µg/Kg-dry 1	01/31/06 2:10
•	ribromophenoi	106	20-143	0	%REC 1	01/31/06 2:10
Surr: 2-Fluor	-	91.9	46-130	0	%REC 1	01/31/06 2:10
Surr. 2-Fluor		64.6	22-130	0	%REC 1	01/31/06 2:10
Surr: Nitrobe	-	75.9	39-130	0	%REC 1	01/31/06 2:10
Qualifiers:	B Analyte detected in the	e associated Metho	d Blank	E Value e	exceeds the instrument calib	ration range
C-warren ge	H Holding times for prep				e detected below the PQL	. –

### Life Science Laboratories, Inc.

### **Analytical Results**

Analyte	•	Result Qu	al PQL	MDL	Units	DF	Date Analyze
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAGML	FileID:		1-RA-N3959	.D
ColumnID:	ZB-5	%Moisture:	19.7	BatchNo:		2374/R4381	
Inst. ID:	MS05 26	Sample Size:	: 30 g	PrepDate:		01/13/06 8:14	4 A
Matrix:	SOIL			Date Receive	ed:	01/12/06 7:5	0
W Order:	0601049			Collection Da		01/11/06 9:4	
Project:	Geneva Foundry			Client Samp	le ID:	<i>BH-24-S</i>	_
CLIENT:	O'Brien & Gere Engine	eers, Inc.		Lab ID:		0601049-00	)8B

Surr: Phenol-d5	61.8	33-130	0	%REC	1	01/31/06 2:10
Surr: Terphenyl-d14	129	36-146	0	%REC	1	01/31/06 2:10

Qualifiers:

Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

В

**Analytical Results** 

	•		Lab ID:         0601049-009B           Client Sample ID:         BH-24-D           Collection Date:         01/11/06 9:50           Date Received:         01/12/06 7:50			
nst. ID: MS05 26 ColumnID: ZB-5 Revision: 01/31/06 10:20:40 A	Sample Size %Moisture: TestCode:		PrepDat BatchNo FileID:		0	
nalyte	Result Qu		MDL	Units DF	Date Analyzed	
EMIVOLATILE ORGANIC COMP	OUNDS BY GC	MS SW	8270C	(SW3550	)B)	
,2,4-Trichlorobenzene	ND	460	3.7	µg/Kg-dry 1	01/27/06 19:01	
2-Dichlorobenzene	ND	460	3.3	µg/Kg-dry 1	01/27/06 19:01	
,3-Dichlorobenzene	ND	460	2.2	µg/Kg-dry 1	01/27/06 19:01	
,4-Dichlorobenzene	ND	460	2.6	µg/Kg-dry 1	01/27/06 19:01	
4,5-Trichlorophenol	ND	2300	46	µg/Kg-dry 1	01/27/06 19:01	
4,6-Trichlorophenol	ND	460	4.3	µg/Kg-dry 1	01/27/06 19:01	
4-Dichlorophenol	ND	460	4.3	µg/Kg-dry 1	01/27/06 19:01	
4-Dimethyiphenoi	ND	460	3.9	µg/Kg-dry 1	01/27/06 19:01	
4-Dinitrophenol	ND	2300	84	µg/Kg-dry 1	01/27/06 19:01	
4-Dinitrotoluene	ND	460	3.9	µg/Kg-dry 1	01/27/06 19:01	
6-Dinitrotoluene	ND	460	4.5	µg/Kg-dry 1	01/27/06 19:01	
Chloronaphihalene	ND	460	2.2	µg/Kg-dry 1	01/27/06 19:01	
Chlorophenol	ND	460	3.0	µg/Kg-dry 1	01/27/06 19:01	
-Methylnaphthalene	ND	460	2.2	µg/Kg-dry 1	01/27/06 19:01	
Methylphenol	ND	460	2.9	µg/Kg-dry 1	01/27/06 19:01	
Nitroaniline	ND	2300	4.9	µg/Kg-dry 1	01/27/06 19:01	
Nitrophenol	ND	460	5.3	µg/Kg-dry 1	01/27/06 19:01	
3'-Dichlorobenzidine	ND	920	11	µg/Kg-dry 1	01/27/06 19:01	
Nitroaniline	ND	2300	16	μg/Kg-dry 1	01/27/06 19:01	
6-Dinitro-2-methylphenol	ND	2300	36	µg/Kg-dry 1	01/27/06 19:01	
Bromophenyl phenyl ether	ND	460	3.2	µg/Kg-dry 1	01/27/06 19:01	
Chloro-3-methylphenol	ND	460	3.7	µg/Kg-dry 1	01/27/06 19:01	
-Chloroaniline	ND	460	5.7	µg/Kg-dry 1	01/27/06 19:01	
Chlorophenyl phenyl ether	ND	460	3.5	µg/Kg-dry 1	01/27/06 19:01	
Methylphenol	ND	460	2.7	μg/Kg-dry 1	01/27/06 19:01	
Nitroaniline	ND	2300	7.7	μg/Kg-dry 1	01/27/06 19:01	
Nitrophenol	ND	2300	18	μg/Kg-dry 1	01/27/06 19:01	
cenaphihene	100 J	460	1.6	µg/Kg-dry 1	01/27/06 19:01	
cenaphthylene	280 J	460	2.1	µg/Kg-dry 1	01/27/06 19:01	
niline	ND	460	5.7	ug/Kg-dry 1	01/27/06 19:01	
nthracene	960	460	1.9	µg/Kg-dry 1	01/27/06 19:01	
enzo[a]anthracene	3100	460	2.0	µg/Kg-dry 1	01/27/06 19:01	
enzo[a]pyrene	2600	460	2.3	µg/Kg-dry 1	01/27/06 19:01	
enzo[b]fluoranthene	2700	460	3.4	µg/Kg-dry 1	01/27/06 19:01	
enzo[g,h,l]perylene	1100	460	2.3	µg/Kg-dry 1	01/27/06 19:01	
Qualifiers: B Analyte detected in the Holding times for pre-				e exceeds the instrument call	bration range	

S Spike Recovery outside accepted recovery limits

	fe Science ] Brittonfield Parkw		ories, Inc.		Analy	tical Resul
East	Syracuse, NY 130	57 (315	437-0200		StateCertN	lo: 10155
Project: Ge W Order: 06	Brien & Gere Engine meva Foundry 01049 DIL	eers, Inc.		Lab ID: Client Sampl Collection Da Date Receive		<b>D</b> 9:50
ust. ID: MS	805 26	Sample Size	: 30 g	PrepDate:	01/13/06 8	3:14 A
ColumnID: ZB	3-5	%Moisture:		BatchNo:	2374/R43	80
Revision: 01	/31/06 10:20:40 A	TestCode:	8270S TAGML	FileID:	1-SAMP-1	N3927.D
Inalyte	· · ·	Result Qu	al PQL	MDL	Units DF	Date Analyze
EMIVOLATILE	ORGANIC COMPO	UNDS BY GC	'MS SW	8270C	(SW355	0B)
enzo[k]fluoranthe	ene	1100	460	3.0	µg/Kg-dry 1	01/27/06 19:01
lenzoic acid	· · · ·	ND	2300	150	µg/Kg-dry 1	01/27/06 19:01
enzyl alcohol		ND	460	5.1	µg/Kg-dry 1	01/27/06 19:01
is(2-Chloroethoxy	/)methane	ND	460	1.8	µg/Kg-dry 1	01/27/06 19:01
is(2-chloroethyl)e		ND	460	2.6	µg/Kg-dry 1	01/27/06 19:01
is(2-chloroisoprop	•	ND	460	2.6	µg/Kg-dry 1	01/27/06 19:01
is(2-Ethylhexyl)pl	nthalate	100 J	460	15	µg/Kg-dry 1	01/27/06 19:01
utyl benzyl phtha	late	ND	460	3.0	µg/Kg-dry 1	01/27/06 19:01
hrysene		3000	460	2.2	µg/Kg-dry 1	01/27/06 19:01
i-n-butyl phthalat	e	56 J	460	3.8	µg/Kg-dry 1	01/27/06 19:01
i-n-octyl phthalat		ND	460	2.2	µg/Kg-dry 1	01/27/06 19:01
ibenz[a,h]anthrac		280 J	460	1.9	µg/Kg-dry 1	01/27/06 19:01
ibenzofuran		ND	460	2.0	µg/Kg-dry 1	01/27/06 19:01
iethyl phthalate		ND	460	3.3	µg/Kg-dry 1	01/27/06 19:01
imethyl phthalate	1	ND	460	2.4	µg/Kg-dry 1	01/27/06 19:01
luoranthene	· ·	5700	460	2.1	µg/Kg-dry 1	01/27/06 19:01
luorene		160 J	460	2.3	µg/Kg-dry 1	01/27/06 19:01
exachlorobenzen	e	ND	460	3.7	µg/Kg-dry 1	01/27/06 19:01
exachlorobutadie	ne	ND	460	4.9	µg/Kg-dry 1	01/27/06 19:01
exachlorocyclope	entadiene	ND	460	18	µg/Kg-dry 1	01/27/06 19:01
exachloroethane		ND	460	5.0	µg/Kg-dry 1	01/27/06 19:01
deno[1,2,3-cd]py	rene	780	460	1.9	µg/Kg-dry 1	01/27/06 19:01
ophorone		ND	460	2.2	µg/Kg-dry 1	01/27/06 19:01
-Nitroso-di-n-prop	oylamine	ND	460	4.0	µg/Kg-dry 1	01/27/06 19:01
-Nitrosodiphenyla	amine	ND	460	2.2	µg/Kg-dry 1	01/27/06 19:01
aphthalene		ND	460	1.4	µg/Kg-dry 1	01/27/06 19:01
itrobenzene		ND	460	2.8	µg/Kg-dry 1	01/27/06 19:01
entachlorophenol	ł	ND	2300	38	µg/Kg-dry 1	01/27/06 19:01
henanthrene		3300	460	1.7	µg/Kg-dry 1	01/27/06 19:01
henol		ND	480	1.9	µg/Kg-dry 1	01/27/06 19:01
yrene		6000	460	2.2	µg/Kg-dry 1	01/27/06 19:01
Surr: 2,4,6-Tribr	omophenol	119	20-143	0	%REC 1	01/27/06 19:01
Surr. 2-Fluorobij	phenyl	82.6	46-130	0	%REC 1	01/27/06 19:01
Surr: 2-Fluoroph	enol	60.4	22-130	0	%REC 1	01/27/06 19:01
Surr: Nitrobenze	ene-d5	67.8	39-130	0	%REC 1	01/27/06 19:01
Qualifiers: B	Analyte detected in th	e associated Metho	d Blank		eds the instrument ca	-
H	5 11	-		=	ected below the PQL	
NI	Not Detected at the Pr	actical Quantitatio	n Limit (PQL)	P Prim./Conf.	column %D or RPD	exceeds limit
S	Spike Recovery outsid	e accepted recover	y limits		.*	

### **Analytical Results**

E AE	ast Syracuse, NY 130	57 (315		StateCertNo: 10155				
CLIENT:	O'Brien & Gere Engin	eers, Inc.		Lab ID:		0601049-(	)09B	
Project:	Geneva Foundry			Client Sam	ple ID:	BH-24-D	)	
W Order:	0601049			Collection ]	Date:	01/11/06 9:	:50	
Matrix:	SOIL	•		Date Receiv	ved:	01/12/06 7:	50	
Inst. ID:	MS05 26	Sample Size	a: 30 g	PrepDate:		01/13/06 8:	14 A	
ColumnID:	<b>ZB-5</b>	%Moisture		BatchNo:		2374/R4380	0	
<b>Revision:</b>	01/31/06 10:20:40 A	TestCode:	82705 TAG	ML FileID:		1-SAMP-N	3927.D	
Analyte		Result Q	ual PQL	MDL	Units	DF	Date Analyzed	
SEMIVOLAT		UNDS BY GC	/MS	SW8270C		(SW3550	B)	
Surr: Pheno	ol-d5	56.4	33-130	0	%REC	1	01/27/06 19:01	

Surr: Terphenyl-d14 %REC 01/27/06 19:01 90.0 36-146 0 1

Qualifiers:

Print Date: 01/31/06 11:37

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range . E

J Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit Р

Project Supervisor: Thomas A. Alexander

E	ast Syracuse,NY 130	57 (315)	) 437-0200			Stat	eCertNo:	10155
ColumnID:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL MS05 26 ZB-5 01/31/06 10:20:40 A	eers, Inc. Sample Size %Moisture: TestCode:		GML	Colle	t Sample ID: B ction Date: 01 Received: 01 Date: 01 hNo: 23	01049-01 H-25-S /11/06 12:1 /12/06 7:50 /13/06 8:14 74/R4380 SAMP-N39	10 )   A
Analyte		Result Qu	al PQL		MDL	Units	DF	Date Analyzed
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC	MS	SW8	270C		SW3550B)	
1,2,4-Trichloro		ND	410	-	3.2	µg/Kg-dry		01/28/06 0:38
1,2-Dichlorobe		ND	410		2.9	µg/Kg-dry		01/28/06 0:38
,3-Dichlorobe		ND	410		2.0	µg/Kg-dry		01/28/06 0:38
,4-Dichlorobe		ND	410		2,3	µg/Kg-dry		01/28/06 0:38
,4,5-Trichloro		ND	2100		41	µg/Kg-dry		01/28/06 0:38
4,6-Trichloro	=	ND	410	:	3.8	µg/Kg-dry		01/28/06 0:38
,4-Dichloroph		NĎ	410	:	3.8	µg/Kg-dry		01/28/06 0:38
4-Dimethylph		ND	410	:	3.5	µg/Kg-dry		01/28/06 0:38
,4-Dinitropher	nol	ND	2100		75	µg/Kg-dry	1	01/28/06 0:38
4-Dinitrotolue	ene	NĎ	410	:	3.4	µg/Kg-dry	1	01/28/06 0:38
,6-Dinitrotolue	ene	ND	410	:	3.9	µg/Kg-dry	1	01/28/06 0:38
-Chioronaphtl		ND	410		2.0	µg/Kg-dry		01/28/06 0:38
-Chloropheno		ND	410		2.7	µg/Kg-dry		01/28/06 0:38
-Methylnaphti		450	410		2.0	µg/Kg-dry		01/28/06 0:38
-Methylpheno		ND	410		2.5	µg/Kg-dry		01/28/06 0:38
-Nitroaniline		ND	2100		4.3	µg/Kg-dry		01/28/06 0:38
-Nitrophenol	· ·	ND	410		4.7	µg/Kg-dry		01/28/06 0:38
3'-Dichlorobe	enzidine	ND	820		10	µg/Kg-dry		01/28/06 0:38
Nitroaniline		ND	2100		14	µg/Kg-dry	1	01/28/06 0:38
,6-Dinitro-2-m	ethylphenol	ND	2100		33	µg/Kg-dry		01/28/06 0:38
	i phenyl ether	ND	410		2.9	µg/Kg-dry		01/28/05 0:38
-Chloro-3-me	• •	ND	410		3.3	µg/Kg-dry	1	01/28/06 0:38
-Chloroaniline		ND	410		5.0	μ <b>g</b> /Kg-dry		01/28/06 0:38
-Chloropheny	phenyl ether	ND	410		3.1	µg/Kg-dry		01/28/06 0:38
-Methylpheno		63 J	410		2.3	µg/Kg-dry		01/28/06 0:38
Nitroaniline		ND	2100		6.8	µg/Kg-dry		01/28/06 0:38
-Nitrophenol		ND	2100		16	µg/Kg-dry		01/28/06 0:38
cenaphthene		91 J	410		1.4	µg/Kg-dry	1	01/28/06 0:38
cenaphthylen		1000	410		1.8	µg/Kg-dry		01/28/06 0:38
niline		ND	410		5.1	µg/Kg-dry		01/28/06 0:38
Inthracene		930	410		1.7	µg/Kg-dry	1	01/28/05 0:38
enzo[a]anthra	acene	4900	410		1.7	µg/Kg-dry		01/28/06 0:38
ienzo[a]pyren		5400	410		2.0	µg/Kg-dry		01/28/06 0:38
Senzo[b]fluora		8000 E	410		3.0	µg/Kg-dry	1	01/28/06 0:38
Benzo[g,h,l]pe		2700	410		2.1	µg/Kg-dry		01/28/06 0:38
Qualifiers:	B Analyte detected in th	e associated Metho	od Blank		EV	alue exceeds the inst	ument calibra	ation range
	H Holding times for pre-	paration or analysis exceeded			J.A	analyte detected below	the PQL	
	ND Not Detected at the Pr				ΡP	rim./Conf. column %	D or RPD exc	eeds limit
	S Spike Recovery outsid	le accented recover	- limita					

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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LIENT: O'Brien & Gere Engineers, Inc. roject: Geneva Foundry V Order: 0601049 fatrix: SOIL			Col	Lab ID:       0601049-010B         Client Sample ID:       BH-25-S         Collection Date:       01/11/06 12:10         Date Received:       01/12/06 7:50			
ast. ID: MS05 26 ColumnID: ZB-5 Levision: 01/31/06 10:20	Sample Size: %Moisture: :40 A <b>TestCode:</b>		Bat	pDate:         01/13/06 8:1           chNo:         2374/R4380           ID:         1-SAMP-N3	)		
nalyte	Result Qu	al PQL	MD	L Units DF	Date Analyzed		
EMIVOLATILE ORGANIC	COMPOUNDS BY GC/	MS S	W8270	C (SW3550)	B)		
enzo[k]fluoranthene	2900	410	2.6	μg/Kg-dry 1	01/28/06 0:38		
enzoic acid	NĎ	2100	130	μg/Kg-dry 1	01/28/06 0:38		
enzyl alcohol	ND	410	4.5	µg/Kg-dry 1	01/28/06 0:38		
s(2-Chlorcethoxy)methane	ND	410	1.6	µg/Kg-dry 1	01/28/06 0:38		
s(2-chloroethyl)ether	ND	410	2.3	μg/Kg-dry 1	01/28/05 0:38		
s(2-chloroisopropyl)ether	ND	410	2.3	µg/Kg-dry 1	01/28/06 0:38		
s(2-Ethylhexyl)phthalate	250 J	410	<sup>13</sup>	µg/Kg-dry 1	01/28/06 0:38		
utyl benzyl phthalate	ND	410	2.7	µg/Kg-dry 1	01/28/06 0:38		
hrysene	5100	410	1.9	µg/Kg-dry 1	01/28/06 0:38		
i-n-butyl phthalate	51 J	410	3.4	µg/Kg-dry 1	01/28/06 0:38		
i-n-octyl phthalate	ND	410	1.9	μg/Kg-dry 1	01/28/06 0:38		
ibenz[a,h]anthracene	970	410	1.6	μg/Kg-dry 1	01/28/06 0:38		
ibenzofuran	· 310 J	410	1.8	µg/Kg-dry 1	01/28/06 0:38		
iethyl phthalate	ND	410	2.9	µg/Kg-dry 1	01/28/06 0:38		
imethyl phthalate	ND	410	2.1	μg/Kg-dry 1	01/28/06 0:38		
luoranthene	6100	· 410	1.9	µg/Kg-dry 1	01/28/06 0:38		
luorene	190 J	410	2.0	µg/Kg-dry 1	01/28/06 0:38		
exachlorobenzene	ND	410	3.3	µg/Kg-dry 1	01/28/06 0:38		
exachlorobutadiene	ND	410	4.4	µg/Kg-dry 1	01/28/06 0:38		
exachlorocyclopentadiene	ND	410	16	µg/Kg-dry 1	01/28/06 0:38		
exachloroethane	ND	410	4.4	µg/Kg-dry 1	01/28/06 0:38		
deno[1,2,3-cd]pyrene	1700	410	1.6	µg/Kg-dry 1	01/28/06 0:38		
ophorone	• ND	410	2.0	µg/Kg-dry 1	01/28/06 0:38		
-Nitroso-di-n-propylamine	ND	410	3.5	μg/Kg-dry 1	01/28/06 0:38		
-Nitrosodiphenylamine	ND	410	1.9	µg/Kg-dry 1	01/28/06 0:38		
aphthalene	600	410	1.2	µg/Kg-dry 1	01/28/06 0:38		
itrobenzene	ND	410	2.4	μg/Kg-dry 1	01/28/06 0:38		
entachlorophenol	ND	2100	34	μg/Kg-dry 1	01/28/06 0:38		
henanthrene	3000	410	1.5	μg/Kg-dry 1	01/28/06 0:38		
henol		410	1.7	μg/Kg-dry 1	01/28/06 0;38		
yrene	8100 E	410	2.0	µg/Kg-dry 1	01/28/08 0:38		
Surr. 2,4,6-Tribromophenol	87.5	20-143	0	%REC 1	01/28/06 0:38		
Surr: 2-Fluorobiphenyl	79.7	46-130	0	%REC 1	01/28/06 0:38		
Surr: 2-Fluorophenoi	54.5	22-130	0	%REC 1	01/28/06 0:38		
Surr: Nitrobenzene-d5	64.3	39-130	0	%REC 1	01/28/06 0:38		
H Holding tim	ected in the associated Metho es for preparation or analysis d at the Practical Quantitatio	s exceeded	E J	Value exceeds the instrument calil Analyte detected below the PQL Prim./Conf. column %D or RPD e			

### **Analytical Results**

E	ast Syracuse, NY 130	57 (315)	) 437-0200		St	ateCertNo: 1	0155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Sample Collection Dat Date Received	ID: e:	0601049-010 BH-25-S 01/11/06 12:10 01/12/06 7:50	0
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:20:40 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:	2	01/13/06 8:14 2374/R4380 I-SAMP-N393	
Analyte		Result Qu	al PQL	MDL U	Inits	DF	Date Analyzed
	ILE ORGANIC COMPO			/8270C		(SW3550B)	04/09/05 0-29

Surr: Phenol-d5	51.6	33-130	0	%REC	1	01/28/06 0:38
Surr: Terphenyl-d14	114	36-146	0	%REC	1	01/28/06 0:38

Qualifiers:

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- Ε Value exceeds the instrument calibration range

Analyte detected below the PQL J

- Prim./Conf. column %D or RPD exceeds limit р
- S Spike Recovery outside accepted recovery limits

Project: W Order: Matrix:	<b>Order:</b> 0601049			Clie Coll Date	Lab ID:         0601049-010B           Client Sample ID: <i>BH-25-S</i> Collection Date:         01/11/06 12:10           Date Received:         01/12/06 7:50			
nst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:37:14 A	Sample Size: %Moisture: TestCode:	-	Bate	pDate:         01/13/06 8           chNo:         2374/R438           ID:         1-DL-N394	1		
Analyte		Result Qu	al PQL	MD	L Units DF	Date Analyzed		
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC/	MS SI	N82700	c (SW3550	)B)		
,2,4-Trichloro	benzene	ND	1600	13	µg/Kg-dry 4	01/30/06 19:54		
,2-Dichlorobe	nzene	· ND	1600	12	µg/Kg-dry 4	01/30/06 19:54		
,3-Dichlorobe	nzena	ND	1600	7.8	μg/Kg-dry 4	01/30/06 19:54		
,4-Dichlorobe	nzene	ND	1600	9.3	μg/Kg-dry 4	01/30/06 19:54		
2,4,5-Trichlorophenol		ND	8300	160	μg/Kg-dry 4	01/30/06 19:54		
2,4,6-Trichlorophenol		ND	1600	15	µg/Kg-dry 4	01/30/06 19:54		
2,4-Dichlorophenol		ND	1600	15	µg/Kg-dry 4	01/30/06 19:54		
2,4-Dimethylphenol		ND	1600	14	µg/Kg-dry 4	01/30/06 19:54		
.4-Dinitropher	nol	ND	8300	300	μg/Kg-dry 4	01/30/06 19:54		
4-Dinitrotolu	ene	ND	1600	14	µg/Kg-dry 4	01/30/06 19:54		
,6-Dinitrotolue	ene	ND	1600	16	μg/Kg-dry 4	01/30/06 19:54		
-Chloronapht	halene	ND	1600	7.8	μg/Kg-dry 4	01/30/06 19:54		
-Chloropheno		ND	1600	11	µg/Kg-dry 4	01/30/06 19:54		
-Methyinapht	halene	390 J	1600	7.9	μg/Kg-dry 4	01/30/06 19:54		
-Methylpheno		ND	1600	10	μg/Kg-dry 4	01/30/06 19:54		
-Nitroaniline		ND	8300	17	μg/Kg-dry 4	01/30/06 19:54		
-Nitrophenol	· · · ·	ND	1600	19	µg/Kg-dry 4	01/30/06 19:54		
3 -Dichlorob	enzidine	ND	3300	40	μg/Kg-dry 4	01/30/06 19:54		
Nitroaniline		ND	8300	56	μg/Kg-dry 4	01/30/06 19:54		
6-Dinitro-2-m	nethylphenol	ND	8300	130	µg/Kg-dry 4	01/30/06 19:54		
Bromopheny	/i phenyl ether	ND	1600	11	µg/Kg-dry 4	01/30/06 19:54		
-Chloro-3-me		ND	1600	13	µg/Kg-dry 4	01/30/06 19:54		
-Chloroaniline		ND	1600	20	µg/Kg-dry 4	01/30/06 19:54		
-Chloropheny	/i phenyl ether	ND	1600	13	µg/Kg-dry 4	01/30/06 19:54		
-Methylpheno		ND	1600	9.4	μg/Kg-dry 4	01/30/06 19:54		
-Nitroaniline		ND	8300	27	μg/Kg-dry 4	01/30/06 19:54		
-Nitrophenol		ND	8300	65	µg/Kg-dry 4	01/30/06 19:54		
Acenaphthene		ND	1600	5.8	µg/Kg-dry 4	01/30/06 19:54		
cenaphthyler	•	870 J	1600	7.3	μg/Kg-dry 4	01/30/06 19:54		
niline		ND	1600	20	μg/Kg-dry 4	01/30/06 19:54		
Anthracene		740 J	1600	6.7	μg/Kg-dry 4	01/30/06 19:54		
Benzo[a]anthr	acene	4600	1600	7.0	μg/Kg-dry 4	01/30/06 19:54		
Benzo[a]pyren		5100	1600	8.2	μg/Kg-dry 4	01/30/06 19:54		
Benzo[b]fluora		8000	1600	12	µg/Kg-dry 4	01/30/06 19:54		
Benzo[g,h,l]pe		1900	1600	8.3	μg/Kg-dry 4	01/30/06 19:54		
Qualifiers:	B Analyte detected in th	ne associated Method Blank			Value exceeds the instrument calibration range			
×	H Holding times for pre	paration or analysis	exceeded	J	Analyte detected below the PQL			
		actical Quantitation		Р	Prim./Conf. column %D or RPD			

**Analytical Results** 

East Syracuse, NY 13057 (315) 437-0200					StateCertNo: 10155				
Project: Gen	rien & Gere Engine eva Foundry 1049 I	eers, Inc.	•	Lab ID:         0601049-010B           Client Sample ID:         BH-25-S           Collection Date:         01/11/06 12:10           Date Received:         01/12/06 7:50					
	05 26	Sample Size: %Moisture:		Pre	pDate: 01/12/06 8 chNo: 2374/R438	8:14 A			
	1/06 10:37:14 A		8270S TAGML						
Analyte		Result Qu	I PQL	MD	L Units DF	Date Analyzed			
	ORGANIC COMPO	UNDS BY GC/I	NS SW	82700	C (SW355	i0B)			
Benzo[k]fluoranthen	e	2100	1600	11	µg/Kg-dry 4	01/30/06 19:54			
Benzoic acid		ND	8300	520	µg/Kg-dry 4	01/30/06 19:54			
Benzyl alcohol		ND	1600	18	µg/Kg-dry 4	01/30/06 19:54			
ois(2-Chloroethoxy)	methane	ND	1600	6.3	µg/Kg-dry 4	01/30/06 19:54			
ois(2-chloroethyl)eth	ier	ND	1600	9.3	µg/Kg-dry 4	01/30/06 19:54			
ois(2-chloroisopropy	rl)ether	ND	1600	9.3	µg/Kg-dry 4	01/30/06 19:54			
ois(2-Ethylhexyl)pht	is(2-Ethylhexyl)phthalate		1600	54	µg/Kg-dry 4	01/30/06 19:54			
Butyl benzyl phthala	te	ND	1600	11	µg/Kg-dry 4	01/30/06 19:54			
Chrysene		4600	1600	7.8	µg/Kg-dry 4	01/30/06 19:54			
Di-n-butyl phthalate		ND	1600	14	µg/Kg-dry 4	01/30/06 19:54			
Di-n-octyl phthalate		ND	1600	7.8	µg/Kg-dry 4	01/30/06 19:54			
Dibenz[a,h]anthrace	ne	660 J	1600	6.6	µg/Kg-dry 4	01/30/06 19:54			
Dibenzofuran		290 J	1600	7.2	μg/Kg-dry 4	01/30/06 19:54			
Diethyl phthalate		ND	1600	12	μg/Kg-dry 4	01/30/06 19:54			
Dimethyl phthalate		ND	1600	8.4	μg/Kg-dry 4	01/30/06 19:54			
luoranthene		6700	1600	7.6	µg/Kg-dry 4	01/30/06 19:54			
Fluorene		170 J	1600	8.2	μg/Kg-dry 4	01/30/06 19:54			
lexachlorobenzene		ND	1600	13	µg/Kg-dry 4	01/30/06 19:54			
lexachlorobutadien	e	ND	1600	17	µg/Kg-dry 4	01/30/06 19:54			
lexachlorocyclopen		ND	1600	63	µg/Kg-dry 4	01/30/06 19:54			
lexachloroethane		ND	1600	18	μg/Kg-dry 4	01/30/06 19:54			
ndeno[1,2,3-cd]pyre	ne	1500 J	1600	6.6	µg/Kg-dry 4	01/30/06 19:54			
sophorone		ND	1600	7.9	µg/Kg-dry 4	01/30/06 19:54			
N-Nitroso-di-n-propy	lamine	ND	1600	14	µg/Kg-dry 4	01/30/06 19:54			
-Nitrosodiphenylar		ND	1600	7.8	µg/Kg-dry 4	01/30/06 19:54			
laphthalene		530 J	1600	4.9	µg/Kg-dry 4	01/30/06 19:54			
Nitrobenzene		ND	1600	9.8	µg/Kg-dry 4	01/30/06 19:54			
Pentachlorophenol		ND	8300	140	μg/Kg-dry 4	01/30/06 19:54			
henanthrene		2700	1600	5.9	µg/Kg-dry 4	01/30/06 19:54			
henol		ND	1600	6.7	µg/Kg-dry 4	01/30/06 19:54			
yrene		5700	1600	0.7 7.9	µg/Kg-dry 4	01/30/06 19:54			
Surr: 2,4,6-Tribro	monhenol	76.3	20-143	7. <del>9</del> 0	%REC 4	01/30/06 19:54			
Surr: 2-Fluorobip	-	70.3	46-130	0	%REC 4	01/30/06 19:54			
Surr: 2-Fluorophenol		55.6	22-130	0	%REC 4	01/30/06 19:54			
Surr: Nitrobenzen		<u>65.8</u>	22-130 39-130	0	%REC 4	01/30/06 19:54			
Qualifiers: B	Analyte detected in the	e associated Method	l Blank	E	Value exceeds the instrument ca	libration range			
Quanners. H	Holding times for prep								
ND	Not Detected at the Pr								
			LINULOPULI	Р	Prim./Conf. column %D or RPD	CACCEUS III III			

### **Analytical Results**

E	ast Syracuse, NY 130	57 (315)	437-0200	StateCertNo: 10155					
CLIENT:	O'Brien & Gere Engine	eers, Inc.		Lab ID:		0601049-0	)10B		
Project:	Geneva Foundry			Client Sam	ple ID:	BH-25-S			
W Order:	0601049					Collection Date: 01/11/06 12:10			
Matrix:	SOIL			Date Receiv	ed:	01/12/06 7:	50		
Inst. ID:	MS05 26	Sample Size:	:30 g	PrepDate:		.01/13/06 8:	14 A		
ColumnID:	ZB-5	%Moisture:	19.1	BatchNo:		2374/R4381	ŀ		
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAGML	FileID:		1-DL-N394	9.D		
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed		
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC/	MS SW	8270C		(SW3550)	B)		
Surr: Pheno	ol-d5	53.3	33-130	0	%REC	4	01/30/06 19:54		
Surr: Terph	envl-d14	70.6	36-146	0	%REC	2 4	01/30/06 19:54		

Qualifiers:

Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range Ε

Analyte detected below the PQL ۰**リ**.

P Prim./Conf. column %D or RPD exceeds limit

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Life Science I 5000 Brittonfield Parkw		ories, Inc	•	<b>Analytical Result</b>				
East Syracuse, NY 130	-	437-0200		Stat	eCertNo	: 10155		
CLIENT: O'Brien & Gere Engine Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	eers, Inc.		Lab ID:       0601049-011B         Client Sample ID:       BH-25-D         Collection Date:       01/11/06 12:20         Date Received:       01/12/06 7:50					
Inst. ID: MS05 26 ColumnID: ZB-5	Sample Size %Moisture:	19.8	PrepDate: BatchNo:	237	13/06 8: /4/R438( AMP-N	) -		
<b>Revision:</b> 01/31/06 10:20:40 A	TestCode:	8270S TAGML						
Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyzed		
SEMIVOLATILE ORGANIC COMPO	UNDS BY GC/	'MS SW	8270C	6	SW3550	B)		
1,2,4-Trichlorobenzene	ND -	410	3.3	µg/Kg-dry	1	01/27/06 19:38		
1,2-Dichlorobenzene	ND	410	2.9	µg/Kg-dry	1	01/27/06 19:38		
,3-Dichlorobenzene	ND	410	2.0	µg/Kg-dry	1	01/27/06 19:38		
,4-Dichlorobenzene	ND	410	2.4	µg/Kg-dry	1	01/27/06 19:38		
2,4,5-Trichlorophenol	ND	2100	41	µg/Kg-dry	1	01/27/06 19:38		
4,6-Trichlorophenol	ND	410	3.8	µg/Kg-dry	1	01/27/06 19:38		
,4-Dichiorophenol	ND	410	3.8	µg/Kg-dry	1	01/27/06 19:38		
,4-Dimethylphenol	ND	410	3.5	µg/Kg-dry	1	01/27/06 19:38		
,4-Dinitrophenol	ND	2100	75	µg/Kg-dry	1	01/27/06 19:38		
,4-Dinitrotoluene	ND	410	3.4	µg/Kg-dry	1	01/27/06 19:38		
,6-Dinitrotoluene	ND	410	4.0	µg/Kg-dry	1	01/27/06 19:38		
-Chloronaphthalene	ND	410	2.0	µg/Kg-dry	1	01/27/06 19:38		
-Chlorophenol	ND	410	2.7	µg/Kg-dry	1	01/27/06 19:38		
-Methylnaphthalene	99 J	410	2.0	µg/Kg-dry	1	01/27/06 19:38		
-Methylphenol	ND	410	2.5	µg/Kg-dry	1	01/27/06 19:38		
-Nitroaniline	ND	2100	4.4	µg/Kg-dry	1	01/27/06 19:38		
-Nitrophenol	ND	410	4.7	µg/Kg-dry	1	01/27/06 19:38		
,3'-Dichlorobenzidine	ND	820	10	µg/Kg-dry	1	01/27/06 19:38		
-Nitroaniline	ND	2100	14	µg/Kg-dry	1	01/27/06 19:38		
,6-Dinitro-2-methylphenol	ND	2100	34	µg/Kg-dry	1	01/27/06 19:38		
-Bromophenyl phenyl ether	ND	410	2.9	µg/Kg-dry	1	01/27/06 19:38		
-Chlora-3-methylphenal	ND	410	3.3	µg/Kg-dry	1	01/27/06 19:38		
-Chloroaniline	ND	410	5.1	µg/Kg-dry		01/27/06 19:38		
-Chlorophenyl phenyl ether	ND	410	3.2	µg/Kg-dry	1	01/27/06 19:38		
-Methylphenol	65 J	410	2.4	µg/Kg-dry		01/27/06 19:38		
-Nitroaniline	ND	2100	6.9	µg/Kg-dry		01/27/06 19:38		
-Nitrophenol	ND .	2100	16	µg/Kg-dry		01/27/06 19:38		
cenaphthene	ND	410	. 1.5	µg/Kg-dry	1	01/27/06 19:38		
cenaphthylene	100 J	410	1.8	µg/Kg-dry	1	01/27/06 19:38		
niline	ND	410	5.1	µg/Kg-dry		01/27/06 19:38		
nthracene	270 J	410	1.7	µg/Kg-dry		01/27/06 19:38		
enzo[a]anthracene	650	410	1.8	µg/Kg-dry		01/27/06 19:38		
enzo[a]pyrene	590	410	2.1	µg/Kg-dry		01/27/06 19:38		
Benzo[b]fluoranthene	810	410	3.0	µg/Kg-dry		01/27/06 19:38		
Benzo[g,h,l]perylene	270 J	410	2.1	µg/Kg-dry		01/27/06 19:38		

Analyte detected in the associated Method Blank в Qualifiers:

H Holding times for preparation or analysis exceeded

Value exceeds the instrument calibration range E

J

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Analyte detected below the PQL

CLIENT:	O'Brien & Gere Engine	eers, Inc.	. ·	Lab ID: 0601049-011B					
Project:	Geneva Foundry			Clie	ent Sample ID: BH-25-D				
W Order:	0601049			Coli	Collection Date:         01/11/06 12:20           Date Received:         01/12/06 7:50           PrepDate:         01/13/06 8:14 A				
Matrix:	SOIL	· · · · · · · · · · · · · · · · · · ·		Date					
Inst. ID:	MS05 26	Sample Size:	:30 g	Pre					
ColumnID:		%Moisture: 19.8			BatchNo: 2374/R4380				
Revision:	01/31/06 10:20:40 A	TestCode:	8270S TAGML	File	ID: 1-SAMP-N3	928.D			
Analyte		Result Qu	al PQL	MD	L Units DF	Date Analyze			
SEMIVOLA	TILE ORGANIC COMPO	OUNDS BY GC/	MS SW	82700	C (SW3550E	3)			
Benzo[k]fluora	Inthene	300 J	410	2.7	µg/Kg-dry 1	01/27/06 19:38			
Benzoic acid		ND	2100	130	µg/Kg-dry 1	01/27/06 19:38			
Benzyl alcoho	I	ND	410	4.6	µg/Kg-dry 1	01/27/06 19:38			
ois(2-Chloroet	hoxy)methane	ND	410	1.6	µg/Kg-dry 1	01/27/06 19:38			
bis(2-chloroetl	hyl)ether	ND	410	2.4	µg/Kg-dry 1	01/27/06 19:38			
bis(2-chloroisc	ppropyl)ether	ND	410	2.4	μg/Kg-dry 1	01/27/06 19:38			
ois(2-Ethylhex	yl)phthalate	ND	410	14	µg/Kg-dry 1	01/27/06 19:38			
3utyl benzyl p	hthalate	ND	410	2.7	µg/Kg-dry ∶ 1	01/27/06 19:38			
Chrysene		630	410	2.0	μg/Kg-dry 1	01/27/06 19:38			
Di-n-butyl phth	nalate	ND	410	3.4	µg/Kg-dry 1	01/27/06 19:38			
Di-n-octyl phth	nalate	ND	410	2.0	µg/Kg-dry 1	01/27/06 19:38			
Dibenz[a,h]ani	thracene	77 J	410	1.7	µg/Kg-dry 1	01/27/06 19:38			
Dibenzofuran		81 J	410	1.8	µg/Kg-dry 1	01/27/06 19:38			
Diethyl phthala	ate	ND	410	3.0	µg/Kg-dry 1	01/27/06 19:38			
Dimethyl phtha	alate	ND	410	2.1	µg/Kg-dry 1	01/27/06 19:38			
luoranthene		1500	410	1.9	µg/Kg-dry 1	01/27/06 19:38			
Fluorene		69 J	410	2.1	µg/Kg-dry 1	01/27/06 19:38			
lexachlorobe	nzene	ND	410	3.3	µg/Kg-dry 1	01/27/06 19:38			
lexachlorobul	tadiene	ND	410	4.4	µg/Kg-dry 1	01/27/06 19:38			
lexachlorocyc	clopentadiene	ND	410	16	µg/Kg-dry 1	01/27/06 19:38			
-lexachioroeth	lane	ND ·	410	4.5	µg/Kg-dry 1	01/27/06 19:38			
ndeno[1,2,3-c	:d]pyrene	200 J	410	1.7	µg/Kg-dry 1	01/27/06 19:38			
sophorone		ND	410	2.0	µg/Kg-dry 1	01/27/06 19:38			
N-Nitroso-di-n-	-propylamine	ND	410	3.5	µg/Kg-dry 1	01/27/06 19:38			
N-Nitrosodiphe	enylamine	ND	410	2.0	µg/Kg-dry 1	01/27/06 19:38			
Naphthalene		160 J	410	1.2	µg/Kg-dry 1	01/27/06 19:38			
Vitrobenzene		ND	410	2.5	µg/Kg-dry 1	01/27/06 19:38			
Pentachloroph	ienol	ND .	2100	34	µg/Kg-dry 1	01/27/06 19:38			
Phenanthrene		1000	410	1.5	µg/Kg-dry 1	01/27/06 19:38			
Phenoi		· ND	410	1.7	µg/Kg-dry 1	01/27/06 19:38			
yrene		1200	410	2.0	μg/Kg-dry 1	01/27/06 19:38			
	Tribromophenol	130	20-143	0	%REC 1	01/27/06 19:38			
Surr: 2-Fluo		95.4	46-130	0	%REC 1	01/27/06 19:38			
Surr: 2-Fluo	• .	69.5	22-130	0	%REC 1	01/27/06 19:38			
Surr: Nitrob	enzene-d5	76.5	39-130	0	%REC 1	01/27/06 19:38			
Qualifiers:	B Analyte detected in th			E	Value exceeds the instrument calibri	ration range			
	H Holding times for pre			J	Analyte detected below the PQL				
	ND Not Detected at the Pr S Spike Recovery outside			P	Prim./Conf. column %D or RPD exceeds limit				

LSL	Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200				. Analytical Result StateCertNo: 10155			
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Sample Collection Da Date Received	e ID: ite:	0601049-01 BH-25-D 01/11/06 12:: 01/12/06 7:5(	20	
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:20:40 A	Sample Size %Moisture: TestCode:	•	PrepDate: BatchNo: FileID:		01/13/06 8:14 2374/R4380 1-SAMP-N39	· ·	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed	
SEMIVOLAT Surr: Pheno	TILE ORGANIC COMPO	OUNDS BY GC/ 65.3	/MS SW 33-130	8270C	%REC	(SW3550B)	) 01/27/06 19:38	
Surr: Terph	enyi-d14	99.8	36-146	0	%REC	; 1	01/27/06 19:38	

Qualifiers:

Analyte detected in the associated Method Blank В

H Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL)

Value exceeds the instrument calibration range É

Analyte detected below the PQL J

Prim./Conf. column %D or RPD exceeds limit P

**Analytical Results** 

Project: W Order:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.	· ·	Lab ID:         0601049-012B           Client Sample ID:         BH-26-S           Collection Date:         01/11/06 12:35           Date Received:         01/12/06 7:50			
inst. ID: 1 ColumnID: 2	MS05 26 ZB-5	Sample Size %Moisture:	_	PrepDat BatchNo	2374/R4380		
Revision: (	01/31/06 10:20:40 A	TestCode:	8270S TAGML	FileID:	1-SAMP-N3	929.D	
Inalyte		Result Qu	al PQL	MDL	Units DF	Date Analyze	
EMIVOLATI	LE ORGANIC COMPO	UNDS BY GC	/MS SW	8270C	(SW3550E	3)	
2,4-Trichlorob	enzene	ND	380	3.0	μg/Kg-dry 1	01/27/06 20:16	
2-Dichloroben	zene	ND	380	2.7	µg/Kg-dry 1	01/27/06 20:16	
3-Dichloroben	zene	ND	380	1.8	µg/Kg-dry 1	01/27/06 20:16	
4-Dichloroben	zene	ND	380	2.2	µg/Kg-dry 1	01/27/06 20:16	
4,5-Trichlorop		ND	1900	38	µg/Kg-dry 1	01/27/06 20:16	
4,6-Trichlorop	henol	ND	380	3.5	µg/Kg-dry 1	01/27/06 20:16	
4-Dichlorophe	nol	ND	380	3.5	µg/Kg-dry 1	01/27/06 20:16	
4-Dimethylphe	enol	ND	380	3.2	µg/Kg-dry 1	01/27/06 20;16	
4-Dinitrophen		ND	1900	69	µg/Kg-dry 1	01/27/06 20:16	
4-Dinitrotolue	1e · · ·	ND	380	3.2	µg/Kg-dry 1	01/27/06 20:16	
6-Dinitrotolue	1e	ND	380	3.7	µg/Kg-dry 1	01/27/06 20:16	
Chloronaphth	alene	ND	380	1.8	µg/Kg-dry 1	01/27/06 20:16	
Chlorophenol		ND	380	2.5	µg/Kg-dry 1	01/27/06 20:16	
Methylnaphth	alene	ND	380	1.8	μg/Kg-dry 1	01/27/06 20:16	
Methylphenol		ND	380	2.3	µg/Kg-dry 1	01/27/06 20:16	
Nitroaniline		ND	1900	4.0	µg/Kg-dry 1	01/27/06 20:16	
Nitrophenol		ND	360	4.4	µg/Kg-dry 1	01/27/06 20:16	
3'-Dichlorober	nzidine	ND	760	9.3	µg/Kg-dry 1	01/27/06 20:16	
Nitroaniline		ND	1900	13	µg/Kg-dry 1	01/27/06 20:16	
6-Dinitro-2-me	ethylphenol	ND	1900	31	µg/Kg-dry 1	01/27/06 20:16	
Bromophenyl	phenyl ether	ND	380	2.7	µg/Kg-dry 1	01/27/06 20:16	
Chloro-3-meth	ylphenol	ND	380	3.0	µg/Kg-dry 1	01/27/06 20:16	
Chloroaniline	a ana ana ana ana ana ana ana ana ana a	ND	380	4.6	µg/Kg-dry 1	01/27/06 20:16	
Chlorophenyi	phenyl ether	ND	380	2.9	µg/Kg-dry 1	01/27/06 20:16	
Methylphenoi		ND	380	2.2	µg/Kg-dry 1	01/27/06 20:16	
Nitroaniline		ND	1900	6.3	µg/Kg-dry 1	01/27/06 20:16	
Nitrophenol	· ·	ND	1900	15	µg/Kg-dry 1	01/27/06 20:16	
cenaphthene		ND	380	1.3	µg/Kg-dry 1	01/27/06 20:16	
cenaphthylene	1	ND	380	1.7	µg/Kg-dry 1	01/27/06 20:16	
niline		ND	380	4.7	µg/Kg-dry 1	01/27/06 20:16	
nthracene		ND	380	1.5	µg/Kg-dry 1	01/27/06 20:16	
enzo[a]anthrac		44 J	380	1.6	µg/Kg-dry 1	01/27/06 20:16	
enzo[a]pyrene		39 J	380	1.9	µg/Kg-dry 1	01/27/06 20:16	
enzo[b]fluoran		62 J	380	2.7	µg/Kg-dry 1	01/27/06 20:16	
enzo[g,h,l]pery	lene	ND	380	1.9	µg/Kg-dry 1	01/27/06 20:16	
)ualifiers:	B Analyte detected in th	e associated Metho	od Blank	E Value	e exceeds the instrument calib	ration range	
	H Holding times for pre				te detected below the PQL		

E	ast Syracuse, NY 130	57 (315)	437-0200		Sta	ateCertNo:	10155
CLIENT: Project: W Order: Matrix: Inst. ID;	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL MS05 26	eers, Inc. Sample Size	• 30 o	Cl Co Da	ient Sample ID: ] ollection Date: 0 ote Received: 0	601049-01 3H-26-S 1/11/06 12:3 1/12/06 7:50 1/13/06 8:14	35
ColumnID:		%Moisture: TestCode:	-	Ba	tchNo: 2	374/R4380 -SAMP-N39	
Analyte	1 <b></b>	Result Qu		MI		DF	Date Analyzed
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC	MS	SW827	 0C	(SW3550B)	)
Benzo[k]fluora		ND	380	2.4		• · ·	01/27/06 20:16
Benzoic acid		ND	1900	' 120		-	01/27/06 20:16
Benzyl alcohol	· .	ND	380	4.2		-	01/27/06 20:16
•	noxy)methane	ND	380	1.5	µg/Kg-d		01/27/06 20:16
is(2-chloroeth	••	ND	380	2.2	µg/Kg-d	-	01/27/06 20:16
is(2-chloroiso		ND	380	2.2	· • -	-	01/27/06 20:16
is(2-Ethylhexy		120 J	380	12	μg/Kg-d		01/27/06 20:16
utyl benzyl pl		ND	380	2.5	µg/Kg-d		01/27/06 20:16
hrysene	•	47 J	380	1.8		-	01/27/06 20:16
i-n-butyl phth	alate	ND	380	3.2		-	01/27/06 20:16
i-n-octyl phth		ND	380	1.8	µg/Kg-d		01/27/06 20:16
ibenz[a,h]ant		ND	380	1.5	µg/Kg-d		01/27/06 20:16
ibenzoturan		ND	380	1.7		-	01/27/06 20:16
iethyl phthala	te	ND	380	2.7			01/27/06 20:16
imethyl phtha		ND	380	1.9			01/27/06 20:16
luoranthene	·······	72 J	380	1.8	μg/Kg-d		01/27/06 20:16
luorene		ND	380	1.0	µg/Kg-d		01/27/06 20:16
lexachloroben	izene	ND	380	3.0	-		01/27/06 20:16
iexachiorobuti		ND ND	380	4.0			01/27/06 20:16
iexachlorocyc		, ND	380	4.0	μg/Kg-d		01/27/06 20:16
exachioroeth;	-	ND ND	380	4.1	µg/Kg-d	-	01/27/06 20:16
ndeno[1,2,3-c		ND 1	380	1.5	μg/Kg-d	-	01/27/06 20:18
sophorone		ND	380	1.8	μg/Kg-d		01/27/06 20:16
I-Nitroso-di-n-	nronvlemine	ND	380	3.2		e Tan an a	01/27/06 20:16
-Nitrosodiphe	• • •	ND	380		pg/Kg-d		01/27/06 20:16
laphthalene	aryannine .	ND	380	. 1.0 1.1			01/27/06 20:16
litrobenzene			380		µg/Kg-d		01/27/06 20:16
	anal	ND	-	2.3	μg/Kg-d μg/Kg-d		01/27/06 20:16
entachloroph henanthrene	GUUI	· ND	1900 380	32	• = =	-	01/27/06 20:16
henol		54 J	380	1.4	µg/Kg-d		01/27/06 20:16
		ND 66 I	380	1.5	µg/Kg-d ua∕Ka d		
yrene Sum 2463	Tribromonhor - I	66 J	380	1.8	µg/Kg-d %PEC	-	01/27/06 20:16 01/27/06 20:16
	Fribromophenol	117	20-143	0	%REC	1	
Surr: 2-Fluor		90.3	46-130	0	%REC	1	01/27/06 20:16 01/27/06 20:16
Surr: 2-Fluor Surr: Nitrobe	•	64.2 72.0	22-130 39-130	0 0	%REC %REC	1 1	01/27/06 20:16
Qualifiers:	B Analyte detected in th	e associated Metho	od Blank		Value exceeds the in	strument calibra	ation range
A same 2	H Holding times for pre-			J	Analyte detected belo		
۰.	ND Not Detected at the Pr S Spike Recovery outsid	actical Quantitatio	n Limit (PQL)	P	Prim./Conf. column		ceeds limit

#### Life Science Laboratories, Inc. **Analytical Results** LSL 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 StateCertNo: 10155 (315) 437-0200 CLIENT: O'Brien & Gere Engineers, Inc. Lab ID: 0601049-012B **Project:** Client Sample ID: BH-26-S Geneva Foundry W Order: 0601049 **Collection Date:** 01/11/06 12:35 Matrix: SOIL Date Received: 01/12/06 7:50 Inst. ID: MS05 26 **PrepDate:** 01/13/06 8:14 A Sample Size: 30 g 2374/R4380 ColumnID: ZB-5 %Moisture: 12.7 **BatchNo:** 01/31/06 10:20:40 A **Revision:** 1-SAMP-N3929.D TestCode: 8270S TAGML FileID: Analyte MDL Units DF **Date Analyzed Result Qual PQL**

SEMIVOLATILE ORGANIC COMPOUN	IDS BY GO	/MS	SW8270C		(SW35	550B)
Sur: Phenol-d5	60.4	33-130	0	%REC	1	01/27/06 20:16
Surr: Terphenyl-d14	101	36-146	0	%REC	1	01/27/06 20:16

#### Qualifiers:

- в Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded
- н ND Not Detected at the Practical Quantitation Limit (PQL)
- Е Value exceeds the instrument calibration range
  - Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- S Spike Recovery outside accepted recovery limits

J

**Analytical Results** 

Inst. ID: MS05 2 ColumnID: ZB-5 Revision: 01/31/06 Analyte BEMIVOLATILE ORG 1,2,4-Trichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dinthrophenol 2,4-Dinthrophenol 2,4-Dinthrophenol 2,4-Dinthrophenol	10:20:40 A	ND ND ND	24.3 8270S TAGML al PQL MS SW 440	MDL		0 3930.D Date Analyze
SEMIVOLATILE ORG ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinttrophenol	ANIC COMPO	UNDS BY GC/ ND ND ND ND	<b>MS SW</b> 440	8270C		
2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dintrophenol	ANIC COMPO	ND ND ND	440		(SW3550	-
2-Dichlorobenzene 3-Dichlorobenzene 4-Dichlorobenzene 2.4.5-Trichlorophenol 2.4.6-Trichlorophenol 2.4-Dichlorophenol 2.4-Dimethylphenol 2.4-Dintrophenol		ND ND			(	/B) · · · ·
,3-Dichlorobenzene ,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dintrophenol		ND		3.5	µg/Kg-dry 1	01/27/06 20:53
2,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinltrophenol			440	3.1	µg/Kg-dry 1	01/27/06 20:53
2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinltrophenol		•	440	2.1	µg/Kg-dry 1	01/27/06 20:53
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dintrophenol		, ND	440	2.5	µg/Kg-dry 1	01/27/06 20:53
2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinltrophenol		ND	2200	43	µg/Kg-dry 1	01/27/06 20:53
2,4-Dimethylphenol 2,4-Dinltrophenol		ND	440	4.1	µg/Kg-dry 1	01/27/06 20:53
4-Dinltrophenol		ND	440	4.0	µg/Kg-dry 1	01/27/06 20:53
-		ND	440	3.7	µg/Kg-dry 1	01/27/06 20:53
4-Dinitrotoluene		ND	2200	80	µg/Kg-dry 1	01/27/06 20:53
		ND	440	3.6	µg/Kg-dry 1	01/27/06 20:53
,6-Dinltrotoluene		ND	440	4.2	µg/Kg-dry 1	01/27/06 20:53
-Chloronaphthalene		ND	440	2.1	µg/Kg-dry 1	01/27/06 20:53
-Chiorophenol		ND	440	2.9	µg/Kg-dry 1	01/27/06 20:53
-Methylnaphthalene		73 J	440	2.1	µg/Kg-dry 1	01/27/06 20:53
-Methylphenol		ND	440	2.7	µg/Kg-dry 1	01/27/06 20:53
-Nitroaniline		ND	2200	4.6	µg/Kg-dry 1	01/27/06 20:53
-Nitrophenoi		ND	440	5.0	µg/Kg-dry 1	01/27/06 20:53
,3'-Dichlorobenzidine		ND	870	11	µg/Kg-dry 1	01/27/06 20:53
Nitroaniline		ND	2200	15	µg/Kg-dry 1	01/27/06 20:53
,6-Dinitro-2-methylphen	ol	ND	2200	36	µg/Kg-dry 1	01/27/06 20:53
Bromophenyl phenyl et	her	ND	440	3.1	µg/Kg-dry 1	01/27/06 20:53
-Chloro-3-methylphenol		ND	440	3.5	µg/Kg-dry 1	01/27/06 20:53
-Chioroaniline	· · · ·	ND	440	5.4	µg/Kg-dry 1	01/27/06 20:53
-Chlorophenyl phenyl et	her	ND	440	3.3	µg/Kg-dry 1	01/27/06 20:53
-Methylphenol		ND	440	2.5	µg/Kg-dry 1	01/27/06 20:53
-Nitroaniline		ND	2200	7.3	µg/Kg-dry 1	01/27/06 20:53
-Nitrophenol		ND	2200	17	µg/Kg-dry 1	01/27/06 20:53
cenaphthene		ND	440	1.5	µg/Kg-dry 1	01/27/06 20:53
cenaphthylene		ND	440	2.0	µg/Kg-dry 1	01/27/06 20:53
niline		ND	440	5.4	µg/Kg-dry 1	01/27/06 20:53
nthracene		ND	440	1.8	µg/Kg-dry 1	01/27/06 20:53
enzo[a]anthracene		100 J	440	1.9	µg/Kg-dry 1	01/27/06 20:53
lenzo[a]pyrene		110 J	440	2.2	µg/Kg-dry 1	01/27/06 20:53
enzo[b]fluoranthene		190 J	440	3.2	µg/Kg-dry 1	01/27/06 20:53
enzo[g,h,l]perylene		70 J	440	2.2	µg/Kg-dry 1	01/27/06 20:53
Qualifiers: B Ana	yte detected in the	associated Metho	d Blank	E Value	exceeds the instrument cali	bration range

Analytical Results

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL			Collection Date Recei		3:40 :50
lnst. ID; ColumnID; Revision:	MS05 26 ZB-5 01/31/06 10:20:40 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: FileID:	2374/R438 1-SAMP-N	0
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC/	ms sv	8270C	(SW3550	)B)
3enzo[k]fluora	nthene	61 J	440	2.8	µg/Kg-dry 1	01/27/06 20:53
Benzoic acid		ND	2200	140	µg/Kg-dry 1	01/27/06 20:53
Benzyl alcohol		ND	440	4.9	µg/Kg-dry 1	01/27/06 20:53
is(2-Chloroeth	hoxy)methane	ND	440	1.7	µg/Kg-dry 1	01/27/06 20:53
ois(2-chloroeth	iyl)ether	ND	440	2.5	µg/Kg-dry 1	01/27/06 20:53
ois(2-chloroiso	propyl)ether	ND	440	2.5	µg/Kg-dry 1	01/27/06 20:53
is(2-Ethylhex	yl)phthalate	72 J	440	14	µg/Kg-dry 1	01/27/06 20:53
Butyl benzyl pl	hthalate	NĎ	440	2.9	µg/Kg-dry 1	01/27/06 20:53
Chrysene		120 J	440	2.1	µg/Kg-dry 1	01/27/06 20:53
Di-n-butyl phth	alate	52 J	440	3.6	µg/Kg-dry 1	01/27/06 20:53
)i-n-octyl phth	alate	ND	440	2.1	µg/Kg-dry 1	01/27/06 20:53
Dibenz[a,h]ant	hracene	ND	440	1.8	µg/Kg-dry 1	01/27/06 20:53
Dibenzofuran		ND	440	1.9	µg/Kg-dry 1	01/27/06 20:53
Diethyl phthala	ite	ND	440	3.1	µg/Kg-dry 1	01/27/06 20:53
Dimethyl phtha	alate	ND	440	2.2	µg/Kg-dry 1	01/27/06 20:53
luoranthene		150 J	440	2.0	µg/Kg-dry 1	01/27/06 20:53
luorene		ND	440	2.2	µg/Kg-dry 1	01/27/06 20:53
lexachlorober	zene	ND	440	3.5	µg/Kg-dry 1	01/27/06 20:53
<b>lexachlorobut</b>	adiene	ND	440	4.7	µg/Kg-dry 1	01/27/06 20:53
lexachlorocyc	lopentadiene	ND	440	17	µg/Kg-dry 1	01/27/06 20:53
lexachloroeth	ane	. ND	440	<b>4.7</b> ·	µg/Kg-dry 1	01/27/06 20:53
ndeno[1,2,3-c	d]pyrene	ND	440	1.8	µg/Kg-dry 1	01/27/06 20:53
sophorone		ND	440	2.1	µg/Kg-dry 1	01/27/06 20:53
I-Nitroso-di-n-	propylamine	ND	440	3.7	µg/Kg-dry 1	01/27/06 20:53
N-Nitrosodiphe	enylamine	ND	440	2.1	µg/Kg-dry 1	01/27/06 20:53
aphthalene		84 J	440	1.3	µg/Kg-dry 1	01/27/06 20:53
litrobenzene		ND	. 440	2.6	µg/Kg-dry 1	01/27/06 20:53
Pentachloroph	enol	ND	2200	36	µg/Kg-dry 1	01/27/06 20:53
henanthrene		130 J	440	1.6	ug/Kg-ary 1	01/27/06 20:53
henol		ND	440	1.8	µg/Kg-dry 1	01/27/06 20:53
yrene		180 J	440	2.1	µg/Kg-dry 1	01/27/06 20:53
Surt: 2,4,6-1	Tribromophenol	99.9	<b>20-14</b> 3	0	%REC 1	01/27/06 20:53
Surr: 2-Fluo	robiphenyl	86.1	<b>46-130</b>	0	%REC 1	01/27/06 20:53
Surr: 2-Fluo	rophenol	61.5	22-130	0	%REC 1	01/27/06 20:53
Surr: Nitrobe	enzene-d5	68.8	39-130	0	%REC 1	.01/27/06 20:53
Qualifiers:	<ul> <li>B Analyte detected in th</li> <li>H Holding times for pre</li> <li>ND Not Detected at the P</li> </ul>	paration or analysis	s exceeded	J Analyte	xcceds the instrument cal detected below the PQL onf. column %D or RPD	· · ·

#### Life Science Laboratories, Inc. **Analytical Results** 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 StateCertNo: 10155 (315) 437-0200 Lab ID: **CLIENT:** O'Brien & Gere Engineers, Inc. 0601049-013B **Project:** Client Sample ID: BH-27-S Geneva Foundry W Order: 01/11/06 13:40 0601049 **Collection Date:** Matrix: SOIL Date Received: 01/12/06 7:50 Inst. ID: MS05 26 PrepDate: 01/13/06 8:14 A Sample Size: 30 g 2374/R4380 ColumnID: ZB-5 **BatchNo:** %Moisture: 24.3

Revision:	01/31/06 10:20:40 A	TestCode: 8270S TAGML FileID:			1-SAMP-N3930.D		
Analyte		Result Q	ual PQL	MDL	Units	DF	Date Analyzed
SEMIVOLA	TILE ORGANIC COMPO	OUNDS BY GO	:/MS	SW8270C		(SW3550	B)
Surr: Phei	nol-d5	58.1	33-130	0	%REC	1	01/27/06 20:53
Surr: Terp	henyl-d14	113	36-146	0	%REC	t	01/27/06 20:53

Qualifiers:

Analyte detected in the associated Method Blank ·B Н Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL) Ε Value exceeds the instrument calibration range

Analyte detected below the PQL J

Prim./Conf. column %D or RPD exceeds limit p

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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**Analytical Results** 

CLIENT: Project: V Order: Aatrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	ers, me.		Lab ID:         0601049-013B           Client Sample ID:         BH-27-S           Collection Date:         01/11/06 13:40           Date Received:         01/12/06 7:50			
ColumnID:	MS05 26 ZB-5 01/31/06 10:37:14 A	Sample Size %Moisture: TestCode:		PrepDate BatchNo: FileID:	237	13/06 8: 4/R438 A-N396	1
nalyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Units	DF	Date Analyze
		UNDS BY GC	MS SV	V8270C	(	SW3550	<b>B)</b>
,2,4-Trichloro	benzene	ND	440	3.5	µg/Kg-dry	1	01/31/06 2:48
,2-Dichlorobe		ND	440	3.1	µg/Kg-dry	1	01/31/06 2:48
,3-Dichlorobe	nzene	ND	440	2.1	µg/Kg-dry	1	01/31/06 2:48
4-Dichlorobe		ND	440	2.5	µg/Kg-dry	1	01/31/06 2:48
4,5-Trichloro	•	ND	2200	43	µg/Kg-dry	1	01/31/06 2:48
,4,6-Trichloro	•	ND	440	4.1	µg/Kg-dry	1	01/31/06 2:48
,4-Dichloroph	enol	ND	440	4.0	µg/Kg-dry	1	01/31/06 2:48
,4-Dimethylph	enol	. ND	440	3.7	µg/Kg-dry	1	01/31/06 2:48
,4-Dinitropher	lor	ND	2200	80	µg/Kg-dry	1	01/31/06 2:48
,4-Dinitrotolue	ene	ND	440	3.6	µg/Kg-dry	1	01/31/06 2:48
,6-Dinitrotolue	ene	ND	440	4.2	µg/Kg-dry	1	01/31/06 2:48
-Chloronaphtl	halene	ND	440	2.1	µg/Kg-dry	1	01/31/06 2:48
-Chloropheno	l	ND	440	2.9	µg/Kg-dry	1	01/31/06 2:48
-Methylnaphti	halene	64 J	440	2.1	µg/Kg-dry	1	01/31/06 2:48
-Methylpheno	ł	ND	440	2.7	µg/Kg-dry	1	01/31/06 2:48
-Nitroaniline	•	ND	2200	4.6	µg/Kg-dry	1	01/31/06 2:48
-Nitrophenol		ND	440	5.0	µg/Kg-dry	1	01/31/06 2:48
,3'-Dichlorobe	enzidine	ND	870	11	µg/Kg-dry	1	01/31/06 2:48
-Nitroaniline		ND	2200	15	µg/Kg-dry	1	01/31/06 2:48
,6-Dinitro-2-m	nethylphenol	ND	2200	36	µg/Kg-dry	1	01/31/06 2:48
	I phenyl ether	ND	440	3.1	µg/Kg-dry	1	01/31/06 2:48
-Chloro-3-me		ND	440	3.5	µg/Kg-dry		01/31/06 2:48
-Chloroaniline	and the second	ND	440	5.4	µg/Kg-dry		01/31/06 2:48
the second second second second	i phenyl ether	ND	440	3.3	µg/Kg-dry		01/31/06 2:48
-Methylpheno		ND	440	2.5	μg/Kg-dry		01/31/06 2:48
-Nitroaniline		ND	2200	7.3	μg/Kg-dry		01/31/06 2:48
-Nitrophenol		ND	2200	17	µg/Kg-dry		01/31/06 2:48
cenaphthene	I	ND	440	1.5	µg/Kg-dry		01/31/06 2:48
cenaphthyler		ND	440	2.0	µg/Kg-dry		01/31/06 2:48
niline		ND	440	5.4	µg/Kg-dry		01/31/06 2:48
Inthracene		ND	440	1.8	µg/Kg-dry		01/31/06 2:48
enzo[a]anthra	аселе	93 J	440	1.9	µg/Kg-dry		01/31/06 2:48
enżo[a]pyren		110 J	440	2.2	μg/Kg-dry		01/31/06 2:48
Senzo[b]fluora		190 J	440	3.2	µg/Kg-dry		01/31/06 2:48
Senzo[g,h,l]pe		74 J	440	2.2	µg/Kg-dry		01/31/06 2:48
Qualifiers:	B Analyte detected in the	e associated Meth	od Blank	E Value	exceeds the instr	ument cal	ibration range

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Client Collec	Lab ID:         0601049-013B           Client Sample ID: <i>BH-27-S</i> Collection Date:         01/11/06 13:40           Date Received:         01/12/06 7:50				
Inst. ID:	MS05 26	Sample Size:	: 30 g	Prepl	PrepDate: 01/13/06 8:14 A				
ColumnID:	ZB-5	%Moisture:	24.3	Batch					
<b>Revision:</b>	01/31/06 10:37:14 A	TestCode:	8270S TAGM	, FileII	): 1-RA-N3960	.D			
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyze			
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC	MS SI	N8270C	(SW3550E	<b>)</b>			
Benzo[k]fluora	nthene	45 J	440	2.8	µg/Kg-dry 1	01/31/06 2:48			
Benzoic acid		ND	2200	140	µg/Kg-dry 1	01/31/06 2:48			
Benzyl alcoho	l	ND	440	4.9	µg/Kg-dry 1	01/31/06 2:48			
ois(2-Chloroet	hoxy)methane	ND	440	1.7	µg/Kg-dry 1	01/31/06 2:48			
bis(2-chloroetl	••	ND	440	2.5	µg/Kg-dry 1	01/31/06 2:48			
bis(2-chloroisc		ND	440	2.5	µg/Kg-dry 1	01/31/06 2:48			
ois(2-Ethylhex		<del>9</del> 5 J	440	14	µg/Kg-dry 1	01/31/06 2:48			
Butyi benzyi p	hthalate	ND	440	2.9	µg/Kg-dry 1	01/31/06 2:48			
Chrysene		120 J	440	2.1	µg/Kg-dry 1	01/31/06 2:48			
Di-n-butyl phth	nalate	47 J	440	3.6	µg/Kg-dry 1	01/31/06 2:48			
Di-n-octyl phth		ND	440	2.1	µg/Kg-dry 1	01/31/06 2:48			
Dibenz[a,h]ani	hracene	ND	440	1.8	µg/Kg-dry 1	01/31/06 2:48			
Dibenzofuran		ND	440	1.9	µg/Kg-dry 1	01/31/06 2:48			
Diethyl phthal:	ate	ND	440	3.1	μg/Kg-dry 1	01/31/06 2:48			
Dimethyl phth		ND	440	2.2	µg/Kg-dry 1	01/31/06 2:48			
luoranthene		130 J	440	2.0	µg/Kg-dry 1	01/31/06 2:48			
Fluorene		ND	440	2.2	µg/Kg-dry 1	01/31/06 2:48			
lexachiorobe	nzene	ND	440	3.5	µg/Kg-dry 1	01/31/06 2:48			
lexachiorobui	adiene	ND	440	4.7	µg/Kg-dry 1	01/31/06 2:48			
-lexachlorocyc	clopentadiene	.ND	440	17	µg/Kg-dry 1	01/31/06 2:48			
- lexachloroeth	-	ND	440	4.7	µg/Kg-dry 1	01/31/06 2:48			
ndeno[1,2,3-c		· ND	440	1.8	µg/Kg-dry 1	01/31/06 2:48			
sophorone		ND	440	2.1	µg/Kg-dry 1	01/31/06 2:48			
N-Nitroso-di-n	-propylamine	ND	440	3.7	µg/Kg-dry 1	01/31/06 2:48			
N-Nitrosodiph		ND	440	2.1	µg/Kg-dry 1	01/31/06 2:48			
Naphthalene		77 J	440	1.3	µg/Kg-dry 1	01/31/06 2:48			
vitrobenzene		ND	440	2.6	µg/Kg-dry 1	01/31/06 2:48			
Pentachioroph	ienol	ND	2200	36	µg/Kg-dry 1	01/31/06 2:48			
Phenanthrene		110 J	440	1.6	µg/Kg-dry 1	01/31/06 2:48			
Phenol		ND	440	1.8	µg/Kg-dry 1	01/31/06 2:48			
Pyrene		180 J	440	2.1	µg/Kg-dry 1	01/31/06 2:48			
-	Tribromophenol	94.6	20-143	0	%REC 1	01/31/06 2:48			
Sun: 2-Fluc	-	96.8	46-130	0	%REC 1	01/31/06 2:48			
Surr: 2-Fluc	· ·	65.3	22-130	0	%REC 1	01/31/06 2:48			
Surr: Nitrob	•	74.7	39-130	0	%REC 1	01/31/06 2:48			
Qualifiers:	B Analyte detected in th	e associated Meth	od Blank	E V	alue exceeds the instrument calib	ration range			
Anamicis:	H Holding times for pre			JA	nalyte detected below the PQL				
	ND Not Detected at the P				rim./Conf. column %D or RPD en	ceeds limit			
	S Spike Recovery outsi	-	= -			- <sup>+</sup>			

### Life Science Laboratories, Inc.

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#### **Analytical Results**

01/31/06 2:48

E	StateCertNo: 10155						
CLIENT:	O'Brien & Gere Engin	eers, Inc.		Lab ID:		0601049-0	13B
Project:	Geneva Foundry	·		Client Sample I			
W Order:	0601049			Collection Date		01/11/06 13	:40
Matrix:	SOIL			Date Received:		01/12/06 7::	50
Inst. ID:	MS05 26	Sample Size	: 30 g	PrepDate:	I	01/13/06 8:1	4 <b>A</b>
ColumnID:	ZB-5	%Moisture	•	BatchNo:		2374/R4381	
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAGML	FileID:		1-RA-N396	). <b>D</b>
Analyte		Result Qu	ial PQL	MDL U	nits	DF	Date Analyzed
SEMIVOLAI	ILE ORGANIC COMPO	UNDS BY GC	/MS SW	8270C		(SW3550)	3)
Surr: Pheno		65.4	33-130	0. %	REC	•	01/31/06 2:48

36-146

0

%REC

Qualifiers:

Surr: Terphenyl-d14

Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

- ND Not Detected at the Practical Quantitation Limit (PQL) \$ Spike Recovery outside accepted recovery limits
- Value exceeds the instrument calibration range Ε
- Analyte detected below the PQL J
- P Prim./Conf. column %D or RPD exceeds limit

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Life Science 1 LSL 5000 Brittonfield Parkw		Analytical Result				
East Syracuse, NY 130		7-0200		State	eCertNo:	10155
CLIENT: O'Brien & Gere Engine	ers, Inc.		Lab ID:	. 06	01049-01	4B
Project: Geneva Foundry			<b>Client</b> S	Sample ID: Bl	H-27-D	
W Order: 0601049					11/06 13:	55
Matrix: SOIL			Date Re	ceived: 01/	12/06 7:50	)
Inst. ID: MS05 26	Sample Size: 30	<b>α</b> .	PrepDa	ite: 01/	13/06 8:14	A
ColumnID: ZB-5	Moisture: 20		BatchN		4/ <b>R</b> 4380	
<b>Revision:</b> 01/31/06 10:20:40 A	•	70S TAGML	FileID:		AMP-N39	D 15
Analyte	Result Qual	PQL	MDL	Units	DF	Date Analyz
EMIVOLATILE ORGANIC COMPO	UNDS BY GC/MS	SW	8270C	•	SW3550B)	
,2,4-Trichlorobenzene		120	3.3	µg/Kg-dry		01/27/06 21:31
,2-Dichlorobenzene		120	3.0	µg/Kg-dry		01/27/06 21:31
,3-Dichlorobenzene		120	2.0	µg/Kg-dry		01/27/06 21:31
,4-Dichlorobenzene	ND 4	120	2.4	µg/Kg-dry		01/27/06 21:31
2,4,5-Trichlorophenol	ND 2	2100	41	µg/Kg-dry		01/27/06 21:31
2,4,6-Trichlorophenol	ND 4	120	3.9	µg/Kg-dry		01/27/06 21:31
4-Dichlorophenol	ND 4	120	3.8	µg/Kg-dry	1	01/27/06 21:31
,4-Dimethylphenol	ND 4	120	3.6	µg/Kg-dry	1	01/27/06 21:31
,4-Dinitrophenol	ND 2	2100	76	µg/Kg-dry	1	01/27/06 21:31
,4-Dinitrotoluene	ND 4	120	3.5	µg/Kg-dry	1	01/27/06 21:31
,6-Dinitrotoluene	ND 4	120	4.0	µg/Kg-dry	1	01/27/06 21:31
-Chloronaphthalene	ND 4	120	2.0	µg/Kg-dry	1	01/27/06 21:31
-Chiorophenoi	ND 2	120	2.7	µg/Kg-dry	1	01/27/06 21:31
-Methylnaphthalene	ND 4	120	2.0	µg/Kg-dry	1	01/27/06 21:31
-Methylphenol	ND 4	120	2.6	µg/Kg-dry	1	01/27/06 21:31
-Nitroaniline	ND 2	2100	4.4	µg/Kg-dry	1	01/27/06 21:31
-Nitrophenol	ND 4	120	4.8	µg/Kg-dry		01/27/06 21:31
,3'-Dichlorobenzidine	ND 8	330	10	μg/Kg-dīy		01/27/06 21:31
-Nitroaniline	ND 2	2100	14	µg/Kg-dry		01/27/06 21:31
,6-Dinitro-2-methylphenol	ND 2	2100	34	µg/Kg-dry		01/27/06 21:31
-Bromophenyl phenyl ether	ND 4	120	2.9	µg/Kg-dry		01/27/06 21:31
-Chloro-3-methylphenol	NĐ 4	120	3.3	µg/Kg-dry		01/27/06 21:31
Chloroaniline	and the second	120	5.1	µg/Kg-dry		01/27/06 21:31
-Chlorophenyl phenyl ether		120	3,2	µg/Kg-dry		01/27/06 21:31
-Methylphenol		120	2.4	µg/Kg-dry		01/27/06 21:31
-Nitroaniline		2100	7.0	µg/Kg-dry		01/27/06 21:31
-Nitrophenol		2100	17	µg/Kg-dry		01/27/06 21:31
cenaphthone		120	1.5	µg/Kg-dry		01/27/06 21:31
cenaphthylene		120	1.9	µg/Kg-dry		01/27/06 21:31
niline		120	5.2	µg/Kg-dry		01/27/06 21:31
nthracene		120	1.7	µg/Kg-dry		01/27/06 21:31
enzo[a]anthracene		120	1.8	µg/Kg-dry		01/27/06 21:31
enzo[a]pyrene		120	2.1	µg/Kg-dry		01/27/06 21:31
enzo[b]fluoranthene		120	3.0	μg/Kg-dry		01/27/06 21:31
Benzo[g,h,l]perylene		120 120	2.1	µg/Kg-dry		01/27/06 21:31
Qualifiers: B Analyte detected in the	e associated Method Bl	lank	E Valu	ie exceeds the instr	ument calibra	ution range
Zaamie bi	paration or analysis exc			lyte detected below		
ND Not Detected at the Pr				1./Conf, column %E		ceds limit
	le accepted recovery lin					

CLIENT: O'Brien & Gere Engine	ers Inc	ĭ ab	Lab ID: 0601049-014B				
Project: Geneva Foundry	ers, inc.		Lab ID: 0601049-014B Client Sample ID: <i>BH-27-D</i>				
<b>W Order:</b> 0601049				Collection Date: 01/11/06 13:55			
Matrix: SOIL				e Received: 01/12/06 7:			
· · · · · · · · · · · · · · · · · · ·	a . a	••					
Inst. ID: MS05 26	Sample Size:	. –		• ···	• •		
ColumnID: ZB-5 Revision: 01/31/06 10:20:40 A	%Moisture: 20.7				2374/R4380 1-SAMP-N3931.D		
	TestCode:	8270S TAGML			······		
Analyte ·	Result Qu	al PQL	MD	L Units DF	Date Analyze		
SEMIVOLATILE ORGANIC COMPO			/8270	-	•		
Benzo[k]fluoranthene	43 J	420	2.7	µg/Kg-dry 1	01/27/06 21:31		
Benzoic acid	ND	2100	130	μg/Kg-dry 1	01/27/06 21:31		
Benzyl alcohol	NÐ	420	4.6	µg/Kg-dry 1	01/27/06 21:31		
is(2-Chloroethoxy)methane	ND	420	1.6	µg/Kg-dry 1	01/27/06 21:31		
vis(2-chloroethyl)ether	ND	420	2.4	µg/Kg-dry 1	01/27/06 21:31		
ois(2-chloroisopropyi)ether	ND	420	2.4	µg/Kg-dry 1	01/27/06 21:31		
is(2-Ethylhexyl)phthalate	ND	420	14	µg/Kg-dry 1	01/27/06 21:31		
utyl benzyl phthalate	ND	420	2.7	µg/Kg-dry 1	01/27/06 21:31		
hrysene	76 J	420	2.0	µg/Kg-dry 1	01/27/06 21:31		
Di-n-butyl phthalate	ND	420	3.5	µg/Kg-dry 1	01/27/06 21:31		
Di-n-octyl phthalate	ND	420	2.0	µg/Kg-dry 1	01/27/06 21:31		
bibenz[a,h]anthracenie	ND	420	1.7	µg/Kg-dry 1	01/27/06 21:31		
Dibenzofuran	ND	420	1.8	µg/Kg-dry 1	01/27/06 21:31		
Diethyl phthalate	ND	420	3.0	µg/Kg-dry 1	01/27/06 21:31		
Dimethyl phthalate	ND	420	2.1	µg/Kg-dry 1	01/27/06 21:31		
luoranthene	57 J	420	1.9	µg/Kg-dry 1	01/27/06 21:31		
luorene	ND	420	2.1	µg/Kg-dry 1	01/27/06 21:31		
lexachlorobenzene	ND	420	3.3	µg/Kg-dry 1	01/27/06 21:31		
lexachlorobutadiene	ND	420	4.4	µg/Kg-dry 1	01/27/06 21:31		
lexachlorocyclopentadiene	ND	420	16	µg/Kg-dry 1	01/27/06 21:31		
lexachtoroethane	ND	420	4.5	µg/Kg-dry 1	01/27/06 21:31		
ndeno[1,2,3-cd]pyrene	ND	420	1.7	μg/Kg-dry 1	01/27/06 21:31		
sophorone	ND	420	2.0	µg/Kg-dry 1	01/27/06 21:31		
I-Nitroso-di-n-propylamine	ND	420	3.6	µg/Kg-dry 1	01/27/06 21:31		
I-Nitrosodiphenylamine	ND	420	2.0	µg/Kg-dry 1	01/27/06 21:31		
laphthalene	NÐ	420	1.3	µg/Kg-dry 1	01/27/06 21:31		
litrobenzene	ND	420	2.5	µg/Kg-dry 1	01/27/06 21:31		
Pentachlorophenol	ND	2100	35	µg/Kg-dry 1	01/27/06 21:31		
henanthrene	ND	420	1.5	µg/Kg-dry 1	01/27/06 21:31		
henoi	ND	420	1.7	µg/Kg-dry 1	01/27/06 21:31		
'yrene	63 J	420	<b>2</b> .0	µg/Kg-dry 1	01/27/06 21:31		
Surr: 2,4,6-Tribromophenol	38.7	20-143	0	%REC 1	01/27/06 21:31		
Surr: 2-Fluorobiphenyl	31.0 S	46-130	0	%REC 1	01/27/06 21:31		
Surr: 2-Fluorophenol	22.3	22-130	0	%REC 1	01/27/06 21:31		
Surr. Nitrobenzene-d5	25.1 S	39-130	0	%REC 1	01/27/06 21:31		
Qualifiers: B Analyte detected in the	associated Metho	d Blank	E	Value exceeds the instrument cali	bration range		
H Holding times for prep			J	Analyte detected below the PQL	. *		
ND Not Detected at the Pra	•		Р	Prim./Conf. column %D or RPD e	exceeds limit		
S Spike Recovery outsid	e accepted recover	y limits		· · ·			

#### **Analytical Results**

E	ast Syracuse, NY 130	57 (315)		StateCertNo: 10155			
CLIENT:	O'Brien & Gere Engin	eers, Inc.		Lab ID:		0601049-0	)14B
Project:	Geneva Foundry			Client Sam	ole ID:	BH-27-D	)
W Order:	0601049			Collection I		01/11/06 13	
Matrix:	SOIL			Date Receiv	ed:	01/12/06 7:	50
Inst. ID:	MS05 26	Sample Size	:30 g	PrepDate:		01/13/06 8:	14 A
ColumnID:	ZB-5	%Moisture:		BatchNo:		2374/R4380	)
<b>Revision:</b>	01/31/06 10:20:40 A	TestCode:	8270S TAGM	L FileID:		1-SAMP-N	3931.D
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLA		OUNDS BY GC	MS SI	N8270C		(SW3550	B)
Surr: Pheno	ol-d5	20.6 S	33-130	0	%REC	: <b>1</b> ⇒	01/27/06 21:31
Surr: Teroh	envi-d14	34.4 S	36-146	n	%REC	: 1	01/27/06 21:31

S

Qualifiers:

Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL) Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range Е

Analyte detected below the PQL l

Р Prim./Conf. column %D or RPD exceeds limit

В

Η

#### SL 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 StateCertNo: 10155 (315) 437-0200 Lab ID: 0601049-014B CLIENT: O'Brien & Gere Engineers, Inc. **Project:** Geneva Foundry Client Sample ID: BH-27-D 01/11/06 13:55 W Order: **Collection Date:** 0601049 Matrix: SOIL Date Received: 01/12/06 7:50 **PrepDate:** 01/13/06 8:14 A Inst. ID: MS05 26 Sample Size: 30 g 2374/R4381 **BatchNo:** ColumnID: ZB-5 %Moisture: 20.7 1-RA-N3954.D **Revision:** 01/31/06 10:37:14 A FileID: TestCode: 8270S TAGML MDL Units DF **Date Analyzed** Analyte **Result Qual PQL** (SW3550B) SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS SW8270C 01/30/06 23:02 µg/Kg-dry 1 1,2,4-Trichlorobenzene ND 420 3.3 01/30/06 23:02 420 3.0 µg/Kg-dry 1 1,2-Dichlorobenzene ND 01/30/06 23:02 1,3-Dichlorobenzene ND 420 2.0 µg/Kg-dry 1 µg/Kg-dry 1 01/30/06 23:02 1.4-Dichlorobenzene ND 420 2.4 01/30/06 23:02 µg/Kg-dry 1 41 2,4,5-Trichlorophenol ND 2100 01/30/06 23:02 2,4,6-Trichlorophenol ND 420 3.9 µg/Kg-dry 1 01/30/06 23:02 2,4-Dichlorophenol ND 420 3.8 µg/Kg-dry 1 01/30/06 23:02 ND 420 3.6 µg/Kg-dry 1 2,4-Dimethylphenol 01/30/06 23:02 2100 µg/Kg-dry 1 2,4-Dinitrophenol ND 76 01/30/06 23:02 µg/Kg-dry 1 2,4-Dinitrotoluene ND 3.5 420 µg/Kg-dry 1 01/30/06 23:02 2.6-Dinitrotoluene ND 420 4.0 01/30/06 23:02 2-Chloronaphthalene ND 420 2.0 µg/Kg-dry 1 2-Chlorophenol ND 420 2.7 µg/Kg-dry 1 01/30/06 23:02 01/30/06 23:02 2-Methylnaphthalene ND 420 2.0 µg/Kg-dry 1 01/30/06 23:02 2.6 µg/Kg-dry 1 2-Methylphenoi ND 420 01/30/06 23:02 2-Nitroaniline ND 2100 4.4 µg/Kg-dry 1 2-Nitrophenol ND 420 4.8 µg/Kg-dry 1 01/30/06 23:02 µg/Kg-dry 1 01/30/06 23:02 3.3'-Dichlorobenzidine ND 830 10 01/30/06 23:02 14 µg/Kg-dry 1 3-Nitroaniline ND 2100 4,6-Dinitro-2-methylphenol µg/Kg-dry 1 01/30/06 23:02 ND 2100 34 01/30/06 23:02 4-Bromophenyl phenyl ether ND 420 2.9 µg/Kg-dry 1 4-Chloro-3-methylphenol ND 420 3.3 µg/Kg-dry 1 01/30/06 23:02 01/30/06 23:02 420 5.1 µg/Kg-dry 1 4-Chloroaniline ND 01/30/06 23:02 420 3.2 µg/Kg-dry 1 4-Chlorophenyl phenyl ether ND 2.4 µg/Kg-dry 1 01/30/06 23:02 4-Methylphenol ND 420 01/30/06 23:02 7.0 µg/Kg-dry 1 4-Nitroaniline ND 2100 µg/Kg-dry 1 01/30/06 23:02 4-Nitrophenol ND 2100 17 01/30/06 23:02 µg/Kg-dry 1 Acenaphthene ND 420 1.5 01/30/06 23:02 420 1.9 µg/Kg-dry 1 Acenaphthylene ND 01/30/06 23:02 Aniline ND 420 5.2 µg/Kg-dry 1 1.7 µg/Kg-dry 1 01/30/06 23:02 ND 420 Anthracene Benzo[a]anthracene 82 J 420 1.8 µg/Kg-dry 1 01/30/06 23:02 01/30/06 23:02 2.1 µg/Kg-dry\_1 Benzo[a]pyrene 97 J 420 01/30/06 23:02 420 3.0 µg/Kg-dry 1 Benzo[b]fluoranthene 120 J 2.1 µg/Kg-dry 1 01/30/06 23:02 Benzo[g,h,l]perviene ND 420 Analyte detected in the associated Method Blank Е Value exceeds the instrument calibration range в Qualifiers:

Holding times for preparation or analysis exceeded н

Analyte detected below the PQL J

ND Not Detected at the Practical Quantitation Limit (PQL)

S

Р Prim./Conf. column %D or RPD exceeds limit

Spike Recovery outside accepted recovery limits

Project Supervisor: Thomas A. Alexander

Print Date: 01/31/06 11:37

**Analytical Results** 

### Life Science Laboratories, Inc.

**Analytical Results** 

CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601049 Matrix: SOIL		Lab ID:         0601049-014B           Client Sample ID:         BH-27-D           Collection Date:         01/11/06 13:55           Date Received:         01/12/06 7:50			
Inst. ID: MS05 26 ColumnID: ZB-5 Revision: 01/31/06 10:37:14 A	Sample Size %Moisture: TestCode:		PrepData BatchNo FileID:		1
Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPO	DUNDS BY GC	MS SW	8270C	(SW3550	B)
Benzo[k]fluoranthene	ND	420	2.7	µg/Kg-dry 1	01/30/06 23:02
Benzoic acid	ND	2100	130	µg/Kg-dry 1	01/30/06 23:02
Benzyi alcohol	ND	420	4.6	µg/Kg-dry 1	01/30/06 23:02
is(2-Chloroethoxy)methane	ND	420	1.6	µg/Kg-dry 1	01/30/06 23:02
is(2-chloroethyl)ether	ND	420	2.4	µg/Kg-dry 1	01/30/06 23:02
is(2-chloroisopropyl)ether	ND	420	2.4	µg/Kg-dry 1	01/30/06 23:02
is(2-Ethylhexyl)phthalate	ND	420	14	µg/Kg-dry 1	01/30/06 23:02
Butyl benzyl phthalate	ND	420	2.7	µg/Kg-dry 1	01/30/06 23:02
Chrysene	70 J	420	2.0	µg/Kg-dry 1	01/30/06 23:02
Di-n-butyl phthalate	ND	420	3.5	µg/Kg-dry 1	01/30/06 23:02
i-n-octyl phthalate	ND	420	2.0	µg/Kg-dry 1	01/30/06 23:02
Dibenz[a,h]anthracene	ND	420	1.7	µg/Kg-dry 1	01/30/06 23:02
Dibenzoturan	ND	420	1.8	µg/Kg-dry 1	01/30/06 23:02
Nethyl phthalate	ND	420	<b>3.0</b> ·	µg/Kg-dry 1	01/30/06 23:02
Dimethyl phthalate	ND	420	2.1	µg/Kg-dry 1	01/30/06 23:02
luoranthene	55 J	420	1.9	µg/Kg-dry 1	01/30/06 23:02
luorene	ND	420	2.1	µg/Kg-dry 1	01/30/06 23:02
lexachlorobenzene	ND	420	3.3	µg/Kg-dry 1	01/30/06 23:02
lexachlorobutadiene	ND	420	4.4	µg/Kg-dry 1	01/30/06 23:02
lexachlorocyclopentadiene	ND	420	16	µg/Kg-dry 1	01/30/06 23:02
lexachloroethane	ND	420	4.5	µg/Kg-dry 1 .	01/30/06 23:02
ndeno[1,2,3-cd]pyrene	ND	420	1.7	µg/Kg-dry 1	01/30/06 23:02
sophorone	ND	420	2.0	µg/Kg-dry 1	01/30/06 23:02
I-Nitroso-di-n-propylamine	ND	420	3.6	µg/Kg-dry 1	01/30/06 23:02
l-Nitrosodiphenylamine	ND	420	2.0	µg/Kg-dry 1	01/30/06 23:02
laphthaiene	ND	420	1.3	µg/Kg-dry 1	01/30/06 23:02
litrobenzene	ND	420	2.5	µg/Kg-dry 1	01/30/06 23:02
entachlorophenol	ND	2100	35	µg/Kg-dry 1	01/30/06 23:02
henanthrene	ND	420	1.5	µg/Kg-dry 1	01/30/06 23:02
henol	ND	420	1.7	µg/Kg-dry 1	01/30/06 23:02
yrene	51 J	420	2.0	µg/Kg-dry 1	01/30/06 23:02
Surt: 2,4,6-Tribromopheno!	36.6	20-143	0	%REC 1	01/30/06 23:02
Surr: 2-Fluorobiphenyl	30.0 S	46-130	0	%REC 1	01/30/06 23:02
Surr: 2-Fluorophenol	24.7	22-130	0	%REC 1	01/30/06 23:02
Surr: Nitrobenzene-d5	27.0 S	39-130	0	%REC 1	01/30/06 23:02
Qualifiers: B Analyte detected in th	e associated Metho	d Blank	E Value	exceeds the instrument cali	bration range

#### Life Science Laboratories, Inc. SL 5000 Brittonfield Parkway, Suite 200 **Analytical Results** East Syracuse, NY 13057 StateCertNo: 10155 (315) 437-0200 CLIENT: O'Brien & Gere Engineers, Inc. Lab ID: 0601049-014B **Project:** Geneva Foundry Client Sample ID: BH-27-D W Order: 0601049 01/11/06 13:55 Collection Date:

Matrix:	SOIL				Date Receiv		01/11/06 13:: 01/12/06 7:50	· ·
ColumnID:	MS05 26 ZB-5 01/31/06 10:37:14 A	Sample Size: %Moisture: TestCode:		GML	PrepDate: BatchNo: FileID:		01/13/06 8:14 2374/R4381 1-RA-N3954.	
Analyte		Result Qua	al PQL		MDL	Units	DF	Date Analyzed
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC/I	MS	SW8	3270C		(SW3550B)	
Surr: Pheno	l-d5	23.4 S	33-130		0	%REC	1	01/30/06 23:02

Qualifiers:

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

S Spike Recovery outside accepted recovery limits

P Prim./Conf. column %D or RPD exceeds limit

East Syracuse, NY 130	57 (315	5) 437-0200		StateCertNo	<b>b:</b> 10155
CLIENT: O'Brien & Gere Engin Project: Geneva Foundry V Order: 0601049 Matrix: SOIL nst. ID: MS05 26 ColumnID: ZB-5 Revision: 01/31/06 10:20:40 A	eers, Inc. Sample Size %Moisture TestCode:		Lab ID: Client Sam Collection I Date Receiv PrepDate: BatchNo: FileID:	Date: 01/11/06 1	5:10 :50 :14 A 0
nalyte	Result Q	nal PQL	MDL	Units DF	Date Analyzed
EMIVOLATILE ORGANIC COMP	DUNDS BY GO	MS SV	V8270C	(SW3550	)B)
,2,4-Trichlorobenzene	ND	38000	300	µg/Kg-dry 10	01/28/06 1:52
,2-Dichlorobenzene	ND	38000	270	µg/Kg-dry 10	01/28/06 1:52
,3-Dichlorobenzene	- ND	38000	180	µg/Kg-dry 10	01/28/06 1:52
,4-Dichlorobenzene	ND	38000	220	µg/Kg-dry 10	01/28/06 1:52
4,5-Trichlorophenol	ND	190000	3700	µg/Kg-dry 10	01/28/06 1:52
4,6-Trichlorophenol	ND	38000	350	µg/Kg-dry 10	01/28/06 1:52
4-Dichiorophenol	ND	38000	350	µg/Kg-dry 10	01/28/06 1:52
4-Dimethylphenol	ND	38000	320	µg/Kg-dry 10	01/28/06 1:52
4-Dinitrophenol	ND	190000	6900	µg/Kg-dry 10	01/28/06 1:52
4-Dinitrotoluene	ND	38000	310	µg/Kg-dry 10	01/28/06 1:52
6-Dinitrotoluene	ND	38000	360	µg/Kg-dry 10	01/28/06 1:52
Chioronaphthalene	ND	38000	180	µg/Kg-dry 10	01/28/06 1:52
Chloropheno?	ND	38000	250	µg/Kg-dry 10	01/28/06 1:52
Methyinaphthalene	ND	38000	180	µg/Kg-dry 10	01/28/06 1:52
Methylphenol	· ND	38000	230	µg/Kg-dry 10	01/28/06 1:52
Nitroaniline	ND	190000	400	µg/Kg-dry 10	01/28/06 1:52
Nitrophenol	ND	38000	430	µg/Kg-dry 10	01/28/06 1:52
3'-Dichlorobenzidine	ND	75000	930	µg/Kg-dry 10	01/28/06 1:52
Nitroaniline	ND	190000	1300	µg/Kg-dry 10	01/28/06 1:52
6-Dinitro-2-methylphenol	ND	190000	3100	µg/Kg-dry 10	01/28/06 1:52
Bromophenyl phenyl ether	· ND	38000	260	µg/Kg-dry 10	01/28/06 1:52
Chloro-3-methylphenol	ND	38000	300	µg/Kg-dry 10	01/28/06 1:52
-Chloroaniline	ND	38000	460	µg/Kg-dry 10	01/28/06 1:52
Chlorophenyl phenyl ether	ND	38000	290	µg/Kg-dry 10	01/28/06 1:52
Methylphenol	ND	38000	220	µg/Kg-dry 10	01/28/06 1:52
Nitroaniline	ND	190000	630	µg/Kg-dry 10	01/28/06 1:52
Nitrophenol	ND	190000	1500	µg/Kg-dry 10	01/28/06 1:52
cenaphthene	ND	38000	130	µg/Kg-dry 10	01/28/06 1:52
cenaphthylene	ND	38000	170	µg/Kg-dry 10	01/28/06 1:52
niline	ND	38000	470	µg/Kg-dry 10	01/28/06 1:52
nthracene	ND	38000	150	µg/Kg-dry 10	01/28/06 1:52
enzo[a]anthracene	ND	38000	160	µg/Kg-dry 10	01/28/06 1:52
enzo[a]pyrene	ND	38000	190	µg/Kg-dry 10	01/28/06 1:52
enzo[b]fluoranthene	ND	38000	270	µg/Kg-dry 10	01/28/06 1:52
enzo[g,h,l]perylene	ND	38000	190	µg/Kg-dry 10	01/28/06 1:52
Qualifiers: B Analyte detected in the	ne associated Meth	od Blank	E Value ex	ceeds the instrument cal	ibration range
H Holding times for pre				detected below the PQL	

LSL 5000 Brittonfield Parkw East Syracuse, NY 130:	57 (315)	437-0200		StateCertNo	: 10155
CLIENT: O'Brien & Gere Engine Project: Geneva Foundry W Order: 0601049 Matrix: SOIL Inst. ID: MS05 26	eers, Inc. Sample Size	: 30 g	Lab ID: Client San Collection Date Recei PrepDate:	ived: 01/12/06 7:	5:10 50
ColumnID: ZB-5 Revision: 01/31/06 10:20:40 A	%Moisture: TestCode:		BatchNo: FileID:	2374/R4380 1-SAMP-N	
Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyze
SEMIVOLATILE ORGANIC COMPO	UNDS BY GC	MS SW	8270C	(SW3550	<b>B)</b>
Benzo[k]fluoranthene	ND	38000	240	µg/Kg-dry 10	01/28/06 1:52
enzoic acid	ND	190000	12000	µg/Kg-dry 10	01/28/06 1:52
enzyl alcohol	ND	38000	420	µg/Kg-dry 10	01/28/06 1:52
is(2-Chloroethoxy)methane	ND	38000	140	µg/Kg-dry 10	01/28/06 1:52
s(2-chloroethyl)ether	ND	38000	220	µg/Kg-dry 10	01/28/06 1:52
s(2-chloroisopropyl)ether	ND	38000	220	µg/Kg-dry 10	01/28/06 1:52
s(2-Ethylhexyl)phthalate	ND	38000	1200	µg/Kg-dry 10	01/28/06 1:52
utyl benzyl phthalate	ND	38000	250	µg/Kg-dry 10	01/28/06 1:52
hrysene	ND	38000	180	µg/Kg-dry 10	01/28/06 1:52
i-n-butyl phthalate	ND	38000	310	µg/Kg-dry 10	01/28/06 1:52
i-n-octyl phthalate	ND	38000	180	µg/Kg-dry 10	01/28/06 1:52
ibenz[a,h]anthracene	ND	38000	150	µg/Kg-dry 10	01/28/06 1:52
ibenzofuran	ND	38000	170	µg/Kg-dry 10	01/28/06 1:52
liethyl phthalate	ND	38000	270	µg/Kg-dry 10	01/28/06 1:52
Nimethyl phthalate	ND	38000	190	µg/Kg-dry 10	01/28/06 1:52
luoranthene	ND	38000	170	µg/Kg-dry 10	01/28/06 1:52
luorene	ND	38000	- 190	µg/Kg-dry 10	01/28/06 1:52
lexachlorobenzene	ND	38000	300	µg/Kg-dry 10	01/28/06 1:52
iexachlorobutadiene	ND	38000	400	µg/Kg-dry 10	01/28/06 1:52
lexachlorocyclopentadiene	ND	38000	1500	µg/Kg-dry 10	01/28/06 1:52
iexachloroethane	ND	38000	410	µg/Kg-dry 10	01/28/06 1:52
ndeno[1,2,3-cd]pyrene	ND	38000	150	µg/Kg-dry 10	01/28/06 1:52
sophorone	ND	38000	180	µg/Kg-dry 10	01/28/06 1:52
I-Nitroso-di-n-propylamine	ND	38000	320	µg/Kg-dry 10	01/28/06 1:52
I-Nitrosodiphenytamine	ND	38000	180	µg/Kg-dry 10	01/28/06 1:52
laphthalene	ND	38000	110	µg/Kg-dry 10	01/28/06 1:52
litrobenzene	ND	38000	230	µg/Kg-dry 10	01/28/06 1:52
entachiorophenol	ND	190000	3100	µg/Kg-dry 10	01/28/06 1:52
Phenanthrene	ND	38000	140	µg/Kg-dry 10	01/28/06 1:52
henol	ND	38000	150	µg/Kg-dry 10	01/28/08 1:52
yrene	ND	38000	180	µg/Kg-dry 10	01/28/06 1:52
Sun: 2,4,6-Tribromophenol	0	20-143	Ó	%REC 10	01/28/06 1:52
Surr: 2-Fluorobiphenyi	· 0	46-130	0	%REC 10	01/28/06 1:52
Surr: 2-Fluorophenol	0	22-130	0	%REC 10	01/28/08 1:52
Surr: Nitrobenzene-d5	0	39-130	0	%REC 10	01/28/06 1:52
Qualifiers: B Analyte detected in t	he associated Meth	od Blank	E Value	exceeds the instrument cal	ibration range
H Holding times for pro			-	e detected below the PQL	
ND Not Detected at the F S Spike Recovery outsi	ractical Quantitati	on Limit (PQL)	P Prim/C	Conf. column %D or RPD	exceeds limit

**Analytical Results** 

SL	5000	Brittonfield	Parkway,	Suite	200
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E	ast Syracuse, NY 130	57 (315)	437-0200		StateCertNo:	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Sample ID: Collection Date: Date Received:	0601049-01 BH-28-S 01/11/06 15:1 01/12/06 7:50	10
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:20:40 A	Sample Size: %Moisture: TestCode:	-		01/13/06 8:14 2374/R4380 1-SAMP-N39	
Analyte		Result Qu	al PQL	MDL Unit	s DF	Date Analyzed

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS			SW8270C	(SW3550B)		
Surr: Phenol-d5	0	33-130	0	%REC	10	01/28/06 1:52
Surr: Terphenyl-d14	0	36-146	0	%REC	10	01/28/06 1:52
NOTES:			· .			

Surrogates were diluted.

Elevated detection limits due to matrix interference.

Qualifiers:

Analyte detected in the associated Method Blank В H Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL)

Value exceeds the instrument calibration range Ε

Analyte detected below the PQL J Prim./Conf. column %D or RPD exceeds limit

Spike Recovery outside accepted recovery limits

Print Date: 01/31/06 13:42

S

Р

### **Analytical Results**

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	ers, Inc.		Lab ID:         0601049-015B           Client Sample ID:         BH-28-S           Collection Date:         01/11/06 15:10           Date Received:         01/12/06 7:50			
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:37:14 A	Sample Size: %Moisture: TestCode:		PrepDa BatchN FileID:		1	
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qua	al PQL	MDL	Units DF	Date Analyzed	
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC/	NS SW	8270C	(SW3550	) <b>B)</b>	
1,2,4-Trichlord	benzene	ND	38000	300	µg/Kg-dry 10	01/31/06 4:40	
1,2-Dichlorobe	enzene	ND	38000	270	μg/Kg-dry 10	01/31/0 <del>6</del> 4:40	
1,3-Dichlorobe	enzene	ND	38000	180	µg/Kg-dry 10	01/31/06 4:40	
1,4-Dichlorobe	enzene	ND ·	38000	220	µg/Kg-dry 10	01/31/06 4:40	
2,4,5-Trichlord	phenol	ND	190000	3700	µg/Kg-dry 10	01/31/06 4:40	
2,4,6-Trichlord	phenol	ND	38000	350	µg/Kg-dry 10	01/31/06 4:40	
2,4-Dichloroph	ieno}	ND	38000	350	µg/Kg-dry 10	01/31/06 4:40	
2,4-Dimethylpl	henol	ND	38000	320	µg/Kg-dry 10	01/31/06 4:40	
2,4-Dinitrophe	noi	ND	190000	6900	μg/Kg-dry 10	01/31/06 4:40	
2,4-Dinitrotolu	ene	ND	38000	310	µg/Kg-dry 10	01/31/06 4:40	
2,6-Dinitrotolu	ene	ND	38000	360	µg/Kg-dry 10	01/31/06 4:40	
2-Chloronapht	thalene	ND	38000	180	µg/Kg-dry 10	01/31/06 4:40	
2-Chloropheno		ND	38000	250	µg/Kg-dry 10	01/31/06 4:40	
2-Methylnapht	halene	ND	38000	180	µg/Kg-dry 10	01/31/06 4:40	
2-Methylphen	ol l	ND	38000	230	µg/Kg-dry 10	01/31/06 4:40	
2-Nitroaniline		ND	190000	400	µg/Kg-dry 10	01/31/06 4:40	
2-Nitrophenol		ND	38000	430	µg/Kg-dry 10	01/31/06 4:40	
3,3 <sup>°</sup> -Dichlorob	enzidine	ND	75000	<del>9</del> 30	µg/Kg-dry 10	01/31/06 4:40	
3-Nitroaniline		ND	190000	1300	µg/Kg-dry 10	01/31/06 4:40	
4,6-Dinitro-2-n	nethylphenol	ND	190000	3100	µg/Kg-dry 10	01/31/06 4:40	
4-Bromopheny	yl phenyl ether	ND	38000	260	µg/Kg-dry 10	01/31/06 4:40	
4-Chloro-3-me	ethylphenol	ND	38000	300	µg/Kg-dry 10	01/31/06 4:40	
4-Chloroanilin	e	ND	38000	460	µg/Kg-dry 10	01/31/06 4:40	
4-Chloropheny	yl phenyl ether	ND	38000	290	µg/Kg-dry 10	01/31/06 4:40	
4-Methylphend	ol	ND	38000	220	µg/Kg-dry 10	01/31/06 4:40	
4-Nitroaniline		. ND	190000	630	µg/Kg-dry 10	01/31/06 4:40	
4-Nitrophenol	•	ND	190000	15 <b>00</b>	µg/Kg-dry 10	01/31/06 4:40	
Acenaphthene		ND	38000	130	µg/Kg-dry 10	01/31/06 4:40	
Acenaphthyle:	ne	ND	38000	170	µg/Kg-dry 10	01/31/06 4:40	
Aniline		ND	38000	470	µg/Kg-dry 10	01/31/06 4:40	
Anthracene		ND	38000	150	µg/Kg-dry 10	01/31/06 4:40	
Benzo[a]anthr	аселе	ND	38000	160	µg/Kg-dry 10	01/31/06 4:40	
Benzo[a]pyrer	ne	ND	38000	190	µg/Kg-dry 10	01/31/06 4:40	
Benzo[b]fluora		ND	38000	270	µg/Kg-dry 10	01/31/06 4:40	
Benzo[g.h,l]pe	erylene	ND	38000	190	µg/Kg-dry 10	01/31/06 4:40	
Qualifiers:	B Analyte detected in th	e associated Metho	d Blank		ne exceeds the instrument cal	ibration range	
•	H Holding times for prej	antion of anotheria	manadad	Ј Ала	lyte detected below the PQL		

East Syracuse, NY 130	57 (315)	437-0200		StateCertNo: 10155				
CLIENT: O'Brien & Gere Engine roject: Geneva Foundry V Order: 0601049 fatrix: SOIL	eers, Inc.		Lab ID: Client San Collection Date Rece	nple ID: <i>B1</i> Date: 01/	<b>01049-(</b> <b>7-28-S</b> /11/06 1: /12/06 7:	5:10		
nst. ID: MS05 26 ColumnID: ZB-5	Sample Size: %Moisture:	12.3	PrepDate: BatchNo:	237	13/06 8: 74/R438 A-N396	1		
evision: 01/31/06 10:37:14 A	TestCode: Result Qua	8270S TAGML	FileID: MDL	Units	DF	Date Analyzed		
	· · · · · · · · · · · · · · · · · · ·							
EMIVOLATILE ORGANIC COMPO			8270C		SW3550			
enzo[k]fluoranthene	ND	38000	240	µg/Kg-dry		01/31/06 4:40		
enzoic acid	ND	190000	12000	µg/Kg-dry		01/31/06 4:40		
enzyl alcohol	ND	38000	420	µg/Kg-dry		01/31/06 4:40		
s(2-Chloroethoxy)methane	ND	38000	140	µg/Kg-dry		01/31/06 4:40		
s(2-chioroethyl)ether	ND	38000	220	µg/Kg-dry		01/31/06 4:40		
s(2-chloroisopropyl)ether	ND	38000	220	µg/Kg-dry		01/31/06 4:40		
s(2-Ethylhexyl)phthalate	ND	38000	1200	µg/Kg-dry		01/31/06 4:40		
ityi benzyi phthalate	ND	38000	250	µg/Kg-dry		01/31/06 4:40		
nrysene	ND	38000	180	µg/Kg-dry	-	01/31/06 4:40		
-n-butyl phthalate	ND	38000 "	310	µg/Kg-dry		01/31/06 4:40		
-n-octyl phthalate	ND	38000	180	µg/Kg-dry		01/31/06 4:40		
benz[a,h]anthracene	ND	38000	150	µg/Kg-dry		01/31/06 4:40		
benzofuran	ND	38000	170	µg/Kg-dry		01/31/06 4:40		
ethyl phthalate	ND	38000	270	µg/Kg-dry		01/31/06 4:40		
methyl phthalate	ND	38000	190	µg/Kg-dry		01/31/06 4:40		
uoranthene	ND	38000	170	µg/Kg-dry		01/31/06 4:40		
uorene	ND	38000	190	µg/Kg-dry		01/31/06 4:40		
exachlorobenzene	ND	38000	.300	µg/Kg-dry	10	01/31/06 4:40		
exachlorobutadiene	ND	38000	400	µg/Kg-dry	10	01/31/06 4:40		
exachlorocyclopentadiene	ND	38000	1500	µg/Kg-dry	10	01/31/06 4:40		
exachloroethane	ND	38000	410	µg/Kg-dry	10	01/31/06 4:40		
teno[1,2,3-cd]pyrene	ND	38000	150	µg/Kg-dry	10	01/31/06 4:40		
ophorone	ND	38000	180	µg/Kg-dry		01/31/06 4:40		
Nitroso-di-n-propylamine	ND	38000	320	µg/Kg-dry		01/31/06 4:40		
Nitrosodiphenylamine	ND	38000	180	µg/Kg-dry		01/31/06 4:40		
aphthalene	ND	38000	110	µg/Kg-dry		01/31/06 4:40		
trobenzene	ND	38000	230	µg/Kg-dry		01/31/06 4:40		
entachlorophenoi	ND	190000	3100	µg/Kg-dry		01/31/06 4:40		
enanthrene	ND	38000	140	µg/Kg-dry		01/31/06 4:40		
nenol	ND	38000	150	µg/Kg-dry		01/31/06 4:40		
rene	ND	38000	180	µg/Kg-dry		01/31/06 4:40		
Surr: 2,4,6-Tribromophenol	0	20-143	0	%REC	10	01/31/06 4:40		
Surr: 2-Fluorobiphenyt	0	46-130	0	%REC	10	01/31/06 4:40		
Surr. 2-Fluorophenol	0	22-130	0	%REC	10	01/31/06 4:40		
Surr. Nitrobenzene-d5	0	39-130	0	%REC	10	01/31/06 4:40		
ualifiers: B Analyte detected in th	e associated Metho	d Blank	E Value	exceeds the instr	ument cali	ibration range		
H Holding times for pre			J Analyt	e detected below	the POL			

#### **Analytical Results** Life Science Laboratories, Inc. LSL 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200 StateCertNo: 10155 **CLIENT:** O'Brien & Gere Engineers, Inc. Lab ID: 0601049-015B **Project:** Geneva Foundry Client Sample ID: BH-28-S

**Collection Date:** 

Date Received:

01/11/06 15:10

01/12/06 7:50

Inst. ID: MS05 26 ColumnID: ZB-5 Revision: 01/31/06 10:37:14 A	Sample Size: 30 g %Moisture: 12.3 TestCode: 8270S TAGML	PrepDate: BatchNo: FileD:	01/13/06 8:14 2374/R4381 1-RA-N3963.I	
Analyte	Result Qual PQL	MDL U	nits DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPC	OUNDS BY GC/MS SW	/8270C	(SW3550B)	

Surr: Phenol-d5 01/31/06 4:40 0 33-130 %REC 10 0 Surr: Terphenyl-d14 01/31/06 4:40 0 0 %REC 10 36-146 NOTES:

Surrogates were diluted.

W Order:

Matrix:

Elevated detection limits due to matrix interference.

0601049

SOIL

#### Qualifiers:

Analyte detected in the associated Method Blank В Holding times for preparation or analysis exceeded н

ND Not Detected at the Practical Quantitation Limit (PQL)

- S Spike Recovery outside accepted recovery limits
- Ε Value exceeds the instrument calibration range
- J Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit P

CLIENT:	O'Brien & Gere Engine	ers, Inc.		Lab	Lab ID: 0601049-016B			
Project:	Geneva Foundry				ent Sample ID: BH-28-D			
W Order:	0601049				lection Date: 01/11/061			
Matrix:	SOIL			Dat	e Received: 01/12/06 7:	50		
Inst. ID:	MS05 26	Sample Size:	: 30 g	Pre	<b>pDate:</b> 01/13/06 8:	14 A		
ColumnID:		%Moisture:			chNo: 2374/R4380	)		
Revision:	01/31/06 10:20:40 A	TestCode:	8270S TAGM	L File	ED: 1-SAMP-N	3932.D		
Analyte		Result Qu	al PQL	MD	L Units DF	Date Analyze		
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC/	'MS S'	<b>N8270</b>	C (SW3550	B)		
1,2,4-Trichlord		ND	410	3.3	µg/Kg-dry 1	01/27/06 22:08		
,2-Dichlorobe	enzene	ND	410	2.9	µg/Kg-dry 1	01/27/06 22:08		
1,3-Dichlorobe	enzene	ND	410	2.0	µg/Kg-dry 1	01/27/06 22:08		
1,4-Dichlorobe	enzene	ND	410	2.4	μg/Kg-dry 1	01/27/06 22:08		
2,4,5-Trichlord	phenol	ND	2100	41	µg/Kg-dry 1	01/27/06 22:08		
2,4,6-Trichloro	phenol	ND	410	3.8	μg/Kg-dry 1	01/27/06 22:08		
4-Dichloroph	enol	ND	410	3.8	μg/Kg-dry 1	01/27/06 22:08		
4-Dimethyip	henol	ND	410	3.5	µg/Kg-dry 1	01/27/06 22:08		
,4-Dinitrophe	nol	ND	2100	75	µg/Kg-dry 1	01/27/06 22:08		
,4-Dinitrotolu	ene	ND	410	3.4	µg/Kg-dry 1	01/27/06 22:08		
,6-Dinitrotolu	ene	ND	410	4.0	µg/Kg-dry 1	01/27/06 22:08		
-Chloronapht	halene	ND	410	2.0	μg/Kg-dry 1	01/27/06 22:08		
-Chlorophend	bi <sub>.</sub>	ND	410	2.7	µg/Kg-dry 1	01/27/06 22:08		
-Methylnapht	halene	ND	410	2.0	μg/Kg-dry 1	01/27/06 22:08		
-Methylphend	bi	ND	410	2.5	μg/Kg-dry 1	01/27/06 22:08		
-Nitroaniline		ND ND	2100	4.4	µg/Kg-dry 1	01/27/06 22:08		
-Nitrophenol	•	ND	410	4.7	µg/Kg-dry 1	01/27/06 22:08		
,3'-Dichlorob	enzidine	ND	820	10	µg/Kg-dry 1	01/27/06 22:08		
-Nitroaniline	· · · · · · · · · · · · · · · · · · ·	ND	2100	14	µg/Kg-dry 1	01/27/06 22:08		
,6-Dinitro-2-m	nethylphenol	ND	2100	34	µg/Kg-dry 1	01/27/06 22:08		
-Bromopheny	l phenyl ether	ND	410	2.9	µg/Kg-dry 1	01/27/06 22:08		
-Chloro-3-me	• •	ND	410	3.3	µg/Kg-dry 1	01/27/06 22:08		
-Chloroaniline	9	ND	410	5.0	µg/Kg-dry 1	01/27/06 22:08		
-Chloropheny	l phenyl ether	ND	410	3,1	µg/Kg-dry 1	01/27/06 22:08		
-Methylpheno		ND	410	2.4	µg/Kg-dry 1	01/27/06 22:08		
-Nitroaniline		ND	2100	6.9	µg/Kg-dry 1	01/27/06 22:08		
-Nitrophenol		ND	2100	16	µg/Kg-dry 1	01/27/06 22:08		
cenaphthene	· ·	ND	410	1.5	µg/Kg-dry 1	01/27/06 22:08		
cenaphthyler	e	ND	410	1.6	µg/Kg-dry 1	01/27/06 22:08		
niline		ND	410	5.1	µg/Kg-dry 1	01/27/06 22:08		
nthracene	•	ND	410	1.7	µg/Kg-dry 1	01/27/06 22:08		
enzo[a]anthra	acene	ND	410	1.8	µg/Kg-dry 1	01/27/06 22:08		
enzo[a]pyren	e	ND	410	2.1	µg/Kg-dry 1	01/27/06 22:08		
enzo[b]fluora	nthene	ND	410	3.0	µg/Kg-dry 1	01/27/06 22:08		
enzo[g,h,l]pe	rylene	ND	410	2.1	μg/Kg-dry 1	01/27/06 22:08		
Qualifiers:	B Analyte detected in the	associated Metho	d Blank	E	Value exceeds the instrument calib	ration range		
	H Holding times for prep	aration or analysis	exceeded	ĩ	Analyte detected below the PQL			
	ND Not Detected at the Pra	actical Quantitation	1 Limit (POL)	Р	Prim./Conf. column %D or RPD ex	rceeds limit		

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID:         0601049-016B           Client Sample ID:         BH-28-D           Collection Date:         01/11/06 15:20           Date Received:         01/12/06 7:50			
inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:20:40 A	Sample Size %Moisture: TestCode:		PrepDa BatchN FileID:	lo: 2374/R438	0	
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyze	
SEMIVOLAT	ILE ORGANIC COMP	OUNDS BY GC	'MS SW	8270C	(SW3550	B)	
Benzo[k]fluora	nthene	ND	410	2.6	µg/Kg-dry 1	01/27/06 22:08	
Эелzoic acid		ND	2100	130 ·	µg/Kg-dry 1	01/27/06 22:08	
Senzyi alcohol		ND	410	4.6	µg/Kg-dry 1	01/27/06 22:08	
	noxy)methane	ND	410	1.6	µg/Kg-dry 1	01/27/06 22:08	
ois(2-chloroeth		ND	410	2.4	µg/Kg-dry 1	01/27/06 22:08	
is(2-chloroiso	· · · ·	ND	410	2.4	µg/Kg-dry 1	01/27/06 22:08	
is(2-Ethylhex		ND	410	14	µg/Kg-dry 1	01/27/06 22:08	
iutyi benzyl pl	thalate	ND	410	2.7	µg/Kg-dry 1	01/27/06 22:08	
hrysene		45 J	410	2.0	µg/Kg-dry i	01/27/06 22:08	
ii-n-butyl phth		ND	410	3.4	µg/Kg-dry 1	01/27/06 22:08	
i-n-octyl phth		ND	410	2.0	µg/Kg-dry 1	01/27/06 22:08	
ibenz[a,h]ant	hracene	ND	410	1.7	µg/Kg-dry 1	01/27/06 22:08	
libenzofuran		ND	410	1.8	µg/Kg-dry 1	01/27/06 22:08	
iethyl phthala		ND	410	3.0	µg/Kg-dry 1	01/27/06 22:08	
imethyl phtha	late	ND	410	2.1	µg/Kg-dry 1	01/27/06 22:08	
luoranthene		ND	410	1.9	µg/Kg-dry 1	01/27/06 22:08	
luorene		ND	410	2.1	µg/Kg-dry 1	01/27/06 22:08	
lexachlorober	-	ND	410	3.3	µg/Kg-dry 1	01/27/06 22:08	
lexachlorobut		ND	410	4.4	µg/Kg-dry 1	01/27/06 22:08	
lexachlorocyc	•	ND	410	16	µg/Kg-dry 1	01/27/06 22:08	
lexachloroeth		ND	410	4.4	µg/Kg-dry 1	01/27/06 22:08	
ndeno[1,2,3-c	djpyrene	ND	410	1.7	µg/Kg-dry 1	01/27/06 22:08	
sophorone		ND	410	2.0	µg/Kg-dry 1	01/27/06 22:08	
l-Nitroso-di-n-		ND	410	3.5	µg/Kg-dry 1	01/27/06 22:08	
I-Nitrosodiphe	nylamine	ND	410	2.0	µg/Kg-dry 1	01/27/06 22:08	
iaphthalene		ND	410	1.2	µg/Kg-dry 1	01/27/06 22:08	
litrobenzene		ND	410	2.5	µg/Kg-dry 1	01/27/06 22:08	
entachloroph		ND	2100	34	µg/Kg-dry 1	01/27/06 22:08	
henanthrene henol		ND	410	1.5	µg/Kg-dry 1	01/27/06 22:08	
		ND	410	1.7	µg/Kg-dry 1	01/27/06 22:08	
yrene Surr: 2.4.6.1	ribromonhonol	ND 122	410	2.0	µg/Kg-dry 1 %B⊑c 1	01/27/06 22:08 01/27/06 22:08	
Surr: 2-Fluo	nibromophenol robiohenvi	132	20-143	0	%REC 1		
Sur: 2-Fluo		95.6 71.2	46-130	0	%REC 1	01/27/06 22:08	
Sur: 2-Fluo Sur: Nitrobe	-	71.2 76.3	22-130 39-130	0 0	%REC 1 %REC 1	01/27/06 22:08 01/27/06 22:08	
Qualifiers:	B Analyte detected in t	he associated Metho	od Blank	E Valu	e exceeds the instrument cali	bration range	
•	H Holding times for pre				lyte detected below the PQL	-	
ND Not Detected at the Pra							

LSL	Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200			StateCertNo: 10155			
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Sample ID Collection Date: Date Received:	0601049 BH-28-, 01/11/06 01/12/06	<b>D</b> 15:20	
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:20:40 A	Sample Size: %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:	01/13/06 2 2374/R43 1-SAMP-3	80	
Analyte		Result Qua	I PQL	MDL Uni	ts DF	Date Analyzed	

36-146

109

0

Qualifiers:

Surr: Terphenyl-d14

H Holding times for preparation or analysis exceeded

 ND
 Not Detected at the Practical Quantitation Limit (PQL)

 S
 Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

%REC

1

01/27/06 22:08

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

В

Project Supervisor: Thomas A. Alexander

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CLIENT:	O'Brien & Gere Engine	eers. Inc	Lab ID: 0601049-016B					
Project:	Geneva Foundry				ent Sample ID: BH-28-D			
W Order:	0601049	·			ollection Date: 01/11/06 15:20			
Matrix:	SOIL			Dat	e Received: 01/12/06 7:5	i0		
Inst. ID:	MS05 26	Sample Size:	30 p	Pre	pDate: 01/13/06 8:1	4 A		
ColumnID:		%Moisture:	-		cbNo: 2374/R4381			
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAGML			LD		
Analyte		Result Qu	al PQL	MD	L Units DF	Date Analyze		
SEMIVOLAT	ILE ORGANIC COMPO	OUNDS BY GC/	MS SV	/82700	C (SW3550E	3)		
,2,4-Trichlord	benzene	ND	410	3.3	µg/Kg-dry 1	01/30/06 21:47		
,2-Dichlorobe	nzene	ND	410	2.9	µg/Kg-dry 1	01/30/06 21:47		
,3-Dichlorobe	enzene	· ND	410	2.0	μg/Kg-dry 1	01/30/06 21:47		
,4-Dichlorobe	enzene	ND	410	2.4	µg/Kg-dry 1	01/30/06 21:47		
2,4,5-Trichlord	phenol	ŅD	2100	41	µg/Kg-dry 1	01/30/06 21:47		
2,4,6-Trichlord	phenol	ND	410	3.8	µg/Kg-dry 1	01/30/06 21:47		
4-Dichloroph	епо!	ND	410	3.8	µg/Kg-dry 1	01/30/06 21:47		
4-Dimethylp	henol	ND	410	3.5	µg/Kg-dry 1	01/30/06 21:47		
4-Dinitrophe	nol	ND	2100	75	µg/Kg-dry 1	01/30/06 21:47		
4-Dinitrotolu	ene	ND	410	3.4	µg/Kg-dry 1	01/30/06 21:47		
,6-Dinitrotolu	ene	ND	410	4.0	µg/Kg-dry 1	01/30/06 21:47		
-Chloronaphi	halene	ND	410	2.0	µg/Kg-dry 1	01/30/06 21:47		
-Chlorophene	bl .	ND.	410	2.7	µg/Kg-dry 1	01/30/06 21:47		
-Methylnapht	halene	ND	410	2.0	µg/Kg-dry 1	01/30/06 21:47		
-Methylphen	ol	ND	410	2.5	µg/Kg-dry 1	01/30/06 21:47		
-Nitroaniline		ND ·	2100	4.4	μg/Kg-dry 1	01/30/06 21:47		
-Nitrophenol		ND	410	4.7	µg/Kg-dry 1	01/30/06 21:47		
,3'-Dichlorob	enzidine	ND	820	10	µg/Kg-dry 1	01/30/06 21:47		
-Nitroaniline		ND	2100	14	µg/Kg-dry 1	01/30/06 21:47		
,6-Dinitro-2-n	nethylphenol	. ND	2100	34	µg/Kg-dry 1	01/30/06 21:47		
-Bromopheny	yi phenyi ether	ND	410	2.9	µg/Kg-dry 1	01/30/06 21:47		
-Chloro-3-me	ethylphenol	ND	410	3.3	µg/Kg-dry 1	01/30/06 21:47		
-Chloroanilin	e	ND	410	5.0	µg/Kg-dry 1	01/30/06 21:47		
-Chloropheny	/I phenyl ether	ND	410	3.1	µg/Kg-dry 1	01/30/06 21:47		
-Methylphene		ND	410	2.4	µg/Kg-dry 1	01/30/06 21:47		
-Nitroaniline		ND	2100	6.9	µg/Kg-dry 1	01/30/06 21:47		
-Nitrophenol		ND	2100	16	µg/Kg-dry 1	01/30/06 21:47		
cenaphthene	9	ND	410	1.5	µg/Kg-dry 1	01/30/06 21:47		
cenaphthyle		ND	410	1.8	µg/Kg-dry 1	01/30/06 21:47		
Iniline		ND	410	5.1	µg/Kg-drý 1	01/30/06 21:47		
nthracene		ND	410	1.7	µg/Kg-dry 1	01/30/06 21:47		
enzo[a]anthr	acene	ND	410	1.8	µg/Kg-dry 1	.01/30/06 21:47		
Benzo[a]pyrer	ne .	ND	410	2.1	µg/Kg-dry 1	01/30/06 21:47		
Benzo[b]fluora		ND	410	3.0	µg/Kg-dry 1	01/30/06 21:47		
Benzo[g,h,i]pe	•	ND	410	2.1	μg/Kg-dry 1	01/30/06 21:47		
Qualifiers:	B Analyte detected in th	e associated Metho	d Blank	E	Value exceeds the instrument calib	ration range		
	H Holding times for pre			J	Analyte detected below the PQL			
	ND Not Detected at the Pr	-		Р	Prim/Conf. column %D or RPD er	ceeds limit		
	S Spike Recovery outsid	de accepted recover	y limits					

	)'Brien & Gere Engine	eers, Inc.	•	Lab II		16B
	Seneva Foundry				Sample ID: BH-28-D	
	601049				tion Date: 01/11/06 15	
	OIL				teceived: 01/12/06 7:	
	<b>1</b> S05 26	Sample Size:		PrepD		
ColumnID: Z		%Moisture:		Batchl		
Revision: 0	1/31/06 10:37:14 A	TestCode:	8270S TAGM	L FileID	: 1-RA-N395	2.D
nalyte		Result Qu	al PQL	MDL	Units DF	Date Analyze
EMIVOLATIL	E ORGANIC COMPO	UNDS BY GC/	MS S	W8270C	(SW3550)	B)
enzo[k]fluoranti	hene	ND	410	2.6	µg/Kg-dry 1	01/30/06 21:47
enzoic add		ND	2100	130	µg/Kg-dry 1	01/30/06 21:47
enzyl alcohol	·	ND ND	410	4.6	μg/Kg-dry 1	01/30/06 21:47
is(2-Chloroetho	xy)methane	ND	410	1.6	µg/Kg-dry 1	01/30/06 21:47
is(2-chloroethyl)	)ether	ND	410	2.4	µg/Kg-dry 1	01/30/06 21:47
is(2-chloroisopr	· · · ·	ND	410	2.4	µg/Kg-dry 1	01/30/06 21:47
s(2-Ethylhexyl)	phthalate	ND	410	14	µg/Kg-dry 1	01/30/06 21:47
utyl benzyl phth	nalate	ND	410	2.7	µg/Kg-dry 1	01/30/06 21:47
hrysene		ND	410	2.0	µg/Kg-dry 1	01/30/06 21:47
i-n-butyl phthala	ate	ND	410	3.4	· µg/Kg-dry 1	01/30/06 21:47
-n-octyl phthala	ate	ND	410	2.0	µg/Kg-dry 1	01/30/06 21:47
ibenz[a,h]anthn	acene	ND	410	1.7	µg/Kg-dry 1	01/30/06 21:47
ibenzofuran	·	ND	410	1.8	µg/Kg-dry 1	01/30/06 21:47
iethyl phthalate		ND	410	3.0	µg/Kg-dry 1	01/30/06 21:47
imethyl phthaia	te	ND	410	<b>2</b> .1	µg/Kg-dry 1	01/30/06 21:47
luoranthene		ND	410	1.9	µg/Kg-dry 1	01/30/06 21:47
uorene		ND	410	2.1	µg/Kg-dry 1	01/30/06 21:47
exachicrobenze	ene	ND	410	3.3	µg/Kg-dry 1	01/30/06 21:47
exachlorobutad	iene	ND	410	4.4	µg/Kg-dry 1	01/30/06 21:47
exachlorocyclop	· · · · · · · · · · · · · · · · · · ·	ND	410	16	µg/Kg-dry 1	01/30/06 21:47
exachloroethan		ND	410	4.4	µg/Kg-dry 1	01/30/06 21:47
deno[1,2,3-cd]p	ругеле	ND	410	1.7	µg/Kg-dry 1	01/30/06 21:47
ophorone	• .	ND	410	2.0	µg/Kg-dry 1	01/30/06 21:47
-Nitroso-di-n-pn	opylamine	ND	410	3.5	µg/Kg-dry 1	01/30/06 21:47
-Nitrosodipheny		ND	410	2.0	µg/Kg-dry 1	01/30/06 21:47
aphthalene		ND	410	1.2	µg/Kg-dry 1	01/30/06 21:47
itrobenzene		ND	410	2.5	µg/Kg-dry 1	01/30/06 21:47
entachlorophen	ol	ND	2100	34	μg/Kg-dry 1	01/30/06 21:47
henanthrene		ND	410	1.5	µg/Kg-dry 1	01/30/06 21:47
henol		ND	410	1.7	µg/Kg-dry 1	01/30/06 21:47
/rene		ND	410	2.0	μg/Kg-dry 1	01/30/06 21:47
Sun: 2,4,6-Trit	oromophenol	133	20-143	0	%REC 1	01/30/06 21:47
Surr: 2-Fluorot	•	104	46-130	0	%REC 1	01/30/06 21:47
Surr: 2-Fluorop	· · ·	75.3	22-130	0	%REC 1	01/30/06 21:47
Surr: Nitrobena		86.1	39-130	0	%REC 1	01/30/06 21:47
malifar	B Analyte detected in th	e associated Metho	d Blank	E Va	lue exceeds the instrument calib	ration range
Zuamici S.	H Holding times for prep				alyte detected below the PQL	
	recome conce tor biel	manysis or analysis	CANCELL	- 740	man detected below nic 1 GP	

#### **Analytical Results**

E	East Syracuse, NY 13057 (315) 437-0200					StateCertNo: 10155			
CLIENT:	O'Brien & Gere Engin	eers, Inc.	· · · ·	Lab ID:		0601049-0	16B		
Project:	Geneva Foundry	-		Client Sam	le ID:	BH-28-D			
W Order:	0601049	· .		Collection I	)ate:	01/11/06 15	:20		
Matrix:	SOIL			Date Receiv	ed:	01/12/06 7::	50		
Inst. ID:	MS05 26	Sample Size	: 30 g	PrepDate:		01/13/06 8:1	14 A		
ColumnID:	ZB-5	%Moisture		BatchNo:		2374/R4381			
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAGM	L FileD:		1-RA-N3952	2.D		
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed		
SEMIVOLAT	ILE ORGANIC COMPO	OUNDS BY GC	/MS S	W8270C		(SW35501	B)		
Surr: Pheno		70.3	33-130	0	%REC	•	01/30/06 21:47		

Sur: Phenol-d5	70.3	33-130	0	%REC	. 1	. 01/30/06 21:47
Surr: Terphenyl-d14	110	36-146	0	%REC	1.	01/30/06 21:47

Qualifiers:

Analyte detected in the associated Method Blank

н Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range Ε

J · Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit Р

В

CLIENT: O'Brien & Gere Engin	eers, Inc.		Lab ID: 0601049-017B			
Project: Geneva Foundry	•			le ID: BH-29-S	-	
W Order: 0601049			Collection D			
Matrix: SOIL		-	Date Receive	ed: 01/12/06 7:50	)	
Inst. ID: MS05 26	Sample Size:	30 g	PrepDate:	01/13/06 8:14	A	
ColumnID: ZB-5	%Moisture:	12.3	<b>BatchNo:</b>	2374/R4380	-	
Revision: 01/31/06 10:20:40 A	TestCode:	8270S TAGML	FileID:	1-SAMP-N39	33.D	
Analyte	Result Qua	I PQL	MDL	Units DF	Date Analyze	
SEMIVOLATILE ORGANIC COMPO	DUNDS BY GC/N	is sw	8270C	(SW3550B)	, .	
1,2,4-Trichlorobenzene	ND	380	3.0	µg/Kg-dry 1	01/27/06 22:45	
1,2-Dichlorobenzene	ND	380	2.7	µg/Kg-dry 1	01/27/06 22:45	
1,3-Dichlorobenzene	ND	380	1.8	µg/Kg-dry 1	01/27/06 22:45	
1,4-Dichlorobenzene	ND	380	2.2	µg/Kg-dry 1	01/27/06 22:45	
2,4,5-Trichlorophenoi	ND	1900	37	µg/Kg-dry 1	01/27/06 22:45	
4,6-Trichlorophenol	ND .	380	3.5	µg/Kg-dry 1	01/27/06 22:45	
4-Dichlorophenol	ND	380	3.5	µg/Kg-dry 1	01/27/06 22:45	
,4-Dimethylphenol	ND	380	3.2	µg/Kg-dry 1	01/27/06 22:45	
,4-Dinitrophenol	ND	1900	69	µg/Kg-dry 1	01/27/08 22:45	
,4-Dinitrotoluene	ND	380	3.1	µg/Kg-dry 1	01/27/06 22:45	
,6-Dinitrotoluene	ND	380	3.6	µg/Kg-dry 1	01/27/06 22:45	
-Chloronaphthalene	ND	380	1.8	µg/Kg-dry 1	01/27/06 22:45	
-Chlorophenol	ND	380	2.5	µg/Kg-dry 1	01/27/06 22:45	
-Methylnaphthalene	47 J	380	1.8	µg/Kg-dry 1	01/27/06 22:45	
-Methylphenol	ND	380	2.3	µg/Kg-dry 1	01/27/06 22:45	
-Nitroaniline	ND	1900	4.0	µg/Kg-dry 1	01/27/06 22:45	
-Nitrophenol	ND	380	4.3	µg/Kg-dry 1	01/27/06 22:45	
,3 <sup>-</sup> -Dichlorobenzidine	ND	750	9.3	µg/Kg-dry 1	01/27/06 22:45	
-Nitroaniline	ND	1900	13	µg/Kg-dry 1	01/27/06 22:45	
,6-Dinitro-2-methylphenol	ND	1900	31	µg/Kg-dry 1	01/27/06 22:45	
Bromophenyl phenyl ether	ND	380	2.6	µg/Kg-dry 1	01/27/06 22:45	
-Chloro-3-methylphenol	ND	380	3.0	µg/Kg-dry 1	01/27/06 22:45	
-Chloroaniline	ND	380	4.6	µg/Kg-dry 1	01/27/06 22:45	
-Chlorophenyl phenyl ether	ND	380	2.9	µg/Kg-dry 1	01/27/06 22:45	
-Methylphenol	ND	380	2.2	µg/Kg-dry 1	01/27/06 22:45	
-Nitroaniline	ND	1900	6.3	µg/Kg-dry 1	01/27/06 22:45	
-Nitrophenol	ND	1900	15	µg/Kg-dry 1	01/27/06 22:45	
cenaphthene	ND	380	1.3	µg/Kg-dry 1	01/27/06 22:45	
cenaphthylene	77 J	380	1.7	µg/Kg-dry 1	01/27/06 22:45	
niline	ND	380	4.7	µg/Kg-dry 1	01/27/06 22:45	
nthracene	130 J	380	1.5	µg/Kg-dry 1	01/27/06 22:45	
enzo[a]anthracene	480	380	1.6	µg/Kg-dry 1	01/27/06 22:45	
enzo[a]pyrene	470	380	1.9	µg/Kg-dry 1	01/27/06 22:45	
lenzo[b]fluoranthene	730	380	2.7	µg/Kg-dry 1	01/27/06 22:45	
enzo[g,h,l]perylene	230 J	380	1.9	µg/Kg-dry 1	01/27/06 22:45	
Qualifiers: B Analyte detected in th	e associated Method	Blank	E Value exce	eds the instrument calibrat	tion range	
H Holding times for pre				tected below the PQL		
ND Not Detected at the P			•	f. column %D or RPD exce	æds limit	
S Spike Recovery outside accepted recovery limits						

			•
Ana	10 J B	- M	14 4
A		~ ~	
	-		

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID:         0601049-017B           Client Sample ID:         BH-29-S           Collection Date:         01/11/06 16:05           Date Received:         01/12/06 7:50			
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:20:40 A	Sample Size %Moisture: TestCode:	-	PrepDate BatchNo: FileID:	237	/13/06 8:14 74/R4380 SAMP-N39	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC	MS SW	8270C	(	SW3550B	)
Benzó[k]fiuora	nthene	280 J	380	2.4	μg/Kg-dry		01/27/06 22:45
Benzoic acid		ND	1900	120	µg/Kg-dry		01/27/06 22:45
Benzyl alcohol		ND	380	4.2	µg/Kg-dry	1	01/27/06 22:45
is(2-Chloroet	hoxy)methane	ND	380	1.4	µg/Kg-dry		01/27/06 22:45
ois(2-chloroeth	iyi)ether	ND	380	2.2	µg/Kg-dry		01/27/06 22:45
ois(2-chloroisc	propyl)ether	ND	380	2.2	µg/Kg-dry		01/27/06 22:45
ois(2-Ethylhex	yi)phthalate	180 J	380	12	µg/Kg-dry		01/27/06 22:45
Butyl benzyl pl	hthalate	ND	380	2.5	µg/Kg-dry		01/27/06 22:45
Chrysene		560	380	1.8	µg/Kg-dry	1	01/27/06 22:45
Di-n-butyl phth	alate	110 J	380	3.1	µg/Kg-dry	1.	01/27/06 22:45
Di-n-octyl phth	alate	ND	380	1.8	µg/Kg-dry	1	01/27/06 22:45
Dibenz[a,h]ant	hracene	. 81 J	380	1.5	µg/Kg-dry	1	01/27/06 22:45
Dibenzofuran		49 J	380	1.7	µg/Kg-dry	1	01/27/06 22:45
Diethyl phthala	ite	ND	380	2.7	µg/Kg-dry	1 .	01/27/06 22:45
Dimethyl phtha	alate	ND	380	1.9	µg/Kg-dry	1	01/27/06 22:45
luoranthene		1200	380	1.7	µg/Kg-dry	<b>1</b> ·	01/27/06 22:45
Fluorene		53 J	380	1.9	µg/Kg-dry	1	01/27/06 22:45
-lexachlorober	zene	ND	380	3.0	µg/Kg-dry	1	01/27/06 22:45
lexachiorobut	adiene	ND	380	4.0	µg/Kg-dry	1	01/27/06 22:45
lexachlorocyc	lopentadiene	. ND	380	15	µg/Kg-dry	1	01/27/06 22:45
lexachloroeth	ane	ND	380	4.1	µg/Kg-dry	1	01/27/06 22:45
ndeno[1,2,3-c	d]pyrene	160 J	380	1.5	µg/Kg-dry		01/27/06 22:45
sophorone		ND	380	1.8	µg/Kg-dry		01/27/06 22:45
N-Nitroso-di-n-	propylamine	ND	380	3.2	µg/Kg-dry		01/27/06 22:45
N-Nitrosodiphe	enylamine	ND	380	1.8	µg/Kg-dry	1	01/27/06 22:45
aphthalene		43 J	380	1.1	µg/Kg-dry		01/27/06 22:45
Vitrobenzene		ND	380	2.3	µg/Kg-dry		01/27/06 22:45
Pentachloroph	enol	ND	1900	31	µg/Kg-dry		01/27/06 22:45
Phenanthrene		820	380	1.4	µg/Kg-dry	1	01/27/06 22:45
Phenol		ND	380	1.5	µg/Kg-dry	1	01/27/06 22:45
yrene		1100	380	1.8	µg/Kg-dry	1	01/27/06 22:45
Surr: 2,4,6-1	Fribromophenol	90.0	20-143	0	%REC	1	01/27/06 22:45
Surr: 2-Fluo	robiphenyl	87.6	46-130	0	%REC	1	01/27/06 22:45
Surr: 2-Fluo	rophenol	58.4	22-130	0	%REC	1	01/27/06 22:45
Surr: Nitrobe	enzene-d5	65.3	39-130	0	%REC	1	01/27/06 22:45
Qualifiers:	B Analyte detected in th	e associated Metho	od Blank	E Value o	xceeds the instru	ument calibra	ation range
	H Holding times for prep	varation or analysis	s exceeded	J Analyte	e detected below	the PQL	
	ND Not Detected at the Practical Quantitation Limit			P Prim./C	onf. column %I	) or RPD exe	ceeds limit

#### **Analytical Results**

E	ast Syracuse, NY 130	57 (315)	437-0200		S	StateCertN	<b>b:</b> 10155
CLIENT: O'Brien & Gere Engine Project: Geneva Foundry W Order: 0601049 Matrix: SOIL		ers, Inc.		Lab ID: Client Sample ID: Collection Date: Date Received:		0601049-017B BH-29-S 01/11/06 16:05 01/12/06 7:50	
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:20:40 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: FileID:		01/13/06 8 2374/R438 1-SAMP-N	0
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLAT		DUNDS BY GC/ 56.1	MS SV 33-130	<b>/8270C</b>	%REC	(SW3550	<b>)B)</b> 01/27/06 22:45
Surr: Terphenyl-d14		109	36-146	0	%REC	C 1	01/27/06 22:45

Qualifiers:

Analyte detected in the associated Method Blank В

Holding times for preparation or analysis exceeded

Η ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits Ε Value exceeds the instrument calibration range

Analyte detected below the PQL J

Prim./Conf. column %D or RPD exceeds limit Р

CLIENT: O'Brien & Gere Engineers, Inc.				Lab ID: 0601049-017B				
Project:				Client Sample ID: BH-29-S				
W Order:	0601049			Coll	<b>Collection Date:</b> 01/11/06 16:05			
Matrix:	SOIL			Date Received: 01/12/06 7:50				
Inst. ID:	MS05 26	Sample Size: 30 g %Moisture: 12.3			PrepDate:         01/13/06 8:14 A           BatchNo:         2374/R4381			
ColumnID:	ZB-5							
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAGML	File	<b>D:</b> 1-RA-N3961.	<b>D</b> .		
Analyte		Result Qu	al PQL	MDI	L Units DF	Date Analyzed		
SEMIVOLAT	TILE ORGANIC COMPO	UNDS BY GC/	MS SW	82700	C (SW3550B)	)		
1,2,4-Trichlord	benzene	ND	380	3.0	µg/Kg-dry 1	01/31/06 3:25		
1,2-Dichlorobe	anzene	ND	380	2.7	µg/Kg-dry 1	01/31/06 3:25		
1,3-Dichlorobe	enzene	ND	380	1.8	µg/Kg-dry 1	01/31/06 3:25		
1,4-Dichlorobe	enzene	ND	380	2.2	µg/Kg-dry 1	01/31/06 3:25		
2,4,5-Trichloro		ND	1900	37	µg/Kg-dry 1	01/31/06 3:25		
2,4,6-Trichlord		ND	380	3.5	µg/Kg-dry 1	01/31/06 3:25		
2,4-Dichloroph	ionol	ND	380	3.5	µg/Kg-dry 1	01/31/06 3:25		
2,4-Dimethylp		ND	380	3.2	µg/Kg-dry 1	01/31/06 3:25		
2,4-Dinitrophe		ND	1900	69	µg/Kg-dry 1	01/31/06 3:25		
2,4-Dinitrotolu	ene	ND	380	3.1	µg/Kg-dry 1	01/31/06 3:25		
2,6-Dinitrotolu	епе	ND	380	3.6	µg/Kg-dry 1	01/31/06 3:25		
2-Chloronapht		ND	380	1.8	µg/Kg-dry 1	01/31/06 3:25		
2-Chloropheno		ND	380	2.5	µg/Kg-dry 1	01/31/06 3:25		
2-Methylnapht		40 J	380	1.8	µg/Kg-dry 1	01/31/06 3:25		
2-Methylphend		ND	380	2.3	µg/Kg-dry 1	01/31/06 3:25		
2-Nitroaniline		ND	1900	4.0	μg/Kg-dry 1	01/31/06 3:25		
2-Nitrophenol		ND	380	4.3	μg/Kg-dry 1	01/31/06 3:25		
3,3'-Dichlorob	enzidine	ND	750	9.3	µg/Kg-dry 1	01/31/06 3:25		
3-Nitroaniline		ND	1900	13	µg/Kg-dry 1	01/31/06 3:25		
4,6-Dinitro-2-n	nethviohenol	ND	1900	31	µg/Kg-dry 1	01/31/06 3:25		
	yl phenyl ether	ND	380	2.6	µg/Kg-dry 1	01/31/06 3:25		
4-Chloro-3-me		ND	380	3.0	μg/Kg-dry 1	01/31/06 3:25		
4-Chloroanilin		ND	380	4.6	µg/Kg-dry 1	01/31/06 3:25		
	∽ ∕i phenyi ether	ND	380	2.9	µg/Kg-dry 1	01/31/06 3:25		
4-Methylphend		ND	380	2.2	µg/Kg-dry 1	01/31/06 3:25		
4-Nitroaniline		ND	1900	6.3	µg/Kg-dry î	01/31/06 3:25		
4-Nitrophenol		ND	1900	15	µg/Kg-dry 1	01/31/06 3:25		
Acenaphthene	<b>a</b>	ND	380	1.3	µg/Kg-dry 1	01/31/06 3:25		
Acenaphinylene		70 J	380	1.7	µg/Kg-dry 1	01/31/06 3:25		
Aniline		ND	380	4.7	µg/Kg-dry 1	01/31/06 3:25		
Anthracene		110 J	380	1.5	µg/Kg-dry 1	01/31/06 3:25		
Benzo[a]anthracene		480	380	1.6	μg/Kg-dry 1	01/31/06 3:25		
Benzo[a]pyrene		490	380	1.9	µg/Kg-dry 1	01/31/06 3:25		
Benzo[b]fi⊔oranthene		790	380	2.7	μg/Kg-dry 1	01/31/06 3:25		
Benzo[g,h,i]perviene		240 J	380	1.9	µg/Kg-dry 1	01/31/06 3:25		
		e accordated Matha	d Blank	E	Value exceeds the instrument calibra	ntion range		
Qualifiers:		associated Method Blank			Analyte detected below the PQL	wion ImiPa		
. 1 a		reparation or analysis exceeded						
		actical Quantitation Limit (PQL) e accepted recovery limits		P	Prim./Conf. column %D or RPD exceeds limit			

**Analytical Results** 

V Order: (	Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID:         0601049-017B           Client Sample ID:         BH-29-S           Collection Date:         01/11/06 16:05           Date Received:         01/12/06 7:50			
Column <b>ID:</b> 2	MS05 26 ZB-5 01/31/06 10:37:14 A	Sample Size: %Moisture: TestCode:	—	PrepDate: BatchNo: FileID:	01/13/06 8: 2374/R438 1-RA-N396	1	
nalyte	***	Result Qu	· · · · · · · · · · · · · · · · · · ·	MDL	Units DF	Date Analyze	
EMIVOLATI	LE ORGANIC COMPO	UNDS BY GC/	MS SV	V8270C	(SW3550	B)	
enzo[k]fluoran		280 J	380	2.4	µg/Kg-dry 1	01/31/06 3:25	
enzoic acid		ND	1900	120	µg/Kg-dry 1	01/31/06 3:25	
enzyl alcohol		ND	380	4.2	µg/Kg-dry 1	01/31/06 3:25	
is(2-Chloroetho	oxy)methane	ND	380	1.4	µg/Kg-dry 1	01/31/06 3:25	
is(2-chloroethy		ND	380	2.2	µg/Kg-dry 1	01/31/06 3:25	
s(2-chloroisop	•	ND	380	2.2	µg/Kg-dry 1	01/31/06 3:25	
ois(2-Eihylhexyl)phthalate		210 J	380	12	µg/Kg-dry 1	01/31/06 3:25	
utyl benzyl pht		ND	380	2.5	µg/Kg-dry 1	01/31/06 3:25	
hrysene		550	380	1.8	µg/Kg-dry 1	01/31/06 3:25	
Di-n-butyl phthalate		110 J	380	3.1	µg/Kg-dry 1	01/31/06 3:25	
i-n-octyl phtha		ND	380	1.8	µg/Kg-dry 1	01/31/06 3:25	
Dibenz[a,h]anthracene		82 J	380	1.5	µg/Kg-dry 1	01/31/06 3:25	
Dibenzofuran		50 J	380	1.7	µg/Kg-dry 1	01/31/06 3:25	
iethyl phthalate	8	ND	380	2.7	µg/Kg-dry 1	01/31/06 3:25	
imethyl phthala		ND	380	1.9	µg/Kg-dry 1	01/31/06 3:25	
uoranthene		1100	380	1.7	µg/Kg-dry 1	01/31/06 3:25	
luorene		51 J	380	1.9	μg/Kg-dry 1	01/31/06 3:25	
exachlorobenz	еле	ND	380	3.0	μg/Kg-dry 1	01/31/06 3:25	
exachlorobuta		ND	380	4.0	μg/Kg-dry 1	01/31/06 3:25	
exachiorocyclo		ND	380	15	µg/Kg-dry 1	01/31/06 3:25	
exachloroetha	-	ND	380	4.1	μg/Kg-dry 1	01/31/06 3:25	
deno[1,2,3-cd]		140 J	380	4.1 1.5	μg/Kg-dry 1	01/31/06 3:25	
ophorone	hhiene	ND	380	1.5	μg/Kg-dry 1	01/31/06 3:25	
-	mpulamino	ND	380	1.0 3.2	μg/Kg-dry 1	01/31/06 3:25	
N-Nitroso-di-n-propylamine							
-Nitrosodiphen	yannie	ND 40 J	380	1.8	µg/Kg-dry 1	01/31/06 3:25 01/31/06 3:25	
aphthalene itrobenzene		40 J	380	1.i	µg/Kg-dry 1		
	!	ND	380	2.3	µg/Kg-dry 1	01/31/06 3:25	
Pentachlorophenoi		ND	1900	31	µg/Kg-dry 1	01/31/06 3:25	
Phenanthrene		800	380	1.4	µg/Kg-dry 1	01/31/06 3:25	
Phenol		ND	380	1.5	µg/Kg-dry 1	01/31/06 3:25	
		1200	380	1.8	µġ/Kg-dry 1	01/31/06 3:25	
Surr: 2,4,6-Tribromophenol		80.6	20-143	0	%REC 1	01/31/06 3:25	
Surr: 2-Fluorobiphenyl		97.8	46-130	0	%REC 1	01/31/06 3:25	
Surr: 2-Fluorophenol		64.1	22-130	0	%REC 1	01/31/06 3:25	
Surr: Nitrober	izene-d5	70.1	39-130	C	%REC 1	01/31/06 3:25	
Qualifiers:	B Analyte detected in th	e associated Metho	d Blank	E Value e	ceeds the instrument cali	bration range	

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**Analytical Results** 

01/31/06 3:25

E	ast Syracuse, NY 130	57 (315	) 437-0200			S	stateCertI	<b>to:</b> 10	0155
CLIENT:	O'Brien & Gere Engine	eers, Inc.			Lab ID:		0601049	-017]	B
Project:	Geneva Foundry				<b>Client Samp</b>	le D:	BH-29-	S	
W Order:	0601049				<b>Collection D</b>	ate:	01/11/06	16:05	
Matrix:	SOIL				Date Receive	ed:	01/12/06	7:50	
Inst. ID:	MS05 26	Sample Size	: 30 g		<b>PrepDate:</b>	•	01/13/06	8:14 /	A.
ColumnID:	ZB-5	%Moisture:	-	-	BatchNo:		2374/R43	81	
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAG	ML	FileID:		1-RA-N3	961.D	
Analyte		Result Qu	al PQL		MDL	Units	DF	•	Date Analyzed
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC	/MS	SW8	3270C		(SW35	50B)	
Sur: Pheno	ol-d5	64.1	33-130		0	%REC	2 1	-	01/31/06 3:25

36-146

0

%REC

1

Qualifiers:

Surr: Terphenyl-d14

В Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Ë Value exceeds the instrument calibration range

Analyte detected below the PQL J

Prim./Conf. column %D or RPD exceeds limit Р

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	ast Syracuse, NY 130		437-0200						
CLIENT:	O'Brien & Gere Engin	eers, Inc.		Lab		8B			
Project:	Geneva Foundry				nt Sample ID: BH-29-D				
W Order:	0601049		·		<b>Collection Date:</b> 01/11/06 16:20				
Matrix:	SOIL			Dat	Date Received: 01/12/06 7:50				
lnst. ID:	MS05 26	Sample Size:	: 30 g	Pre	pDate: 01/13/06 8:14	A.			
ColumnID:	ZB-5	%Moisture:	20.4		chNo: 2374/R4380				
Revision:	01/31/06 10:20:40 A	TestCode:	8270S TAGML	File	<b>D:</b> 1-SAMP-N39	934.D			
Analyte		Result Qu	al PQL	MD	L Units DF	Date Analyze			
SEMIVOLAT	ILE ORGANIC COMPO	OUNDS BY GC/	MS SW	82700	C (SW3550B)				
,2,4-Trichlord	benzene	ND	410	3.3	µg/Kg-dry 1	01/27/06 23:23			
,2-Dichlorobe	enzene	ND	410	2.9	µg/Kg-dry 1	01/27/06 23:23			
,3-Dichlorobe	enzene	ND	410	2.0	µg/Kg-dry 1	01/27/06 23:23			
,4-Dichlorobe		ND	410	2.4	µg/Kg-dry 1	01/27/06 23:23			
2,4,5-Trichloro	phenol	ND	2100	41	µg/Kg-dry 1	01/27/06 23:23			
2,4,6-Trichlord	•	ND	410	3.9	µg/Kg-dry 1	01/27/06 23:23			
.4-Dichloroph	nenol	ND	410	3.8	µg/Kg-dry 1	01/27/06 23:23			
,4-Dimethylpl		ND	410	3.5	µg/Kg-dry 1	01/27/06 23:23			
,4-Dinitrophe		ND	2100	76	µg/Kg-dry 1	01/27/06 23:23			
4-Dinitrotolu	ene	ND	410	3.5	µg/Kg-dry 1	01/27/06 23:23			
6-Dinitrotolu	еле	ND	410	4.0	µg/Kg-dry 1	01/27/06 23:23			
-Chloronapht		ND	410	2.0	µg/Kg-dry 1	01/27/06 23:23			
-Chlorophend		ND	410	2.7	µg/Kg-dry 1	01/27/06 23:23			
Methylnapht		ND	410	2.0	µg/Kg-dry 1	01/27/06 23:23			
-Methyiphend		ND	410	2.6	µg/Kg-dry 1	01/27/06 23:23			
2-Nitroaniline		ND	2100	4.4	µg/Kg-dry 1	01/27/06 23:23			
-Nitrophenol		ND	410	4.8	µg/Kg-dry 1	01/27/06 23:23			
,3'-Dichlorob	enzidine	ND	830	10	µg/Kg-dry 1	01/27/06 23:23			
Nitroaniline		ND	2100	14	µg/Kg-dry 1	01/27/06 23:23			
,6-Dinitro-2-n	nethviphenoi	ND	2100	34	µg/Kg-dry 1	01/27/06 23:23			
	/l phenyl ether	ND	410	2.9	μg/Kg-dry 1	01/27/06 23:23			
-Chloro-3-me		ND	410	3.3	µg/Kg-dry 1	01/27/06 23:23			
Chloroanilin	• •	ND	410	5.1	µg/Kg-dry 1	01/27/06 23:23			
-	- /I phenyl ether	ND	410	3.2	µg/Kg-dry 1	01/27/06 23:23			
-Methylphend		ND	410	2.4	μg/Kg-dry 1	01/27/06 23:23			
-Nitroaniline		ND	2100	6.9	µg/Kg-dry 1	01/27/06 23:23			
-Nitrophenol		ND	2100	17	μg/Kg-dry 1	01/27/06 23:23			
cenaphthene	3	/ ND	410	1.5	µg/Kg-dry 1	01/27/06 23:23			
cenaphthyler		ND	410	1.9	μg/Kg-dry 1	01/27/06 23:23			
niline		ND	410	5.2	µg/Kg-dry 1	01/27/06 23:23			
Anthracene		ND	410	1.7	μg/Kg-dry 1	01/27/06 23:23			
Benzo[a]anthr	acene	ND	410	1.8	µg/Kg-dry 1	01/27/06 23:23			
lenzo[a]pyren		ND	410	2.1	µg/Kg-dry 1	01/27/06 23:23			
Senzo[b]fluora		ND	410	3.0	µg/Kg-dry 1	01/27/06 23:23			
Senzo[g,h,l]pe		ND	410	2.1	µg/Kg-dry 1	01/27/06 23:23			
0	B Analyte detected in the	be associated Metho	d Biank	E	Value exceeds the instrument calibra	ation range			
Qualifiers:	•		associated Method Blank aration or analysis exceeded		Analyte detected below the PQL				
				· P	•	eeds limit			
			actical Quantitation Limit (PQL)		Prim./Conf. column %D or RPD exceeds limit				

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL			Clie Col Dat	Lab ID:         0601049-018B           Client Sample ID:         BH-29-D           Collection Date:         01/11/06 16:20           Date Received:         01/12/06 7:50			
Inst. ID: ColumnID:		Sample Size %Moisture:	: 20.4	Bat	pDate: 01/13/06 8: chNo: 2374/R438	0		
Revision:	01/31/06 10:20:40 A	TestCode:	8270S TAGM			<u></u>		
Analyte	<u> </u>	Result Qu	ial PQL	MD	L Units DF	Date Analyze		
	ILE ORGANIC COMP			W8270	•	B)		
Benzo[k]fluora	nthene	ND ·	410	2.7	µg/Kg-dry 1	01/27/06 23:23		
Benzoic acid		ND	2100	130	µg/Kg-dry 1	01/27/06 23:23		
Benzyl alcohol		ND	410	4.6	µg/Kg-dry 1	01/27/06 23:23		
-	noxy)methane	ND	410	1.6	µg/Kg-dry 1	01/27/06 23:23		
ois(2-chloroeth	• •	ND	410	2.4	µg/Kg-dry 1	01/27/06 23;23		
ois(2-chloroiso		ND	410	2.4	µg/Kg-dry 1	01/27/06 23:23		
ois(2-Ethylhex		ND	410	14	µg/Kg-dry 1	01/27/06 23:23		
Butyl benzyl pl	nthalate	ND	410	2.7	μg/Kg-dry 1	01/27/06 23:23		
Chrysene		ND	410	2.0	µg/Kg-dry 1	01/27/06 23:23		
)i-n-butyl phth	alate	ND	410	3.5	µg/Kg-dry 1	01/27/06 23:23		
)i-n-octyl phth	alate	ND	410	2.0	µg/Kg-dry 1	01/27/06 23:23		
ibenz[a,h]ant	hracene	ND	410	1.7	µg/Kg-dry 1	01/27/06 23:23		
benzofuran		ND	410	1.8	µg/Kg-dry 1	01/27/06 23:23		
Diethyl phthala	te	ND ·	410	3.0	µg/Kg-dry 1	01/27/06 23:23		
Dimethyl phtha	late	ND	410	2.1	μg/Kg-dry 1	01/27/06 23:23		
luoranthene	<u>.</u> .	ND	410	1.9	🗀 μg/Kg-dry 1	01/27/06 23:23		
luorene		ND	410	2.1	µg/Kg-dry 1	01/27/06 23:23		
lexachiorober	zene	ND	410	3.3	µg/Kg-dry 1	01/27/06 23:23		
lexachlorobut	adiene	ND	410	4.4	µg/Kg-dry 1	01/27/06 23:23		
lexachlorocyc	lopentadiene	ND	410	16	μg/Kg-dry 1	01/27/06 23:23		
lexachloroeth:	ane	ND	410	4.5	µg/Kg-dry 1	01/27/06 23:23		
ndeno[1,2,3-c	d]pyrene	ND	410	1.7	µg/Kg-dry 1	01/27/06 23:23		
sophorone		ND	410	2.0	µg/Kg-dry 1	01/27/06 23:23		
I-Nitroso-di-n-	propylamine	ND	410	3.6	µg/Kg-dry 1	01/27/06 23:23		
I-Nitrosodiphe	nylamine	ND	410	2.0	μg/Kg-dry 1	01/27/06 23:23		
laphthalene		ND	410	1.3	µg/Kg-dry 1	01/27/06 23:23		
litrobenzene		ŇD	410	2.5	µg/Kg-dry 1	01/27/06 23:23		
entachloroph	enol	ND	2100	35	µg/Kg-dry 1	01/27/06 23:23		
henanthrene		ND	410	1.5	µg/Kg-dry 1	01/27/06 23:23		
henol	• • • •	ND	410	1.7	µg/Kg-dry 1	01/27/06 23:23		
yrene		ND	410	2.0	µg/Kg-dry 1	01/27/06 23:23		
Surr: 2,4,6-7	ribromophenol	124	20-143	0	%REC 1	01/27/06 23:23		
Surr: 2-Fluo	-	92.3	46-130	0	%REC 1	01/27/06 23:23		
Surr: 2-Fluo		66.6	22-130	0	%REC 1	01/27/06 23:23		
Surr: Nitrobe	•	77.5	39-130	0	%REC 1	01/27/06 23:23		
Qualifiers:	B Analyte detected in th	e associated Metho	od Blank	E	Value exceeds the instrument cali	bration range		
244111C13;	H Holding times for pre			J	_			
•		actical Quantitation Limit (PQL)		P	Prim./Conf. column %D or RPD e	xceeds limit		
	S Spike Recovery outsi	=		-				

#### **Analytical Results**

E E	ast Syracuse, NY 130	57 (315)	437-0200		5	stateCertN	o: 10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Sam Collection Date Recei	Date:	0601049- BH-29-L 01/11/06 1 01/12/06 7	<b>)</b> 6:20
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:20:40 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: J FileID:		01/13/06 8 2374/R438 1-SAMP-N	0
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLAT Surr: Pheno	TILE ORGANIC COMPO	UNDS BY GC/ 62.1	MS SV 33-130	<b>V8270C</b>	%REC	(SW355(	<b>)B)</b> 01/27/06 23:23
Surr: Terph	enyl-d14	109	36-146	0	%REC	; 1	01/27/06 23:23

Qualifiers:

Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded

Н

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range Έ

Analyte detected below the PQL J

р Prim./Conf. column %D or RPD exceeds limit

·B

CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601049 Matrix: SOIL	Geneva Foundry : 0601049 SOIL				Lab ID:         0601049-018B           Client Sample ID:         BH-29-D           Collection Date:         01/11/06 16:20           Date Received:         01/12/06 7:50			
Inst. ID: MS05 26 ColumnID: ZB-5 Revision: 01/31/06 10:37:14 A	Sample Size: 30 g %Moisture: 20.4 TestCode: 8270	Ba	tchNo: 2	01/13/06 8:14 A 2374/R4381 1-RA-N3950.D				
Analyte	Result Qual P(	L MI	)L Units	DF	Date Analyzed			
SEMIVOLATILE ORGANIC COMPO	OUNDS BY GC/MS	SW8270	C	(SW3550B)				
,2,4-Trichlorobenzene	ND 410	) 3.3	µg/Kg-di	ry 1	01/30/06 20:32			
,2-Dichlorobenzene	ND 410	) 2.9	µg/Kg-di	ry 1	01/30/06 20:32			
,3-Dichlorobenzene	ND 410	) 2.0	µg/Kg-di	ry 1	01/30/06 20:32			
,4-Dichlorobenzene	ND 410	2.4	µg/Kg-di	ry 1 ∕	01/30/06 20:32			
2,4,5-Trichlorophenol	ND 210	0 41	µg/Kg-di	ry 1	01/30/06 20:32			
2,4,6-Trichlorophenol	ND 410	) 3.9	µg/Kg-di	ry 1	01/30/06 20:32			
4-Dichlorophenol	ND 410	) 3.8	µg/Kg-di	ry 1	01/30/06 20:32			
,4-Dimethylphenol	ND 410	) 3.5	μ <b>g/Kg-d</b> i	ry 1	01/30/06 20:32			
,4-Dinitrophenol	ND 210	0 76	µg/Kg-di	ry 1	01/30/06 20:32			
,4-Dinitrotoluene	ND 410	3.5	µg/Kg-di	ry 1	01/30/06 20:32			
,6-Dinitrotoluene	ND 410	4.0	µg/Kg-di	ry 1	01/30/06 20:32			
-Chloronaphthalene	ND 410	2.0	µg/Kg-di	ry 1	01/30/06 20:32			
-Chlorophenol	ND 410	) 2.7	µg/Kg-di	ry 1	01/30/06 20:32			
-Methylnaphthalene	ND 41(	2.0	µg/Kg-di	ry ∃1	01/30/06 20:32			
-Methylphenol	ND 410	2.6	μ <b>g/Kg-d</b>	ry 1	01/30/06 20:32			
-Nitroaniline	ND 210	0 4.4	µg/Kg-di	ry 1 · · ·	01/30/06 20:32			
-Nitrophenol	ND 410	4.8	µg/Kg-di	ry 1	01/30/06 20:32			
,3'-Dichlorobenzidine	ND 830	10	μg/Kg-di	iy 1	01/30/06 20:32			
-Nitroaniline	ND 21(	0 14	µg/Kg-d	ry 1	01/30/06 20:32			
,8-Dinitro-2-methylphenol	ND 210	0 34	µg/Kg-di	ry 1 .	01/30/06 20:32			
-Bromophenyl phenyl ether	ND 41(	2.9	µg/Kg-d	ry 1	01/30/06 20:32			
-Chloro-3-methylphenol	ND 410	3.3	µg/Kg-di	ry 1	01/30/06 20:32			
-Chloroaniline	ND 410	5.1	µg/Kg-di	ry 1	01/30/06 20:32			
-Chlorophenyi phenyi ether	ND 410	3.2	µg/Kg-di	ry 1	01/30/06 20:32			
-Methylphenol	ND 41(	2.4	µg/Kg-di	ry 1	01/30/06 20:32			
-Nitroaniline	ND 210	0 6.9	µg/Kg-di	ry 1	01/30/06 20:32			
-Nitrophenol	ND 210	0 17	µg/Kg-d	ry 1	01/30/06 20:32			
cenaphthene	ND 410	1.5	µg/Kg-di	ry 1	01/30/06 20:32			
cenaphthylene	ND 410	1.9	µg/Kg-di	ry 1	01/30/06 20:32			
niline	ND 41(	5.2	µg/Kg-di	ry 1	01/30/06 20:32			
nthracene	ND 410	1.7	µg/Kg-di	ry 1	01/30/06 20:32			
enzo[a]anthracene	ND 410	1.8	µg/Kg-di	ry 1	01/30/06 20:32			
enzo[a]pyrene	ND 410	2.1	µg/Kg-di	ry 1	01/30/06 20:32			
enzo[b]fluoranthene	ND 410	<b>3.0</b>	µg/Kg-di	ny 1	01/30/06 20:32			
ienzo[g,h,l]perylene	ND 410	2.1	µg/Kg-di	ry 1	01/30/06 20:32			
Qualifiers: B Analyte detected in the	ne associated Method Blan	c E	Value exceeds the ins	trument calibrati	ion range			
	paration or analysis exceed	ied J	Analyte detected belo	w the PQL	н <sup>н</sup>			
	ractical Quantitation Limit de accepted recovery limits		Prim./Conf. column 9	6D or RPD exce	eds limit			

#### Life Science Laboratories, Inc. **Analytical Results** 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200 StateCertNo: 10155 **CLIENT:** O'Brien & Gere Engineers, Inc. Lab ID: 0601049-018B **Project:** Geneva Foundry Client Sample ID: BH-29-D W Order: 0601049 Collection Date: 01/11/06 16:20 Matrix: SOIL Date Received: 01/12/06 7:50 Inst. ID: MS05 26 Sample Size: 30 g PrepDate: 01/13/06 8:14 A ColumnID: ZB-5 %Moisture: 20.4 **BatchNo:** 2374/R4381 **Revision:** 01/31/06 10:37:14 A TestCode: 8270S TAGML FileID: 1-RA-N3950.D Analyte **Result Qual POL** MDL Units DF **Date Analyzed** SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS SW8270C (SW3550B) Benzo[k]fluoranthene ND 410 2.7 µg/Kg-dry 1 01/30/06 20:32 Benzoic acid ND 2100 130 µg/Kg-dry 1 01/30/06 20:32 Benzyi alcohol ND 410 4.6 µg/Kg-dry 1 01/30/06 20:32 bis(2-Chloroethoxy)methane ND 410 1.6 µg/Kg-dry 1 01/30/06 20:32 bis(2-chloroethyl)ether ND 410 2.4 µg/Kg-dry 1 01/30/06 20:32 bis(2-chloroisopropyl)ether ND 410 2.4 µg/Kg-dry 1 01/30/06 20:32 bis(2-Ethylhexyl)phthalate ND 410 14 µg/Kg-dry 1 01/30/06 20:32 Butyl benzyl phthalate ND 2.7 410 µg/Kg-dry 1 01/30/06 20:32 Chrysene ND 410 2.0 µg/Kg-dry 1 01/30/06 20:32 Di-n-butyi phthalate ND 410 3.5 µg/Kg-dry 1 01/30/06 20:32 Di-n-octyl phthalate ND 410 2.0 µg/Kg-dry 1 01/30/06 20:32 Dibenz[a,h]anthracene ND 410 1.7 µg/Kg-dry 1 01/30/06 20:32 Dibenzofuran ND 410 1.8 µg/Kg-dry 1 01/30/06 20:32 Diethyl phthalate ND 410 3.0 µg/Kg-dry 1 01/30/06 20:32 Dimethyl phthalate ND 410 2.1 µg/Kg-dry 1 01/30/06 20:32 Fluoranthene ND 410 1.9 µg/Kg-dry 1 01/30/06 20:32 Fluorene ND 410 2.1 µg/Kg-dry 1 01/30/06 20:32 Hexachlorobenzene ND 410 3.3 µg/Kg-dry 1 01/30/06 20:32 Hexachlorobutadiene ND 410 4.4 µg/Kg-dry 1 01/30/06 20:32 Hexachlorocyclopentadiene ND 410 16 µg/Kg-dry 1 01/30/06 20:32 **Hexachloroethane** ND 410 4.5 µg/Kg-dry 1 01/30/06 20:32 Indeno[1,2,3-cd]pyrene ND 410 1.7 µg/Kg-dry 1 01/30/06 20:32 Isophorone ND 410 2.0 µg/Kg-dry 1 01/30/06 20:32 N-Nitroso-di-n-propylamine ND 410 3.6 µg/Kg-dry 1 01/30/06 20:32 N-Nitrosodiphenylamine ND 410 2.0 µg/Kg-dry 1 01/30/06 20:32 Naphthalene ND 410 1.3 µg/Kg-dry 1 01/30/06 20:32 Nitrobenzene ND 410 2.5 µg/Kg-dry 1 01/30/06 20:32 Pentachlorophenol ND 2100 35 µg/Kg-dry 1 01/30/06 20:32 Phenanthrene ND 410 1.5 µg/Kg-dry 1 01/30/06 20:32 Phenol ND 410 1.7 µg/Kg-dry 1 01/30/06 20:32

Print Date: 01/31/06 11:37

Surr: 2,4,6-Tribromophenol

B

н

S

Surr: 2-Fluorobiphenvi

Surr: 2-Fluorophenol

Surr: Nitrobenzene-d5

Pyrene

**Oualifiers:** 

2.0

n

0

0

0

Е

J

P

µg/Kg-dry 1

%REC

%REC

%REC

%REC

Analyte detected below the POL

1

1

1

1

Value exceeds the instrument calibration range

Prim./Conf. column %D or RPD exceeds limit

ND

119

98,7

74.5

86.5

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

Spike Recovery outside accepted recovery limits

410

20-143

46-130

22-130

39-130

01/30/06 20:32

01/30/06 20:32

01/30/06 20:32

01/30/06 20:32

01/30/06 20:32

#### **Analytical Results**

E	ast Syracuse, NY 130	57 (315)	StateCertNo: 10155				
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receiv	)ate:	<b>0601049-0</b> <b>BH-29-D</b> 01/11/06 16 01/12/06 7:	5:20
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:37:14 A	Sample Size: %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:		01/13/06 8: 2374/R4381 1-RA-N395	l
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLAT Surr: Pheno	TILE ORGANIC COMPO	UNDS BY GC/ 69.2	MS SW 33-130	8270C	%REC	(SW3550)	B) 01/30/06 20:32
Surr: Terph	enyl-d14	106	36-146	0	%REC	; 1	01/30/06 20:32

Qualifiers:

в Analyte detected in the associated Method Blank

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- Spike Recovery outside accepted recovery limits S
- Ε Value exceeds the instrument calibration range

J Analyte detected below the PQL ·

Prim./Conf. column %D or RPD exceeds limit P

**Analytical Results** 

Project: Geneva Found W Order: 0601049 Matrix: SOIL	re Engineers, Inc. Iry		Lab ID:         0601049-019B           Client Sample ID:         BH-34-S           Collection Date:         01/11/06 14:30           Date Received:         01/12/06 7:50			
nst. ID: MS05 26 ColumnID: ZB-5 Revision: 01/31/06 10:2	Sample Size %Moisture 0:40 A TestCode:	-	PrepDate BatchNo FileID:		0	
nalyte	Result Qu	al PQL	MDL	Units DF	Date Analyzed	
EMIVOLATILE ORGANIC	COMPOUNDS BY GC	/MS SW	/8270C	(SW3550	B)	
2,4-Trichlorobenzene	. ND	20000	160	µg/Kg-dry 10	01/28/06 1:15	
,2-Dichlorobenzene	ND	20000	140	µg/Kg-dry 10	01/28/06 1:15	
,3-Dichlorobenzene	ND	20000	97	µg/Kg-dry 10	01/28/06 1:15	
,4-Dichlorobenzene	ND	20000	120	µg/Kg-dry 10	01/28/06 1:15	
,4,5-Trichlorophenol	ND	100000	2000	µg/Kg-dry 10	01/28/06 1:15	
4,6-Trichlorophenol	· ND	20000	190	µg/Kg-dry 10	01/28/06 1:15	
4-Dichlorophenol	ND	20000	190	µg/Kg-dry 10	01/28/06 1:15	
4-Dimethylphenol	ND	20000	170	µg/Kg-dry 10	01/28/06 1:15	
4-Dinitrophenol	ND	100000	3700	µg/Kg-dry 10	01/28/06 1:15	
4-Dinitrotoluene	ND	20000	170	µg/Kg-dry 10	01/28/06 1:15	
,6-Dinitrotoluene	ND	20000	200	µg/Kg-dry 10	01/28/06 1:15	
-Chloronaphthalene	, ND	20000	97	µg/Kg-dry 10	01/28/06 1:15	
Chlorophenol	ND	20000	130	µg/Kg-dry 10	01/28/06 1:15	
Methylnaphthalene	ND	20000	98	µg/Kg-dry 10	01/28/06 1:15	
Methylphenol	ND	20000	130	µg/Kg-dry 10	01/28/06 1:15	
Nitroaniline	ND	100000	210	µg/Kg-dry 10	01/28/06 1:15	
Nitrophenol	ND	20000	230	µg/Kg-dry 10	01/28/06 1:15	
3'-Dichlorobenzidine	. ND	41000	500	µg/Kg-dry 10	01/28/06 1:15	
Nitroaniline	ND	100000	690	µg/Kg-dry 10	01/28/06 1:15	
6-Dinitro-2-methylphenol	ND	100000	1700	µg/Kg-dry 10	01/28/06 1:15	
Bromophenyl phenyl ether	ND	20000	140	µg/Kg-dry 10	01/28/06 1:15	
Chloro-3-methylphenol	ND	20000	160	µg/Kg-dry 10	01/28/06 1:15	
Chloroaniline	ND	20000	250	µg/Kg-dry 10	01/28/06 1:15	
Chlorophenyl phenyl ether	ND	20000	1 <del>6</del> 0	µg/Kg-dry 10	01/28/06 1:15	
Methylphenol	ND	20000	120	µg/Kg-dry 10	01/28/06 1:15	
Nitroaniline	ND	100000	340	µg/Kg-dry 10	01/28/06 1:15	
Nitrophenol	ND	100000	810	µg/Kg-dry 10	01/28/06 1:15	
cenaphthene	ND	20000	72	µg/Kg-dry 10	01/28/06 1:15	
cenaphthylene	ND	20000	91 050	µg/Kg-dry 10	01/28/06 1:15	
niline	ND	20000	250	µg/Kg-dry 10	01/28/06 1:15	
nthracene	ND	20000	83	µg/Kg-dry 10	01/28/06 1:15	
enzo[a]anthracene	ND	20000	87	µg/Kg-dry 10	01/28/06 1:15	
enzo[a]pyrene	ND	20000	100	µg/Kg-dry 10	01/28/06 1:15	
enzo[b]fluoranthene enzo[g,h,l]perylene	ND ND	20000	150	µg/Kg-dry 10	01/28/08 1:15	
eurofô'u'ilhei Aisus	ND	20000	100	µg/Kg-dry 10	01/28/06 1:15	
20010101010	ected in the associated Method		E Value exceeds the instrument calibration range			
<ul> <li>Holding times for preparation or analysis exceeded</li> <li>ND Not Detected at the Practical Quantitation Limit (PQL)</li> </ul>			J Analyt	e detected below the PQL		

S Spike Recovery outside accepted recovery limits

**Analytical Results** 

CLIENT:	O'Brien & Gere Engine	ers, Inc.		Lab ID:	060104	9-019B	
Project:	Geneva Foundry			Client Sau	nple ID: <i>BH-34</i>		
W Order:	0601049	•		Collection			
Matrix:	SOIL			Date Reco	eived: 01/12/0	6 7:50	
Inst. ID:	MS05 26	Sample Size	: 30 g	PrepDate	: 01/13/00	5 8:14 A	
ColumnID:		%Moisture:	18.6	<b>BatchNo:</b>			
Revision:	01/31/06 10:20:40 A	TestCode:	8270S TAGML	FileID:	1-SAMI	P-N3937.D	
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyze	
SEMIVOLAT	TILE ORGANIC COMPO	UNDS BY GC	'MS SW	8270C	(SW3)	550B)	
Benzo[k]fluora	Inthene	ND	20000	130	µg/Kg-dry 10	01/28/06 1:15	
Benzoic acid		ND	100000	6500	µg/Kg-dry 10	01/28/06 1:15	
Benzyl alcoho	l ·	ND	20000	230	µg/Kg-dry 10	01/28/06 1:15	
is(2-Chloroet	hoxy)methane	ND	20000	78	µg/Kg-dry 10	01/28/06 1:15	
ois(2-chloroetl		ND	20000	120	µg/Kg-dry 10	01/28/06 1:15	
ois(2-chloroisc	propyl)ether	ND	20000	120	µg/Kg-dry 10	01/28/06 1:15	
is(2-Ethylhex	yl)phthaiate	ND	20000	670	µg/Kg-dry 10	01/28/06 1:15	
Butyi benzyi p	hthalate	ND	20000	130	µg/Kg-dry 10	01/28/06 1:15	
hrysene		ND	20000	96	µg/Kg-dry 10	01/28/06 1:15	
)i-n-butyl phth	alate	ND	20000	170	µg/Kg-dry 10	01/28/06 1:15	
)i-n-octyl phth	alate	ND	20000	96	µg/Kg-dry 10	01/28/06 1:15	
ibenz[a,h]ani	hracene	ND	20000	82	µg/Kg-dry 10	01/28/06 1:15	
)ibenzofuran		ND	20000	89	µg/Kg-dry 10	01/28/06 1:15	
iethyi phthala	ite	ND	20000	150	µg/Kg-dry 10	01/28/06 1:15	
Dimethyi phtha	alate	ND	20000	100	μg/Kg-dry 10	01/28/06 1:15	
luoranthene		ND	20000	94	µg/Kg-dry 10	01/28/06 1:15	
luorene		ND	20000	100	µg/Kg-dry 10	01/28/06 1:15	
lexachlorober	izene	ND	20000	160	µg/Kg-dry 10	01/28/06 1:15	
lexachiorobut	adiene	ND	20000	220	µg/Kg-dry 10	01/28/06 1:15	
lexachlorocyc	lopentadiene	ND	20000	790	µg/Kg-dry 10	01/28/06 1:15	
lexachioroeth	ane	ND	20000	220	µg/Kg-dry 10	01/28/06 1:15	
ndeno[1,2,3-c	d]pyrene	ND	20000	82	µg/Kg-dry 10	01/28/06 1:15	
sophorone	,	ND	20000	98	µg/Kg-dry 10	01/28/06 1:15	
i-Nitroso-di-n-	propylamine	ND	20000	170	µg/Kg-dry 10	01/28/06 1:15	
I-Nitrosodiphe		ND	20000	96	µg/Kg-dry 10	01/28/06 1:15	
laphthalene		ND	20000	81	µg/Kg-dry 10	01/28/06 1:15	
litrobenzene		ND	20000	120	µg/Kg-dry 10	01/28/06 1:15	
entachloroph	елоі	ND	100000	1700	µg/Kg-dry 10	01/28/06 1:15	
henanthrene		ND	20000	73	µg/Kg-dry 10	01/28/08 1:15	
henol		ND	20000	83	µg/Kg-dry 10	01/28/06 1:15	
yrene		ND	20000	98	µg/Kg-dry 10	01/28/06 1:15	
Surr: 2,4,6-1	Tribromophenol	99.4	20-143	0	%REC 10	01/28/06 1:15	
Surr: 2-Fluo	•	93.0	46-130	0	%REC 10	01/28/06 1:15	
Surr: 2-Fluo	· · · · ·	60.1	22-130	0	%REC 10	01/28/06 1:15	
Surr: Nitrob	enzene-d5	72.5	39-130	0	%REC 10	01/28/06 1:15	
Qualifiers:	B Analyte detected in the	associated Metho	d Blank	E Value e	xceeds the instrument	calibration range	
Annuels:	H Holding times for prep			J Analyte detected below the PQL			
	ND Not Detected at the Pra	•			onf. column %D or RI	-	
	S Spike Recovery outsid	-					

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# Life Science Laboratories, Inc.

**Analytical Results** 

<b>SL</b>  5000	Brittonfield Parkway, Suite 200	
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	ast Syracuse, NY 130		StateCertNo: 10155					
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Cli Co	b ID: ent Sample II llection Date: te Received:	): <u>F</u>	601049-019 8H-34-S 1/11/06 14:3 1/12/06 7:50	0
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:20:40 A	Sample Size: %Moisture: TestCode:		Ba	epDate: tchNo: eID:	2	1/13/06 8:14 374/R4380 -SAMP-N39	•
Analyte		Result Qu	al PQL	MI	L Un	its	DF	Date Analyzed
SEMIVOLAT	TLE ORGANIC COMPO	UNDS BY GC/	MS	SW8270	C		(SW3550B)	
Sur: Pheno	ol-d5	58.7	33-130	0	%R	EC	10	01/28/06 1:15
Surr: Terpho	enyi-d14	123	36-146	0	%R	EC	10	01/28/06 1:15

Qualifiers:

- B Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded
- H ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Value exceeds the instrument calibration range È
- Analyte detected below the PQL J÷.
- Prim./Conf. column %D or RPD exceeds limit Р

**Analytical Results** 

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID:         0601049-019B           Client Sample ID:         BH-34-S           Collection Date:         01/11/06 14:30           Date Received:         01/12/06 7:50				
lnst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:37:14 A	Sample Size %Moisture: TestCode:		PrepDat BatchNo FileID:		1 .		
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed		
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC	MS SW	8270C	(SW3550	<b>IB)</b>		
,2,4-Trichloro		ND	20000	160	µg/Kg-dry 10	01/31/06 4:03		
,2-Dichlorobe	nzene	ND	20000	140	µg/Kg-dry 10	01/31/06 4:03		
,3-Dichlorobe	nzene	ND	20000	97	µg/Kg-dry 10	01/31/06 4:03		
,4-Dichlorobe	nzene	ND	20000	120	µg/Kg-dry 10	01/31/06 4:03		
4,5-Trichloro	phenol	ND	100000	2000	µg/Kg-dry 10	01/31/06 4:03		
,4,6-Trichloro		ND	20000	190	µg/Kg-dry 10	01/31/06 4:03		
4-Dichloroph	ело!	ND	20000	190	µg/Kg-dry 10	01/31/06 4:03		
,4-Dimethylph	nenol	ND	20000	170	µg/Kg-dry 10	01/31/06 4:03		
,4-Dinitropher	ol	ND	100000	3700	µg/Kg-dry 10	01/31/06 4:03		
,4-Dinitrotolue	ene	ND	20000	170	µg/Kg-dry 10	01/31/06 4:03		
,6-Dinitrotolue	ene	ND	20000	200	µg/Kg-dry 10	01/31/06 4:03		
-Chloronaphti	halene	ND	20000	97	µg/Kg-dry 10	01/31/06 4:03		
-Chloropheno	đ	ND	20000	130	µg/Kg-dry 10	01/31/06 4:03		
-Methylnaphti	nalene	ND	20000	98	µg/Kg-dry 10	01/31/06 4:03		
-Methylpheno	I	ND	20000	130 .	µg/Kg-dry 10	01/31/06 4:03		
-Nitroaniline		ND	100000	210	µg/Kg-dry 10	01/31/06 4:03		
-Nitrophenol		ND	20000	230	µg/Kg-dry 10	01/31/06 4:03		
,3'-Dichlorobe	enzidine	ND	41000	500	µg/Kg-dry 10	01/31/06 4:03		
-Nitroaniline		ND	100000	690	µg/Kg-dry 10	01/31/06 4:03		
,6-Dinitro-2-m	ethylphenol	ND	100000	1700	µg/Kg-dry 10	01/31/06 4:03		
	phenyl ether	ND	20000	140	µg/Kg-dry 10	01/31/06 4:03		
-Chloro-3-mei	• •	ND	20000	160	µg/Kg-dry 10	01/31/06 4:03		
-Chloroaniline		ND	20000	250	µg/Kg-dry 10	01/31/06 4:03		
	phenyl ether	ND	20000	160	µg/Kg-dry 10	01/31/06 4:03		
-Methylpheno		ND	20000	120	µg/Kg-dry 10	01/31/06 4:03		
-Nitroaniline		ND	100000	340	µg/Kg-dry 10	01/31/06 4:03		
-Nitrophenol		ND	100000	810	µg/Kg-dry 10	01/31/06 4:03		
cenaphthene		ND	20000	72	µg/Kg-dry 10	01/31/06 4:03		
cenaphthylen		ND	20000	91	µg/Kg-dry 10	01/31/06 4:03		
niline		ND	20000	250	µg/Kg-dry 10	01/31/06 4:03		
nthracene		ND	20000	83	µg/Kg-dry 10	01/31/06 4:03		
enzo[a]anthra	icene	ND	20000	87	µg/Kg-dry 10	01/31/06 4:03		
enzo[a]pyren		ND	20000	100	µg/Kg-dry 10	01/31/06 4:03		
enzo[b]fluoral		ND	20000	150	µg/Kg-dry 10	01/31/06 4:03		
lenzo[g,h,l]pe		ND	20000	100	µg/Kg-dry 10	01/31/06 4:03		
Qualifiers:	B Analyte detected in th	e associated Metho	od Blank	E Value	exceeds the instrument cali	bration range		
			variation or analysis exceeded		te detected below the PQL			

Print Date: 01/31/06 11:37

		ers, Inc.		Lab ID:         0601049-019B           Client Sample ID:         BH-34-S           Collection Date:         01/11/06 14:30           Date Received:         01/12/06 7:50				
Inst. ID: MS05 ColumnID: ZB-5 Revision: 01/31	5 26 /06 10:37:14 A	Sample Size: %Moisture: TestCode:	-	PrepDa BatchN FileID:	lo: 237	13/06 8 /4/R438 (A-N39)	51	
Analyte		Result Qua	al PQL	MDL	Units	DF	Date Analyze	
SEMIVOLATILE O	RGANIC COMPO	UNDS BY GC/	VIS SW	8270C	•	SW355(	)B)	
3enzo[k]fiuoranthene		ND	20000	130	µg/Kg-dry	10	01/31/06 4:03	
Benzoic acid		ND	100000	6500	µg/Kg-dry	10	01/31/06 4:03	
Benzyl alcohol		ND	20000	230	µg/Kg-dry	10	01/31/06 4:03	
is(2-Chloroethoxy)m		ND	20000	78	µg/Kg-dry	10	01/31/06 4:03	
is(2-chloroethyl)ethe		ND	20000	120	µg/Kg-dry	10	01/31/06 4:03	
is(2-chloroisopropyl)		ND	20000	120	µg/Kg-dry	10	01/31/06 4:03	
is(2-Ethylhexyl)phtha		ND	20000	670	µg/Kg-dry	10	01/31/06 4:03	
Butyl benzyl phthalate	)	ND	20000	130	µg/Kg-dry	-	01/31/06 4:03	
Chrysene		ND	20000	96	µg/Kg-dry	10	01/31/06 4:03	
Di-n-butyi phthalate		ND	20000	170	µg/Kg-drÿ	10	01/31/06 4:03	
)i-n-octyl phthalate		ND	20000	96	µg/Kg-dry	10	01/31/06 4:03	
Dibenz[a,h]anthracen	e .	ND	20000	82	µg/Kg-dry	10.	01/31/06 4:03	
Dibenzofuran		ND	20000	89	µg/Kg-dry	10	01/31/06 4:03	
Diethyl phthalate		ND	20000	150	µg/Kg-dry	10	01/31/06 4:03	
imethy! phthaiate		ND	20000	100	µg/Kg-dry	10	01/31/06 4:03	
luoranthene		ND	20000	94	µg/Kg-dry	10	01/31/06 4:03	
luorene		ND	20000	100	µg/Kg-dry	10	01/31/06 4:03	
lexachlorobenzene		ND	20000	160	µg/Kg-dry	10	01/31/06 4:03	
lexachlorobutadiene		ND	20000	220	µg/Kg-dry	10	01/31/06 4:03	
lexachlorocyclopenta	ldiene	ND	20000	790	µg/Kg-dry	10	01/31/06 4:03	
lexachloroethane		ND	20000	220	µg/Kg-dry	10	01/31/06 4:03	
ndeno[1,2,3-cd]pyren	e	ND	20000	82	µg/Kg-dry	10	01/31/06 4:03	
sophorone		ND	20000	98	µg/Kg-dry	10	01/31/06 4:03	
l-Nitroso-di-n-propyla	mine	ND	20000	170	µg/Kg-dry	10	01/31/06 4:03	
I-Nitrosodiphenylami	ne	ND	20000	96	µg/Kg-dry	.10	01/31/06 4:03	
laphthaiene		ND	20000	61	µg/Kg-dry	10	01/31/06 4:03	
litrobenzene		ND	20000	120	µg/Kg-dry	10	01/31/06 4:03	
entachlorophenol		ND	100000	1700	µg/Kg-dry	10	01/31/06 4:03	
henanthrene		ND	20000	73	μg/Kg-dry	10	01/31/06 4:03	
'henoi		ND	20000	83	µg/Kg-dry	10	01/31/06 4:03	
yrene		• ND	20000	98	µg/Kg-dry	10	01/31/06 4:03	
Surr. 2,4,6-Tribrom	ophenol	77.4	20-143	0	%REC	10	01/31/06 4:03	
Sur: 2-Fluorobiphe	nyl	86.5	46-130	0	%REC	10	01/31/06 4:03	
Surr: 2-Fluorophene	ol	57.7	22-130	0	%REC	10	01/31/06 4:03	
Surr: Nitrobenzene-	d5	68.5	39-130	0	%REC	10	01/31/06 4:03	
Qualifiers: B /	Analyte detected in the	associated Method	l Blank	E Value exceeds the instrument calibration range				
	lolding times for prep	aration or analysis exceeded		J Analyte detected below the PQL				
א מא	ND Not Detected at the Pro		actical Quantitation Limit (PQL) le accepted recovery limits		P Prim./Conf. column %D or RPD exceeds limit			

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**Analytical Results** 

01/31/06 4:03

E	ast Syracuse, NY 130	57 (315)	437-0200	<u> </u>	StateCertNo: 10155			
CLIENT:	O'Brien & Gere Engin	eers, Inc.	· · · · · · · · · · · · · · · · · · ·	Lab ID:		0601049-01	19B	
Project:	Geneva Foundry			Client Sam	Client Sample ID: BH-34-S			
W Order:	0601049		•	Collection I		01/11/06 14:	30	
Matrix:	SOIL			Date Receiv	ed:	01/12/06 7:5	0	
Inst. ID;	MS05 26	Sample Size	: 30 g	PrepDate:		01/13/06 8:14	4 A	
ColumnID:	ZB-5	%Moisture:	0	BatchNo:		2374/R4381		
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAG	ML FileID:		1-RA-N3962	.D	
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Units	DF	Date Analyzed	
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC/	MS	SW8270C		(SW3550B	)	
Surr: Pheno		54.7	33-130	0	%REC	•	01/31/06 4:03	

36-146

0

Qualifiers:

- Analyte detected in the associated Method Blank В Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- Value exceeds the instrument calibration range
- J Analyte detected below the PQL

%REC

10

- Р Prim./Conf. column %D or RPD exceeds limit
- S Spike Recovery outside accepted recovery limits

Surr: Terphenyl-d14

E

CLIENT: Project: W Order: Matrix: Inst. ID:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL MS05 26		20 -	Client Collec Date l	Lab ID:       0601049-020B         Client Sample ID:       BH-34-D         Collection Date:       01/11/06 14:40         Date Received:       01/12/06 7:50         PrepDate:       01/13/06 8:14 A			
ColumnID:		Sample Size %Moisture:	-	Batch				
Revision:	01/31/06 10:20:40 A	TestCode:	8.0 8270S TAGM					
Analyte	01/21/00 10:20:40 /1	Result Qu		MDL	Units DF	Date Analyze		
SEMIVOLAT		·		W8270C	(SW3550			
1,2,4-Trichloro		ND	360	2.8	μg/Kg-dry 1	01/28/06		
1,2-Dichlorobe		ND	360	2.5	μg/Kg-dry 1	01/28/06		
1,3-Dichlorobe		ND	360	1.7	μg/Kg-dry 1	01/28/06		
4-Dichlorobe		ND	360	2.1	µg/Kg-dry 1	01/28/06		
2,4,5-Trichloro		ND	1800	36	µg/Kg-dry 1	01/28/06		
2,4,6-Trichloro	•	ND	360	30 3.3	μg/Kg-dry 1	01/28/06		
2,4-Dichloroph	•	ND	360	3.3 3.3	µg/Kg-dry 1	01/28/06		
2,4-Dimethylpl		ND	360	3.1	µg/Kg-dry 1	01/28/06		
2,4-Dinitrophe		ND	1800	66	μg/Kg-dry 1	01/28/06		
2,4-Dinitrotolu		ND 1	360	3.0	µg/Kg-dry 1	01/28/06		
2,6-Dinitrotolu		ND	360	3.5	μg/Kg-dry 1	01/28/06		
2-Chioronapht		ND	360	3.5 1.7	μg/Kg-dry 1	01/28/06		
2-Chlorophene		ND	360	2.4	µg/Kg-dry 1	01/28/06		
-Methylnapht		760	360	2. <del>4</del> 1.7	µg/Kg-dry 1	01/28/06		
2-Methylpheno		590	360	2.2	µg/Kg-dry 1	01/28/06		
2-Nitroaniline		ND ND	1800	3.8	µg/Kg-dry 1	01/28/06		
2-Nitrophenol		ND	360	4.1	µg/Kg-dry 1	01/28/06		
3,3'-Dichlorob	enzidine	ND	720	8.9	μg/Kg-dry 1	01/28/06		
-Nitroaniline		ND	1800	0. <del>9</del> 12	µg/Kg-dry 1	01/28/06		
l,6-Dinitro-2-m	athviohanol	ND	1800	29	•	01/28/06		
	l phenyl ether	ND	360	29 2.5	µg/Kg-dry 1	01/28/06		
-Chloro-3-me	• •	ND	360	2.9 2.9	µg/Kg-dry 1	01/28/06		
-Chloroaniline	••	ND	360	2.9 4.4	µg/Kg-dry 1	01/28/06		
	i phenyl ether	ND	360	4.4 2.7	µg/Kg-dry 1	01/28/06		
-Methylpheno			-		µg/Kg-dry 1			
-Nitroaniline	И	ND	360	2.1	µg/Kg-dry 1	01/28/06 01/28/06		
-Nitrophenol		ND ND	1800 1800	6.0 14	µg/Kg-dry 1 µg/Kg-dry 1	01/28/06		
cenaphthene						01/28/06		
Cenaphthylen		· ND	360	1.3	µg/Kg-dry 1			
Aniline		ND	360	1.6	µg/Kg-dry 1	01/28/06		
Anthracene		ND	360	4.5 1 5	µg/Kg-dry 1	01/28/06		
	20000	ND AF 1	360	1.5	µg/Kg-dry 1	01/28/06		
Benzo[a]anthra		45 J	360	1.5 1 B	µg/Kg-dry 1	01/28/06		
Benzo[a]pyren Benzo[b]fluom		62 J	360	1.8 2.6	µg/Kg-dry 1	01/28/06		
Benzo[b]fluora Benzo[g,h,1]pe		94 J 65 J	360 360	2.6 1.8	· μg/Kg-dry 1 μg/Kg-dry 1	01/28/06 01/28/06		
~nzv[y,n,i]pe	· · · · · · · · · · · · · · · · · · ·	<u> </u>						
Qualifiers:	B Analyte detected in th				alue exceeds the instrument calib	ration range		
-	H Holding times for pre	-		J Analyte detected below th				
	ND Not Detected at the Pr	actical Quantitatio	n Limit (PQL)	P Pr	im./Conf. column %D or RPD e	cceeds limit		

CLIENT: Project: W Order: Matrix:	Gen 0601 SOII	Ĺ	eers, Inc.		Clic Col Dat	Lab ID:         0601049-020B           Client Sample ID: <i>BH-34-D</i> Collection Date:         01/11/06 14:40           Date Received:         01/12/06 7:50			
Inst. ID: ColumnID: Revision:	: ZB-:	95 26 5 1/06 10:20:40 A	Sample Size: %Moisture: TestCode:		Bat	tchNo: 2	2374/R	6 8:14 A 4380 P-N3935.D	
Analyte			Result Qu	al PQL	MD	L Units	DF	Date Analyze	
SEMIVOLA		ORGANIC COMPO	UNDS BY GC/	MS SI	V8270	C	(SW3	550B)	
Benzo[k]fluor	ranthen	e	ND	360	2.3	µg/Kg-(	iry 1	01/28/06	
Benzoic acid			ND	1800	110	µg/Kg-(	iry 1	01/28/06	
Benzyl alcoh	ol		ND	360	4.0	µg/Kg-c	iry 1	01/28/06	
ois(2-Chloroe	ethoxy)r	nethane	ND	360	1.4	΄ μg/Kg-α	iry 1	01/28/06	
ois(2-chloroe	• ·		ND	360	2.1	µg/Kg-(	-	01/28/06	
ois(2-chlorois	•••		ND	360	2.1	µg/Kg-c		01/28/06	
is(2-Ethylhe		-	190 J	360	12	µg/Kg-(		01/28/06	
Butyl benzyl j	• • •		ND	360	.2.4	µg/Kg-c	-	01/28/06	
hrysene			75 J	360	1.7	µg/Kg-c	iry 1	01/28/06	
)i-n-butyl phi	thalate		370	360	3.0	µg/Kg-(	-	01/28/06	
)i-n-octyl pht	thalate		ND	360	1.7	µg/Kg-o	dry 1	01/28/06	
)ibenz[a,h]ar		ne	ND	360	1.4	µg/Kg-(	•	01/28/06	
Dibenzofuran			73 J	360	1.6	μg/Kg-c		01/28/06	
iethyl phtha	late		ND	360	2.6	⊥µg/Kg-α	-	01/28/06	
imethyi phti			ND	360	1.8		-	01/28/06	
luoranthene			83 J	360	1.7	µg/Kg-o		01/28/06	
luorene			ND	360	1.8	µg/Kg-(	-	01/28/06	
iexachiorobe	enzene		ND	360	2.9	µg/Kg-c	•	01/28/06	
lexachlorobu		9	ND	360	3.8	μg/Kg-c		01/28/06	
lexachlorocy	yclopen	tadiene	ND	360	14	µg/Kg-c		01/28/06	
lexachloroet			ND	360	3.9	µg/Kg-c		01/28/06	
ndeno[1,2,3-		ne	ND	360	1.4	µg/Kg-c	-	01/28/06	
sophorone			ND	360	1.7	μg/Kg-α	-	01/28/06	
I-Nitroso-di-t	n-prodv	lamine	ND	360	3.1	μg/Kg-α	-	01/28/06	
-Nitrosodipt			ND	360	1.7	µg/Kg-∢	•	01/28/06	
laphthalene			2700	360	1.1	µg/Kg-		01/28/06	
litrobenzene			ND	360	2.2	µg/Kg⊣		01/28/06	
entachlorop			ND	1800	30	µg/Kg-(		01/28/06	
henanthren			480	360	1.3	µg/Kg⊣		01/28/06	
henol			61000 E	360	1.5	µg/Kg-(		01/28/06	
yrene			140 J	380	1.7	μg/Kg-		01/28/06	
Surr: 2,4,6	i-Tribror	nophenol	114	20-143	0	%REC		01/28/06	
Surr: 2-Flu		-	89.0	46-130	õ	%REC		01/28/06	
Surr: 2-Flu	-	•	63.8	22-130	õ	%REC	1	01/28/06	
Surr: Nitrol	-		72.6	39-130	0	%REC	1	01/28/06	
Qualifiers:	В	Analyte detected in th	e associated Metho	d Blank	E	Value exceeds the in	istrumen	t calibration range	
Cartine 04	Н	Holding times for pre			J	Analyte detected bel		—	
		Not Detected at the P	•		Р	Prim./Conf. column			
	S	Spike Recovery outsid	=						
	~					-			

#### Life Science Laboratories, Inc.

**Analytical Results** 

01/28/06

StateCertNo: 10155

%REC

1

71	_ <b>]</b> 5000	Brittonfield Parkway, Suite 200	

#### East Syracuse, NY 13057 (315) 437-0200

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CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receive	ate:	<b>0601049-</b> <b>BH-34-</b> 01/11/06 1 01/12/06 7	<b>)</b> 4:40
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:20:40 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: FileID:		01/13/06 8 2374/R438 1-SAMP-N	0
Analyte		Result Qua	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLAI	ILE ORGANIC COMPO	UNDS BY GC/	MS SW	8270C		(SW3550	IB)
Surr: Pheno	ol-d5	71.6	33-130	0	%REC	•	01/28/06

0

36-146

Qualifiers:

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

5 Spike Recovery outside accepted recovery

Surr: Terphenyl-d14

**Analytical Results** 

CLIENT: O'Brien & G Project: Geneva Four W Order: 0601049 Matrix: SOIL	ere Engineers, Inc. Idry		Collectio	Client Sample ID:         BH-34-D           Collection Date:         01/11/06 14:40           Date Received:         01/12/06 7:50				
Inst. ID:         MS05 26           ColumnID:         ZB-5           Revision:         01/31/06 10:	Sample Size %Moisture 37:14 A TestCode:		PrepDate BatchNo , FileID:		81			
Analyte	Result Q	ual PQL	MDL	Units DF	Date Analyze			
SEMIVOLATILE ORGANI	C COMPOUNDS BY GO	MS SV	V8270C	(SW355	0B)			
1,2,4-Trichlorobenzene	ND	9000	71	µg/Kg-dry 25	01/30/06 19:17			
,2-Dichlorobenzene	ND	9000	64	µg/Kg-dry 25	01/30/06 19:17			
,3-Dichlorobenzene	. ND	9000	43	µg/Kg-dry 25	01/30/06 19:17			
,4-Dichlorobenzene	ND	9000	51	µg/Kg-dry 25	01/30/06 19:17			
2,4,5-Trichlorophenol	ND	45000	890	µg/Kg-dry 25	01/30/06 19:17			
2,4,6-Trichlorophenol	ND	9000	84	µg/Kg-dry 25	01/30/06 19:17			
2,4-Dichlorophenol	ND	9000	83	µg/Kg-dry 25	01/30/06 19:17			
2,4-Dimethylphenol	ND	9000	77	µg/Kg-dry 25	01/30/06 19:17			
2,4-Dinitrophenol	ND	45000	1600	µg/Kg-dry 25	01/30/06 19:17			
2,4-Dinitrotoluene	ND	9000	75	µg/Kg-dry 25	01/30/06 19:17			
2,6-Dinitrotoluene	ND	9000	87	µg/Kg-dry 25	01/30/06 19:17			
2-Chioronaphthalene	ND	9000	43	µg/Kg-dry 25	01/30/06 19:17			
2-Chlorophenol	ND	9000	59	µg/Kg-dry 25	01/30/06 19:17			
-Methylnaphthalene	ND	9000	43	µg/Kg-dry 25	01/30/06 19:17			
2-Methylphenol	ND	9000	55	µg/Kg-dry 25	01/30/06 19:17			
-Nitroaniline	ND	45000	95	µg/Kg-dry 25	01/30/06 19:17			
2-Nitrophenol	ND	9000	100	µg/Kg-dry 25	01/30/06 19:17			
3,3'-Dichlorobenzidine	ND	18000	220	µg/Kg-dry 25	01/30/06 19:17			
3-Nitroaniline	ND	45000	310	µg/Kg-dry 25	01/30/06 19:17			
l,6-Dinitro-2-methylphenol	ND	45000	730	µg/Kg-dry 25	01/30/06 19:17			
-Bromophenyl phenyl ether	. ND	9000	63	µg/Kg-dry 25	01/30/06 19:17			
-Chloro-3-methylphenol	ND	9000	71	µg/Kg-dry 25	01/30/06 19:17			
I-Chloroaniline	ND	9000	110	µg/Kg-dry 25	01/30/06 19:17			
-Chlorophenyl phenyl ether	ND	9000	69	µg/Kg-dry 25	01/30/06 19:17			
l-Methyiphenol	, ND	9000	52	µg/Kg-dry 25	01/30/06 19:17			
-Nitroaniline	ND	45000	150	µg/Kg-dry 25	01/30/06 19:17			
-Nitrophenol	ND	45000	360	µg/Kg-dry 25	01/30/06 19:17			
cenaphthene	. ND	9000	32	µg/Kg-dry 25	01/30/06 19:17			
Acenaphthylene	ND	9000	40	µg/Kg-dry 25	01/30/06 19:17			
Aniline	ND	9000	110	µg/Kg-dry 25	01/30/06 19:17			
Inthracene	: ND	9000	37	µg/Kg-dry 25	01/30/06 19:17			
Benzo[a]anthracene	ND	9000	38	µg/Kg-dry 25	01/30/06 19:17			
Benzo[a]pyrene	ND	9000	45	µg/Kg-dry 25	01/30/06 19:17			
Benzo[b]fluoranthene	ND	9000	65	µg/Kg-dry 25	01/30/06 19:17			
Benzo[g,h,l]perylene	ND	9000	46	µg/Kg-dry 25	01/30/06 19:17			
Zammer of	etected in the associated Meth imes for preparation or analys			exceeds the instrument ca te detected below the PQL				

S Spike Recovery outside accepted recovery limits

Project Supervisor: Thomas A. Alexander

CLIENT:	O'Brien & Gere Engir	eers, Inc.	1	Lab ID: 0601049-020B				
Project:	Geneva Foundry			Client S	Sample ID: BH-34-D			
W Order:	0601049			Collecti	ion Date: 01/11/06 14:			
Matrix:	SOIL			Date Re	eceived: 01/12/06 7:5	<b>60</b>		
Inst. ID:	MS05 26	Sample Size:	: 30 g	PrepDa	ite: 01/13/06 8:1	4 A		
ColumnID:	<b>ZB-</b> 5	%Moisture:		BatchN	lo: 2374/R4381	-		
<b>Revision:</b>	01/31/06 10:37:14 A	TestCode:	8270S TAGMI	, FileID:	1-DL-N3948	.D		
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyz		
EMIVOLAT		OUNDS BY GC/	MS SV	V8270C	(SW3550E	<b>B)</b> .		
Benzo[k]fluora	· · · · · · · · · · · · · · · · · · ·	ND	9000	58	µg/Kg-dry 25	01/30/06 19:17		
Senzoic acid		ND	45000	2900	µg/Kg-dry 25	01/30/06 19:17		
Senzyl alcoho	1 1	ND	9000	100	µg/Kg-dry 25	01/30/06 19:17		
is(2-Chloroet	hoxy)methane	ND	9000	35	µg/Kg-dry 25	01/30/06 19:17		
is(2-chloroett	,	ND	9000	51	µg/Kg-dry 25	01/30/06 19:17		
ois(2-chloroisc		ND	9000	51	µg/Kg-dry 25	01/30/06 19:17		
is(2-Ethylhex		ND	9000	300	µg/Kg-dry 25	01/30/06 19:17		
Sutyl benzyl p		ND	9000	59	µg/Kg-dry 25	01/30/06 19:17		
hrysene		ND	9000	43	µg/Kg-dry 25	01/30/06 19:17		
)i-n-butyl phtt	alate	ND	9000	75	µg/Kg-dry 25	01/30/06 19:17		
)i-n-octyl phth	alate	ND	9000	43	µg/Kg-dry 25	01/30/06 19:17		
)ibenz[a,h]ani		ND	9000	36	µg/Kg-dry 25	01/30/06 19:17		
Dibenzofuran	,	ND	9000	39	µg/Kg-dry 25	01/30/06 19:17		
iethyl phthala	ate	ND	9000	65	µg/Kg-dry 25	01/30/06 19:17		
) imethyl phtha		ND	9000	46	µg/Kg-dry 25	01/30/06 19:17		
luoranthene		ND	9000	42	µg/Kg-dry 25	01/30/06 19:17		
luorene		ND	9000	45	µg/Kg-dry 25	01/30/06 19:17		
lexachlorobei	nzene	ND	9000	71	µg/Kg-dry 25	01/30/06 19:17		
exachlorobul		ND	9000	96	µg/Kg-dry 25	01/30/06 19:17		
	lopentadiene	ND	9000	350	µg/Kg-dry 25	01/30/06 19:17		
lexachloroeth	•	ND	9000	97	µg/Kg-dry 25	01/30/06 19:17		
ndeno[1,2,3-c		ND	9000	36	µg/Kg-dry 25	01/30/05 19:17		
sophorone		ND	9000	43	µg/Kg-dry 25	01/30/06 19:17		
- I-Nitroso-di-n	-propylamine	ND	9000	77	µg/Kg-dry 25	01/30/05 19:17		
-Nitrosodiphe		ND	9000	43	µg/Kg-dry 25	01/30/06 19:17		
Iaphthalene	-	2400 J	9000	27	µg/Kg-dry 25	01/30/05 19:17		
litrobenzene		ND	9000	54	µg/Kg-dry 25	01/30/06 19:17		
entachloroph	enol	ND	45000	750	µg/Kg-dry 25	01/30/06 19:17		
henanthrene		ND	9000	32	µg/Kg-dry 25	01/30/06 19:17		
henol		47000	9000	37	µg/Kg-dry 25	01/30/06 19:17		
yrene	•	ND	. 9000	43	µg/Kg-dry 25	01/30/06 19:17		
-	Tribromophenol	97.8	20-143	0	%REC 25	01/30/06 19:17		
Sur: 2-Fluo		76.3	46-130	0	%REC 25	01/30/06 19:17		
Surr: 2-Fluo	• •	56.6	22-130	0	%REC 25	01/30/06 19:17		
Surr: Nitrob	•	67.0	39-130	0	%REC 25	01/30/05 19:17		
Qualifiers:	B Analyte detected in t	he associated Methr	xd Blank	E Valı	ue exceeds the instrument calib	ration range		
Quaditers:	H Holding times for pr				lyte detected below the PQL	-		
	ND Not Detected at the H				n./Conf. column %D or RPD ex	ceeds limit		
	S Spike Recovery outs	=						

#### Life Science Laboratories, Inc.

**Analytical Results** 

Analyte		Result Qu	al POL	MDL Unit	s DF	Date Analyzed
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAGML	FileD:	1-DL-N3948	D
ColumnID:	ZB-5	%Moisture:	8.0	BatchNo:	2374/R4381	
Inst. D:	MS05 26	Sample Size	: 30 g	PrepDate:	01/13/06 8:1	4 A
Matrix:	SOIL			Date Received:	01/12/06 7:5	i0
W Order:	0601049			<b>Collection Date:</b>	01/11/06 14:	:40
Project:	Geneva Foundry			Clieut Sample ID:	BH-34-D	
	O'Brien & Gere Engine	eers, Inc.	i.	Lab ID:	0601049-02	20B

SEMIVOLATILE ORGANIC COM	Pounds by GC	/MS	SW8270C		(SW355	0B)	
Surr: Phenol-d5	56.9	33-130	0	%REC	25	01/30/06 19:17	
Surr: Terphenyl-d14	72.0	36-146	0	%REC	25	01/30/06 19:17	

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

**Analytical Results** 

CLIENT: O'Brien & Gere Engin Project: Geneva Foundry W Order: 0601050 Matrix: SOIL	neers, Inc.		Lab ID:         0601050-001B           Client Sample ID:         BH-37           Collection Date:         01/11/06 8:30           Date Received:         01/12/06 0:00			
Inst. ID: MS05 26 ColumnID: ZB-5 Revision: 01/31/06 10:15:49 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileD:	01/17/06 12 2379/R437 1-SAMP-N	7	
Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyzed	
SEMIVOLATILE ORGANIC COMP	OUNDS BY GC	MS SW	/8270C	(SW3550	B)	
1,2,4-Trichlorobenzene	ND	390	3.1	µg/Kg-dry 1	01/25/06 4:00	
1,2-Dichlorobenzene	ND	390	2.8	µg/Kg-dry 1	01/25/06 4:00	
1,3-Dichlorobenzene	ND	390	1.9	µg/Kg-dry 1	01/25/06 4:00	
1,4-Dichlorobenzene	ND	390	2.3	µg/Kg-dry 1	01/25/06 4:00	
2,4,5-Trichiorophenol	ND	2000	39	µg/Kg-dry 1	01/25/06 4:00	
2,4,6-Trichlorophenol	ND	390	3.7	µg/Kg-dry 1	01/25/06 4:00	
2,4-Dichlorophenol	ND	390	3.6	µg/Kg-dry 1	01/25/06 4:00	
2,4-Dimethyiphenoi	ND	390	3.4	µg/Kg-dry 1	01/25/06 4:00	
2,4-Dinitrophenol	ND	,2000	72	µg/Kg-dry 1	01/25/06 4:00	
2,4-Dinitrotoluene	ND	390	3.3	µg/Kg-dry 1	01/25/06 4:00	
2,6-Dinitrotoluene	ND	390	3.8	µg/Kg-dry 1	01/25/06 4:00	
2-Chioronaphthaiene	ND .	390	1.9	µg/Kg-dry 1	01/25/06 4:00	
2-Chiorophenol	ND	390	2.6	µg/Kg-dry 1	01/25/06 4:00	
-Methylnaphthalene	400	390	1.9	µg/Kg-dry 1	01/25/06 4:00	
2-Methylphenol	ND	390	2.4	µg/Kg-dry 1	01/25/06 4:00	
2-Nitroaniline	ND	2000	4.2	µg/Kg-dry 1	01/25/06 4:00	
l-Nitrophenol	ND	390	4.5	µg/Kg-dry 1	01/25/06 4:00	
3,3'-Dichlorobenzidine	ND	790	9.7	µg/Kg-dry 1	01/25/06 4:00	
-Nitroaniline	ND	2000	13	µg/Kg-dry 1	01/25/06 4:00	
,6-Dinitro-2-methylphenol	ND	2000	32	µg/Kg-dry 1	01/25/06 4:00	
-Bromophenyl phenyl ether	ND	390	2.8	µg/Kg-dry 1	01/25/06 4:00	
-Chloro-3-methyiphenoi	120 J	390	3.1	µg/Kg-dry 1	01/25/06 4:00	
Chloroaniline	ND	390	4.8	µg/Kg-dry 1	01/25/06 4:00	
-Chlorophenyl phenyl ether	ND	390	3.0	µg/Kg-dry 1	01/25/06 4:00	
-Methylphenol	ND	390	2.3	µg/Kg-dry 1	01/25/06 4:00	
-Nitroaniline	ND	2000	6.6	µg/Kg-dry 1	01/25/06 4:00	
-Nitrophenol	ND	2000	16	µg/Kg-dry 1	01/25/06 4:00	
cenaphthene	ND	390	1.4	µg/Kg-dry 1	01/25/06 4:00	
cenaphthylene	ND	390	1.8	µg/Kg-dry 1	01/25/08 4:00	
niline	ND	390	4.9	µg/Kg-dry 1	01/25/06 4:00	
nthracene	ND	390	1.6	µg/Kg-dry 1	01/25/06 4:00	
enzo[a]anthracene	130 J	390	1.7	µg/Kg-dry 1	01/25/06 4:00	
kenzo[a]pyrene	150 J	390	2.0	µg/Kg-dry 1	01/25/06 4:00	
Senzo[b]fluoranthene	280 J	390	2.9	µg/Kg-dry 1	01/25/06 4:00	
ienzo[g,h,i]perylene	75 J	390	2.0	µg/Kg-dry 1	01/25/06 4:00	
Qualifiers: B Analyte detected in the Holding times for pre-				cceeds the instrument calib detected below the PQL	pration range	

S Spike Recovery outside accepted recovery limits

**Analytical Results** 

LJJ	000 Brittonfield Parkw	vay, Suite 200					
E	ast Syracuse, NY 130	57 (315)	437-0200		St	ateCertNo	: 10155
CLIENT: Project: W Order: Matrix: Inst. ID:	O'Brien & Gere Engin Geneva Foundry 0601050 SOIL MS05 26		20 -	Lab ID: Client Sam Collection Date Recei PrepDate:	ple ID: ] Date: ( ved: (	<b>)601050-(</b> <b>BH-37</b> )1/11/06 8: )1/12/06 0: )1/17/06 12	:30 :00
ColumnID:	•	Sample Size: %Moisture:	-	BatchNo:	-	379/R437	
Revision:	01/31/06 10:15:49 A	TestCode:	8270S TAGML			-SAMP-N	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date
SEMIVOLAT		DUNDS BY GC	MS SV	8270C		(SW3550	B)
Benzo[k]fluora		93 J	390	2.5	µg/Kg-d	iry 1	01/25/0
Benzoic acid		ND	2000	130	µg/Kg-d	iry 1	01/25/0
Benzyl alcoho	et en	ND	390	4.4	µg/Kg-d	iry 1	01/25/0
bis(2-Chloroet	thoxy)methane	ND	390	1.5	µg/Kg-d	iry 1	01/25/0
bis(2-chioroet	hył)ether	ND	390	2.3	µg/Kg-d	iry⊡1	01/25/0
bis(2-chloroise	opropyl)ether	ND	390	2.3	µg/Kg-d	iry 1	01/25/
bis(2-Ethylhex	(yl)phthalate	160 J	390	13	μg/Kg-d	iry 1	01/25/
Butyl benzyl p	hthalate	ND	390	2.6	μg/Kg-d	lry 1	01/25/
Chrysene		210 J	390	1.9	µg/Kg-d	try 1	01/25/0
Di-n-butyl phth	halate	280 J	390	3.3	µg/Kg-c	liny 1	01/25/
Di-n-octyl phth	nalate	ND	390	1.9	µg/Kg-d	iry 1	01/25/
Dibenz[a,h]an	thracene	ND	390	1.6	µg/Kg-d	iry 1	01/25/
Dibenzofuran		48 J	390	1.7	µg/Kg-c	iry 1	01/25/
Diethyl phthala	ate	ND ·	390	2.8	µg/Kg-d	lry 1	01/25/
Dimethyl phth	alate	ND	390	2.0	µg/Kg-d	lry 1	01/25/
Fluoranthene		320 J	390	1.8	µg/Kg-c	iry 1	01/25/
Fluorene		ND	390	2.0	µg/Kg-c	iry 1	01/25/
Hexachlorobe	nzene	ND	390	3.1	μg/Kg-d	lry 1	01/25/
Hexachiorobu	tadiene	ND	390	4.2	µg/Kg-c	iry 1	01/25/
Hexachlorocy	clopentadiene	ND	390	15	μg/Kg-c	dry 1	01/25/
Hexachioroeth	hane	ND	390	4.3	µg/Kg-c	lrv 1	01/25/

		····				
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601050 SOIL	eers, Inc.		Lab ID: Client Sam Collection I Date Receiv		8:30
Inst. ID:	MS05 26	Sample Size:	30 g	PrepDate:	01/17/06	12:00 A
ColumnID:	•	%Moisture:	-	BatchNo:	2379/R43	
Revision:	01/31/06 10:15:49 A		8270S TAGML			N3859.D
Analyte		Result Qua	l PQL	MDL	Units DF	Date Analyzed
SEMIVOLAT	TILE ORGANIC COMPO	OUNDS BY GC/	ns sw	8270C	(SW35	50B)
Benzo[k]fluora		93 J	390	2.5	µg/Kg-dry 1	01/25/06 4:00
Benzoic acid		ND	2000	130	µg/Kg-dry 1	01/25/06 4:00
Benzyl alcohol	ł	ND	390	4.4	µg/Kg-dry 1	01/25/06 4:00
bis(2-Chloroet	ihoxy)methane	ND	390	1.5	µg/Kg-dry 1	01/25/06 4:00
bis(2-chloroet	••	ND	390	2.3	µg/Kg-dry 1	01/25/06 4:00
bis(2-chloroisc	••	ND	390	2.3	µg/Kg-dry 1	01/25/06 4:00
bis(2-Ethylhex		160 J	390	13	µg/Kg-dry 1	01/25/06 4:00
Butyl benzyl p		ND	390	2.6	µg/Kg-dry 1	01/25/06 4:00
Chrysene		210 J	390	1.9	µg/Kg-dry 1	01/25/06 4:00
Di-n-butyl phth	nalate	280 J	390	3.3	µg/Kg-dry 1	01/25/06 4:00
Di-n-octyl phth	nalate	ND	390	1.9	µg/Kg-dry 1	01/25/06 4:00
Dibenz[a,h]ani	thracene	ND	390	1.6	µg/Kg-dry 1	01/25/06 4:00
Dibenzofuran		48 J	390	1.7	µg/Kg-dry 1	01/25/06 4:00
Diethyl phthala	ate	ND ·	390	2.8	µg/Kg-dry 1	01/25/06 4:00
Dimethyl phtha	alate	ND	390	2.0	µg/Kg-dry 1	01/25/06 4:00
Fluoranthene	·	320 J	390	1.8	µg/Kg-dry 1	01/25/06 4:00
Fluorene		ND	390	2.0	µg/Kg-dry 1	01/25/06 4:00
Hexachlorobe	nzene	ND	390	3.1	µg/Kg-dry 1	01/25/06 4:00
Hexachiorobul	tadiene	ND	390	4.2	µg/Kg-dry 1	01/25/06 4:00
Hexachlorocyc	clopentadiene	ND	390	15	µg/Kg-dry 1	01/25/06 4:00
Hexachioroeth	nane	ND	390	4.3	µg/Kg-dry 1	01/25/06 4:00
Indeno[1,2,3-c	cd]pyrene	50 J	390	1.6	µg/Kg-dry 1	01/25/06 4:00
Isophorone		ND	390	1.9	µg/Kg-dry 1	01/25/06 4:00
N-Nitroso-di-n	-propylamine	ND	390	3.4	µg/Kg-dry 1	01/25/06 4:00
N-Nitrosodiph	•	ND	390	1.9	µg/Kg-dry 1	01/25/06 4:00
Naphthalene		1500	390	1.2	µg/Kg-dry 1	01/25/06 4:00
Nitrobenzene		ND	390	2.4	µg/Kg-dry 1	01/25/06 4:00
Pentachloroph	henol	ND	2000	33	µg/Kg-dry 1	01/25/06 4:00
Phenanthrene	)	310 J	390	1.4	µg/Kg-dry 1	01/25/06 4:00
Phenol		860	390	1.6	µg/Kg-dry 1	01/25/06 4:00
Pyrene		. 280 J	390	1.9	µg/Kg-dry 1	01/25/06 4:00
Surr: 2,4,6-	Tribromophenol	94.0	20-143	0	%REC 1	01/25/06 4:00
Surr: 2-Fluc	probiphenyl	79.3	46-130	0	%REC 1	01/25/06 4:00
Surr: 2-Fluc	• •	69.8	22-130	0	%REC 1	01/25/06 4:00
						01/25/06 4:00

Qualifiers:

Analyte detected in the associated Method Blank В Н Holding times for preparation or analysis exceeded

Value exceeds the instrument calibration range Ε

Analyte detected below the PQL J

ND Not Detected at the Practical Quantitation Limit (PQL)

Spike Recovery outside accepted recovery limits S

Р Prim./Conf. column %D or RPD exceeds limit

.

#### **Analytical Results**

E A E	East Syracuse, NY 13057 (315) 437-0200 StateCertNo: 10					: 10155	
CLIENT:	O'Brien & Gere Engin	ers, Inc.		Lab ID:		0601050-0	01B
Project:	Geneva Foundry			<b>Client Sample</b>			
W Order:	0601050			Collection Dat	e:	01/11/06 8:	30
Matrix:	SOIL			Date Received	:	01/12/06 0:0	00
Inst. ID:	MS05 26	Sample Size:	30 g	PrepDate:		01/17/06 12	:00 A
ColumnID:	ZB-5	%Moisture:		BatchNo:	:	2379/R4377	,
<b>Revision:</b>	01/31/06 10:15:49 A	TestCode:	8270S TAGML	FileID:		1-SAMP-N3	859.D
Analyte		Result Qu	al PQL	MDL U	Units	DF	Date Analyzed
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC/	MS SW	8270C		(SW3550)	3)

Surr: Phenol-d5 69.7 %REC 01/25/06 4:00 33-130 0 1 Surr: Terphenyl-d14 01/25/06 4:00 70.5 36-146 0 %REC 1

Qualifiers:

Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

В

Е

**Analytical Results** 

CLIENT: Project: W Order: Matrix:	oject: Geneva Foundry Order: 0601050 atrix: SOIL			Lab ID:         0601050-002B           Client Sample ID:         BH-35-S           Collection Date:         01/11/06 8:55           Date Received:         01/12/06 0:00				
Inst. ID: ColumaID: Revision:	MS05 26 ZB-5 01/31/06 10:15:49 A	Sample Size %Moisture: TestCode:	-	PrepDat BatchNo FileID:				
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Units DF	Date Analyze		
SEMIVOLAT	LE ORGANIC COMPO	UNDS BY GC	/MS SW	8270C	(SW3550E	3)		
1,2,4-Trichloro	benzene	ND	400	3.2	µg/Kg-dry 1	01/25/06 5:52		
,2-Dichlorobe	enzene	ND	400	2.9	µg/Kg-dry 1	01/25/06 5:52		
,3-Dichlorobe	nzene	ND	400	1.9	µg/Kg-dry 1	01/25/06 5:52		
,4-Dichlorobe	enzene	ND	400	2.3	µg/Kg-dry 1	01/25/06 5:52		
2,4,5-Trichloro	phenol	ND	2000	40	µg/Kg-dry 1	01/25/06 5:52		
2,4,6-Trichloro	phenol	ND	400	3.8	µg/Kg-dry 1	01/25/06 5:52		
2,4-Dichloroph	enol	ND	400	3.7	µg/Kg-dry 1	01/25/06 5:52		
2,4-Dimethylpl	henol	ND	400	3.5	µg/Kg-dry 1	01/25/06 5:52		
2,4-Dinitropher	nol	ND	2000	74	µg/Kg-dry 1	01/25/06 5:52		
2,4-Dinitrotolue	ene	ND	400	3.4	µg/Kg-dry 1	01/25/06 5:52		
,6-Dinitrotolue	еле	ND	400	3.9	µg/Kg-dry 1	01/25/06 5:52		
-Chloronapht	halene	ND	400	1.9	µg/Kg-dry 1	01/25/06 5:52		
Chlorophenc		ND	400	2.7	µg/Kg-dry 1	01/25/06 5:52		
Methylnapht		ND	400	2.0	µg/Kg-dry 1	01/25/06 5:52		
-Methylphend		ND	400	2.5	µg/Kg-dry 1	01/25/06 5:52		
-Nitroaniline	· · ·	ND	2000	4.3	µg/Kg-dry 1	01/25/06 5:52		
-Nitrophenol		ND	400	4.6	µg/Kg-dry 1	01/25/06 5:52		
3.3'-Dichlorob	enzidine	ND	810	10	µg/Kg-dry 1	01/25/06 5:52		
Nitroaniline	, ,	ND	2000	14	µg/Kg-dry 1	01/25/06 5:52		
,6-Dinitro-2-m	tethviphenol	ND	2000	33	µg/Kg-dry 1	01/25/06 5:52		
	/l phenyl ether	ND	400	2.8	µg/Kg-dry 1	01/25/06 5:52		
-Chloro-3-me	• •	ND	400	3.2	µg/Kg-dry 1	01/25/06 5:52		
-Chloroaniline	••	ND	400	5.0	µg/Kg-dry 1	01/25/06 5:52		
	/I phenyl ether	ND	400	3.1	µg/Kg-dry 1	01/25/06 5:52		
Methylpheno	•	ND	400	2.3	µg/Kg-dry 1	01/25/06 5:52		
-Nitroaniline	· ·	ND	2000	6.8	µg/Kg-dry 1	01/25/06 5:52		
-Nitrophenol		ND	2000	16	µg/Kg-dry 1	01/25/06 5:52		
cenaphthene		ND	400	1.4	µg/Kg-dry 1	01/25/06 5:52		
cenaphthyler		ND	400	1.4	µg/Kg-dry 1	01/25/06 5:52		
niline	·•	ND ·	400	5.0	µg/Kg-dry 1	01/25/06 5:52		
Inthracene		ND	400	1.7	µg/Kg-dry 1	01/25/06 5:52		
enzo[a]anthra	90909	68 J	400	1.7	µg/Kg-dry 1	01/25/06 5:52		
enzo[a]pyren		55 J	400	2.0	µg/Kg-dry 1	01/25/06 5:52		
enzo[a]pyren Senzo[b]fluora		86 J	400	2.0	µg/Kg-dry 1	01/25/06 5:52		
Benzo[g,h,l]pe		ND	400	2.9 2.1	μg/Kg-dry 1	01/25/06 5:52		
Qualifiers:	B Analyte detected in th H Holding times for pre ND Not Detected at the Pr	e associated Metho paration or analysis	s exceeded	J Analy	exceeds the instrument calib re detected below the PQL /Conf. column %D or RPD ex-			

S Spike Recovery outside accepted recovery limits

#### Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200 Fost Symposics NV 13057 (315) 437-0200 [LSI

Project: Get	rien & Gere Engin aeva Foundry 1050 L	eers, Inc.		Collec	D:         0601050-(           t Sample ID:         BH-35-S           ction Date:         01/11/06 8:           Received:         01/12/06 0:	55		
ColumnID: ZB-		Sample Size: %Moisture:	18.3	PrepI Batch	iNo: 2379/R437	7		
Revision: 01/: Analyte	31/06 10:15:49 A	TestCode: Result Qua	8270S TAGML	, FileII MDL	D: 1-SAMP-N Units DF	3862.D Date Analyze		
Benzo[k]fluoranther		NDS BY GC/A	15 SV 400	2.6	( <b>SW3550)</b> µg/Kg-dry 1	B) 01/25/06 5:52		
Benzoic acid		ND	2000	2.0 130		01/25/06 5:52		
Benzyl alcohol	•	ND	400	130 4.5	μg/Kg-dry 1	01/25/06 5:52		
ois(2-Chloroethoxy)	methane	ND			µg/Kg-dry 1 ⊮g/Kg-day 1	01/25/06 5:52		
bis(2-chloroethyl)et		ND	400 400	1.6 2.3	μg/Kg-dry 1 μg/Kg-dry 1	01/25/06 5:52		
bis(2-chloroisoprop		ND	400	2.3 2.3	μg/Kg-dry 1 μg/Kg-dry 1	01/25/06 5:52		
bis(2-Ethylhexyl)phi		ND	400	2.3 13	µg/Kg-dry 1	01/25/06 5:52		
Butyl benzyl phthaia	-	ND	400	13 2.7	μg/Kg-dry 1	01/25/06 5:52		
chrysene		63 J	400 ·	2.7 1.9	µg/Kg-dry 1	01/25/06 5:52		
Di-n-butyi phthalate		ND	400	3.4	µg/Kg-dry 1	01/25/06 5:52		
Di-n-octyl phthalate		ND	400	1.9	µg/Kg-dry 1	01/25/06 5:52		
benz[a,h]anthrace	ne	ND	400	1.6	µg/Kg-dry 1	01/25/06 5:52		
)ibenzofuran		ND	400	1.8	µg/Kg-dry 1	01/25/06 5:52		
Diethyl phthalate		ND	400	2.9	µg/Kg-dry 1	01/25/06 5:52		
imethyl phthalate		ND	400	2.1	μg/Kg-dry 1	01/25/06 5:52		
luoranthene		130 J	400	1.9	μg/Kg-dry 1	01/25/06 5:52		
luorene		ND	400	2.0	µg/Kg-dry 1	01/25/06 5:52		
lexachlorobenzene	1	ND	400	3.2	µg/Kg-dry 1	01/25/06 5:52		
lexachiorobutadien		ND	400	4.3	µg/Kg-dry 1	01/25/06 5:52		
lexachlorocycloper	itadiene	ND	400	16	µg/Kg-dry 1	01/25/06 5:52		
lexachioroethane		ND	400	4.4	μg/Kg-dry 1	01/25/06 5:52		
ndeno[1,2,3-cd]pyre	ene	ND	400	1.6	µg/Kg-dry 1	01/25/06 5:52		
sophorone		ND	400	2.0	µg/Kg-dry 1	01/25/06 5:52		
I-Nitroso-di-n-propy	/lamine	ND	400	3.5	µg/Kg-dry 1	01/25/06 5:52		
I-Nitrosodiphenylar		ND	400	1.9	µg/Kg-dry 1	01/25/06 5:52		
laphthalene		ND	400	1.2	μg/Kg-dry 1	01/25/06 5:52		
litrobenzene		ND	400	2.4	μg/Kg-dry 1	01/25/06 5:52		
entachlorophenol		ND	2000	34	μg/Kg-dry 1	01/25/06 5:52		
henanthrene		110 J	400	1.5	µg/Kg-dry 1	01/25/06 5:52		
henol		ND	400	1.7	μg/Kg-dry 1	01/25/06 5:52		
yrene		100 J	400	2.0	µg/Kg-dry 1	01/25/06 5:52		
Surr: 2,4,6-Tribro	mophenol	96.1	20-143	0	%REC 1	01/25/06 5:52		
Surr: 2-Fluorobipi	-	81,0	46-130	0	%REC 1	01/25/06 5:52		
Surr: 2-Fluorophe	-	70.4	22-130	õ	%REC 1	01/25/06 5:52		
Surr: Nitrobenzen		72.5	39-130	õ	%REC 1	01/25/06 5:52		
Qualifiers: B	Analyte detected in th	e associated Method	Blank	E Va	alue exceeds the instrument calib	oration range		
H.	Holding times for prep	paration or analysis e	xceeded		alyte detected below the PQL			
ND		actical Quantitation Limit (PQL) e accepted recovery limits				column %D or RPD exceeds limit		

72.0

#### **Analytical Results**

01/25/06 5:52

ىلەر	5000	Brittonfield	Parkway,	Suite 200
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E	ast Syracuse, NY 130	57 (315)	) 437-0200	StateCertNo: 10155					
CLIENT:	O'Brien & Gere Engin	eers, Inc.		Lab ID:	0601050-0	02B			
Project:	Geneva Foundry			Client Sample ID:	: BH-35-S				
W Order:	0601050			<b>Collection Date:</b>	01/11/06 8:	55			
Matrix:	SOIL			Date Received:	01/12/06 0:	00			
Inst. ID:	MS05 26	Sample Size	: 30 g	PrepDate:	01/17/06 12	:00 A			
ColumnID:	ZB-5	%Moisture:	-	BatchNo:	2379/R4377				
Revision:	01/31/06 10:15:49 A	TestCode:	8270S TAGML	FileID:	1-SAMP-N	3862.D			
Analyte		Result Qu	al PQL	MDL Unit	ts DF	Date Analyzed			
SEMIVOLAT		UNDS BY GC	'MS SW	8270C	(SW3550	B)			
Surr: Pheno	bi-d5	70.3	33-130	0 %RE	•	01/25/06 5:52			

36-146

0

%REC

1

Qualifiers:

Surr: Terphenyl-d14

- Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded
- H
- Analyte detected below the PQL 1
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S\_ Spike Recovery outside accepted recovery limits
- P Prim./Conf. column %D or RPD exceeds limit

Value exceeds the instrument calibration range

E

Print Date: 01/31/06 11:38

В

#### **Analytical Results**

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601050 SOIL	eers, Inc.		Lab ID:         0601050-003B           Client Sample ID:         BH-35-D           Collection Date:         01/11/06 9:05           Date Received:         01/12/06 0:00				
lnst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:15:49 A	Sample Size %Moisture TestCode:		PrepDate BatchNo FileID:		7		
Analyte	•	Result Qu	al PQL	MDL	Units DF	Date Analyze		
SEMIVOLAT	TILE ORGANIC COMPO	UNDS BY GC	/MS SW	8270C	(SW3550	<b>B</b> )		
,2,4-Trichloro	benzene	ND	420	3.3	µg/Kg-dry 1	01/25/06 6:30		
,2-Dichlorobe	enzene	ND	420	3.0	µg/Kg-dry 1	01/25/06 6:30		
,3-Dichlorobe	enzene	ND	420	2.0	µg/Kg-dry 1	01/25/06 6:30		
,4-Dichlorobe	enzene	ND	420	2.4	µg/Kg-dry 1	01/25/06 6:30		
4,5-Trichloro	phenol	ND	2100	41	µg/Kg-dry 1	01/25/06 6:30		
,4,6-Trichloro	phenol	ND	420	3.9	µg/Kg-dry 1	01/25/06 6:30		
,4-Dichloroph	nenol	ND	420	3.9	µg/Kg-dry 1	01/25/06 6:30		
,4-Dimethylpl	henol	ND	420	3.6	µg/Kg-dry 1	01/25/06 6:30		
,4-Dinitrophe	nol	ND	2100	76	µg/Kg-dry 1	01/25/06 6:30		
,4-Dinitrotolu	ene	ND	420	3.5	µg/Kg-dry 1	01/25/06 6:30		
,6-Dinitrotolu	ene	ND	420	4.0	µg/Kg-dry 1	01/25/06 6:30		
-Chloronapht	halene	ND	420	2.0	µg/Kg-dry 1	01/25/06 6:30		
-Chlorophend	ol ·	ND	420	2.7	µg/Kg-dry 1	01/25/06 6:30		
-Methylnapht	halene	ND	420	2.0	µg/Kg-dry 1	01/25/06 6:30		
-Methylpheno	bl	ND	420	2.6	µg/Kg-dry 1	01/25/06 6:30		
-Nitroaniline		ND	2100	4.4	µg/Kg-dry 1	01/25/06 6:30		
-Nitrophenol		ND .	420	4.8	µg/Kg-dry 1	01/25/06 6:30		
3'-Dichlorob	enzidine	ND	830	10	µg/Kg-dry 1	01/25/06 6:30		
-Nitroaniline	•	ND	2100	14	µg/Kg-dry 1	01/25/06 6:30		
,6-Dinitro-2-n	nethylphenol	ND	2100	34	µg/Kg-dry 1	01/25/06 6:30		
	vi phenyi ether	ND	420	2.9	µg/Kg-dry 1	01/25/06 6:30		
-Chloro-3-me		ND	420	3.3	µg/Kg-dry 1	01/25/06 6:30		
-Chloroaniline	•••	ND	420	5.1	µg/Kg-dry 1	01/25/06 6:30		
-Chloropheny	/i phenyl ether	ND	420	3.2	µg/Kg-dry 1	01/25/06 6:30		
-Methylphend	-	ND	420	2.4	µg/Kg-dry 1	01/25/06 6:30		
-Nitroaniline		ND	2100	7.0	µg/Kg-dry 1	01/25/06 6:30		
-Nitrophenol		ND	2100	17	µg/Kg-dry 1	01/25/06 6:30		
cenaphthene		ND <sup>-</sup>	420	1.5	µg/Kg-dry 1	01/25/06 6:30		
cenaphthyler		ND	420	1.9	µg/Kg-dry 1	01/25/06 6:30		
niline		ND	420	5.2	µg/Kg-dry 1	01/25/06 6:30		
nthracene		ND	420	1.7	µg/Kg-dry 1	01/25/06 6:30		
enzo[a]anthr	acene	ND	420	1.8	μg/Kg-dry 1	01/25/06 6:30		
enzo[a]pyren		ND	420	2.1	µg/Kg-dry 1	01/25/06 6:30		
enzo[b]fluora		ND	420	3.0	µg/Kg-dry 1	01/25/06 6:30		
enzo[g,h,l]pe		ND	420	2.1	μg/Kg-dry 1	01/25/06 6:30		
Qualifiers:	<ul><li>B Analyte detected in th</li><li>H Holding times for prepared</li></ul>	-			exceeds the instrument cali te detected below the PQL	bration range		

S Spike Recovery outside accepted recovery limits

CLIENT: Project: W Order: Matrix:	Project: Geneva Foundry W Order: 0601050 Matrix: SOIL			Cli Col	Lab ID:         0601050-003B           Client Sample ID:         BH-35-D           Collection Date:         01/11/06 9:05           Date Received:         01/12/06 0:00				
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:15:49 A	Sample Size %Moisture: TestCode;		Bat	cpDate:         01/17/06 12           tchNo:         2379/R437           eID:         1-SAMP-N	7			
Analyte		Result Qu	· · · · · · · · · · · · · · · · · · ·	MD		Date Analyze			
SEMIVOLAT		UNDS BY GC	MS S	SW8270	C (SW3550	B)			
Benzo[k]fluora		ND	420	2.7	µg/Kg-dry 1	01/25/06 6:30			
Benzoic acid		ND	2100	130	µg/Kg-dry 1	01/25/06 6:30			
Benzyl alcohol	· ·	ND	420	4.6	µg/Kg-dry 1	01/25/06 6:30			
-	hoxy)methane	ND	420	1.6	µg/Kg-dry 1	01/25/06 6:30			
ois(2-chloroeth	• ·	ND	420	2.4	µg/Kg-dry 1	01/25/06 6:30			
bis(2-chloroisc	• •	ND	420	2.4	µg/Kg-dry 1	01/25/06 6:30			
bis(2-Ethylhex		69 J	420	14	µg/Kg-dry 1	01/25/06 6:30			
Butyl benzyl pl		ND	420	2.7	µg/Kg-dry 1	01/25/06 6:30			
Chrysene		ND	420	2.0	µg/Kg-dry 1	01/25/06 6:30			
Di-n-butyl phth	alate	ND	420	3.5	µg/Kg-dry 1	01/25/06 6:30			
Di-n-octyl phth		ND	420	2.0	µg/Kg-dry 1	01/25/06 6:30			
Dibenz[a,h]ani		ND	420	1.7	μg/Kg-dry 1	01/25/06 6:30			
Dibenzofuran		ND	420	1.8	µg/Kg-dry 1	01/25/06 6:30			
Diethyl phthala	ite	ND	420	3.0	µg/Kg-dry 1	01/25/06 6:30			
Dimethyl phtha		ND	420	2.2	µg/Kg-dry 1	01/25/06 6:30			
Fluoranthene		ND	420	1.9	µg/Kg-dry 1	01/25/06 6:30			
Fluorene		ND	420	2.1	µg/Kg-dry 1	01/25/06 6:30			
-lexachlorober	17600	ND	420	3.3	µg/Kg-dry 1	01/25/06 6:30			
lexachlorobut		ND	420	4.5	µg/Kg-dry 1	01/25/06 6:30			
Hexachlorocyc		ND	420	16	µg/Kg-diry 1	01/25/06 6:30			
Hexachloroeth	• ,	ND	420	4.5	µg/Kg-dry 1	01/25/06 6:30			
ndeno[1,2,3-c		ND	420	1.7	µg/Kg-dry 1	01/25/06 6:30			
sophorone		ND	420	2.0	µg/Kg-dry 1	01/25/06 6:30			
V-Nitroso-di-n-	nropylamine	ND	420	3.6	µg/Kg-dry 1	01/25/06 6:30			
N-Nitrosodiphe		ND	420	2.0	μg/Kg-dry 1	01/25/06 6:30			
Naphthalene	si yiainino	ND	420	1.3	µg/Kg-dry 1	01/25/06 6:30			
Vitrobenzene		ND	420	2.5	µg/Kg-dry 1	01/25/06 6:30			
Pentachloroph	enol	ND	2100	35	μg/Kg-dry 1	01/25/06 6:30			
Phenanthrene		ND	420	1.5	μg/Kg-dry 1	01/25/06 6:30			
Phenol		ND	420	1.7	μg/Kg-dry 1	01/25/06 6:30			
yrene		ND	420	2.0	µg/Kg-dry 1	01/25/06 6:30			
-	Tribromophenol	92.7	20-143	0	%REC 1	01/25/06 6:30			
Surr: 2-Fluo	-	77.1	46-130	. 0	%REC 1	01/25/06 6:30			
Surr: 2-Fluo		<b>66</b> .6	22-130	0	%REC 1	01/25/06 6:30			
Surr: Nitrob	•	70.5	39-130	ō	%REC 1	01/25/06 6:30			
Qualifiers:	B Analyte detected in th	e associated Meth	od Blank	E	Value exceeds the instrument call	bration range			
Zuanners.	H Holding times for preparation or analysis exceeded			· J	Analyte detected below the PQL	· .			
	ND Not Detected at the P S Spike Recovery outside	ractical Quantitatio	on Limit (PQL).	Р	Prim./Conf. column %D or RPD	exceeds limit			

# Life Science Laboratories, Inc.

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**Analytical Results** 

01/25/06 6:30

)]	_ <b>_</b> ]5000	Brittonfield	Parkway,	Suite 200	

E	ast Syracuse, NY 130	57 (315	) 437-0200	StateCertNo: 10155				
CLIENT:	O'Brien & Gere Engine	ers, Inc.	· · · · · · · ·	Lab D:		0601050-0	03B	
Project:	Geneva Foundry	-		<b>Client Sampl</b>	e ID:	BH-35-D		
W Order:	0601050			Collection Da		01/11/06 9:0		
Matrix:	SOIL			Date Receive	d:	01/12/06 0:	00	
Inst. ID:	MS05 26	Sample Size	: 30 g	PrepDate:		01/17/06 12	:00 A	
ColumnID:	ZB-5	%Moisture:	0	BatchNo:	•	2379/R4377		
Revision:	01/31/06 10:15:49 A	TestCode:	8270S TAGML	FileID:		1-SAMP-N3	863.D	
Analyte		Result Qu	ial PQL	MDL	Units	DF	Date Analyzed	
SEMIVOLAT		UNDS BY GC	/MS SW	8270C		(SW3550)	B)	
Surr: Pheno		66.2	33-130	0	%REC	•	01/25/06 6:30	

36-146

0

Qualifiers:

Surr: Terphenyl-d14

- Analyte detected in the associated Method Blank
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range

J Analyte detected below the PQL

%REC

1

Prim./Conf. column %D or RPD exceeds limit Р

В

Ε

**Analytical Results** 

CLIENT: O'Brien & Gere Engineers, Inc. Project: Geneva Foundry W Order: 0601050 Matrix: SOIL pst ID: MS05 26 Semala Sirey 20 c				Collection	Client Sample ID:         BH-36-S           Collection Date:         01/10/06 14:20           Date Received:         01/12/06 0:00			
Column <b>W:</b>	MS05 26 ZB-5 01/31/06 10:15:49 A	Sample Size %Moisture: TestCode:	•	PrepDate BatchNo L FileID:		7		
Analyte		Result Qu	<u></u>	MDL	Units DF	Date Analyze		
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC	MS SI	N8270C	(SW3550	)B)		
,2,4-Trichiorol	benzene	ND	1700	14	µg/Kg-dry 5	01/25/06 7:07		
,2-Dichlorobe	nzene	ND	1700	12	µg/Kg-dry 5	01/25/06 7:07		
,3-Dichlorober	nzene	ND	1700	8.2	µg/Kg-dry 5	01/25/06 7:07		
,4-Dichlorobe	nzene	ND	1700	9.8	µg/Kg-dry 5	01/25/06 7:07		
,4,5-Trichloro	phenol	ND	8700	170	µg/Kg-dry 5	01/25/06 7:07		
,4,6-Trichloro	phenol	ND	1700	16	µg/Kg-dry 5	01/25/06 7:07		
4-Dichloroph	enol	ND	1700	16	µg/Kg-dry 5	01/25/06 7:07		
.4-Dimethylph	enol	ND	1700	15	µg/Kg-dry 5	01/25/06 7:07		
,4-Dinitropher	ol	ND	8700	310	µg/Kg-dry 5	01/25/06 7:07		
,4-Dinitrotolue	ne	ND	1700	14	µg/Kg-dry 5	01/25/06 7:07		
,6-Dinitrotolue	ene	ND	1700	17	µg/Kg-dry 5	01/25/06 7:07		
-Chloronaphth	alene	ND	1700	8.2	jµg/Kg-dry 5	01/25/06 7:07		
-Chloropheno	i	ND	1700	11	µg/Kg-dry 5	01/25/06 7:07		
-Methyinaphth	alene	ND	1700	8.3	µg/Kg-dry 5	01/25/06 7:07		
-Methylphenol	l	ND .	1700	11	µg/Kg-dry 5	01/25/06 7:07		
-Nitroaniline		ND .	8700	18	µg/Kg-dry 5	01/25/06 7:07		
-Nitrophenol	· · ·	ND	1700	20	µg/Kg-dry 5	01/25/06 7:07		
,3'-Dichlorobe	nzidine	ND	3400	42	µg/Kg-dry 5	01/25/06 7:07		
-Nitroaniline		ND	8700	59	µg/Kg-dry 5	01/25/06 7:07		
,6-Dinitro-2-m	ethylphenol	ND	8700	140	µg/Kg-dry 5	01/25/06 7:07		
-Bromopheny	l phenyl ether	ND	1700	12	µg/Kg-dry 5	01/25/06 7:07		
-Chloro-3-met	hylphenol	ND	1700	14	µg/Kg-dry 5	01/25/06 7:07		
-Chloroaniline		ND	1700	21	µg/Kg-dry 5	01/25/06 7:07		
-Chiorophenyl	phenyl ether	ND	1700	13	µg/Kg-dry 5	01/25/06 7:07		
-Methylphenol	l	ND	1700	9.9	µg/Kg-dry 5	01/25/06 7:07		
-Nitroaniline		ND	8700	29	µg/Kg-dry 5	01/25/06 7:07		
-Nitrophenol		ND	8700	69	µg/Kg-dry 5	01/25/06 7:07		
conaphthene		ND	1700	6.1	µg/Kg-dry 5	01/25/06 7:07		
cenaphthylen	e	ND	1700	7.7	µg/Kg-dry 5	01/25/06 7:07		
niline		ND	1700	21	µg/Kg-dry 5	01/25/06 7:07		
nthracene		ND	1700	7.0	µg/Kg-dry 5	01/25/06 7:07		
enzo[a]anthra	cene	ND	1700	7.3	µg/Kg-dry 5	01/25/06 7:07		
enzo[a]pyrene	9	ND	1700	8.6	µg/Kg-dry 5	01/25/06 7:07		
enzo[b]fluorar	nthene .	ND	1700	12	µg/Kg-dry 5	01/25/06 7:07		
lenzo[g,h,l]pei	ylene	ND	1700	8.7	µg/Kg-dry 5	01/25/06 7:07		
Qualifiers:	B Analyte detected in the	e associated Metho	od Blank	E Value	exceeds the instrument cal	ibration range		

S Spike Recovery outside accepted recovery limits

**Analytical Results** 

1

rien & Gere Engi eva Foundry 1050	neers, mc.	•		( OD 10).	64				
-		• •			Lab ID: 0601050-004B Client Sample ID: <i>BH-36-S</i>				
IVJV				Collectio		/10/06 14:	·20		
L				Date Rec		/12/06 0:0			
5 26	Sample Size	- 20 a		PrepDat		17/06 12:			
5	%Moisture			BatchNo		17/00 12. 79/R4377	JUV A		
1/06 10:15:49 A	TestCode:	8270S TA	GML			AMP-N3	864.D		
	Result Qu	al PQL		MDL	Units	DF	Date Analyze		
ORGANIC COMP	OUNDS BY GC	/MS	SW	8270C		SW3550E	3)		
8	ND	1700	•	11	μg/Kg-dry		01/25/06 7:07		
	ND	8700		550	µg/Kg-dry		01/25/06 7:07		
	ND	1700		19	µg/Kg-dry		01/25/06 7:07		
nethane	ND	1700		6.6	µg/Kg-dry		01/25/06 7:07		
er	ND	1700		9.8	µg/Kg-dry		01/25/06 7:07		
l)ethe <b>r</b>	ND	1700		9.8	µg/Kg-dry		01/25/06 7:07		
alate	ND	1700		57	µg/Kg-dry		01/25/06 7:07		
e .	ND	1700		11	µg/Kg-dry		01/25/06 7:07		
	ND	1700		8.2	μg/Kg-dry		01/25/06 7:07		
	ND	1700		14	µg/Kg-dry		01/25/06 7:07		
	ND	1700		8.2	µg/Kg-dry		01/25/06 7:07		
ne	ND	1700		6,9	μg/Kg-dry		01/25/06 7:07		
	ND	1700		7.5	µg/Kg-dry		01/25/06 7:07		
	ND	1700		12	µg/Kg-dry		01/25/06 7:07		
	ND	1700		8.8	µg/Kg-dry		01/25/06 7:07		
	ND	1700		8.0	µg/Kg-dry		01/25/06 7:07		
-	ND	1700		8.6	µg/Kg-dry		01/25/06 7:07		
	ND	1700		14	µg/Kg-dry		01/25/06 7:07		
•	ND	1700	-	18	µg/Kg-dry		01/25/06 7:07		
adiene	ND	1700		67	µg/Kg-dry		01/25/06 7:07		
	ND	1700		19	µg/Kg-dry		01/25/06 7:07		
ne	ND	1700		6.9	µg/Kg-dry		01/25/06 7:07		
	ŇD	1700		8.3	µg/Kg-dry		01/25/06 7:07		
amine	. ND	1700		15	µg/Kg-dry		01/25/06 7:07		
ine	ND	1700		8.2	µg/Kg-dry		01/25/06 7:07		
	ND	1700		5.2	µg/Kg-dry		01/25/06 7:07		
	ND	1700		10	µg/Kg-dry		01/25/06 7:07		
	ND	8700		140	µg/Kg-dry		01/25/06 7:07		
÷	ND	1700		6.2	µg/Kg-dry		01/25/06 7:07		
•	ND	1700		7.0	µg/Kg-dry		01/25/06 7:07		
	ND	1700		8.3	µg/Kg-dry		01/25/06 7:07		
ophenol	82.7	20-143		0	%REC	5	01/25/06 7:07		
enyl	79.9	46-130		0	%REC	5	01/25/06 7:07		
ol	67.3	22-130		0	%REC	5	01/25/06 7:07		
⊢d5	65.6	39-130			%REC	5	01/25/06 7:07		
Analyte detected in t	he associated Metho	d Blank		E Value	exceeds the instru	ment calibra	ation range		
				J Analyt	e detected below	the PQL			
Not Detected at the I	Practical Quantitatio	n Limit (PQL)		P Prim./(	Conf. column %D	or RPD exc	ceeds limit		
Ana Hol Noi	alyte detected in t ding times for pro Detected at the F	alyte detected in the associated Metho ding times for preparation or analysis Detected at the Practical Quantitatio	alyte detected in the associated Method Blank ding times for preparation or analysis exceeded Detected at the Practical Quantitation Limit (PQL)	alyte detected in the associated Method Blank ding times for preparation or analysis exceeded Detected at the Practical Quantitation Limit (PQL)	alyte detected in the associated Method Blank     E     Value       ding times for preparation or analysis exceeded     J     Analyte       Detected at the Practical Quantitation Limit (PQL)     P     Prim./(C	alyte detected in the associated Method Blank E Value exceeds the instru ding times for preparation or analysis exceeded J Analyte detected below	alyte detected in the associated Method Blank       E       Value exceeds the instrument calibriding times for preparation or analysis exceeded         J       Analyte detected below the PQL         Detected at the Practical Quantitation Limit (PQL)       P         P       Prim./Conf. column %D or RPD exceeds		

83.0

**Analytical Results** 

01/25/06 7:07

E	ast Syracuse, NY 130	57 (315	6) 437-0200	StateCertNo: 10155				
CLIENT:	O'Brien & Gere Engin	eers, Inc.		Lab ID:	0	601050-0	04B	
Project:	Geneva Foundry			Client Sample ID: BH-36-S				
W Order:	0601050			<b>Collection Date:</b>		1/10/06 14	k:20	
Matrix:	SOIL			Date Received:	. 0	1/12/06 0:	00	
Inst. ID:	MS05 26	Sample Size	:: 30 g	PrepDate:	0	1/17/06 12	:00 A	
ColumnID:	ZB-5	%Moisture		BatchNo:	2	379/R4377	<b>7</b> .	
Revision:	01/31/06 10:15:49 A	TestCode:	8270S TAGML	FileD:	1.	SAMP-N	3864.D	
Analyte		Result Q	ual PQL	MDL Un	its	DF	Date Analyzed	
SEMIVOLAT		UNDS BY GC	/MS SW	8270C		(SW3550	B)	
Surr: Pheno	· · · · ·	67.3	33-130	0 %R	EC	5	01/25/06 7:07	

36-146

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Qualifiers:

Surr: Terphenyl-d14

- В Analyte detected in the associated Method Blank Н Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits .
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL

%REC

5

P Prim./Conf. column %D or RPD exceeds limit

L.	ast Syracuse, NY 130	57 (315	) 437-0200			Stat	eCertNo:	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601050 SOIL	eers, Inc.			Lab ID:         0601050-004B           Client Sample ID:         BH-36-S           Collection Date:         01/10/06 14:20           Date Received:         01/12/06 0:00			
ColumnID:	MS05 26 ZB-5 01/31/06 10:37:14 A	Sample Size %Moisture: TestCode:		GML	PrepDate: BatchNo: FileID:	237	17/06 12:0 79/R4381 LA-N3955.1	
Analyte		Result Qu	·······		MDL	Units	DF	Date Analyze
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC/	MS	SM	8270C		SW3550B)	
1,2,4-Trichlorol		ND	1700	311	14	رہ µg/Kg-dry		01/30/06 23:40
,2-Dichlorobe		ND	1700		12	µg/Kg-dry		01/30/06 23:40
3-Dichlorobe	nzene	ND	1700		8,2	µg/Kg-dry		01/30/06 23:40
4-Dichlorobe		ND	1700		9.8	µg/Kg-dry		01/30/06 23:40
4,5-Trichlorop		ND '	8700		170	µg/Kg-dry		01/30/06 23:40
4,6-Trichlorop		ND	1700		16	µg/Kg-dry		01/30/06 23:40
4-Dichlorophe	enol	ND	1700		16	µg/Kg-dry		01/30/06 23:40
4-Dimethylph	enol	ND	1700		15	µg/Kg-dry		01/30/06 23:40
4-Dinitrophen	ol	ND	8700		310	µg/Kg-dry		01/30/06 23:40
4-Dinitrotolue	ne	ND	1700		14	µg/Kg-dry		01/30/06 23:40
6-Dinitrotolue	ne	ND	1700		17	µg/Kg-dry		01/30/06 23:40
Chloronaphth	alene	ND	1700		8.2	µg/Kg-dry		01/30/06 23:40
Chlorophenol		ND	1700		11	µg/Kg-dry		01/30/06 23:40
Methylnaphth	alene	ND	1700		8.3	µg/Kg-dry		01/30/06 23:40
Methylphenol		ND	1700		11	µg/Kg-dry		01/30/06 23:40
Nitroaniline	• • • • • •	ND	8700		18	µg/Kg-dry		01/30/06 23:40
Nitrophenol		ND	1700		20	µg/Kg-dry		01/30/06 23:40
3'-Dichlorobe	nzidine	ND	3400		42	µg/Kg-dry		01/30/06 23:40
Nitroaniline		ND	8700		59	µg/Kg-dry		01/30/06 23:40
6-Dinitro-2-me	ethylphenol	ND	8700		140	µg/Kg-dry		01/30/06 23:40
Bromophenyl	phenyl ether	ND	1700		12	µg/Kg-dry		01/30/06 23:40
Chloro-3-meti	hylpheno!	ND	1700		14	µg/Kg-dry		01/30/06 23:40
Chloroaniline		ND	1700		21	µg/Kg-dry		01/30/06 23:40
Chlorophenyl	phenyl ether	ND	1700		13	µg/Kg-dry		01/30/06 23:40
Methylphenol		ND ·	1700		9.9	µg/Kg-dry		01/30/06 23:40
Nitroaniline		ND	8700		29	µg/Kg-dry		01/30/06 23:40
Nitrophenol		ND	8700		69	µg/Kg-dry		01/30/06 23:40
cenaphthene		ND	1700		6.1	µg/Kg-dry		01/30/06 23:40
enaphthylene	•	ND	1700		7.7	µg/Kg-dry		01/30/06 23:40
niline 👘		ND	1700		21	µg/Kg-dry		01/30/06 23:40
thracene		ND	1700		7.0	µg/Kg-dry		01/30/06 23:40
nzo[a]anthrac	cene	ND	1700		7.3	µg/Kg-dry		01/30/06 23:40
nzo[a]pyrene		ND	1700		8.6	µg/Kg-dry		01/30/06 23:40
enzo[b]fluoran	thene	ND	1700		12	µg/Kg-dry		01/30/06 23:40
enzo[g,h,l]pery	viene	ND	1700		8.7	µg/Kg-dry		01/30/06 23:40
ualifiers:	B Analyte detected in the	associated Method	d Blank		E Value exe	ceeds the instru	ment calibrat	ion range
	H Holding times for prep	aration or analysis	exceeded		J Analyte o	letected below i	he PQL	
	ND Not Detected at the Pra							

#### Life Science Laboratories, Inc.

## LSL Store Laboratories, Inc.

CLIENT:O'Brien & Gere EngineProject:Geneva FoundryW Order:0601050Matrix:SOIL					Client S Collection Date Re	Lab ID:         0601050-004B           Client Sample ID:         BH-36-S           Collection Date:         01/10/06 14:20           Date Received:         01/12/06 0:00			
Inst. ID: ColumnID: Revision:	: ZB	05 26 -5 31/06 10:37:14 A	Sample Size %Moisture: TestCode:	-	PrepDa BatchNo L FileID:		1		
Analyte			Result Qu	al PQL	MDL	Units DF	Date Analyze		
SEMIVOLA	TILE	ORGANIC COMPO	UNDS BY GC	MS S	W8270C	(SW3550	<b>)B)</b>		
Benzo[k]fluor	anthei	ne	ND	1700	11	µg/Kg-dry 5	01/30/06 23:40		
Benzoic acid			• ND	8700	550	µg/Kg-dry 5	01/30/06 23:40		
Benzyl alcoho	bla j		ND	1700	19	µg/Kg-dry 5	01/30/06 23:40		
ois(2-Chloroe			ND	1700	6.6	µg/Kg-dry 5	01/30/06 23:40		
ois(2-chloroet			ND	1700	9.8	μ <b>g/Kg-d</b> ry 5	01/30/06 23:40		
is(2-chlorois	oprop	yl)ether	ND	1700	9.8	µg/Kg-dry 5	01/30/06 23:40		
is(2-Ethylhe)			ND	1700	57	µg/Kg-dry 5	01/30/06 23:40		
Butyl benzyl p	hthala	ite .	ND	1700	11	µg/Kg-dry 5	01/30/06 23:40		
Chrysene			ND	1 <b>700</b>	8.2	µg/Kg-dry 5	01/30/06 23:40		
Di-n-butyl pht	halate	•	ND	1700	14	µg/Kg-dry 5	01/30/06 23:40		
Di-n-octyl phtl	halate		ND	1700	8.2	µg/Kg-dry 5	01/30/06 23:40		
)ibenz[a,h]an	thrace	ene	ND	1700	6. <del>9</del>	µg/Kg-dry 5	01/30/06 23:40		
Dibenzofuran			ND	1700	7.5	µg/Kg-dry 5	01/30/06 23:40		
)iethyl phthal			ND	1700	12	µg/Kg-dry 5	01/30/06 23:40		
imethyl phth	alate	н. 1	ND	1700	8.6	µg/Kg-dry 5	01/30/06 23:40		
luoranthene		· .	ND	1700	6.0	µg/Kg-dry 5	01/30/06 23:40		
luorene			ND	1700	8.6	µg/Kg-dry 5	01/30/06 23:40		
exachiorobe	nzene	I .	ND	1700	14	µg/Kg-dry 5	01/30/06 23:40		
fexachlorobu		-	• ND	1700	18	µg/Kg-dry 5	01/30/06 23:40		
fexachlorocy	cloper	tadiene	ND .	1700	67	µg/Kg-dry 5	01/30/06 23:40		
iexachioroeth	nane		ND	1700	19	µg/Kg-dry 5	01/30/06 23:40		
ndeno[1,2,3-c	<b>cd]py</b> n	ene	ND	1700	6. <del>9</del>	µg/Kg-dry 5	01/30/06 23:40		
sophorone			ND	1700	8.3	µg/Kg-dry 5	01/30/06 23:40		
I-Nitroso-di-n	-propy	lamine	ND	1700	15	µg/Kg-dry 5	01/30/06 23:40		
Nitrosodiph	enylar	nine	ND	1700	8.2	µg/Kg-dry 5	01/30/06 23:40		
laphthaiene			ND	1700	5.2	µg/Kg-dry 5	01/30/06 23:40		
litrobenzene			ND	1700	10	µg/Kg-dry 5	01/30/06 23:40		
entachloroph	nenol		ND	8700	140	µg/Kg-dry 5	01/30/06 23:40		
henanthrene			ND	1700	6.2	µg/Kg-dry 5	01/30/06 23:40		
henol			ND	1700	7.0	µg/Kg-diy 5	01/30/06 23:40		
yrene			ND	1700	8.3	µg/Kg-dry 5	01/30/06 23:40		
Surr: 2,4,6-	Tribro	mophenol	76.8	20-143	0	%REC 5	01/30/06 23:40		
Surr: 2-Fluo	robipl	nenyi	73.9	46-130	0	%REC 5	01/30/06 23:40		
Surr: 2-Fluo	rophe	no!	55.6	22-130	0	%REC 5	01/30/06 23:40		
Surr: Nitrob	enzer	e-d5	64.8	39-130	0	%REC 5	01/30/06 23:40		
Qualifiers:	В	Analyte detected in the	associated Metho	d Blank	E Value	exceeds the instrument cali	bration range		
	н	Holding times for prep	aration or analysis	exceeded	J Analy	te detected below the PQL			
	ND	Not Detected at the Pra			-	Conf. column %D or RPD	exceeds limit		
	S	Spike Recovery outsid	e accepted recover	v limits		•			

#### **Analytical Results**

E	ast Syracuse, NY 130	57 (315)	437-0200	•		tateCertNo: 1	0155	
CLIENT:	O'Brien & Gere Engin	eers, Inc.	. <u> </u>	Lab ID:		0601050-004	B	
Project:	Geneva Foundry			Client Sample	e ID:	BH-36-S		
W Order:	0601050			Collection Da	te:	01/10/06 14:20	)	
Matrix:	SOIL			Date Received	d:	01/12/06 0:00		
Inst. ID:	MS05 26	Sample Size:	: 30 g	PrepDate:		01/17/06 12:00	A	
ColumnID:	ZB-5	%Moisture:		BatchNo:		2379/R4381		
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAGML	FileID:		1-RA-N3955.E	)	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date	Analyzed
	ILE ORGANIC COMPO			82700		(SW3550B)		

SEMIVOLATILE ORGANIC (	COMPOUNDS BY GC	:/MS	SW8270C		(SW355	50B)
Surr. Phenol-d5	55.9	33-130	0	%REC	5	01/30/06 23:40
Surr. Terphenyl-d14	66.8	36-146	0	%REC	5	01/30/06 23:40

Qualifiers:

Analyte detected in the associated Method Blank В H Holding times for preparation or analysis exceeded Value exceeds the instrument calibration range

Prim./Conf. column %D or RPD exceeds limit

J Analyte detected below the PQL

ND Not Detected at the Practical Quantitation Limit (PQL)

Spike Recovery outside accepted recovery limits S

Print Date: 01/31/06 11:39

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#### Life Science Laboratories, Inc. **Analytical Results** LSL 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200 StateCertNo: 10155 CLIENT: O'Brien & Gere Engineers, Inc. Lab ID: 0601050-005B **Project:** Geneva Foundry Client Sample ID: BH-36-D W Order: 0601050 **Collection Date:** 01/10/06 14:30 Matrix: SOIL Date Received: 01/12/06 0:00 Inst. ID: MS05 26 Sample Size: 30 g **PrepDate:** 01/17/06 12:00 A ColumnID: ZB-5 %Moisture: 10.4 BatchNo: 2379/R4377 **Revision:** 01/31/06 10:15:49 A TestCode: FileID: 1-SAMP-N3865.D 8270S TAGML Analyte **Result Qual POL** MDL Units DF Date Analyzed SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS SW8270C (SW3550B) 1,2,4-Trichlorobenzene ND µg/Kg-dry 1 370 2.9 01/25/06 7:45 1,2-Dichlorobenzene ND 370 2.6 µg/Kg-dry 1 01/25/06 7:45 1,3-Dichlorobenzene ND 370 1.8 µg/Kg-dry 1 01/25/06 7:45 1,4-Dichlorobenzene ND 370 2.1 µg/Kg-dry 1 01/25/06 7:45 2,4,5-Trichlorophenol ND 1900 37 µg/Kg-dry 1 01/25/06 7:45 2,4,6-Trichlorophenol ND 370 3.4 µg/Kg-dry 1 01/25/06 7:45 2,4-Dichlorophenol ND 370 3.4 µg/Kg-dry 1 01/25/06 7:45 2,4-Dimethylphenol ND 370 3.1 µg/Kg-dry 1 01/25/06 7:45 2,4-Dinitrophenol ND 1900 67 µg/Kg-dry 1 01/25/06 7:45 2,4-Dinitrotoluene ND 370 3.1 µg/Kg-dry 1 01/25/06 7:45 2.6-Dinitrotoluene ND 370 36 uo/Ko-dry 1 01/25/06 7:45 2-Chloronaphtha 01/25/06 7:45 2-Chlorophenol 01/25/06 7:45

		3/0	3.0	µg/r∖g-ary i
2-Chloronaphthalene	ND .	370	1.8	µg/Kg-dry 1
2-Chlorophenol	ND	370	2.4	µg/Kg-dry 1
2-Methylnaphthalene	ND	370	1.8	µg/Kg-dry 1
2-Methylphenol	ND	370	2.3	µg/Kg-dry_1
2-Nitroaniline	ND	1900	3.9	µg/Kg-dry 1
2-Nitrophenol	ND	370	4.2	µg/Kg-dry 1
3,3'-Dichlorobenzidine	ND	740	9.1	µg/Kg-dry 1
3-Nitroaniline	ND	1900	13	µg/Kg-dry 1
4,6-Dinitro-2-methylphenol	ND	1900	30	µg/Kg-dry 1
4-Bromophenyl phenyl ether	ND	370	2.6	µg/Kg-dry 1
4-Chloro-3-methylphenol	ND	370	2.9	μg/Kg-dry 1
4-Chloroaniline	ND	370	4.5	µg/Kg-dry 1
4-Chlorophenyl phenyl ether	ND	370	2.8	µg/Kg-dry 1
4-Methylphenol	ND	370	2.1	µg/Kg-dry 1
4-Nitroaniline	ND	1900	6.2	µg/Kg-dry 1

370

370

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4-Chloro-3-methylphenol	ND	370	2.9	
4-Chloroaniline	ND	370	4.5	
4-Chiorophenyi phenyi ether	ND	370	2.8	
4-Methylphenol	ND	370	2.1	
4-Nitroaniline	ND	1900	6.2	
4-Nitrophenol	ND	1900	15	
Acenaphthene	ND	370	1.3	
Acenaphthylene	ND	370	1.7	

ND

ND

ND

ND

ND

ND

Qualifiers:

Benzo[a]anthracene

Benzo[b]fluoranthene

Benzo[g,h,l]perylene

Benzo[a]pyrene

Aniline

Anthracene

Analyte detected in the associated Method Blank В H

Holding times for preparation or analysis exceeded I

ND Not Detected at the Practical Quantitation Limit (PQL)

Spike Recovery outside accepted recovery limits

Analyte detected below the PQL

µg/Kg-dry 1

Prim./Conf. column %D or RPD exceeds limit

Value exceeds the instrument calibration range

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4.6

1.5

1.6

1.8

2.7

1.9

Е

01/25/06 7:45

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01/25/06 7:45

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601050 SOIL	neers, Inc.			Lab ID:         0601050-005B           Client Sample ID:         BH-36-D           Collection Date:         01/10/06 14:30           Date Received:         01/12/06 0:00				
ColumnID:	MS05 26 ZB-5 01/31/06 10:15:49 A	Sample Size %Moisture:	10.4		PrepDate: BatchNo:	: 0 2	)1/17/06 1 379/R43	2:00 A 77	
Analyte	01/51/00 10:15:49 A	TestCode: Result Qu	8270S TA	GML	FileID: MDL		-SAMP-? DF		
						Units		Date Analyze	
Senzo[k]fluorar	ILE ORGANIC COMPO	NDS BY GC/	MS 370	SW	8270C		(SW355	•	
enzoic acid		ŇD	370 1900		2.4 120	µg/Kg-d	-	01/25/06 7:45	
enzyl alcohol	1	ND	370		4.1	µg/Kg-d		01/25/06 7:45	
is(2-Chloroeth	loxy)methane	ND	370		1.4	⊢µg/Kg-d		01/25/06 7:45	
is(2-chloroeth		ND	370		1.4 2.1	µg/Kg-d µg/Kg-d	-	01/25/06 7:45 01/25/06 7:45	
is(2-chloroiso		ND	370		2.1	µg/Kg-d µg/Kg-d	-	01/25/06 7:45	
s(2-Ethylhexy		ND	370		12	µg/Kg-d		01/25/06 7:45	
utyl benzyl ph		ND	370		2.4	µg/Kg-d	-	01/25/06 7:45	
hrysene		ND	370		1.8	µg/Kg-d	-	01/25/06 7:45	
-n-butyl phtha	alate	38 J	370		3.1	μg/Kg-d	-	01/25/06 7:45	
-n-octyl phtha	late	ND	370		1.8	µg/Kg-d	-	01/25/06 7:45	
benz[a,h]anth	aracene	ND	370		1.5	µg/Kg-d	-	01/25/06 7:45	
benzofuran		ND	370		1.6	µg/Kg-d		01/25/06 7:45	
ethyl phinalat	e	ND	370		2.7	µg/Kg-d	-	01/25/06 7:45	
imethyl phthal	ate	ND	370		1.9	µg/Kg-di		01/25/06 7:45	
uoranthene .	•	ND.	370		1.7	µġ/Kg-di	-	01/25/06 7:45	
uorene		ND	370		1.8	µg/Kg-di	-	01/25/06 7:45	
exachlorobena	tene	ND	370		2.9	µg/Kg-di	-	01/25/06 7:45	
exachiorobuta	•	ND	370		3.9	μg/Kg-di	-	01/25/06 7:45	
exachlorocycle	opentadiene	ND	370		14	µg/Kg-di		01/25/06 7:45	
exachloroetha		ND	370		4.0	µg/Kg-di	-	01/25/06 7:45	
deno[1,2,3-cd	]рулепе	ND	370		1.5	µg/Kg-di	-	01/25/06 7:45	
ophorone		ND	370		1.8	μg/Kg-di	-	01/25/06 7:45	
Nitroso-di-n-p		ND	370		3.2	µg/Kg-di	<b>y</b> _1	01/25/06 7:45	
Nitrosodipher	iylamine	ND	370		1.8	µg/Kg-di	у 1	01/25/06 7:45	
aphthaiene		ND	370		<b>1.1</b>	µg/Kg-di	у 1	01/25/08 7:45	
trobenzene	_	ND	370		2.2	µg/Kg-di	<b>y</b> , 1 ·	01/25/06 7:45	
ntachlorophe	nol	ND	1900		31	µg/Kg-di	у 1	01/25/06 7:45	
enanthrene		ND	370		1.3	µg/Kg-dr		01/25/06 7:45	
enol		ND	370		1.5	µg/Kg-dr	y 1	01/25/06 7:45	
rene Ourse o dio Ta	4	ND	370		1.8	µg/Kg-dr	y_1	01/25/08 7:45	
	ibromopheno!	89.4	20-143		0	%REC	່1	01/25/06 7:45	
Surr. 2-Fluoro		76.7	46-130		0	%REC	1	01/25/06 7:45	
Surr: 2-Fluoro	•	64.6	22-130		0	%REC	1	01/25/06 7:45	
Surr: Nitrober	IZENG-05	88.1	39-130		0	%REC	1	01/25/06 7:45	

**Analytical Results** 

01/25/06 7:45

	ast Syracuse, NY 130	57 (315)	437-0200		5	StateCertNo	: 10155
CLIENT: Project: W Order: Matrix: Inst. ID: ColumnID; Revision:	O'Brien & Gere Engin Geneva Foundry 0601050 SOIL MS05 26 ZB-5 01/31/06 10:15:49 A	Sample Size: %Moisture:		Lab ID: Client Sam Collection Date Recei PrepDate: BatchNo: ML FileID:	Date: ved:	<b>0601050-0</b> <b>BH-36-D</b> 01/10/06 14 01/12/06 0:0 01/17/06 12 2379/R4377 1-SAMP-N3	:30 00 :00 A
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLAT Surr: Pheno Surr: Terpho		UNDS BY GC/ 65.7 83.9	MS 33-130 36-146	SW8270C 0 0	%REC %REC	•	3) 01/25/06 7:45 01/25/06 7:45

36-146

0

%REC

1

Qualifiers:

B Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded Η. ND Not Detected at the Practical Quantitation Limit (PQL) S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit Р

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander

226

LSL	Life Science ] 000 Brittonfield Parkw ast Syracuse, NY 130	vay, Suite 200	OTIES, INC.	•	Analyt StateCertNo	ical Result
CLIENT: Project: W Order:	O'Brien & Gere Engin Geneva Foundry 0601050		) 437-0200	Lab ID: Client Sau Collection	0601050-0 1ple ID: <i>BH-36-D</i>	)05B
Matrix:	SOIL			Date Recei		
Inst. ID:	MS05 26	Sample Size	• 20 ~	PrepDate:	-	
ColumnID:		%Moisture:		BatchNo:		
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAGML		1-RA-N395	•
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC		8270C	(SW3550)	B)
,2,4-Trichloro		ND	370	2,9	ug/Kg-dry 1	01/31/06 0:55
,2-Dichlorobe		ND	370	2.5	μg/Kg-dry 1	01/31/06 0:55
,3-Dichlorobe		ND	370	1.8	µg/Kg-dry 1	01/31/06 0:55
,4-Dichlorobe		ND	370	2.1	µg/Kg-dry 1	01/31/06 0:55
4,5-Trichloro		ND	1900	37	µg/Kg-dry 1	01/31/06 0:55
4,6-Trichloro	-	ND	370	3.4	µg/Kg-dry 1	01/31/06 0:55
4-Dichloroph	•	ND	370	3.4	µg/Kg-dry 1	01/31/08 0:55
4-Dimethylph		ND	370	3.1	µg/Kg-dry 1	01/31/06 0:55
4-Dinitropher		ND	1900	67	µg/Kg-dry 1	01/31/06 0:55
4-Dinitrotolue		ND	370	3.1	µg/Kg-dry 1	01/31/06 0:55
6-Dinitrotolue		ND	370	3.6	µg/Kg-dry 1	01/31/06 0:55
Chioronapht		ND	370	1.8	µg/Kg-dry 1	01/31/06 0:55
Chloropheno		ND	370	2.4	µg/Kg-dry 1	01/31/06 0:55
Methylnaphth		ND	370	1.8	µg/Kg-dry 1	01/31/06 0:55
Methylpheno		ND	370	2.3	ug/Kg-dry 1	01/31/06 0:55
Nitroaniline		ND	1900	3.9	µg/Kg-dry 1	01/31/06 0:55
Nitrophenol		ND	370	4.2	µg/Kg-dry 1	01/31/06 0:55
3'-Dichlorobe	enzidine	ND	740	9.1	µg/Kg-dry 1	01/31/06 0:55
Nitroaniline		ND	1900	13	µg/Kg-dry 1	01/31/06 0:55
6-Dinitro-2-m	ethylphenol	ND	1900	30	µg/Kg-dry 1	01/31/06 0:55
	I phenyl ether	ND	370	2.6	µg/Kg-dry 1	01/31/06 0:55
Chloro-3-met		ND	370	2.9	µg/Kg-dry 1	01/31/06 0:55
Chloroaniline	• •	ND	370	4.5	µg/Kg-dry 1	01/31/06 0:55
Chlorophenyl	i phenyi ether	ND	370	2.8	µg/Kg-dry 1	01/31/06 0:55
Methylphenol	•	ND	370	2.1	µg/Kg-dry 1	01/31/06 0:55
Nitroaniline		ND	1900	6.2	ug/Kg-dry 1	01/31/06 0:55
Nitrophenol		ND	1900	15	µg/Kg-dry 1	01/31/06 0:55
cenaphthene	•	ND	370	1.3	µg/Kg-dry 1	01/31/06 0:55
enaphthylen	e	ND	370	1.7	µg/Kg-dry 1	01/31/06 0:55
niline		ND	370	4.6	µg/Kg-dry 1	01/31/06 0:55
ithracene	· .	ND	370	1.5	µg/Kg-dry 1	01/31/06 0:55
enzo[a]anthra	cene	ND	370	1.6	ug/Kg-dry 1	01/31/06 0:55
enzo[a]pyrene		ND	370	1.8	µg/Kg-dry 1	01/31/06 0:55
enzo[b]fluorar		ND	370	2.7	µg/Kg-dry 1	01/31/06 0:55
enzo[g,h,l]per		ND	370	1.9	µg/Kg-dry 1	01/31/06 0:55
Qualifiers:	B Analyte detected in the	associated Metho	d Blank	E Value ex	ceeds the instrument calib	ration range
	H Holding times for prep	aration or analysis	exceeded		letected below the PQL	7
	ND Not Detected at the Pre	-			nf. column %D or RPD ex	ceeds limit
	S Spike Recovery outside				···	

Project Supervisor: Thomas A. Alexander

**Analytical Results** 

CLIENT: O'Brien & Gere Engine Project: Geneva Foundry W Order: 0601050 Matrix: SOIL		· .	Collectio Date Rec	eived: 01/12/06 0:0	:30 00
Inst. ID:         MS05 26           ColumnID:         ZB-5           Revision:         01/31/06 10:37:14 A	Sample Size %Moisture: TestCode:		PrepDat BatchNo L FileID:		
Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPO	UNDS BY GC	MS S	W8270C	(SW3550E	3)
Benzo[k]fluoranthene	ND	370	2.4	µg/Kg-dry 1	01/31/06 0:55
Benzoic acld	ND	1900	120	µg/Kg-dry 1	01/31/06 0:55
Benzyt alcohol	ND	370	4.1	µg/Kg-dry 1	01/31/06 0:55
bis(2-Chloroethoxy)methane	ND	370	1.4	µg/Kg-dry 1	01/31/06 0:55
bis(2-chloroethyi)ether	ND	370	2.1	µg/Kg-dry 1	01/31/06 0:55
pis(2-chloroisopropyl)ether	ND	370	2.1	µg/Kg-dry 1	01/31/06 0:55
bis(2-Ethylhexyl)phthalate	ND	370	12	µg/Kg-dry 1	01/31/06 0:55
Butyl benzyl phthalate	ND	370	2.4	µg/Kg-dry 1	01/31/06 0:55
Chrysene	ND	370	1.8	µg/Kg-dry 1	01/31/06 0:55
)i-n-butyl phthalate	39 J	370	3.1	µg/Kg-dry 1	01/31/06 0:55
0i-n-octyl phthalate	ND	370	1.8	µg/Kg-dry 1	01/31/06 0:55
Dibenz[a,h]anthracene	ND	370	1.5	µg/Kg-dry 1	01/31/06 0:55
Dibenzofuran	ND	370	1.6	µg/Kg-dry 1	01/31/06 0:55
Diethyl phthalate	ND	370	2.7	µg/Kg-dry 1	01/31/06 0:55
Dimethyl phthalate	ND	370	1.9	µg/Kg-dry 1	01/31/06 0:55
luoranthene	ND	370	1.7	µg/Kg-dry 1	01/31/06 0:55
luorene	ND	370	1.8	µg/Kg-dry 1	01/31/06 0:55
lexachlorobenzene	ND	370	2.9	µg/Kg-dry 1	01/31/06 0:55
lexachlorobutadiene	ND	370	3.9	µg/Kg-dry 1	01/31/06 0:55
lexachlorocyclopentadiene	ND	370	14	µg/Kg-dry 1	01/31/06 0:55
lexachloroethane	ND	370	4.0	µg/Kg-dry 1	01/31/06 0:55
ideno[1,2,3-cd]pyrene	ND	370	1.5	µg/Kg-dry 1	01/31/06 0:55
ophorone	ND	370	1.8	µg/Kg-dry 1	01/31/06 0:55
-Nitroso-di-n-propylamine	ND	370	3.2	µg/Kg-dry 1	01/31/06 0:55
-Nitrosodiphenylamine	ND	370	1.8	µg/Kg-dry 1	01/31/06 0:55
aphthaiene	ND	370	1.1	µg/Kg-dry 1	01/31/06 0:55
itrobenzene	ND	370	2.2	µg/Kg-dry 1	01/31/06 0:55
entachiorophenoi	ND	1900	31	µg/Kg-dry 1	01/31/06 0:55
henanthrene	ND	370	1.3	µg/Kg-dry 1	01/31/06 0:55
henol	ND	370	1.5	µg/Kg-dry 1	01/31/06 0:55
yrene	NÓ	370	1.8	µg/Kg-dry 1	01/31/06 0:55
Surr. 2,4,6-Tribromophenol	97.0	20-143	. 0	%REC 1	01/31/06 0:55
Surr. 2-Fluorobiphenyl	84.7	46-130	0	%REC 1	01/31/06 0:55
Surr. 2-Fluorophenol	61.0	22-130	0	%REC 1 .	01/31/06 0:55
Surr: Nitrobenzene-d5	68.7	39-130	0	%REC 1	01/31/06 0:55

S Spike Recovery outside accepted recovery limits

Print Date: 01/31/06 11:39

## **Analytical Results**

01/31/06 0:55

F	Cast Syracuse, NY 130	57 (315)	437-0200		5	StateCertNo	<b>b:</b> 10155
CLIENT: Project: W Order: Matrix: Inst. ID: ColumnID: Revision:	O'Brien & Gere Engin Geneva Foundry 0601050 SOIL MS05 26 ZB-5 01/31/06 10:37:14 A	eers, Inc. Sample Size: %Moisture: TestCode:	-	Lab ID: Client Samp Collection D Date Receiv PrepDate: BatchNo: FileID:	ate:	0601050-0 BH-36-D 01/10/06 14 01/12/06 02 01/17/06 12 2379/R438 1-RA-N395	) 4:30 00 2:00 A 1
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLAT Surr: Pheno Surr: Terpho		OUNDS BY GC/ 59.5 90.3	MS SW 33-130 36-146	8270C	%REC	-	B) 01/31/06 0:55 01/31/08 0:55

36-146

0

%REC

Qualifiers:

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Value exceeds the instrument calibration range Е
- Analyte detected below the PQL J
- Р Prim./Conf. column %D or RPD exceeds limit

В

ColumnID:         ZB-5         %Moisture:         BatchNo:         2392/R4378           Revision:         01/31/06 10:18:39 A         TestCode:         8270W TAGML FileID:         1-SAMP-N3879.D           Analyte         Result Qual PQL         MDL         Units         DF         Date An           SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS         SW8270C         (SW3520C)         (SW3520C)           12.4-Trichlorobenzene         ND         11         0.077         µg/L         1         01/25/06 1           3.2-Dichlorobenzene         ND         11         0.055         µg/L         1         01/25/06 1           4.3-Trichlorophenzene         ND         11         0.055         µg/L         1         01/25/06 1           4.4-STrichlorophenol         ND         11         0.066         µg/L         1         01/25/06 1           4.4-STrichlorophenol         ND         11         0.066         µg/L         1         01/25/06 1           4.4-STrichlorophenol         ND         11         0.025         µg/L         1         01/25/06 1           4.4-Dirkrobuene         ND         11         0.066         µg/L         1         01/25/06 1           4.4-Dirkrobuene         ND         1	East Syracuse, NY 13	057 (315)	) 437-020	0			stateCertNo:	10155
Number         Nome         BatchNo:         2392/R4378           Revision:         01/31/06 10:18:39 A         TestCode:         8270W         TAGML         FileID:         1-SAMP-N3879.D           Analyte         Revision:         01/31/06 10:18:39 A         TestCode:         8270W         TAGML         FileID:         1-SAMP-N3879.D           Analyte         Revision:         01/31/06 10:18:39 A         TestCode:         8270W         TAGML         FileID:         1-SAMP-N3879.D           Analyte         Result Qual         PQL         MDL         Units         DF         Date An           SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS         SW8270C         (SW3520C)         (SW3520C)           1,2-Dichlorobenzene         ND         11         0.055         µg/L         1         01/25/06 1           1,4-Dichlorobenzene         ND         11         0.055         µg/L         1         01/25/06 1           2,4-Grichlorophenol         ND         11         0.068         µg/L         1         01/25/06 1           2,4-Dintrophenol         ND         11         0.025         µg/L         1         01/25/06 1           2,4-Dintrophenol         ND         11         0.025         µg/L         1	Project: Geneva Foundry W Order: 0601050	neers, Inc.			Client Sam Collection	Date:	<b>1/10 EOU</b> 01/10/06 16:0 01/12/06 0:00	<b>IP BLANK</b> 00 0
Revision:         01/31/06 10:18:39 A         TestCode:         8270W         TAGML FileID:         1-SAMP-N3879.D           Analyte         Result Qual PQL         MDL         Units         DF         Date Analyte           Analyte         Result Qual PQL         MDL         Units         DF         Date Analyte           Analyte         Result Qual PQL         MDL         Units         DF         Date Analyte           SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS         SW8270C         (SW3520C)         1.2.0:chlorobenzene         ND         11         0.055         µg/L         1         01/25/06 1           J.2.Dichlorobenzene         ND         11         0.065         µg/L         1         01/25/06 1           A.4.Firichlorophenol         ND         11         0.068         µg/L         1         01/25/06 1           A.4.Firichlorophenol         ND         11         0.025         µg/L         1         01/25/06 1           A-Dichlorophenol         ND         11         0.025         µg/L         1         01/25/06 1           A-Dintrotoluene         ND         11         0.068         µg/L         1         01/25/06 1           A-Dintrotoluene         ND         11         0.077 <th></th> <th>· · ·</th> <th></th> <th></th> <th>-</th> <th></th> <th></th> <th>00 A · .</th>		· · ·			-			00 A · .
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS         SW8270C         (SW3520C)           2.4-Trichlorobenzene         ND         11         0.077         µg/L         1         01/25/06 f           1.3-Dichlorobenzene         ND         11         0.065         µg/L         1         01/25/06 f           1.3-Dichlorobenzene         ND         11         0.066         µg/L         1         01/25/06 f           1.4-Dichlorobenzene         ND         11         0.065         µg/L         1         01/25/06 f           1.4-Dichlorobenzene         ND         11         0.066         µg/L         1         01/25/06 f           2.4-STrichlorophenol         ND         11         0.066         µg/L         1         01/25/06 f           2.4-Dichlorophenol         ND         11         0.066         µg/L         1         01/25/06 f           2.4-Dintrochuene         ND         11         0.066         µg/L         1         01/25/06 f           2.4-Dintrochuene         ND         11         0.088         µg/L         1         01/25/06 f           2.4-Dintrochuene         ND         11         0.0677         µg/L         1         01/25/06 f           2.4-Dintrochuene				TAGML				879.D
1,2,4-Trichlorobenzene         ND         11         0.077         µg/L         1         01/25/06           1,2-Dichlorobenzene         ND         11         0.065         µg/L         1         01/25/06           1,3-Dichlorobenzene         ND         11         0.066         µg/L         1         01/25/06           2,4,5-Trichlorophenol         ND         11         0.068         µg/L         1         01/25/06           2,4,5-Trichlorophenol         ND         11         0.068         µg/L         1         01/25/06           2,4-Dichtorobenzene         ND         11         0.068         µg/L         1         01/25/06           2,4-Dichlorophenol         ND         11         0.25         µg/L         1         01/25/06           2,4-Dinthyphenol         ND         11         0.265         µg/L         1         01/25/06           2,4-Dinthyphenol         ND         11         0.077         µg/L         1         01/25/06           2,6-Dinitrotoluene         ND         11         0.078         µg/L         1         01/25/06           2,6-Dintrophenol         ND         11         0.066         µg/L         1         01/25/06	Analyte	Result Qu	al PQL		MDL	Units	B DF	Date Analyze
2.4-Trichlorobenzene         ND         11         0.077         µg/L         1         01/25/06           2Dichlorobenzene         ND         11         0.065         µg/L         1         01/25/06           3Dichlorobenzene         ND         11         0.066         µg/L         1         01/25/06           4Dichlorobenzene         ND         11         0.066         µg/L         1         01/25/06           4Dichlorobenzene         ND         11         0.066         µg/L         1         01/25/06           4Dichlorophenol         ND         11         0.068         µg/L         1         01/25/06           4Dirictryphenol         ND         11         0.25         µg/L         1         01/25/06           4Dintrophenol         ND         11         0.25         µg/L         1         01/25/06           4Dintrophenol         ND         11         0.078         µg/L         1         01/25/06           4Dintrophenol         ND         11         0.078         µg/L         1         01/25/06           4.Dintrophenol         ND         11         0.077         µg/L         1         01/25/06           6.D	SEMIVOLATILE ORGANIC COMP	OUNDS BY GC	MS	SW	3270C		(SW3520C	)
Jointorochemister         ND         11         0.066         µg/L         1         01/25/06 1           J-Dichlorobenzene         ND         11         0.055         µg/L         1         01/25/06 1           J-A-Sinchlorophenol         ND         55         0.19         µg/L         1         01/25/06 1           J-A-Sinchlorophenol         ND         11         0.066         µg/L         1         01/25/06 1           J-Dinktorophenol         ND         11         0.066         µg/L         1         01/25/06 1           J-Dinktorophenol         ND         11         0.066         µg/L         1         01/25/06 1           J-Dinktoroblenzen         ND         11         0.068         µg/L         1         01/25/06 1           J-Dinktoroblenzen         ND         11         0.068         µg/L         1         01/25/06 1           J-Dinktoroblenzen         ND         11         0.066         µg/L         1         01/25/06 1           G-Dinktroblenzen         ND         11         0.066         µg/L         1         01/25/06 1           G-Dinktroblenzen         ND         11         0.077         µg/L         1         01/25/06 1	1				0.077	µg/L	1	01/25/06 19:55
3-Dichlorobenzene         ND         11         0.066         µg/L         1         01/25/06 1           4-Dichlorobenzene         ND         11         0.055         µg/L         1         01/25/06 1           4,6-Trichlorophenol         ND         55         0.19         µg/L         1         01/25/06 1           4,6-Trichlorophenol         ND         11         0.068         µg/L         1         01/25/06 1           4-Dichlorophenol         ND         11         0.068         µg/L         1         01/25/06 1           4-Dintrophenol         ND         11         0.068         µg/L         1         01/25/06 1           4-Dintrotoluene         ND         11         0.068         µg/L         1         01/25/06 1           6-Dintrotoluene         ND         11         0.077         µg/L         1         01/25/06 1           -Chloronaphthalene         ND         11         0.066         µg/L         1         01/25/06 1           -Methylphenol         ND         11         0.077         µg/L         1         01/25/06 1           -Nitroaniline         ND         11         0.077         µg/L         1         01/25/06 1	• •		-				1	01/25/06 19:55
4-Dichlorobenzene         ND         11         0.055         µg/L         1         01/25/06 f           4,6-Trichlorophenol         ND         55         0.19         µg/L         1         01/25/06 f           4,6-Trichlorophenol         ND         11         0.066         µg/L         1         01/25/06 f           4-Dichlorophenol         ND         11         0.066         µg/L         1         01/25/06 f           4-Dinthyphenol         ND         11         0.25         µg/L         1         01/25/06 f           4-Dinthyphenol         ND         11         0.088         µg/L         1         01/25/06 f           4-Dinthyphenol         ND         11         0.088         µg/L         1         01/25/06 f           4-Dinthyphenol         ND         11         0.077         µg/L         1         01/25/06 f           Chlorophenol         ND         11         0.055         µg/L         1         01/25/06 f           -Methylphenol         ND         11         0.077         µg/L         1         01/25/06 f           -Nitroaniline         ND         55         0.43         µg/L         1         01/25/06 f           -S	•						1	01/25/06 19:55
A,5-Trichlorophenol       ND       55       0.19       µg/L       1       01/25/06 1         A,6-Trichlorophenol       ND       11       0.066       µg/L       1       01/25/06 1         A-Dichlorophenol       ND       11       0.066       µg/L       1       01/25/06 1         A-Dintrophenol       ND       55       1.3       µg/L       1       01/25/06 1         A-Dintrophenol       ND       55       1.3       µg/L       1       01/25/06 1         A-Dintrophenol       ND       11       0.088       µg/L       1       01/25/06 1         A-Dintrophenol       ND       11       0.077       µg/L       1       01/25/06 1         Chlorophenol       ND       11       0.055       µg/L       1       01/25/06 1         -Chlorophenol       ND       11       0.055       µg/L       1       01/25/06 1         -Methylaphthalene       ND       11       0.077       µg/L       1       01/25/06 1         -Methylaphthalene       ND       55       0.43       µg/L       1       01/25/06 1         -Nitroaniline       ND       22       0.30       µg/L       1       01/25/06 1			-				1	01/25/06 19:55
A,6-Trichlorophenol         ND         11         0.068         µg/L         1         01/25/06           4-Dichlorophenol         ND         11         0.066         µg/L         1         01/25/06           4-Dimtrophenol         ND         11         0.25         µg/L         1         01/25/06           4-Dintrophenol         ND         11         0.088         µg/L         1         01/25/06           4-Dintrotoluene         ND         11         0.088         µg/L         1         01/25/06           6-Dintrotoluene         ND         11         0.088         µg/L         1         01/25/06           Chlorophenol         ND         11         0.088         µg/L         1         01/25/06           Chlorophenol         ND         11         0.088         µg/L         1         01/25/06           Chlorophenol         ND         11         0.077         µg/L         1         01/25/06           Methylphenol         ND         11         0.077         µg/L         1         01/25/06           Nitroaniline         ND         55         0.23         µg/L         1         01/25/06           G-Dinitro-2-methylphenol		-	-				` 1	01/25/06 19:55
A Dichlorophenol       ND       11       0.066       µg/L       1       01/25/06         4-Dinktophenol       ND       11       0.25       µg/L       1       01/25/06         4-Dinktophenol       ND       55       1.3       µg/L       1       01/25/06         4-Dinktophenol       ND       11       0.088       µg/L       1       01/25/06         4-Dinktophenol       ND       11       0.077       µg/L       1       01/25/06         6-Dinktrotoluene       ND       11       0.088       µg/L       1       01/25/06         Chlorophenol       ND       11       0.066       µg/L       1       01/25/06         Chlorophenol       ND       11       0.066       µg/L       1       01/25/06         Methylnaphthalene       ND       11       0.077       µg/L       1       01/25/06         Methylnaphthalene       ND       11       0.077       µg/L       1       01/25/06         Methylnaphthalene       ND       11       0.077       µg/L       1       01/25/06         Nitroaniline       ND       11       0.077       µg/L       1       01/25/06         S-Dinkt							-	01/25/06 19:55
Ability phenol         ND         11         0.25         µg/L         1         01/25/06           4-Dinitrophenol         ND         55         1.3         µg/L         1         01/25/06           4-Dinitrotoluene         ND         11         0.088         µg/L         1         01/25/06           6-Dinitrotoluene         ND         11         0.077         µg/L         1         01/25/06           6-Dinitrotoluene         ND         11         0.088         µg/L         1         01/25/06           Chlorophenol         ND         11         0.055         µg/L         1         01/25/06           -Methylaphthalene         ND         11         0.066         µg/L         1         01/25/06           -Methylaphthalene         ND         11         0.077         µg/L         1         01/25/06           -Methylaphtol         ND         11         0.077         µg/L         1         01/25/06           -Nitroaniline         ND         55         0.23         µg/L         1         01/25/06           -Nitroaniline         ND         11         0.46         µg/L         1         01/25/06           -Ghioro-S-methylphenol	•					-		01/25/06 19:55
4-Dinitrophenol       ND       55       1.3       µg/L       1       01/25/08         4-Dinitrotoluene       ND       11       0.088       µg/L       1       01/25/08         6-Dinitrotoluene       ND       11       0.077       µg/L       1       01/25/08         C-hloronsphthalene       ND       11       0.088       µg/L       1       01/25/08         C-hloronsphthalene       ND       11       0.088       µg/L       1       01/25/08         -Methylphenol       ND       11       0.066       µg/L       1       01/25/08         -Methylphenol       ND       11       0.066       µg/L       1       01/25/08         -Nitroaniline       ND       55       0.43       µg/L       1       01/25/08         -Nitroaniline       ND       11       0.077       µg/L       1       01/25/08         -Nitroaniline       ND       11       0.077       µg/L       1       01/25/08         -Stonophenyl phenyl ether       ND       11       0.077       µg/L       1       01/25/08         -Chloroaniline       ND       11       0.088       µg/L       1       01/25/08	•		-				1	01/25/06 19:55
4-Dinitrotoluene       ND       11       0.088       µg/L       1       01/25/06         6-Dinitrotoluene       ND       11       0.077       µg/L       1       01/25/06         Chloronaphthalene       ND       11       0.088       µg/L       1       01/25/06         Chlorophenol       ND       11       0.055       µg/L       1       01/25/06         Methylphenol       ND       11       0.066       µg/L       1       01/25/06         Methylphenol       ND       11       0.077       µg/L       1       01/25/06         Nitroaniline       ND       55       0.43       µg/L       1       01/25/06         Nitroaniline       ND       11       0.077       µg/L       1       01/25/06         Altroaniline       ND       11       0.077       µg/L       1       01/25/06         Altroaniline       ND       11       0.077       µg/L       1       01/25/06         Altroaniline       ND       11       0.46       µg/L       1       01/25/06         Chlorophenyl phenyl ether       ND       11       0.777       µg/L       1       01/25/06         Chloropheny	·		-				1	01/25/06 19:55
ND         ND<			-				-	01/25/06 19:55
Chloronaphthalene         ND         11         0.088         µg/L         1         01/25/06           Chlorophenol         ND         11         0.055         µg/L         1         01/25/06           -Methylnaphthalene         ND         11         0.066         µg/L         1         01/25/06           -Methylnaphthalene         ND         11         0.077         µg/L         1         01/25/06           -Methylnaphthalene         ND         11         0.077         µg/L         1         01/25/06           -Methylnaphthalene         ND         55         0.43         µg/L         1         01/25/06           -Nitroaniline         ND         11         0.077         µg/L         1         01/25/06           -Nitroaniline         ND         11         0.46         µg/L         1         01/25/06           -Ghloro-3-methylphenol         ND         11         0.088         µg/L         1         01/25/06           -Chloroaniline         ND         11         0.077         µg/L         1         01/25/06           -Chloroaniline         ND         11         0.077         µg/L         1         01/25/06           -Nitropheno					-			01/25/06 19:55
Chlorophenol         ND         11         0.055         µg/L         1         01/25/06           -Methylnaphthalene         ND         11         0.066         µg/L         1         01/25/06           -Methylphenol         ND         11         0.077         µg/L         1         01/25/06           -Nitroaniline         ND         55         0.43         µg/L         1         01/25/06           -Nitroaniline         ND         11         0.077         µg/L         1         01/25/06           -Nitroaniline         ND         22         0.30         µg/L         1         01/25/06           -Nitroaniline         ND         55         0.23         µg/L         1         01/25/06           -Nitroaniline         ND         11         0.46         µg/L         1         01/25/06           -Chlorophenyl phenyl ether         ND         11         0.088         µg/L         1         01/25/06           -Chlorophenyl phenyl ether         ND         11         0.077         µg/L         1         01/25/06           -Chlorophenyl phenyl ether         ND         11         0.077         µg/L         1         01/25/06           -Nit	•	_				• • •	-	01/25/06 19:55
Methylnaphthalene         ND         11         0.066         µg/L         1         01/25/08           -Methylphenol         ND         11         0.077         µg/L         1         01/25/06           -Nitroaniline         ND         55         0.43         µg/L         1         01/25/06           -Nitroaniline         ND         55         0.43         µg/L         1         01/25/06           -Nitroaniline         ND         11         0.077         µg/L         1         01/25/06           -Nitroaniline         ND         55         0.23         µg/L         1         01/25/06           -Nitroaniline         ND         11         0.46         µg/L         1         01/25/06           -Chloro-3-methylphenol         ND         11         0.46         µg/L         1         01/25/06           -Chloroaniline         ND         11         0.077         µg/L         1         01/25/06           -Chloroaniline         ND         11         0.077         µg/L         1         01/25/06           -Chloroaniline         ND         11         0.077         µg/L         1         01/25/06           -Nitroaniline         N	-							01/25/06 19:55
Mithylphenol         ND         11         0.077         µg/L         1         01/25/06           -Methylphenol         ND         11         0.077         µg/L         1         01/25/06           -Nitropaniline         ND         55         0.43         µg/L         1         01/25/06           -Nitrophenol         ND         11         0.077         µg/L         1         01/25/06           -Nitrophenol         ND         12         0.30         µg/L         1         01/25/06           -Nitrophenol         ND         55         0.23         µg/L         1         01/25/06           -Nitropaniline         ND         11         0.46         µg/L         1         01/25/06           -Chloro-3-methylphenol         ND         11         0.088         µg/L         1         01/25/06           -Chloroaniline         ND         11         0.077         µg/L         1         01/25/06           -Chlorophenyl phenyl ether         ND         11         0.077         µg/L         1         01/25/06           -Chlorophenyl phenyl ether         ND         11         0.077         µg/L         1         01/25/06           -Nitrophenol<	-		-					01/25/06 19:55
Nitroaniline         ND         55         0.43         µg/L         1         01/25/06           -Nitrophenol         ND         11         0.077         µg/L         1         01/25/06           -Nitrophenol         ND         11         0.077         µg/L         1         01/25/06           -Nitroaniline         ND         22         0.30         µg/L         1         01/25/06           -Nitroaniline         ND         55         0.23         µg/L         1         01/25/06           -Aitroaniline         ND         11         0.46         µg/L         1         01/25/06           -Bromophenyl phenyl ether         ND         11         0.088         µg/L         1         01/25/06           -Chloroaniline         ND         11         0.077         µg/L         1         01/25/06           -Chlorophenyl phenyl ether         ND         11         0.077         µg/L         1         01/25/06           -Methylphenol         ND         11         0.077         µg/L         1         01/25/06           -Nitroaniline         ND         55         0.18         µg/L         1         01/25/06           -Nitrophenol								01/25/06 19:55
ND         ND<	••							01/25/06 19:55
No.       ND       11 <t< td=""><td></td><td></td><td></td><td></td><td>•</td><td></td><td>-</td><td>01/25/06 19:55</td></t<>					•		-	01/25/06 19:55
ND       1000000000000000000000000000000000000	• •				•	-		01/25/06 19:55
ND       ND <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>01/25/06 19:55</td></th<>							-	01/25/06 19:55
-Bromophenyl phenyl ether       ND       11       0.088       µg/L       1       01/25/06        Chloro-3-methylphenol       ND       11       0.077       µg/L       1       01/25/06        Chloro-3-methylphenol       ND       11       0.38       µg/L       1       01/25/06        Chlorophenyl phenyl ether       ND       11       0.38       µg/L       1       01/25/06        Chlorophenyl phenyl ether       ND       11       0.077       µg/L       1       01/25/06        Chlorophenyl phenyl ether       ND       11       0.077       µg/L       1       01/25/06        Chlorophenyl phenyl ether       ND       11       0.077       µg/L       1       01/25/06        Nitrophenol       ND       55       0.18       µg/L       1       01/25/06        Nitrophenol       ND       55       0.42       µg/L       1       01/25/06         Acenaphthene       ND       11       0.055       µg/L       1       01/25/06         Acenaphthylene       ND       11       0.24       µg/L       1       01/25/06         Anthracene       ND       11       0.066       µg/L       1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Chloro-3-methylphenol       ND       11       0.077       µg/L       1       01/25/06        Chloroaniline       ND       11       0.38       µg/L       1       01/25/06        Chlorophenyl phenyl ether       ND       11       0.077       µg/L       1       01/25/06        Chlorophenyl phenyl ether       ND       11       0.077       µg/L       1       01/25/06        Chlorophenyl phenyl ether       ND       11       0.077       µg/L       1       01/25/06        Nethylphenol       ND       11       0.099       µg/L       1       01/25/06        Nitroaniline       ND       55       0.18       µg/L       1       01/25/06        Nitrophenol       ND       55       0.42       µg/L       1       01/25/06        Nitrophenol       ND       11       0.055       µg/L       1       01/25/06        Nitrophenol       ND       11       0.24       µg/L       1       01/25/06        Ncenaphthene       ND       11       0.38       µg/L       1       01/25/06        No       11       0.38       µg/L       1       01/25/06       01/25/06	•••							
-Chloroaniline         ND         11         0.38         µg/L         1         01/25/06           -Chlorophenyl phenyl ether         ND         11         0.077         µg/L         1         01/25/06           -Methylphenol         ND         11         0.099         µg/L         1         01/25/06           -Nitroaniline         ND         55         0.18         µg/L         1         01/25/06           -Nitrophenol         ND         55         0.42         µg/L         1         01/25/06           -Nitrophenol         ND         11         0.055         µg/L         1         01/25/06           -Nitrophenol         ND         11         0.055         µg/L         1         01/25/06           -cenaphthene         ND         11         0.055         µg/L         1         01/25/06           ucenaphthylene         ND         11         0.24         µg/L         1         01/25/06           unthracene         ND         11         0.38         µg/L         1         01/25/06           tenzo[a]anthracene         ND         11         0.066         µg/L         1         01/25/06           tenzo[a]pyrene         ND<		112						
-Chlorophenyl phenyl ether         ND         11         0.077         μg/L         1         01/25/06           -Methylphenol         ND         11         0.099         μg/L         1         01/25/06           -Nitroaniline         ND         55         0.18         μg/L         1         01/25/06           -Nitroaniline         ND         55         0.18         μg/L         1         01/25/06           -Nitrophenol         ND         55         0.42         μg/L         1         01/25/06           -Nitrophenol         ND         11         0.055         μg/L         1         01/25/06           -Nitrophenol         ND         11         0.055         μg/L         1         01/25/06           -cenaphthene         ND         11         0.24         μg/L         1         01/25/06           uniline         ND         11         0.38         μg/L         1         01/25/06           unthracene         ND         11         0.066         μg/L         1         01/25/06           tenzo[a]anthracene         ND         11         0.077         μg/L         1         01/25/06	the state of the second s	and the second					1 • • • •	
-Methylphenol         ND         11         0.099         µg/L         1         01/25/06           -Nitropaniline         ND         55         0.18         µg/L         1         01/25/06           -Nitrophenol         ND         55         0.42         µg/L         1         01/25/06           -Nitrophenol         ND         11         0.055         µg/L         1         01/25/06           -Nitrophenol         ND         11         0.055         µg/L         1         01/25/06           Accenaphthene         ND         11         0.055         µg/L         1         01/25/06           Accenaphthylene         ND         11         0.24         µg/L         1         01/25/06           Anthracene         ND         11         0.38         µg/L         1         01/25/06           Benzo[a]anthracene         ND         11         0.066         µg/L         1         01/25/06           Benzo[a]pyrene         ND         11         0.077         µg/L         1         01/25/06	and a state of the	en an			and the second second			<ul> <li>A state provide the second state of the second state.</li> </ul>
Initial and the second seco						-	1	
Nitrophenol         ND         55         0.42         µg/L         1         01/25/06           Accenaphthene         ND         11         0.055         µg/L         1         01/25/06           Accenaphthylene         ND         11         0.24         µg/L         1         01/25/06           Aniline         ND         11         0.38         µg/L         1         01/25/06           Aniline         ND         11         0.366         µg/L         1         01/25/06           Anthracene         ND         11         0.066         µg/L         1         01/25/06           Benzo[a]anthracene         ND         11         0.066         µg/L         1         01/25/06           Benzo[a]pyrene         ND         11         0.077         µg/L         1         01/25/06								01/25/06 19:55
Accenaphthene         ND         11         0.055         µg/L         1         01/25/06           Accenaphthylene         ND         11         0.24         µg/L         1         01/25/06           Aniline         ND         11         0.38         µg/L         1         01/25/06           Aniline         ND         11         0.38         µg/L         1         01/25/06           Anthracene         ND         11         0.066         µg/L         1         01/25/06           Benzo[a]anthracene         ND         11         0.066         µg/L         1         01/25/06           Benzo[a]anthracene         ND         11         0.066         µg/L         1         01/25/06								01/25/06 19:55
ND         11         0.24         µg/L         1         01/25/06           Aniline         ND         11         0.38         µg/L         1         01/25/06           Aniline         ND         11         0.38         µg/L         1         01/25/06           Aniline         ND         11         0.066         µg/L         1         01/25/06           Anithracene         ND         11         0.066         µg/L         1         01/25/06           Benzo[a]anthracene         ND         11         0.066         µg/L         1         01/25/06           Genzo[a]pyrene         ND         11         0.077         µg/L         1         01/25/06	•				-			01/25/06 19:55
Aniline         ND         11         0.38         µg/L         1         01/25/06           Anthracene         ND         11         0.066         µg/L         1         01/25/06           Benzo[a]anthracene         ND         11         0.066         µg/L         1         01/25/06           Benzo[a]pyrene         ND         11         0.066         µg/L         1         01/25/06								01/25/06 19:55
ND         11         0.066         μg/L         1         01/25/06           lenzo[a]anthracene         ND         11         0.066         μg/L         1         01/25/06           lenzo[a]pyrene         ND         11         0.066         μg/L         1         01/25/06	• •				•			01/25/06 19:55
Interaction         ND         11         0.066         μg/L         1         01/25/06           Jenzo[a]pyrene         ND         11         0.077         μg/L         1         01/25/06	niline					-		01/25/06 19:55
enzo[a]pyrene ND 11 0.077 μg/L 1 01/25/06								01/25/06 19:55
		•						01/25/06 19:55
enzofb]fluoranthene ND 11 0.20 μg/L 1 01/25/06	lenzo[a]pyrene							01/25/06 19:55
	enzo[b]fluoranthene	ND.	11		0.20			01/25/06 19:55
3enzo[g,h,l]perylene ND 11 0.099 μg/L 1 01/25/06	Benzo[g,h,i]perylene	ND	. 11		0.099	µg/L	1	01/25/06 19:55

#### **Analytical Results** Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200 StateCertNo: 10155 East Syracuse, NY 13057 (315) 437-0200 Lab ID: 0601050-006B **CLIENT:** O'Brien & Gere Engineers, Inc. Client Sample ID: 1/10 EOUIP BLANK Project: Geneva Foundry 01/10/06 16:00 **Collection Date:** W Order: 0601050 01/12/06 0:00 WATER **Date Received:** Matrix: 01/16/06 12:00 A PrepDate: Inst. ID: MS05 26 Sample Size: 910 mL **BatchNo:** 2392/R4378 ColumnID: ZB-5 %Moisture: 1-SAMP-N3879.D 8270W TAGML FileID: **Revision:** 01/31/06 10:18:39 A TestCode: Units DF **Date Analyzed** MDL **Result Qual POL** Analyte (SW3520C) SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS SW8270C 01/25/06 19:55 µg/L 1 0.18 Benzo[k]fluoranthene ND 11 01/25/06 19:55 1 12 μg/L ND 55 Benzoic acid 1 01/25/06 19:55 0.20 μg/L ND 11 Benzyl alcohol 01/25/06 19:55 0.32 μg/L 1 bis(2-Chloroethoxy)methane ND 11 μg/L 1 01/25/06 19:55 0.088 ND bis(2-chloroethyl)ether 11 01/25/06 19:55 1 0.077 µg/L bis(2-chloroisopropyl)ether ND 11 µg/L 01/25/06 19:55 1 0.41 bis(2-Ethylhexyl)phthalate ND 11 01/25/06 19:55 1 ND 11 0.099 µg/L Butyl benzyl phthalate 1 01/25/06 19:55 0.033 µg/L 11 Chrysene ND 1 01/25/06 19:55 0.15 µg/L ND 11 Di-n-butyl phthalate 01/25/06 19:55 1 Di-n-octyl phthalate 0.077 µg/L ND 11 01/25/06 19:55 μg/L 1 Dibenz[a,h]anthracene ND 11 0.099 01/25/06 19:55 ND 11 0.066 μg/L 1 Dibenzofuran 01/25/06 19:55 0.066 μg/L 1 ND 11 **Diethvl phthalate** 01/25/06 19:55 1 ND 11 0.066 µg/L **Dimethyl phthalate** 1 01/25/06 19:55 μg/L Fluoranthene ND 11 0.044 1 01/25/06 19:55 ND 11 0.066 µg/L Fluorene 01/25/06 19:55 0.077 µg/L 1 Hexachiorobenzene ND 11 0.077 µg/L 1 01/25/06 19:55 ND 11 Hexachlorobutadiene 01/25/06 19:55 1 1.6 μg/L ND 11 Hexachlorocyclopentadiene 0.088 01/25/06 19:55 1 µg/L Hexachloroethane ND 11 01/25/06 19:55 1 ND 11 0.099 µg/L indeno[1,2,3-cd]pyrene 01/25/06 19:55 0.044 µg/L 1 ND 11 Isophorone 1 01/25/06 19:55 0.088 µg/L 11 ND N-Nitroso-di-n-propylamine 01/25/06 19:55 1 ND 11 0.32 µg/L N-Nitrosodiphenylamine 01/25/06 19:55 0.066 1 ND 11 µg/L Naphthalene 01/25/06 19:55 1 0.055 µg/L Nitrobenzene ND 11 μg/L 1 01/25/06 19:55 55 6.9 Pentachlorophenol ND 1 01/25/06 19:55 0.044 µg/L ND 11 Phenanthrene 01/25/06 19:55 1 0.11 µg/L Phenol ND 11 01/25/06 19:55 1 ND 0.077 µg/L 11 Pyrene 01/25/06 19:55 %REC 1 91.2 46-149 0 Sur: 2,4,6-Tribromophenol 01/25/06 19:55 0 %REC 1 62.8 42-130 Sur: 2-Fluorobiphenyl %REC 01/25/06 19:55 0 1 61.8 26-130 Surr: 2-Fluorophenol 1 01/25/06 19:55 0 %REC 73.0 42-130 Surr: Nitrobenzene-d5 Value exceeds the instrument calibration range Analyte detected in the associated Method Blank E в Qualifiers: Analyte detected below the PQL J Holding times for preparation or analysis exceeded н Prim/Conf. column %D or RPD exceeds limit ND Not Detected at the Practical Quantitation Limit (PQL) Р

S Spike Recovery outside accepted recovery limits

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander

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## **Analytical Results**

E	ast Syracuse, NY 130	57 (315)	437-0200		S	tateCertN	o: 10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601050 WATER	ers, Inc.	· · ·	Colle	t Sample ID: ction Date:	<b>0601050-</b> <i>1/10 EO</i> 01/10/06 1 01/12/06 0	<b>UIP BLANK</b> 6:00
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:18:39 A	Sample Size: %Moisture: TestCode:		Prep Batel AGML Filel	1No:	01/16/06 1 2392/R437 1-SAMP-N	'8
Analyte		Result Qua	al PQL	MDL	Units	DF	Date Analyzed
	TILE ORGANIC COMPO		MS 21-134	SW8270C	%REC	(SW3520	DC) 01/25/06 19:55
Surr: Pheno Surr: Terph		62.8 67.7	21-134 24-147	0	%REC		01/25/06 19:55

Qualifiers:

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Practical Quantitation Limit (PQL)

E Value exceeds the instrument calibration range

J Analyte detected below the PQL P Prim./Conf. column %D or RPD exceeds limit

S Spike Recovery outside accepted recovery limits

Print Date: 01/31/06 11:39

**Analytical Results** 

CLIENT:	O'Brien & Gere Engine	ers, Inc.			Lab ID: 0601050-007B Client Sample ID: 1/11 EOUIP BLANK			
roject:	Geneva Foundry					-		
V Order:	0601050	•		••••	Collection		01/11/06 1	
Aatrix:	WATER		·		Date Rec		01/12/06 0	•
nst. ID:	MS05 26	Sample Size	: 940 mL		PrepDate	-	01/16/06 12	
ColumnID:		%Moisture:			BatchNo	:	2392/R437	
tevision:	01/31/06 10:18:39 A	TestCode:	8270W T	AGML	FileID:		1-SAMP-N	3880.D
Inalyte		Result Qu	al PQL		MDL	Units	DF	Date Analyze
	ILE ORGANIC COMPO	UNDS BY GC	MS	SW8	3270C	-	(SW3520	)C)
,2,4-Trichloro	· · · · · · · · · · · · · · · · · · ·	ND	11		0.074	μg/L	1	01/25/06 20:33
 2-Dichlorobe	nzene	ND	11		0.053	µg/L	1	01/25/06 20:33
, 3-Dichiorobe	nzene	ND	11		0.064	µg/L	1	01/25/06 20:33
4-Dichlorobe		ND	11		0.053	µg/L	1	01/25/06 20:33
, 4,5-Trichloro		ND	53	•.	0.18	µg/L	1	01/25/06 20:33
,4,6-Trichloro	•	ND	11		0.085	µg/L	1	01/25/06 20:33
4-Dichloroph	=	ND	11		0.064	μg/L	1	01/25/06 20:33
,4-Dimethylpl		ND	<b>1</b> 1		0.24	·μg/L	1	01/25/06 20:33
, 4-Dinitrophe		ND	53		1.2	μg/L	<u></u> 1	01/25/06 20:33
.4-Dinitrotolu		ND	11		0.085	µg/L	1	01/25/06 20:33
,6-Dinitrotolu		ND	11		0.074	µg/L	1	01/25/06 20:33
-Chloronapht		ND	11		0.085	µg/L	1	01/25/06 20:33
-Chlorophend		ND	11		0.053	µg/L	1	01/25/06 20:33
-Methylnapht		ND	11		0.064	μg/L	1	01/25/06 20:33
-Methylphend	·	ND	11		0.074	µg/L	1	01/25/06 20:33
-Nitroaniline		ND	53		0.41	μg/L	1	01/25/06 20:33
-Nitrophenol		ND	11		0.074	µg/L	1	01/25/06 20:33
,3'-Dichlorob	enzidine	ND	21		0.29	µg/L	1	01/25/06 20:33
-Nitroaniline	· · · · ·	ND	53		0.22	μg/L	1	01/25/06 20:33
,6-Dinitro-2-n	nethvinhenol	ND	11		0.45	µg/L	1	01/25/06 20:33
	yl phenyl ether	ND	11		0.085	µg/L	1	01/25/06 20:33
-Chloro-3-me		ND	11.		0.074	µg/L	1	01/25/06 20:33
Chloroanilin		ND	11	· · · · · ·	0.37	µg/L	1 <b>1</b>	01/25/06 20:33
environmente de la construcción	yi phenyi ether	ND	11		0.074	μg/L	1	01/25/06 20:33
Methylphen		ND	11		0.096	µg/L	<sup>.</sup> 1	01/25/06 20:33
-Nitroaniline		ND	53		0.17	µg/L	1	01/25/06 20:33
-Nitrophenol		ND	53		0.40	µg/L	1	01/25/06 20:33
cenaphthene		ND	11		0.053	μg/L	1	01/25/06 20:33
cenaphthyle		ND	11		0.23	μg/L	1	01/25/06 20:33
		ND	11		0.37	μg/L	1	01/25/06 20:33
Inthracene		ND	11		0.064	µg/L	1	01/25/06 20:33
lenzo[a]anthr	acene	ND	11		0.064	μg/L	1	01/25/06 20:33
Senzo[a]pyrer		ND	11		0.074	μg/L	1	01/25/06 20:33
Senzo[b]fluora		ND	11		0.19	µg/L	1	01/25/06 20:33
Benzo[g,h,l]pe		ND	11		0.096	µg/L	1	01/25/06 20:33
	B Analyte detected in the	e associated Meth	od Blank		E Value	exceeds the	instrument cal	libration range
Qualifiers:	H Holding times for pre						elow the PQL	
	ND Not Detected at the P	-			-			exceeds limit

· · · · · · · · · · · · · · · · · · ·	ast Syracuse, NY 130		437-0200				tateCertNo:	
CLIENT: Project: W Order:	O'Brien & Gere Engine Geneva Foundry 0601050	eers, Inc.	•		Collection	iple ID: Date:	0601050-007 1/11 EOUL 01/11/06 16:0	<b>P BLANK</b> 0
Matrix:	WATER				Date Recei		01/12/06 0:00	
Inst. ID:	MS05 26	Sample Size			PrepDate: BatchNo:		01/16/06 12:0 2392/R4378	U A
ColumnID: Revision:	2B-5 01/31/06 10:18:39 A	.%Moisture: TestCode:	8270W T				1-SAMP-N38	80.D
Analyte		Result Qu	al PQL	]	MDL	Units	DF	Date Analyze
	ILE ORGANIC COMPO		MS	SWA	270C		(SW3520C)	
enzo[k]fluora		ND	11		0.17	μg/L	1	01/25/06 20:33
Senzoic acid		ND	53		12	μg/L	1	01/25/06 20:33
lenzyl alcohol		ND .	11		0.19	μg/L	1	01/25/06 20:33
•	hoxy)methane	ND	11		0.31	μg/L	1	01/25/06 20:33
is(2-chloroet	••	ND	11		0.085	μg/L	1	01/25/06 20:33
•	propyl)ether	ND	11		0.074	μg/L	. 1	01/25/06 20:33
is(2-Ethylhex		ND	11		0.39	µg/L	1	01/25/06 20:33
utyl benzyl p		ND ·	11		0.096	μg/L	1	01/25/06 20:33
hrysene		ND	11		0.032	µg/L	1	01/25/06 20:33
i-n-butyl phth	alate	ND	11		0.15	µg/L	1	01/25/06 20:33
i-n-octyl phth		ND	11	. (	0.074	µg/L	· 1	01/25/06 20:33
ibenz[a,h]an		ND	11	. (	0.096	μg/L	1	01/25/06 20:33
ibenzofuran		ND	11	(	0.064	µg/L	1	01/25/06 20:33
iethyl phthala	ate	ND .	11	(	0.064	µg/L	<sup>`</sup> 1	01/25/06 20:33
imethyl phth		ND	11	(	0.064	µg/L	1	01/25/06 20:33
luoranthene		ND	11	· (	0.043	μg/L	1 <sup>·</sup>	01/25/06 20:33
luorene	<b></b>	ND	11	(	0.064	µig/L	. 1	01/25/06 20:33
lexachlorobe	nzene	ND	11	(	0.074	µg/L	1	01/25/06 20:33
lexachlorobul	adiene	ND	11	· (	0.074	μg/L	1	01/25/06 20:33
lexachlorocy:	lopentadiene	ND	11		1.6	µg/L	1	01/25/06 20:33
Iexachloroeth	•	ND	11		0.085	µg/L	1	01/25/06 20:33
ndeno[1,2,3-c	d]pyrene	ND	11	1	0.096	µg/L	1	01/25/06 20:33
sophorone	and the second	ND	.11		0.043	µg/L	1	01/25/06 20:33
-	-propylamine	ND	11	(	0.065	µg/L	1	01/25/06 20:33
I-Nitrosodiph	enylamine	ND	. 11	(	0.31	µg/L	1	01/25/06 20:33
laphthalene		ND	11		0.064	µg/L	1	01/25/06 20:33
litrobenzene		ND	11		0.053	µg/L	1	01/25/06 20:33
entachloroph	enol	ND	53	i	<b>6.7</b>	µg/L	1	01/25/06 20:33
henanthrene		ND	11	I	0.043	µg/L	1	01/25/06 20:33
henol		ND	11		0.11	µg/L	1	01/25/06 20:33
yrene		ND	<b>11</b>	1	0.074	µg/L	1	01/25/06 20:33
Sur: 2,4,6-	Tribromophenol	93.1	46-149	I	0	%REC	; 1	01/25/06 20:33
Surr: 2-Fluc	probipheny	65.6	42-130	1	0	%REC		01/25/06 20:33
Sur: 2-Fluc	prophenol	63.7	26-130		0	%REC		01/25/06 20:33
Surr: Nitrob	enzen <del>e d</del> 5	73.3	42-130		0	%REC	; 1	01/25/06 20:33
Qualifiers:	B Analyte detected in the	te associated Metho	od Blank		E Value e	xceeds the i	nstrument calibra	tion range
Quanners:	H Holding times for pre						low the PQL	_
Quantiers:	•	paration or analysi ractical Quantitatio	s exceeded on Limit (PQL)	) <sup>*</sup>	J Analyte	detected be		

Print Date: 01/31/06 11:39

68.6

**Analytical Results** 

01/25/06 20:33

%REC

E	ast Syracuse, NY 130	57 (315)	) 437-0200		Si	ateCertNo	: 10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601050 WATER	eers, Inc.	· · · · · ·	Lab ID: Client Samp Collection D Date Receive	le ID: ate:	0601050-0 1/11 EOU 01/11/06 16 01/12/06 0:	/ <b>IP BLANK</b> ::00
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:18:39 A	Sample Size %Moisture: TestCode:	<b>.</b>	PrepDate: BatchNo: GML FileD:	:	01/16/06 12 2392/R4378 1-SAMP-N3	<b>;</b>
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLAT		DUNDS BY GC	/MS	SW8270C		(SW3520	C)
Surr: Pheno	0 <b>-</b> d5	63.6	21-134	0	%REC	1	01/25/06 20:33

24-147

Qualifiers:

Surr: Terphenyl-d14

- В Analyte detected in the associated Method Blank Н Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL)
- Value exceeds the instrument calibration range Е Analyte detected below the PQL J
- Spike Recovery outside accepted recovery limits S

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:39

**Analytical Results** 

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601060 SOIL	· · ·		Collection I Date Receiv	ed: 01/12/06	<b>S</b> 16:35 15:35
lnst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:15:49 A	Sample Size %Moisture: TestCode:	-	PrepDate: BatcbNo: FileID:	01/17/06 2379/R43 1-SAMP-	77
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyz
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC	MS SW	8270C	(SW35	50B)
2,4-Trichloro	benzene	ND	21000	170	µg/Kg-dry 10	01/25/06 8:23
,2-Dichlorobe	enzene	ND	21000	150	µg/Kg-dry 10	01/25/06 8:23
.3-Dichlorobe	nzene	ND	21000	100	µg/Kg-dry 10	01/25/06 8:23
,4-Dichlorobe	nzene	ND	21000	120	µg/Kg-dry 10	01/25/06 8:23
,4,5-Trichloro	phenol	ND	110000	2100	µg/Kg-dry 10	01/25/06 8:23
4,6-Trichloro	phenoi	ND	21000	190	µg/Kg-dry 10	01/25/06 8:23
4-Dichloroph	enol	ND	21000	190	µg/Kg-dry 10	01/25/06 8:23
4-Dimethylpl	henol	ND	21000	180	µg/Kg-dry 10	01/25/06 8:23
4-Dinitrophe		ND	110000	3800	µg/Kg-dry 10	01/25/06 8:23
4-Dinitrotolu		ND	21000	170	µg/Kg-dry 10	01/25/06 8:23
6-Dinitrotolu		ND	21000	200	µg/Kg-dry 10	01/25/06 8:23
-Chloronapht		ND	21000	100	µg/Kg-dry 10	01/25/06 8:23
-Chloropheno		ND	21000	140	µg/Kg-dry 10	01/25/06 8:23
Methyinapht		ND	21000	100	µg/Kg-dry 10	01/25/06 8:23
-Methylphend	Di .	ND	21000	130	µg/Kg-dry 10	01/25/06 8:23
-Nitroaniline		ND	110000	220	µg/Kg-dry 10	01/25/06 8:23
-Nitrophenol		ND	21000	240	µg/Kg-dry 10	01/25/06 8:23
,3'-Dichlorob	enzidine	ND	42000	510	µg/Kg-dry 10	01/25/06 8:23
Nitroaniline		ND	110000	710	µg/Kg-dry 10	01/25/06 8:23
	nethylphenol	ND ND	110000	1700	µg/Kg-dry 10	01/25/06 8:23
•	yl phenyl ether	ND	21000	150	µg/Kg-dry 10	01/25/06 8:23
-Chloro-3-me		ND	21000	170	µg/Kg-dry 10	01/25/06 8:23
-Chloroaniline	en de la construction de la constru	ND	21000	260	µg/Kg-dry 10	01/25/06 8:23
• •	/I phenyl ether	ND	21000	160	µg/Kg-dry 10	
Methylpheno	1	ND	21000	120	µg/Kg-dry 10 wa/Ka day 10	01/25/06 8:23
-Nitroaniline		ND ND	110000	350	µg/Kg-dry 10	01/25/06.8:23 01/25/06 8:23
-Nitrophenol		ND	110000	830	µg/Kg-dry 10 ⊮g/Kg-dry 10	01/25/06 8:23
cenaphthene		ND	21000	74	µg/Kg-dry 10 µg/Kg-dry 10	01/25/06 8:23
cenaphthyler		· ND	21000	93 260	µg/Kg-dry 10 µg/Kg-dry 10	01/25/06 8:23
niline nthracene	•••	ND ND	21000 21000	200 85	µg/Kg-dry 10 µg/Kg-dry 10	01/25/06 8:23
enzo[a]anthr	2020	ND	21000	89	µg/Kg-dry 10	01/25/06 8:23
enzo[a]anun enzo[a]pyren		ND	21000	100	µg/Kg-dry 10	01/25/06 8:23
enzo[a]pyren enzo[b]fluora		2400 J	21000	150	µg/Kg-dry 10	01/25/06 8:23
ienzo[g,h,l]pe		2400 J ND	21000	110	µg/Kg-dry 10	01/25/06 8:23
Qualifiers:	B Analyte detected in the H Holding times for pre	e associated Metho	od Blank		ceeds the instrument of letected below the PQ	_

S Spike Recovery outside accepted recovery limits

**Analytical Results** 

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601060 SOIL	eers, Inc.		Lab ID: Client San Collection Date Rece	nple ID: <u>B</u> Date: 01/	01060-0 4-30-S (11/06 16 (12/06 15	:35
ColumnID:	MS05 26 ZB-5 01/31/06 10:15:49 A	Sample Size: %Moisture: TestCode:		PrepDate BatchNo: FileID:	237	17/06 12 /9/R4377 AMP-N3	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyze
BEMIVOLAT		UNDS BY GC/	MS SW	8270C	· (1	SW3550I	3)
Benzo[k]fluorai	nthene .	ND	21000	130	µg/Kg-dry	10	01/25/06 8:23
Benzoic acid		ND	110000	6700	µg/Kg-dry	10	01/25/06 8:23
Benzyl alcohol		ND	21000	230	µg/Kg-dry	10	01/25/06 8:23
ois(2-Chloroeti	ioxy)methane	ND	21000	80	µg/Kg-dry	10	01/25/06 8:23
ois(2-chloroeth	yl)ether	ND	21000	120	µg/Kg-dry	10	01/25/06 8:23
ois(2-chloroiso	propyl)ether	ND	21000	120	µg/Kg-dry	10	01/25/06 8:23
ois(2-Ethylhex)	/i)phthalate	ND	21000	690	µg/Kg-dry		01/25/06 8:23
Butyl benzyl ph	nthalate	ND	21000	140	µg/Kg-dry	10	01/25/06 8:23
Chrysene		ND	21000	99	µg/Kg-dry	10	01/25/06 8:23
)i-n-butyi phth	alate	ND	21000 *	170	µg/Kg-dry	10	01/25/06 8:23
Di-n-octyl phtha	alate	ND	21000	99	µg/Kg-dry	10	01/25/06 8:23
Dibenz[a,h]antl	hracene	ND	21000	84	µg/Kg-dry	10	01/25/06 8:23
Dibenzofuran		ND	21000	92	µg/Kg-dry	10	01/25/06 8:23
Diethyl phthala	te	ND	21000	150	µg/Kg-dry	10	01/25/06 8:23
Dimethyl phtha	late	ND	21000	110	µg/Kg-dry	10	01/25/06 8:23
luoranthene	•	3500 J	21000	97	µg/Kg-dry	10	01/25/06 8:23
luorene		ND	21000	100	µg/Kg-dry	10	01/25/06 8:23
lexachloroben	zene	ND	21000	170	µg/Kg-dry	10	01/25/06 8:23
lexachiorobut	adiene	ND	21000	220	µg/Kg-dry	10	01/25/06 8:23
lexachiorocyc	lopentadiene	ND	21000	810	µg/Kg-dry	10	01/25/06 8:23
lexachioroetha	ane .	ND	21000	230	μg/Kg-dry	10	01/25/06 8:23
ndeno[1,2,3-cc	f]pyrene	ND	21000	84	µg/Kg-dry	10	01/25/06 8:23
sophorone	and a second	ND	21000	100	µg/Kg-dry	°10 °	01/25/06 8:23
Nitroso-di-n-	propylamine	ND	21000	180	µg/Kg-dry	10	01/25/06 8:23
I-Nitrosodiphe	nylamine	ND	21000	99	µg/Kg-dry	10	01/25/06 8:23
laphthalene		ND	21000	63	µg/Kg-dry	10	01/25/06 8:23
litrobenzene		ND	21000	130	µg/Kg-dry	10	01/25/06 8:23
Pentachlorophe	елоі	ND	110000	1700	µg/Kg-dry	10	01/25/06 8:23
henanthrene		3900 J	21000	75	µg/Kg-dry	10	01/25/06 8:23
henol	•	6400 J	21000	85	µg/Kg-dry	10	01/25/06 8:23
yrene	· .	3700 J	21000	100	µg/Kg-dry	10	01/25/06 8:23
Surr: 2,4,6-T	ribromophenol	87.1	20-143	0	%REC	10	01/25/06 8:23
Surr: 2-Fluor	robiphenyl	86.5	46-130	0	%REC	10	01/25/06 8:23
Surr: 2-Fluor	ophenol	71.4	22-130	0	%REC	10	01/25/06 8:23
Surr: Nitrobe	inzene-d5	72.0	39-130	0	%REC	10	01/25/06 8:23
Qualifiers:	B Analyte detected in th	e associated Metho	d Blank	E Value e	xceeds the instru	ment calib	ration range
	H Holding times for prep	paration or analysis	exceeded	J. Analyte	detected below	the PQL	•
1	ND Not Detected at the Pr	actical Quantitation	Limit (POL)	P Prim./C	onf. column %D	) or RPD ex	ceeds limit

**Analytical Results** 

-ANo. 10155

5	Lj5000	Brittonfield	Parkway,	Suite 200	
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E	ast Syracuse, NY 130	57 (315)	) 437-0200	StateCertNo: 10155				
CLIENT: Project: W Order:	O'Brien & Gere Engine Geneva Foundry 0601060	eers, Inc.		Lab ID: Client Sample I Collection Date	D: ]	<b>601060-0</b> B <i>H-30-S</i> 01/11/06 16	•	
Matrix:	SOIL		-	Date Received:	. 0	1/12/06 15	:35	
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:15:49 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: J. FileID:	2	1/17/06 12 379/R4377 -SAMP-N3	,	
Analyte		Result Qu	al PQL	MDL U	nits	DF	Date Analyzed	
SEMIVOLAT	ILE ORGANIC COMPO	DUNDS BY GC	MS SI	N8270C		(SW3550)	B)	
Surr: Pheno	x <b>⊢d</b> 5	69.1	33-130	0 %	REC	10	01/25/06 8:23	

Surr. Phenol-d5	69.1	33-130	0	%REC	10	01/25/06 8:23
Surr. Terphenyl-d14	91.5	36-146	0	%REC	- 10	01/25/06 8:23

Qualifiers:

- Analyte detected in the associated Method Blank **B** [ H Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL)
- Value exceeds the instrument calibration range E Analyte detected below the PQL J
- Prim./Conf. column %D or RPD exceeds limit P
- Spike Recovery outside accepted recovery limits S

**Analytical Results** 

ColumnID; 2 Revision: 0 Analyte	01/31/06 10:37:14 A LE ORGANIC COMPO enzene zene zene zene zene henol henol nol	ND ND ND ND	20.8 8270S TAGML al PQL MS SW 21000 21000	MDL 8270C 170		6.D Date Analyze
EMIVOLATII 2,4-Trichloroben 3-Dichloroben 3-Dichloroben 4-Dichloroben 4,5-Trichloroph 4,6-Trichloroph 4-Dichlorophen 4-Dinitropheno 4-Dinitrotoluen 6-Dinitrotoluen 6-Dinitrotoluen -Chlorophenol -Methylphenol	enzene zene zene zene henol henol nol	UNDS BY GC/I ND ND ND ND	MS SW 21000 21000	8 <b>270C</b> 170	(SW3550)	
2,4-Trichloroben ,2-Dichlorobenz ,3-Dichlorobenz ,4-Dichlorobenz ,4,5-Trichloroph ,4,6-Trichlorophen ,4-Dintropheno ,4-Dinitrotoluen ,4-Dinitrotoluen ,6-Dinitrotoluen	enzene zene zene zene henol henol nol	ND ND ND ND	21000 21000	170	•	B)
2-Dichlorobenz 3-Dichlorobenz 4-Dichlorobenz 4,5-Trichloroph 4,6-Trichloroph 4-Dichlorophenz 4-Dinitropheno 4-Dinitrotoluen 6-Dinitrotoluen -Chloronaphtha -Chlorophenol -Methylphenol	zene zene zene henol henol nol	ND ND ND	21000		uaßfa day 40	
3-Dichlorobenz 4-Dichlorobenz 4,5-Trichloroph 4,6-Trichloroph 4-Dichlorophen 4-Dinitropheno 4-Dinitrotoluen 6-Dinitrotoluen 6-Dinitrotoluen -Chlorophenol -Methylphenol	zene zene henol henol nol	ND ND			have and in	01/31/06 0:18
,4-Dichlorobenz ,4,5-Trichloroph ,4,6-Trichloroph ,4-Dichlorophen ,4-Dinitropheno ,4-Dinitropheno ,4-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen ,6-Dinitrotoluen	zene henol henol nol	ND	24000	150	µg/Kg-dry 10	01/31/06 0:18
,4,5-Trichloroph ,4,6-Trichloroph ,4-Dichloropher ,4-Dimethylphe ,4-Dinitropheno ,4-Dinitrotoluen ,6-Dinitrotoluen	henol henol nol		21000	100	µg/Kg-dry 10	01/31/06 0:18
,4,6-Trichloroph ,4-Dichloropher ,4-Dimethylphe ,4-Dinitropheno ,4-Dinitrotoluen ,6-Dinitro	henol nol		21000	120	µg/Kg-dry 10	01/31/06 0:18
,4-Dichloropher ,4-Dimethylphe ,4-Dinitropheno ,4-Dinitrotoluen ,6-Dinitrotoluen -Chloronaphtha -Chlorophenol -Methylnaphtha -Methylphenol	noi	ND	110000	2100	µg/Kg-dry 10	01/31/06 0:18
,4-Dimethylphe ,4-Dinitropheno ,4-Dinitrotoluen ,6-Dinitrotoluen -Chloronaphtha -Chlorophenol -Methylnaphtha -Methylphenol		ND	21000	190	µg/Kg-dry 10	01/31/06 0:18
,4-Dinitropheno ,4-Dinitrotoluen ,6-Dinitrotoluen -Chloronaphtha -Chlorophenol -Methylnaphtha -Methylphenol		ND	21000	190	µg/Kg-dry 10	01/31/06 0:18
,4-Dinitrotoluen ,6-Dinitrotoluen -Chloronaphtha -Chlorophenol -Methylnaphtha -Methylphenol	5101	ND	21000	180	µg/Kg-dry 10	01/31/06 0:18
,6-Dinitrotoluen -Chloronaphtha -Chlorophenol -Methylnaphtha -Methylphenol		ND	110000	3800	µg/Kg-dry 10	01/31/06 0:18
-Chloronaphtha -Chlorophenol -Methylnaphtha -Methylphenol	1e	ND	21000	170	µg/Kg-dry 10	01/31/06 0:18
-Chlorophenol -Methylnaphtha -Methylphenol	ne	ND	21000	200	µg/Kg-dry 10	01/31/06 0:18
-Methyinaphtha -Methyiphenol	alene	ND	21000	100	µg/Kg-dry 10	01/31/06 0:18
-Methylphenol		ND	21000	140	µg/Kg-dry 10	01/31/06 0:18
••	alene	ND .	21000	100	µg/Kg-dry 10	01/31/06 0.18
Nitmonilino		ND	21000	130	µg/Kg-dry 10	01/31/06 0:18
-Niu Cannine		ND	110000	220	µg/Kg-dry 10	01/31/06 0:18
-Nitrophenol		ND	21000	240	µg/Kg-dry 10	01/31/06 0:18
,3'-Dichloroben	nzidine	ND	42000	510 ·	µg/Kg-dry 10	01/31/06 0:18
-Nitroaniline		ND	110000	710	µg/Kg-dry 10	01/31/06 0:18
,6-Dinitro-2-me	thylphenol	ND	110000	1700	µg/Kg-dry 10	01/31/06 0:16
-Bromophenyl j	phenyl ether	ND	21000	150	µg/Kg-dry 10	01/31/06 0:18
-Chloro-3-meth	yiphenol	ND	21000	170	µg/Kg-dry 10	01/31/06 0:18
-Chloroaniline		ND	21000	260	µg/Kg-dry 10	01/31/06 0:18
-Chlorophenyl p	phenyi ether	ND	21000	160	µg/Kg-dry 10	01/31/06 0:18
-Methylphenol		ND	21000	120	µg/Kg-dry 10	01/31/06 0:18
-Nitroaniline		ND	110000	350	µg/Kg-dry 10	01/31/06 0:18
Nitrophenol		ND	110000	830	µg/Kg-dry 10	01/31/06 0:18
cenaphthene	,	ND	21000	74	µg/Kg-dry 👝 10 🕔	01/31/06 0:18
cenaphthylene	•	ND	21000	93	µg/Kg-dry 10	01/31/06 0:18
niline		ND	21000	260	µg/Kg-dry 10	01/31/06 0:18
nthracene		ND	21000	85	µg/Kg-dıy 10	01/31/06 0:16
enzo[a]anthrac	ene	ND	21000	89	µg/Kg-dry 10	01/31/06 0:18
enzo[a]pyrene		ND	21000	100	µg/Kg-dry 10	01/31/06 0:18
enzo[b]fluorant	thene	2400 J	21000	150	µg/Kg-dry 10	01/31/06 0:18
enzo[g,h,i]pery	lene	ND	21000	110	µg/Kg-dry 10	01/31/05 0:18
Qualifiers:	B Analyte detected in the				exceeds the instrument calib	station range
·	H Holding times for prep ND Not Detected at the Pra	-		-	e detected below the PQL Conf. column %D or RPD e	· ·

# LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

CLIENT: O'Brien & Gere Engi Project: Geneva Foundry W Order: 0601060 Matrix: SOIL			Lab ID:       0601060-001B         Client Sample ID:       BH-30-S         Collection Date:       01/11/06 16:35         Date Received:       01/12/06 15:35         PrenDate:       01/17/06 12:00 A			
Inst. ID: MS05 26 ColumnID: ZB-5 Revision: 01/31/06 10:37:14 A	Sample Size: %Moisture: TestCode:		PrepDate BatchNo: FileID:	2379/1	· · · · · · · · · · · · · · · · · · ·	
Analyte	Result Qu	al PQL	MDL	Units D	F Date Analyze	
SEMIVOLATILE ORGANIC COMP	OUNDS BY GC/	MS SW	8270C	(SW	(3550B)	
3enzo[k]fluoranthene	ND	21000	130	µg/Kg-dry 10	01/31/06 0:18	
Senzoic acid	ND	110000	6700	µg/Kg-dry 10		
Senzyi alcohol	ND	21000	230	µg/Kg-dry 10		
ois(2-Chloroethoxy)methane	ND	21000	80	µg/Kg-dry 10		
ois(2-chloroethyl)ether	ND	21000	120	µg/Kg-dry 10		
ois(2-chloroisopropyl)ether	ND	21000	120	µg/Kg-dry 10		
is(2-Ethylhexyl)phthalate	ND	21000	690	µg/Kg-dry 10		
Butyl benzyl phthalate	ND	21000	140	µg/Kg-dry 10		
Chrysene	ND	21000	99	⊥ µg/Kg-dry 10		
Di-n-butyl phthalate	ND	21000	170	µg/Kg-dry 10		
Di-n-octyl phthalate	ND	21000	99	µg/Kg-dry 10		
Dibenz[a,h]anthracene	ND	21000	84	µg/Kg-dry 10		
Dibenzofuran	ND	21000	92	µg/Kg-dry 10	·	
Diethyl phthalate	ND	21000	150	µg/Kg-dry 10		
Dimethyl phthalate	ND	21000	110	µg/Kg-dry 10	•	
luoranthene	2900 J	21000	97	µg/Kg-dry 10	•	
luorene	ND	21000	100	µg/Kg-dry 10		
lexachlorobenzene	ND	21000	170	µg/Kg-dry 10		
lexachiorobutadiene	ND	21000	220	µg/Kg-dry 10		
lexachlorocyclopentadiene	ND	21000	810	µg/Kg-dry 10		
lexachloroethane	ND	21000	230	µg/Kg-dry 10		
ndeno[1,2,3-cd]pyrene	ND ·	21000	84	µg/Kg-dry 10		
sophorone	ND	21000	100	µg/Kg-dry 10	a second s	
I-Nitroso-di-n-propylamine	ND	21000	180	µg/Kg-dry 10		
I-Nitrosodiphenylamine	ND	21000	99	µg/Kg-dry 10		
<b>laphthalene</b>	ND	21000	63	µg/Kg-dry 10		
litrobenzene	ND	21000	130	µg/Kg-dry 10		
Pentachlorophenol	ND	110000	1700	µg/Kg-dry 10		
Phenanthrene	3500 J	21000	75	µg/Kg-dry 10		
Phenol	5500 J	21000	85	μg/Kg-dry 10		
yrene	2900 J	21000	100	µg/Kg-dry 10		
Surr: 2,4,6-Tribromophenol	76.4	20-143	0	%REC 1		
Surr: 2-Fluorobiphenyl	80.0	46-130	0	%REC 1		
Surr. 2-Fluorophenol	57.4	22-130	0	%REC 1		
Surr. Nitrobenzene-d5	78.0	39-130	0	%REC 10	0 01/31/06 0:18	
H Holding times for p	the associated Metho preparation or analysis Practical Quantitatio	exceeded	J Analy	exceeds the instruments of the i	PQL	

S Spike Recovery outside accepted recovery limits

## Life Science Laboratories, Inc.

## **Analytical Results**

LSL	5000	Brittonfiel	ld Parkway, Suite	200	
	Post (	Suscesso	NV 12057	(215)	127 0200

E	StateCertNo: 10155						
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601060 SOIL	eers, Inc.		Lab ID: Client Sample Collection Da Date Received	e ID: te:	<b>0601060-0</b> <b>BH-30-S</b> 01/11/06 16 01/12/06 15	:35
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:37:14 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:		01/17/06 12 2379/R4381 1-RA-N395(	
Analyte		Result Qu	ial PQL	MDL	Units	DF	Date Analyzed
	TILE ORGANIC COMPO			V8270C		(SW3550)	•
Sur: Pheno	ol-d5	53.4	33-130	0	%REC	10	01/31/06 0:18

Surr: Phenol-d5	53.4	33-130	. 0	%REC	10	01/31/06 0:18
Surr: Terphonyl-d14	68.0	36-146	0	%REC	10	01/31/06 0:18

Qualifiers:

Analyte detected in the associated Method Blank В Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL)

Value exceeds the instrument calibration range Е J

Analyte detected below the PQL

P ... Prim./Conf. column %D or RPD exceeds limit

S Spike Recovery outside accepted recovery limits

н

Project: W Order:	O'Brien & Gere Engine Geneva Foundry 0601060 SOIL		Lab ID:       0601060-002B         Client Sample ID:       BH-32-S         Collection Date:       01/12/06 10:15         Date Received:       01/12/06 15:35					
ast. ID:	MS05 26	Sample Size:	: 30 g	PrepDa	- ,	1/17/06 12		
ColumnID:	ZB-5	%Moisture:	1 <b>9.</b> 5	BatchN	D: 2379/R4377			
Revision:	01/31/06 10:15:49 A	TestCode:	8270S TAGML	FileID:	· 1·	-SAMP-N	3867.D	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyze	
SEMIVOLAT		UNDS BY GC/	MS SW	8270C		(SW3550	)B)	
,2,4-Trichlorol	benzene	ND	410	3.3	µg/Kg-di	ry 1	01/25/06 9:00	
,2-Dichiorobe	nzene	ND	410	2.9	µg/Kg-di	ry 1	01/25/06 9:00	
3-Dichlorobe	nzene	ND	410	2.0	μg/Kg-di	ry 1 .	01/25/06 9:00	
4-Dichlorobe		ND	410	2.3	µg/Kg-di	ry 1	01/25/06 9:00	
4,5-Trichloro	phenol	ND	2100	41	µg/Kg-di	ry 1	01/25/06 9:00	
4,6-Trichloro	phenol	ND	410	3.8	µg/Kg-d	ry 1	01/25/06 9:00	
4-Dichloroph	enol	ND	410	3.8	µg/Kg-d	ry 1	01/25/06 9:00	
,4-Dimethylph	nenol	ND	410	3.5	µg/Kg-d	ry 1	01/25/06 9:00	
,4-Dinitropher	n <b>oi</b>	ND	2100	75	µg/Kg-d	ry 1	01/25/06 9:00	
4-Dinitrotolue	ene	ND	410	3,4	µg/Kg-d	ry 1	01/25/06 9:00	
,6-Dinitrotolue	ane	ND	410	4.0	µg/Kg-d	ry 1	01/25/06 9:00	
-Chloronaphti	halene	ND	410	2.0	µg/Kg-di	ry 1	01/25/06 9:00	
-Chioropheno	۰. I	ND	410	2.7	µg/Kg-d	ry 1 ,	01/25/06 9:00	
Methylnapht	halene	ND	410	2.0	µg/Kg-d	ry 1	01/25/06 9:00	
-Methylpheno		ND	410	2.5	µg/Kg-d	ry 1	01/25/06 9:00	
-Nitroaniline		ND	2100	4.3	µg/Kg-d	ry 1	01/25/06 9:00	
-Nitrophenol	•	ND	410	4.7	µg/Kg-đ	ry`1	01/25/06 9:00	
,3'-Dichlorobe	enzidine	ND	820	10	µg/Kg-d	ry 1	01/25/06 9:00	
-Nitroaniline		ND	2100	14	µg/Kg-d	ry 1 🦂	01/25/06 9:00	
,6-Dinitro-2-m	nethylphenol	ND	2100	34	µg/Kg-d	ry 1	01/25/06 9:00	
	l phenyi ether	ND	410	2.9	µg/Kg-d	ry 1 👘	01/25/06 9:00	
-Chloro-3-mei		ND	410	3.3	µg/Kg-d	ry 1	01/25/06 9:00	
-Chloroaniline	• •	ND	410	5.0	µg/Kg-d	iy 1	01/25/06 9:00	
-Chloropheny	i phenyl ether	ND	410	3.1	µg/Kg-d	5 A.C. 1	01/25/06 9:00	
-Methylpheno	•	ND	410	2.4	µg/Kg-d		01/25/06 9:00	
-Nitroaniline		ND	2100	6.9	µg/Kg-d		01/25/06 9:00	
-Nitrophenol		ND	2100	16	µg/Kg-d	-	01/25/06 9:00	
cenaphthene	· · ·	ND	410	1.5	µg/Kg-d		01/25/06 9:00	
cenaphthylen		ND	410	1.8	μg/Kg-d		01/25/06 9:00	
niline		ND	410	5.1	µg/Kg-d		01/25/06 9:00	
nthracene		ND	410	1.7	µg/Kg-d		01/25/06 9:00	
enzo[a]anthra	acene	75 J	410	1.8	µg/Kg-d		01/25/06 9:00	
enzo[a]pyren		83 J	410	2.1	μg/Kg-d		01/25/06 9:00	
enzo[b]fluora		140 J	410	3.0	μg/Kg-d		01/25/06 9:00	
3enzo[g,h,l]pe		48 J	410	2.1	µg/Kg-d		01/25/06 9:00	
Qualifiers:	B Analyte detected in the	te associated Metho	od Blank	E Valı	ue exceeds the in	strument cal	ibration range	
×	•			І Аля	lyte detected belo	w the POL		
H Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL)			<i>2</i> 11110		0.0 m m m m m			

## Life Science Laboratories, Inc.

**Analytical Results** 

**Analytical Results** 

SL	5000	Brittonfie	ld Parkway,	Suite	200	
			NT 430 FR			138 0000

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601060 SOIL		•	Lab ID:       0601060-002B         Client Sample ID:       BH-32-S         Collection Date:       01/12/06 10:15         Date Received:       01/12/06 15:35         PrenDate:       01/17/06 12:00 A				
Inst. ID:	MS05 26	Sample Size:	_	PrepDate:				
ColumnID:		%Moisture:		BatchNo:	2379/R4	P-N3867.D		
Revision:	01/31/06 10:15:49 A	TestCode:	8270S TAGML		,			
Anaiyte	.÷	Result Qu	al PQL	MDL	Units DF	Date Analyzed		
	ILE ORGANIC COMPO			18270C	-	550B)		
3enzo[k]fluora	Inthene	58 J	410	2.6	µg/Kg-dry 1	01/25/06 9:00		
Benzoic acid	· · · · · ·	ND	2100	130	µg/Kg-dry 1	01/25/06 9:00		
Benzyl alcoho		ND	410	4.6	µg/Kg-dry 1	01/25/06 9:00		
•	hoxy)methane	ND	410	1.6	µg/Kg-dry 1	01/25/06 9:00		
ois(2-chloroeth	• •	NĎ	410	2.3	µg/Kg-dry 1	01/25/06 9:00		
is(2-chloroisc		ND	410	2.3	µg/Kg-dry 1	01/25/06 9:00		
ois(2-Ethylhex		53 J	410	14	µg/Kg-dry 1	01/25/06 9:00		
Butyl benzyl p	hthalate	ND	410	2.7	µg/Kg-dry 1	01/25/06 9:00		
Chrysene		120 J	410	2.0	µg/Kg-dry 1	01/25/06 9:00		
)i-n-butyl phth		ND	410	3.4	µg/Kg-dry 1	01/25/06 9:00		
)i-n-octyl phth		ND	410 .	2.0	µg/Kg-dry 1	01/25/06 9:00		
Dibenz[a,h]ani	thracene	ND	410	1.7	µg/Kg-dry 1	01/25/06 9:00		
Dibenzofuran		ND	410	1.8	µg/Kg-dry 1	01/25/06 9:00		
Diethyl phthala	ate	ND	410	3.0	µg/Kg-dry 1	01/25/06 9:00		
Dimethyl phth	alate	ND	410	2.1	µg/Kg-dry 1	01/25/06 9:00		
luoranthene		170 J	410	1.9	µg/Kg-dry 1	01/25/06 9:00		
luorene		ND	410	2.1	µg/Kg-dry 1	01/25/06 9:00		
lexachlorobe	nzene	ND	410	3.3	µg/Kg-dry 1	01/25/06 9:00		
lexachlorobut	tadiene	ND	410	4.4	µg/Kg-dry 1	01/25/06 9:00		
•	clopentadiene	ND	410	16	µg/Kg-dry 1	01/25/06 9:00		
lexachloroeth	nane	ND	410	4.4	µg/Kg-dry 1	01/25/06 9:00		
ndeno[1,2,3-c	zd]pyrene	ND	410	1.7	µg/Kg-dry 1	01/25/06 9:00		
sophorone	and a second	ND	410	2.0	µg/Kg-dry 1	01/25/06 9:00		
V-Nitroso-di-n	-propylamine	ND	410	3.5	µg/Kg-dry 1	01/25/06 9:00		
N-Nitrosodiph	enylamine	ND	410	2.0	µg/Kg-dry 1	01/25/06 9:00		
laphthalene		ND	410	1.2	µg/Kg-dry 1	01/25/06 9:00		
Nitrobenzene		ND	410	2.5	µg/Kg-dry 1	01/25/06 9:00		
Pentachioroph	nenoi	ND .	2100	34	µg/Kg-dry 1	01/25/06 9:00		
henanthrene	• · · · · · · · · · · · · · · · · · · ·	100 J	410	1.5	µg/Kg-dry 1	01/25/06 9:00		
henol		ND	410	1.7	µg/Kg-dry 1	01/25/06 9:00		
Pyrene		200 J	410	2.0	µg/Kg-dry 1	01/25/06 9:00		
Surr: 2,4,6-	Tribromophenol	90.0	20-143	0	%REC 1	01/25/06 9:00		
Surr: 2-Fluc	probiphenyl	. <b>76.8</b>	46-130	0	%REC 1	01/25/06 9:00		
Surr: 2-Fluc	prophenol	64.9	22-130	0	%REC 1	01/25/06 9:00		
Surr: Nitrob	enzene-d5	68.6	39-130	0	%REC 1	01/25/06 9:00		

ND Not Detected at the Practical Quantitation Limit (PQL)

Prim./Conf. column %D or RPD exceeds limit Р

Print Date: 01/31/06 11:40

## **Analytical Results**

Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:15:49 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: FileID:		01/17/06 12 2379/R437 1-SAMP-N	7
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601060 SOIL	eers, Inc.	· . •	Lab ID: Client Sampl Collection D Date Receive	ate: :d:	01/12/06 1 01/12/06 1	D:15 5:35

Surr: Phenol-d5	۰.	64.4	33-130	0	%REC	1	01/25/06 9:00
Surr: Terphenyl-d14		87.3	36-146	0	%REC	1	01/25/06 9:00

Qualifiers:

В Analyte detected in the associated Method Blank Н Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL) Spike Recovery outside accepted recovery limits

- Value exceeds the instrument calibration range Е J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

S

Life Science Lab	oratories, Inc.		Anal
000 Brittonfield Parkway, Su	ite 200		
ast Syracuse, NY 13057	(315) 437-0200	•	StateCer

## lytical Results

East Syracuse, NY 1305	57 (315)	437-0200		State	CertNo:	10155
CLIENT: O'Brien & Gere Engine Project: Geneva Foundry W Order: 0601060 Matrix: SOIL	ers, Inc.	• .	Lab ID: Client Samp Collection D Date Receiv	ble ID: <b>B</b> bate: 01/	0 <b>1060-00</b> <b>1-32-S</b> 12/06 <b>10</b> : 12/06 15:	15
Inst. ID: MS05 26	Sample Size		PrepDate:		17/06 12:0	00 A
ColumnID: ZB-5 Revision: 01/31/06 10:37:14 A	%Moisture: TestCode:	19.5 8270S TAGML	BatchNo: FileID:		'9/R4381 A-N3953	.D
Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyze
SEMIVOLATILE ORGANIC COMPO	UNDS BY GC/	MS SW	8270C	(	SW3550B	)
,2,4-Trichlorobenzene	ND	410	3.3	µg/Kg-dry	1	01/30/06 22:25
,2-Dichlorobenzene	ND	410	2.9	µg/Kg-dry	1	01/30/06 22:25
,3-Dichlorobenzene	ND	410	2.0	µg/Kg-dry	1	01/30/06 22:25
,4-Dichlorobenzene	ND	410	2.3	µg/Kg-dry	1	01/30/06 22:25
,4,5-Trichlorophenol	ND	2100	41	µg/Kg-dry	1	01/30/06 22:25
,4,6-Trichlorophenol	ND	410	3.8	µg/Kg-dry	1	01/30/06 22:25
,4-Dichiorophenol	ND	410	3.6	µg/Kg-dry	1	01/30/06 22:25
,4-Dimethylphenol	ND	410	3.5	µg/Kg-dry	1	01/30/06 22:25
,4-Dinitrophenol	ND	2100	75	µg/Kg-dry	1	01/30/06 22:25
,4-Dinitrotoluene	ND	410	3.4	µg/Kg-dry	1	01/30/06 22:25
6-Dinitrotoluene	ND	410	4.0	µg/Kg-dry	1	01/30/06 22:25
-Chioronaphthaiene	ND	410	2.0	µg/Kg-dry	1	01/30/06 22:25
2-Chiorophenol	ND	410	2.7	μg/Kg-dry	1	01/30/06 22:25
-Methylnaphthalene	ND	410	2.0	µg/Kg-dry	<b>1</b>	01/30/06 22:25
-Methylphenol	ND	410	2.5	µg/Kg-dry	ĺ 1	01/30/06 22:25
-Nitroaniline	ND	2100	4.3	µg/Kg-dry	1	01/30/06 22:25
-Nitrophenol	ND	410	4.7	µg/Kg-dry	1	01/30/06 22:25
3.3'-Dichlorobenzidine	ND	620	10	µg/Kg-dry	1	01/30/06 22:25
-Nitroaniline	ND	2100	14	µg/Kg-dry	1	01/30/06 22:25
,6-Dinitro-2-methylphenol	ND	2100	34	µg/Kg-dry	1	01/30/06 22:25
-Bromophenyl phenyl ether	ND	410	2.9	µg/Kg-dry	1	01/30/06 22:25
-Chioro-3-methyiphenol	ND	410	3.3	µg/Kg-dry	1	01/30/06 22:25
-Chioroaniline	• • • • <b>ND</b> • • •	······································	· <b>5.0</b> · · · · · · · · ·	∵µg/Kg-dry	·· <b>1</b> · ··	01/30/06 22:25
-Chiorophenyi phenyi ether	ND	410	3.1	µg/Kg-dry	1	01/30/06 22:25
-Methylphenol	ND	410	2.4	µg/Kg-dry	. 1	01/30/06 22:25
-Nitroaniline	ND	2100	6.9	µg/Kg-dry	<b>1</b> ·	01/30/06 22:25
-Nitrophenol	ND	2100	16	µg/Kg-dry	1	01/30/06 22:25
cenaphthene	ND	410	1.5	µg/Kg-dry	1	01/30/06 22:25
cenaphthylene	ND	410	1.8	µg/Kg-dry		01/30/06 22:25
niline	ND	410	5.1	µg/Kg-dry		01/30/06 22:25
Anthracene	ND	410	1.7	`µg/Kg-dry		01/30/06 22:25
enzo[a]anthracene	78 J	410	1.8	µg/Kg-dry		01/30/06 22:25
Senzo[a]pyrene	75 J	410	2.1	µg/Kg-dry	1	01/30/06 22:25
Senzo[b]fiuoranthene	150 J	410	3.0	`µg/Kg-dry	1	01/30/06 22:25
Senzo[g,h,l]perylene	42 J	410	2.1	µg/Kg-dry	1	01/30/06 22:25

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

P Prim./Conf. column %D or RPD exceeds limit

## **Analytical Results**

CLIENT: O'Brien & Gere Enginee Project: Geneva Foundry W Order: 0601060 Matrix: SOIL	rs, Inc.	•	Lab ID: Client Sa Collectio Date Rec		0:15
ColumnID: ZB-5	Sample Size %Moisture: TestCode:		PrepDat BatchNo ML FileID:		1 .
Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOU	NDS BY GC	IMS	SW8270C	(SW3550	) <b>B)</b>
lenzo[k]fluoranthene	47 J	410	2.6	µg/Kg-dry 1	01/30/06 22:25
ienzoic acid	ND	2100	130	µg/Kg-dry 1	01/30/06 22:25
ienzyi alcohoi	ND	410	4.6	µg/Kg-dry 1	01/30/06 22:25
is(2-Chloroethoxy)methane	ND	410	1.6	µg/Kg-dry 1	01/30/06 22:25
is(2-chloroethyl)ether	• ND	410	2.3	µg/Kg-dry 1	01/30/06 22:25
is(2-chlorolsopropyl)ether	ND	410	2.3	ug/Kg-dry 1	01/30/06 22:25
is(2-Ethylhexyl)phthalate	53 J	410	14	μg/Kg-dry 1	01/30/06 22:25
utyl benzyl phthalate	ND	410	2.7	μg/Kg-dry 1	01/30/06 22:25
hrysene	100 J	410	2.0	µg/Kg-dry 1	01/30/06 22:25
i-n-butyl phthalate	42 J	410	3.4	µg/Kg-dry 1	01/30/06 22:25
ii-n-octyl phthalate	ND	410	2.0	µg/Kg-dry 1	01/30/06 22:25
ibenz[a,h]anthracene	ND	410	1.7 ·	µg/Kg-dry 1	01/30/06 22:25
libenzofuran	ND	410	1.8	µg/Kg-dry 1	01/30/06 22:25
liethyl phthalate	ND	410	3.0	µg/Kg-dry 1	01/30/06 22:25
Dimethyl phthalate	ND	410	2.1	μg/Kg-dry 1	01/30/06 22:25
luoranthene	170 J	410	1.9	µg/Kg-dry 1	01/30/06 22:25
luorene	ND	410	2.1	µg/Kg-dry 1	01/30/06 22:25
lexachlorobenzene	ND	410	3.3	µg/Kg-dry 1	01/30/06 22:25
lexachlorobutadiene	ND	410	4.4	ug/Kg-dry 1	01/30/06 22:25
lexachlorocyclopentadiene	ND ND	410	-16	μg/Kg-dry 1	01/30/06 22:25
lexachioroethane	ND	410	4.4	μg/Kg-dry 1	01/30/06 22:25
ndeno[1,2,3-cd]pyrene	ND	410	1.7	μg/Kg-dry 1	01/30/06 22:25
sophorone	ND	410	2.0	µg/Kg-dry 1	01/30/06 22:25
I-Nitroso-di-n-propylamine	ND	410	3.5	μg/Kg-dry 1	01/30/06 22:25
I-Nitrosodiphenylamine	ND	410	2.0	µg/Kg-dry 1	01/30/06 22:25
laphthalene	ND ·	410	1.2	μg/Kg-dry 1	01/30/06 22:25
litrobenzene	ND	410	2.5	µg/Kg-diry 1	01/30/06 22:25
Pentachiorophenol	ND ND	2100	2.3 34	µg/Kg-dry 1	01/30/06 22:25
Phenanthrene	96 J	410	1.5	µg/Kg-dry 1	01/30/06 22:25
henol	ND	410	1.7	μġ/Kg-dry 1	01/30/06 22:25
yrene	140 J	410	2.0	μg/Kg-dry 1	01/30/06 22:25
Sun: 2,4,6-Tribromophenol	140 5	20-143	2.0	%REC 1	01/30/06 22:25
Sur: 2-Fluorobiphenyl	83.0	46-130	- 0	%REC 1	01/30/06 22:25
Surr: 2-Fluorophenol	62.8	22-130	0	%REC 1	01/30/06 22:25
Surr: Nitrobenzene-d5			0	%REC 1	01/30/06 22:25
OUIT. MILLOUENZERIE-CO	69.2	39-130	U.		0 1/00/00 22.20

S Spike Recovery outside accepted recovery limits

**Analytical Results** 

E	ast Syracuse,NY 130	57 (315)	437-0200		StateCertNo: 10155				
CLIENT:	O'Brien & Gere Engine	eers, Inc.		Lab I		•	60-002B		
Project:	Geneva Foundry			Client	t Sample ID:				
W Order:	0601060			Colle	ction Date:	01/12/0	)6 10:15		
Matrix:	SOIL	· ·		Date 1	Received:	01/12/0	)6 15:35		
Inst. ID:	MS05 26	Sample Size:	30 g	Prepl	Date:	01/17/0	6 12:00 A		
ColumnID:	ZB-5	%Moisture:	19.5	Batch	No:	2379/R	4381		
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAG	ML FileII	):	1-RA-N	13953.D		
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Unit	s DF	r Da	ate Analyzed	
SEMIVOLAT	ILE ORGANIC COMPO	DUNDS BY GC/	MS	SW8270C		(SW3	550B)		
Surr: Pheno	ol-d5	60.0	33-130	0	%RE	C İ	01/	/30/06 22:25	
Surr: Terph	enyl-d14	73.1	36-146	0	%RE	C 1	01/	/30/06 22:25	

Qualifiers:

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Practical Quantitation Limit (PQL)
 Guide Detected at the Practical Quantitation Limit (PQL)

E Value exceeds the instrument calibration range

J Analyte detected below the PQL P Prim./Conf. column %D or RPD exceeds limit

S Spike Recovery outside accepted recovery limits

**Analytical Results** 

CLIENT: O'Brien & Gere Eng Project: Geneva Foundry V Order: 0601060 Matrix: SOIL	ineers, Inc.		Coll	Int Sample ID:         BH-32-D           ection Date:         01/12/06 10           e Received:         01/12/06 15	30 35
nst. ID: MS05 26 ColumnID: ZB-5 Revision: 01/31/06 10:15:49 A	Sample Size: %Moisture: TestCode:	—	Bate	pDate: 01/17/06 12: chNo: 2379/R4377 ID: 1-SAMP-N3	
nalyte	Result Qu		MDI		Date Analyze
EMIVOLATILE ORGANIC COM	POUNDS BY GC/	MS S	SW82700	C (SW3550E	3)
2,4-Trichlorobenzene	ND	390	3.1	μg/Kg-dry 1	01/25/06 9:38
2-Dichlorobenzene	ND	390	2.8	μg/Kg-dry 1	01/25/06 9:38
,3-Dichlorobenzene	ND	390	1.9	μg/Kg-dry 1	01/25/06 9:38
4-Dichlarobenzene	ND	390	2.2	μg/Kg-dry 1	01/25/06 9:38
4,5-Trichlorophenol	ND	2000	39	µg/Kg-dry 1	01/25/06 9:38
,4,6-Trichlorophenol	ND	390	3.6	μg/Kg-dry 1	01/25/06 9:38
,4-Dichlorophenol	ND	390	3.6	µg/Kg-dry 1	01/25/06 9:38
,4-Dimethylphenol	ND	390	3.3	μg/Kg-dry 1	01/25/06 9:38
4-Dinitrophenol	ND	2000	71	μg/Kg-dry 1	01/25/06 9:38
.4-Dinitrotoluene	ND	390	3.3	μg/Kg-dry 1	01/25/06 9:38
6-Dinitrotoluene	ND	390	3.8	μg/Kg-dry 1	01/25/06 9:38
Chloronaphthalene	ND	390	1.9	μg/Kg-dry 1	01/25/06 9:38
Chlorophenol	ND	390	2.6	µg/Kg-dry 1	01/25/06 9:38
Methylnaphthalene	ND	390	1.9	µg/Kg-dry 1	01/25/06 9:38
Methylphenol	ND	390	2.4	µg/Kg-dry 1	01/25/06 9:38
Nitroaniline	ND	2000	4.1	μg/Kg-dry 1	01/25/06 9:38
Nitrophenol	ND	390	4.5	µg/Kg-dry 1	01/25/06 9:38
3 -Dichlorobenzidine	ND	780	9.6	µg/Kg-dry 1	01/25/06 9:38
-Ntroaniline	ND	2000	13	μg/Kg-dry 1	01/25/06 9:38
6-Dinitro-2-methylphenol	ND	2000	32	µg/Kg-dry 1	01/25/06 9:38
Bromophenyl phenyl ether	ND	390	2.7	µg/Kg-dry 1	01/25/06 9:38
-Chioro-3-methylphenol	ND	390	3.1	µg/Kg-dry 1	01/25/06 9:38
-Chioroaniline	ND	390	4.8	µg/Kg-dry 1	01/25/06 9:38
Chlorophenyl phenyl ether	ND	390	3.0	µg/Kg-dry 1	01/25/06 9:38
Methylphenol	ND	390	2.2	µg/Kg-dry 1	01/25/06 9:38
Nitroaniline	ND	2000	6.5	µg/Kg-dry 1	01/25/06 9:38
-Nitrophenoi	ND	2000	16	μg/Kg-dry 1	01/25/06 9:38
cenaphthene	ND	390	1.4	µg/Kg-dry 1	01/25/06 9:38
cenaphthylene	ND	390	1.7	µg/Kg-dry 1	01/25/06 9:38
niline	ND	390	4.8	µg/Kg-dry 1	01/25/06 9:38
nthracene	ND	. 390	1.6	µg/Kg-dry 1	01/25/06 9:38
enzo[a]anthracene	70 J	390	1.7	µg/Kg-dry 1	01/25/06 9:38
enzo[a]pyrene	81 J	390	1.9	µg/Kg-dry 1	01/25/06 9:38
enzo[b]fluoranthene	140 J	390	2.8	µg/Kg-dry 1	01/25/06 9:38
enzojg,h,ijperylene	ND	390	2.0	μg/Kg-dry 1	01/25/06 9:38
Qualifiers: B Analyte detected in	n the associated Metho	d Blank	E	Value exceeds the instrument calib	ration range
A multiple of	preparation or analysis		1	Analyte detected below the PQL	
ND Not Detected at the				Prim /Conf. column %D or RPD en	

**Analytical Results** 

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601060 SOIL	eers, Inc.	· · ·	Lab ID: Client San Collection Date Rece	ived: 01/12/06	<b>)</b> 10:30 15:35
Inst. ID: ColumnID: Revision:	MS05 26 ZB-5 01/31/06 10:15:49 A	Sample Size: %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:	01/17/06 1 2379/R43 1-SAMP-1	
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Units DF	Date Analyzed
SEMIVOLAT	TILE ORGANIC COMPO	UNDS BY GC/	'MS SW	8270C	(SW355	0B)
Benzo[k]fluora	inthène	46 J	390	2.5	µg/Kg-dry 1	01/25/06 9:38
Benzoic acid		ND	2000	120	μg/Kg-dry 1	01/25/06 9:38
Benzyl alcoho	l	ND	390	4.3	µg/Kg-dry 1	01/25/06 9:38
bis(2-Chloroet	hoxy)methane	ND	390	1.5	µg/Kg-dry 1	01/25/06 9:38
bis(2-chloroeti	h <b>yi)ether</b>	ND	390	2.2	µg/Kg-dry 1	01/25/06 9:38
bis(2-chloroisc	propyl)ether	ND	390	2.2	µg/Kg-dry 1	01/25/06 9:38
bis(2-Ethylhex	yl)phthalate	ND	390	13	µg/Kg-dry 1	01/25/06 9:38
Butyl benzyl p	hthalate	ND	390	2.6	µg/Kg-dry 1	01/25/06 9:38
Chrysene		86 J	390	1.8	µg/Kg-dry 1	01/25/06 9:38
Di- <mark>n-butyl p</mark> hth	nalate	ND	390	3.2	µg/Kg-dry 1	01/25/06 9:38
Di-n-octyl phth	alate	ND	390	1.8	µg/Kg-dry 1	01/25/06 9:38
Dibenz[a,h]ani	thracene	ND	390	1.6	µg/Kg-dry 1	01/25/06 9:38
Dibenzofuran		ND	390	1.7	µg/Kg-dry 1	01/25/06 9:38
Diethyl phthala	ate	ND	390	2.8	µg/Kg-dry 1	01/25/06 9:38
Dimethyl phth	alate	ND	390	2.0	µg/Kg-dry 1	01/25/06 9:38
Fluoranthene		100 J	390	1.8	µg/Kg-dry 1	01/25/06 9:38
Fluorene	,	ND	390	1.9	µg/Kg-dry 1	01/25/06 9:38
Hexachiorobei	nzene	. ND	390	3.1	µg/Kg-dry 1	01/25/06 9:38
Hexachlorobul	tadiene	ND	390	4.1	µg/Kg-dry 1	01/25/06 9:38
Hexachlorocyc	slopentadiene	ND	390	15	µg/Kg-dry 1	01/25/06 9:38
Hexachloroeth	ane	ND	390	4.2	µg/Kg-dry 1	01/25/06 9:38
ndeno[1,2,3-0	d]pyrene	ND	390	1.6	µg/Kg-dry 1	01/25/06 9:38
sophorane		ND	390	1.9	µg/Kg-dry 1	01/25/06 9:38
N-Nitroso-di-n	-propylamine	ND	390	3.3	µg/K <b>g-dry 1</b>	01/25/06 9:38
N-Nitrosodiphe	enylamine	ND	390	1.8	µg/Kg-dry 1	01/25/06 9:38
Naphthalene		ND	390	1.2	µg/Kg-dry 1	01/25/06 9:38
Nitrobenzene		ND	390	2.3	µg/Kg-dry 1	01/25/06 9:38
Pentachloroph	enol	ND	2000	32	µg/Kg-dry 1	01/25/06 9:38
Phenanthrene		47 J	390	1.4	µg/Kg-dry 1	01/25/06 9:38
Phenol	· · · ·	ND	390	1.6	µg/Kg-dry 1	01/25/06 9:38
Pyrene		120 J	390	1.9	µg/Kg-dry 1	01/25/06 9:38
Surr: 2,4,6-	Tribromophenol	91.0	20-143	0	%REC 1	01/25/06 9:38
Sur: 2-Fluo	robiphenyl	77.9	46-130	0	%REC 1	01/25/06 9:38
Sur: 2-Fluo		64.5	22-130	0	%REC 1	01/25/06 9:38
	enzene-d5	68.8	39-130	<b>0</b>	%REC 1	01/25/06 9:38
Qualifiers:	<ul> <li>B Analyte detected in th</li> <li>H Holding times for prep</li> <li>ND Not Detected at the Pr</li> </ul>	paration or analysis	exceeded	J Analyte	acceeds the instrument can detected below the PQL onf, column %D or RPD	

Print Date: 01/31/06 11:40

83.2

**Analytical Results** 

01/25/06 9:38

E	ast Syracuse, NY 130	57 (315)	) <b>437-020</b> 0	7 (315) 437-0200 StateCertNo: 10			
CLIENT:	O'Brien & Gere Engine	eers, Inc.		Lab ID:		0601060-0	03B
Project:	Geneva Foundry	-		Client Samp	le ID:	BH-32-D	2
W Order:	0601060			Collection D	ate:	01/12/06 10	:30
Matrix:	SOIL			Date Receiv	ed:	01/12/06 15	:35
Inst. ID:	MS05 26	Sample Size	:30 g	<b>PrepDate:</b>		01/17/06 12:	:00 A
ColumnID:	<b>ZB-</b> 5	%Moisture:	•	BatchNo:	•	2379/R4377	
Revision:	01/31/06 10:15:49 A	TestCode:	8270S TAGM	L FileID:		1-SAMP-N3	868.D
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyz
SEMIVOLAT	ILE ORGANIC COMPO	OUNDS BY GC	ins s	W8270C	4	(SW3550E	3)
Surr: Pheno		65.2	33-130	0	%REC	2 1	01/25/06 9:38

36-146

0

Qualifiers:

Surr: Terphenyl-d14

Analyte detected in the associated Method Blank в H Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range  $\mathbf{E}$ :

%REC

J Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit P

SEMIVOLATILE ORGANIC COMPOUNDS BY CC/MS         SW8270C         (SW3550B)           SEMIVOLATILE ORGANIC COMPOUNDS BY CC/MS         SW8270C         (SW3550B)           1,2-Dichlorobenzene         ND         390         3.1         µg/kg-dry         1         01/30/06 21:10           1,2-Dichlorobenzene         ND         390         2.8         µg/kg-dry         1         01/30/06 21:10           1,4-Dichlorobenzene         ND         390         2.2         µg/kg-dry         1         01/30/06 21:10           2,4,5-Trichlorophenol         ND         390         3.6         µg/kg-dry         1         01/30/06 21:10           2,4-Direthyphenol         ND         390         3.8         µg/kg-dry         1         01/30/06 21:10           2,4-Direthyphenol         ND         390         3.8         µg/kg-dry         1         01/30/06 21:10           2,4-Direthyphenol         ND         390         3.3         µg/kg-dry         1         01/30/06 21:10           2,4-Direthyphenol         ND         390         3.8         µg/kg-dry         1         01/30/06 21:10           2,4-Direthyphenol         ND         390         1.9         µg/kg-dry         1         01/30/06 21:10           2,4-Dinthyp	East Syracuse, NY 130	57 (315	) 437-0200		StateCertNo	»: 10155
ColumnID:         ZB-5         YAMoisture:         15.1         BatcbNo:         2379/R4381           Revision:         01/31/06 10:37:14 A         TestCode:         82705 TAGML         FileID:         1-RA-N3951.D           Analyte         Result Qual PQL         MDL         Units         DF         Date Analyz           SEMI/OCATILE ORGANIC COMPOUNDS BY GC/MS         SW8270C         (SW3550B)         1         µg/kg-dry 1         01/3006 21:10           1,2.4-Trichlorobenzene         ND         380         3.1         µg/kg-dry 1         01/3006 21:10           3,2.Dichlorobenzene         ND         380         2.8         µg/kg-dry 1         01/3006 21:10           4,2-Dichlorobenzene         ND         380         2.8         µg/kg-dry 1         01/3006 21:10           1,4-Dichlorobenzene         ND         380         3.6         µg/kg-dry 1         01/3006 21:10           2,4-Dichlorophenol         ND         390         3.3         µg/kg-dry 1         01/3006 21:10           2,4-Dintrobluene         ND         390         3.3         µg/kg-dry 1         01/3006 21:10           2,4-Dintrobluene         ND         390         3.8         µg/kg-dry 1         01/3006 21:10           2,4-Dintrobluene         ND<	Project: Geneva Foundry W Order: 0601060	eers, Inc.		Client San Collection	Date:         BH-32-D           01/12/06 1	) 0:30
Stemivol ATILE ORGANIC COMPOUNDS BY CC/MS         SW8270C         (SW3550B)           1,2-Dichlorobenzene         ND         390         2.8         µg/Kg-dry         1         01/30/06 21:10           1,2-Dichlorobenzene         ND         390         2.8         µg/Kg-dry         1         01/30/06 21:10           1,3-Dichlorobenzene         ND         390         2.8         µg/Kg-dry         1         01/30/06 21:10           2,4-5-Trichlorophenol         ND         390         2.2         µg/Kg-dry         1         01/30/06 21:10           2,4-5-Trichlorophenol         ND         390         3.6         µg/Kg-dry         1         01/30/06 21:10           2,4-Dichlorophenol         ND         390         3.6         µg/Kg-dry         1         01/30/06 21:10           2,4-Dirktophenol         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           2,4-Dinktophenol         ND         390         3.8         µg/Kg-dry         1         01/30/06 21:10           2,4-Dinktophenol         ND         390         3.8         µg/Kg-dry         1         01/30/06 21:10           2,4-Dinktophenol         ND         390         1.9         µg/Kg-dry         1	ColumnID: ZB-5	%Moisture	: 15.1	BatcbNo:	2 <b>379/</b> R438	1 .
1,2,4-Trichlorobenzene         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           1,2-Dichlorobenzene         ND         390         1.8         µg/Kg-dry         1         01/30/06 21:10           1,3-Dichlorobenzene         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           2,4,5-Trichlorophenol         ND         390         3.6         µg/Kg-dry         1         01/30/06 21:10           2,4,6-Trichlorophenol         ND         390         3.6         µg/Kg-dry         1         01/30/06 21:10           2,4-Dirichorophenol         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           2,4-Dirictorius         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           2,4-Dirictorius         ND         390         3.8         µg/Kg-dry         1         01/30/06 21:10           2,4-Dirictorius         ND         390         3.8         µg/Kg-dry         1         01/30/06 21:10           2,4-Dirictorius         ND         390         2.6         µg/Kg-dry         1         01/30/06 21:10           2,4-Dirictorius         ND         390 <t< th=""><th>Analyte</th><th>Result Qu</th><th>al PQL</th><th>MDL</th><th>Units DF</th><th>Date Analyze</th></t<>	Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyze
12.4-Trichlorobenzene         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           J.2-Dichlorobenzene         ND         390         2.8         µg/Kg-dry         1         01/30/06 21:10           J.3-Dichlorobenzene         ND         390         2.8         µg/Kg-dry         1         01/30/06 21:10           J.4-Dichlorobenzene         ND         390         2.2         µg/Kg-dry         1         01/30/06 21:10           J.4.5-Trichlorophenol         ND         390         3.6         µg/Kg-dry         1         01/30/06 21:10           J.4.5-Trichlorophenol         ND         390         3.6         µg/Kg-dry         1         01/30/06 21:10           J.4-Dintrothusene         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           J.4-Dintrothusene         ND         390         3.8         µg/Kg-dry         1         01/30/06 21:10           J.4-Dintrothusene         ND         390         3.8         µg/Kg-dry         1         01/30/06 21:10           J.4-Dintrothusene         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           J.4-Dintrothusene         ND         390	SEMIVOLATILE ORGANIC COMPO	UNDS BY GC	/MS SW	8270C	(SW3550	) <b>B)</b>
ND         390         2.8         µg/kg-dry         1         01/30/06 21:10           1,3-Dichlorobenzene         ND         390         1.9         µg/kg-dry         1         01/30/06 21:10           1,4-Dichlorobenzene         ND         390         2.2         µg/kg-dry         1         01/30/06 21:10           2,4,5-Trichlorophenol         ND         390         3.6         µg/kg-dry         1         01/30/06 21:10           2,4-Dichlorophenol         ND         390         3.6         µg/kg-dry         1         01/30/06 21:10           2,4-Dirkthyphenol         ND         390         3.3         µg/kg-dry         1         01/30/06 21:10           2,4-Dinkthyphenol         ND         390         1.9         µg/kg-dry         1         01/30/06 21:10           2,4-Dirkthyphenol         ND         390         2.4         µg/kg-dry <td>•</td> <td></td> <td></td> <td></td> <td>•</td> <td>01/30/06 21:10</td>	•				•	01/30/06 21:10
3-Dichlorobenzene         ND         380         1.9         µg/Kg-dry         1         01/30/06 21:10           4.4-Dichlorobenzene         ND         390         2.2         µg/Kg-dry         1         01/30/06 21:10           4.4.5-Trichlorophenol         ND         390         3.6         µg/Kg-dry         1         01/30/06 21:10           4.4.5-Trichlorophenol         ND         390         3.6         µg/Kg-dry         1         01/30/06 21:10           4.4-Dirktophenol         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           2.4-Dirktophenol         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           2.4-Dinktophenol         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           2.4-Dinktophenol         ND         390         3.8         µg/Kg-dry         1         01/30/06 21:10           2.4-Dinktophenol         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           2.4-Diktophenol         ND         390         2.4         µg/Kg-dry         1         01/30/06 21:10           2.4-Diktophenol         ND         390         4.5 <td></td> <td></td> <td></td> <td>2.8</td> <td></td> <td>01/30/06 21:10</td>				2.8		01/30/06 21:10
A-Dichlorobenzane         ND         390         2.2         µg/Kg-dry         01/30/06 21:10           A4,5-Trichlorophenol         ND         2000         39         µg/Kg-dry         1         01/30/06 21:10           2,4,6-Trichlorophenol         ND         390         3.6         µg/Kg-dry         1         01/30/06 21:10           2,4-Dichlorophenol         ND         390         3.6         µg/Kg-dry         1         01/30/06 21:10           2,4-Dimethylphenol         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           2,4-Dinitrotoluene         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           2,4-Dinitrotoluene         ND         390         3.8         µg/Kg-dry         1         01/30/06 21:10           2,4-Dinitrotoluene         ND         390         3.8         µg/Kg-dry         1         01/30/06 21:10           2,4-Dinitrotoluene         ND         390         2.6         µg/Kg-dry         1         01/30/06 21:10           2,4-Dinitrotoluene         ND         390         2.6         µg/Kg-dry         1         01/30/06 21:10           2,4-Dinitrotoluene         ND         390         1.6	·					01/30/06 21:10
2,4,5-Trichlorophenol         ND         2000         39         µg/Kg-dry         1         01/30/06 21:10           2,4,5-Trichlorophenol         ND         390         3.6         µg/Kg-dry         1         01/30/06 21:10           2,4-Dirchlyphenol         ND         390         3.6         µg/Kg-dry         1         01/30/06 21:10           2,4-Dirnethyphenol         ND         390         3.6         µg/Kg-dry         1         01/30/06 21:10           2,4-Dirnethyphenol         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           2,4-Dinitrophenol         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           2,4-Dinitrophenol         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           2,4-Dirothyphanol         ND         390         2.6         µg/Kg-dry         1         01/30/06 21:10           2-Methyphanol         ND         390         2.4         µg/Kg-dry         1         01/30/06 21:10           2-Methyphenol         ND         390         2.4         µg/Kg-dry         1         01/30/06 21:10           2-Methyphenol         ND         390         2.4				2.2		01/30/06 21:10
A4,8-Trichlorophenol         ND         390         3,6         µg/Kg-dry         01/30/06 21:10           A4-Dichtorophenol         ND         390         3,6         µg/Kg-dry         1         01/30/06 21:10           A4-Dichtorophenol         ND         390         3,3         µg/Kg-dry         1         01/30/06 21:10           A4-Dintorbuene         ND         390         3,3         µg/Kg-dry         1         01/30/06 21:10           A4-Dintorbuene         ND         390         3,3         µg/Kg-dry         1         01/30/06 21:10           A5-Dintorbuene         ND         390         3,8         µg/Kg-dry         1         01/30/06 21:10           Chlorophenol         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Chlorophenol         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Chlorophenol         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           Attroaniline         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           Attroaniline         ND         2000         13         µg/Kg-dry         1	-	ND	2000	39		01/30/06 21:10
A-Dichlorophenol         ND         390         3.6         µg/Kg-dry         01/30/06 21:10           A-Dimethylphenol         ND         390         3.3         µµ/Kg-dry         1         01/30/06 21:10           A-Dimethylphenol         ND         390         3.3         µµ/Kg-dry         1         01/30/06 21:10           A-Dinktrotoluene         ND         390         3.8         µµ/Kg-dry         1         01/30/06 21:10           A-Dinktrotoluene         ND         390         3.8         µµ/Kg-dry         1         01/30/06 21:10           C-Chioronaphthalene         ND         390         1.9         µµ/Kg-dry         1         01/30/06 21:10           C-Chiorophenol         ND         390         1.9         µµ/Kg-dry         1         01/30/06 21:10           C-Methylphaphthalene         ND         390         1.9         µµ/Kg-dry         1         01/30/06 21:10           NMEthylphenol         ND         390         4.5         µµ/Kg-dry         1         01/30/06 21:10           NAItroaniline         ND         2000         4.1         µµ/Kg-dry         1         01/30/06 21:10           ND         390         3.1         µµ/Kg-dry         1         01/3				3.6		01/30/06 21:10
4-Dimethylphenol         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           4-Dintrotoluene         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           4-Dintrotoluene         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           6-Dintrotoluene         ND         390         3.8         µg/Kg-dry         1         01/30/06 21:10           6-Dintrotoluene         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Chiorophenol         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           -Methylphenol         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           -Methylphenol         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           -Nitroaniline         ND         2000         43         µg/Kg-dry         1         01/30/06 21:10           -Nitroaniline         ND         2000         13         µg/Kg-dry         1         01/30/06 21:10           -Chiorophenyl phenyl ether         ND         390         3.1         µg/Kg-d	••••••	ND	390	3.6	µg/Kg-dry 1	01/30/06 21:10
L4-Dinitrophenol         ND         2000         71         µg/Kg-dry         1         01/30/06 21:10           4-Dinitrotoluene         ND         390         3.3         µg/Kg-dry         1         01/30/06 21:10           6, Dinitrotoluene         ND         390         3.8         µg/Kg-dry         1         01/30/06 21:10           Chloronaphthalene         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Chloronaphthalene         ND         390         2.6         µg/Kg-dry         1         01/30/06 21:10           Chloronaphthalene         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Chlorophenol         ND         390         2.4         µg/Kg-dry         1         01/30/06 21:10           -Nitrophenol         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           -Nitrophenol         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           -Nitrophenol         ND         2000         32         µg/Kg-dry         1         01/30/06 21:10           -S-Dichrorbenzidine         ND         2000         32         µg/Kg-	•	ND	390	3.3		01/30/06 21:10
A-Dinitrotoluene         ND         390         3.3         µg/Kg-dry         1         01/30/06         21:10           6-Dinitrotoluene         ND         390         3.8         µg/Kg-dry         1         01/30/06         21:10           C-Choronaphthalene         ND         390         1.9         µg/Kg-dry         1         01/30/06         21:10           C-Choronaphthalene         ND         390         1.9         µg/Kg-dry         1         01/30/06         21:10           C-Choronaphthalene         ND         390         2.6         µg/Kg-dry         1         01/30/06         21:10           Methylaphthalene         ND         390         2.4         µg/Kg-dry         1         01/30/06         21:10           Mitrophenol         ND         390         4.5         µg/Kg-dry         1         01/30/06         21:10           S-Oichloroberzidine         ND         700         9.6         µg/Kg-dry         1         01/30/06         21:10           S-Oichloroberzidine         ND         390         3.1         µg/Kg-dry         1         01/30/06         21:10           S-Oichloroberzidine         ND         390         3.1         µg/Kg-dry	• -	ND	2000	71		01/30/06 21:10
B-Dinitrotoluene         ND         390         3.8         µg/Kg-dry         01/30/06 21:10           4-Chloronaphthalene         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           4-Chloronaphthalene         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           4-Methylnaphthalene         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           4-Methylnaphthalene         ND         390         2.4         µg/Kg-dry         1         01/30/06 21:10           4-Methylnaphthalene         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           4-Nitroaniline         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           4-Nitroaniline         ND         2000         13         µg/Kg-dry         1         01/30/06 21:10           4-G-Dintro-2-methylphenol         ND         2000         32         µg/Kg-dry         1         01/30/06 21:10           4-G-Dintro-2-methylphenol         ND         390         2.7         µg/Kg-dry         1         01/30/06 21:10           4-Chloro-3-methylphenol         ND         390         3	- · ·					01/30/06 21:10
Chloronaphthalene         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Chlorophenol         ND         390         2.6         µg/Kg-dry         1         01/30/06 21:10           Methylnaphthalene         ND         390         2.6         µg/Kg-dry         1         01/30/06 21:10           Methylnaphthalene         ND         390         2.4         µg/Kg-dry         1         01/30/06 21:10           Mitrophenol         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           Anitrophenol         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           S-Oichlorobenzidine         ND         780         9.6         µg/Kg-dry         1         01/30/06 21:10           Altrophenol         ND         2000         13         µg/Kg-dry         1         01/30/06 21:10           Age-Dintro-2-methylphenol         ND         2000         32         µg/Kg-dry         1         01/30/06 21:10           -Chlorophenyl phenyl ether         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           -Chlorophenyl phenyl ether         ND         390         3	•			-		01/30/06 21:10
Product         ND         390         2.6         µg/Kg-dry         1         01/30/08 21:10           Pethylnaphthalene         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Pethylnaphthalene         ND         390         2.4         µg/Kg-dry         1         01/30/06 21:10           Pethylphenol         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           Pethylphenol         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           Antrophenol         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           Antrophenol         ND         2000         13         µg/Kg-dry         1         01/30/06 21:10           Antrophenol         ND         2000         32         µg/Kg-dry         1         01/30/06 21:10           Antrophenol         ND         390         2.7         µg/Kg-dry         1         01/30/06 21:10           Antrophenol         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           -Chlorophenyl phenyl ether         ND         390         3.0         µg/Kg-dry	•			1.9		01/30/06 21:10
Puterthylinaphthalene         ND         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Puterthyliphenol         ND         390         2.4         µg/Kg-dry         1         01/30/06 21:10           Puttroaniline         ND         2000         4.1         µg/Kg-dry         1         01/30/06 21:10           Puttroaniline         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           Puttroaniline         ND         2000         13         µg/Kg-dry         1         01/30/06 21:10           Puttroaniline         ND         2000         13         µg/Kg-dry         1         01/30/06 21:10           Puttroaniline         ND         2000         32         µg/Kg-dry         1         01/30/06 21:10           Puttroaniline         ND         2000         32         µg/Kg-dry         1         01/30/06 21:10           Puttroaniline         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           Puttroaniline         ND         390         3.0         µg/Kg-dry         1         01/30/06 21:10           Puttrophenol         ND         390         3.6         µg/Kg-dry				2.6		01/30/06 21:10
Hethylphenol         ND         390         2.4         µg/Kg-dry         1         01/30/06 21:10           Nitroaniline         ND         2000         4.1         µg/Kg-dry         1         01/30/06 21:10           Nitrophenol         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           Nitrophenol         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           Nitrophenol         ND         2000         13         µg/Kg-dry         1         01/30/06 21:10           Nitrophenol         ND         2000         32         µg/Kg-dry         1         01/30/06 21:10           Aptimositine         ND         2000         32         µg/Kg-dry         1         01/30/06 21:10           - Efromophenyl phenyl ether         ND         390         2.7         µg/Kg-dry         1         01/30/06 21:10           - Chloro-3-methylphenol         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           - Chloro-amiline         ND         390         3.0         µg/Kg-dry         1         01/30/06 21:10           - Nitrophenol         ND         2000         6.5         µg/Kg-dry <td>•</td> <td></td> <td></td> <td>1.9</td> <td></td> <td>01/30/06 21:10</td>	•			1.9		01/30/06 21:10
ND         2000         4.1         µg/Kg-dry         1         01/30/06 21:10           2-Nitrophenol         ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           3.3'-Dichlorobenzidine         ND         780         9.6         µg/Kg-dry         1         01/30/06 21:10           Altroaniline         ND         2000         13         µg/Kg-dry         1         01/30/06 21:10           Altroaniline         ND         2000         32         µg/Kg-dry         1         01/30/06 21:10           Altroaniline         ND         390         2.7         µg/Kg-dry         1         01/30/06 21:10           L-Chloro-3-methylphenol         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           L-Chloroaniline         ND         390         3.0         µg/Kg-dry         1         01/30/06 21:10           L-Chlorophenyl phenyl ether         ND         390         3.0         µg/Kg-dry         1         01/30/06 21:10           L-Nitrophenol         ND         390         2.2         µg/Kg-dry         1         01/30/06 21:10           L-Nitrophenol         ND         390         1.4         µg/Kg-dry         1						01/30/06 21:10
ND         390         4.5         µg/Kg-dry         1         01/30/06 21:10           0,3'-Dichlorobenzidine         ND         780         9.6         µg/Kg-dry         1         01/30/06 21:10           Nitroaniline         ND         2000         13         µg/Kg-dry         1         01/30/06 21:10           Hitroaniline         ND         2000         32         µg/Kg-dry         1         01/30/06 21:10           Hormophenyl phenyl ether         ND         390         2.7         µg/Kg-dry         1         01/30/06 21:10           H-Chloro-3-methylphenol         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           H-Chloro-3-methylphenol         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           H-Chloroaniline         ND         390         3.0         µg/Kg-dry         1         01/30/06 21:10           H-Chlorophenyl phenyl ether         ND         390         3.0         µg/Kg-dry         1         01/30/06 21:10           H-Mitryphenol         ND         390         2.2         µg/Kg-dry         1         01/30/06 21:10           I-Nitroaniline         ND         390         1.4         µg/Kg-						01/30/06 21:10
ND         780         9.6         µg/Kg-dry         1         01/30/06 21:10           Nitroaniline         ND         2000         13         µg/Kg-dry         1         01/30/06 21:10           No         2000         32         µg/Kg-dry         1         01/30/06 21:10           No         2000         32         µg/Kg-dry         1         01/30/06 21:10           Hermophenyl phenyl ether         ND         390         2.7         µg/Kg-dry         1         01/30/06 21:10           Hermophenyl phenyl ether         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           Hethylphenol         ND         390         4.8         µg/Kg-dry         1         01/30/06 21:10           Hethylphenol         ND         390         3.0         µg/Kg-dry         1         01/30/06 21:10           Hethylphenol         ND         390         2.2         µg/Kg-dry         1         01/30/06 21:10           Hethylphenol         ND         2000         6.5         µg/Kg-dry         1         01/30/06 21:10           Hethylphenol         ND         390         1.4         µg/Kg-dry         1         01/30/06 21:10           Acenaphth		_		4.5		01/30/06 21:10
NIX         ND         2000         13         µg/Kg-dry         1         01/30/06 21:10           4,6-Dinitro-2-methylphenol         ND         2000         32         µg/Kg-dry         1         01/30/06 21:10           4-Bromophenyl phenyl ether         ND         390         2.7         µg/Kg-dry         1         01/30/06 21:10           4-Chloro-3-methylphenol         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           4-Chloro-3-methylphenol         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           4-Chloro-3-methylphenol         ND         390         4.8         µg/Kg-dry         1         01/30/06 21:10           4-Chloroaniline         ND         390         3.0         µg/Kg-dry         1         01/30/06 21:10           4-Methylphenol         ND         390         2.2         µg/Kg-dry         1         01/30/06 21:10           4-Nitrophenol         ND         2000         6.5         µg/Kg-dry         1         01/30/06 21:10           Acenaphthylene         ND         390         1.4         µg/Kg-dry         1         01/30/06 21:10           Acenaphthylene         ND         390 <td< td=""><td>•</td><td></td><td></td><td>9.6</td><td></td><td>01/30/06 21:10</td></td<>	•			9.6		01/30/06 21:10
A.6-Dinitro-2-methylphenol       ND       2000       32       µg/Kg-dry 1       01/30/06 21:10         4-Bromophenyl phenyl ether       ND       390       2.7       µg/Kg-dry 1       01/30/06 21:10         4-Chloro-3-methylphenol       ND       390       3.1       µg/Kg-dry 1       01/30/06 21:10         4-Chloro-3-methylphenol       ND       390       3.1       µg/Kg-dry 1       01/30/06 21:10         4-Chloro-aniline       ND       390       4.8       µg/Kg-dry 1       01/30/06 21:10         4-Chlorophenyl phenyl ether       ND       390       3.0       µg/Kg-dry 1       01/30/06 21:10         4-Chlorophenyl phenyl ether       ND       390       2.2       µg/Kg-dry 1       01/30/06 21:10         4-Methylphenol       ND       2000       6.5       µg/Kg-dry 1       01/30/06 21:10         4-Nitrophenol       ND       2000       16       µg/Kg-dry 1       01/30/06 21:10         Acenaphthene       ND       390       1.7       µg/Kg-dry 1       01/30/06 21:10         Acenaphthylene       ND       390       1.6       µg/Kg-dry 1       01/30/06 21:10         Anthracene       ND       390       1.7       µg/Kg-dry 1       01/30/06 21:10         9enzo[a	-			13		01/30/06 21:10
Heromophenyl phenyl ether         ND         390         2.7         µg/Kg-dry         1         01/30/06 21:10           H-Chloro-3-methylphenol         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           H-Chloro-3-methylphenol         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           H-Chlorophenyl phenyl ether         ND         390         3.0         µg/Kg-dry         1         01/30/06 21:10           H-Methylphenol         ND         390         2.2         µg/Kg-dry         1         01/30/06 21:10           H-Methylphenol         ND         2000         6.5         µg/Kg-dry         1         01/30/06 21:10           H-Nitrophenol         ND         2000         16         µg/Kg-dry         1         01/30/06 21:10           Acenaphthene         ND         390         1.4         µg/Kg-dry         1         01/30/06 21:10           Acenaphthylene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Acenaphthylene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Anthracene         ND         390         1.6<			_			01/30/06 21:10
Chloro-3-methylphenol         ND         390         3.1         µg/Kg-dry         1         01/30/06 21:10           I-Chloroaniline         ND         390         4.8         µg/Kg-dry         1         01/30/06 21:10           I-Chlorophenyl phenyl ether         ND         390         3.0         µg/Kg-dry         1         01/30/06 21:10           I-Chlorophenyl phenyl ether         ND         390         2.2         µg/Kg-dry         1         01/30/06 21:10           I-Methylphenol         ND         2000         6.5         µg/Kg-dry         1         01/30/06 21:10           I-Nitroaniline         ND         2000         16         µg/Kg-dry         1         01/30/06 21:10           I-Nitrophenol         ND         390         1.4         µg/Kg-dry         1         01/30/06 21:10           Accenaphthene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Accenaphthylene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Accenaphthylene         ND         390         1.6         µg/Kg-dry         1         01/30/06 21:10           Anthracene         ND         390         1.7	-Bromonhenvi ohenvi ether			2.7	µg/Kg-dry 1	01/30/06 21:10
Chloroaniline         ND         390         4.8         µg/Kg-dry         1         01/30/06 21:10           I-Chlorophenyl phenyl ether         ND         390         3.0         µg/Kg-dry         1         01/30/06 21:10           I-Methylphenol         ND         390         2.2         µg/Kg-dry         1         01/30/06 21:10           I-Methylphenol         ND         2000         6.5         µg/Kg-dry         1         01/30/06 21:10           I-Nitrophenol         ND         2000         16         µg/Kg-dry         1         01/30/06 21:10           I-Nitrophenol         ND         2000         16         µg/Kg-dry         1         01/30/06 21:10           Acenaphthene         ND         390         1.4         µg/Kg-dry         1         01/30/06 21:10           Acenaphthylene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Anthracene         ND         390         1.6         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]anthracene         71 J         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]pyrene         73 J         390         1.9         µg/Kg-	• •	ND	390	3.1		01/30/06 21:10
A-Chlorophenyl phenyl ether       ND       390       3.0       µg/Kg-dry       1       01/30/06 21:10         A-Methylphenol       ND       390       2.2       µg/Kg-dry       1       01/30/06 21:10         A-Methylphenol       ND       2000       6.5       µg/Kg-dry       1       01/30/06 21:10         A-Nitroaniline       ND       2000       16       µg/Kg-dry       1       01/30/06 21:10         A-Nitrophenol       ND       2000       16       µg/Kg-dry       1       01/30/06 21:10         A-cenaphthene       ND       390       1.4       µg/Kg-dry       1       01/30/06 21:10         Acenaphthylene       ND       390       1.7       µg/Kg-dry       1       01/30/06 21:10         Acenaphthylene       ND       390       1.7       µg/Kg-dry       1       01/30/06 21:10         Anthracene       ND       390       1.6       µg/Kg-dry       1       01/30/06 21:10         Benzo[a]anthracene       71 J       390       1.7       µg/Kg-dry       1       01/30/06 21:10         Benzo[b]fluoranthene       120 J       390       2.8       µg/Kg-dry       1       01/30/06 21:10         Benzo[c],h,I]perylene       ND						01/30/06 21:10
Hethylphenol         ND         390         2.2         µg/Kg-dry         1         01/30/06 21:10           Hethylphenol         ND         2000         6.5         µg/Kg-dry         1         01/30/06 21:10           Hethylphenol         ND         2000         16         µg/Kg-dry         1         01/30/06 21:10           Hethylphenol         ND         2000         16         µg/Kg-dry         1         01/30/06 21:10           Acenaphthene         ND         390         1.4         µg/Kg-dry         1         01/30/06 21:10           Acenaphthene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Acenaphthylene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Anthracene         ND         390         1.6         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]anthracene         71 J         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]pyrene         73 J         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]pyrene         ND         390         2.8         µg/Kg-dry <th< td=""><td></td><td></td><td></td><td></td><td></td><td>01/30/06 21:10</td></th<>						01/30/06 21:10
ND         2000         6.5         µg/Kg-dry         1         01/30/06 21:10           4-Nitrophenol         ND         2000         16         µg/Kg-dry         1         01/30/06 21:10           Acenaphthene         ND         390         1.4         µg/Kg-dry         1         01/30/06 21:10           Acenaphthene         ND         390         1.4         µg/Kg-dry         1         01/30/06 21:10           Acenaphthylene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Acenaphthylene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Anthracene         ND         390         4.8         µg/Kg-dry         1         01/30/06 21:10           Anthracene         ND         390         1.6         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]anthracene         71 J         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Benzo[b]filuoranthene         120 J         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Benzo[g,h,i]perylene         ND         390         2.8         µg/Kg-dry         1				2.2		01/30/06 21:10
ND         2000         16         µg/Kg-dry         1         01/30/06 21:10           Acenaphthene         ND         390         1.4         µg/Kg-dry         1         01/30/06 21:10           Acenaphthene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Acenaphthylene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Aniline         ND         390         4.8         µg/Kg-dry         1         01/30/06 21:10           Anthracene         ND         390         1.6         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]anthracene         71 J         390         1.6         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]pyrene         73 J         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Benzo[b]fluoranthene         120 J         390         2.8         µg/Kg-dry         1         01/30/06 21:10           Benzo[g,h,l]perylene         ND         390         2.0         µg/Kg-dry         1         01/30/06 21:10           Qualifiers:         B         Analyte detected in the associated Method Blank         E         Value		ND	2000	6.5	µg/Kg-dry 1	01/30/06 21:10
Acenaphthene         ND         390         1.4         µg/Kg-dry         1         01/30/06 21:10           Acenaphthylene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Acenaphthylene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Aniline         ND         390         4.8         µg/Kg-dry         1         01/30/06 21:10           Anthracene         ND         390         1.6         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]anthracene         71 J         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]pyrene         73 J         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]pyrene         73 J         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Benzo[g]pyrene         120 J         390         2.8         µg/Kg-dry         1         01/30/06 21:10           Benzo[g,h,i]perylene         ND         390         2.0         µg/Kg-dry         1         01/30/06 21:10           Qualifiers:         B         Analyte detected in the associated Method Blank		ND	C	16		01/30/06 21:10
Acenaphthylene         ND         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Aniline         ND         390         4.8         µg/Kg-dry         1         01/30/06 21:10           Anthracene         ND         390         1.6         µg/Kg-dry         1         01/30/06 21:10           Anthracene         ND         390         1.6         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]anthracene         71 J         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]pyrene         73 J         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]pyrene         73 J         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Benzo[g]pyrene         120 J         390         2.8         µg/Kg-dry         1         01/30/06 21:10           Benzo[g,h,1]perylene         ND         390         2.0         µg/Kg-dry         1         01/30/06 21:10           Qualifiers:         B         Analyte detected in the associated Method Blank         E         Value exceeds the instrument calibration range		ND		1.4	µg/Kg-dry 1	01/30/06 21:10
ND         390         4.8         µg/Kg-dry         1         01/30/06 21:10           Anthracene         ND         390         1.6         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]anthracene         71 J         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]pyrene         73 J         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Benzo[b]fluoranthene         120 J         390         2.8         µg/Kg-dry         1         01/30/06 21:10           Benzo[b]fluoranthene         120 J         390         2.8         µg/Kg-dry         1         01/30/06 21:10           Benzo[g,h,l]perylene         ND         390         2.8         µg/Kg-dry         1         01/30/06 21:10           Qualifiers:         B         Analyte detected in the associated Method Blank         E         Value exceeds the instrument calibration range			390	1.7		01/30/06 21:10
ND         390         1.6         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]anthracene         71 J         390         1.7         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]pyrene         73 J         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Benzo[a]pyrene         73 J         390         1.9         µg/Kg-dry         1         01/30/06 21:10           Benzo[b]fluoranthene         120 J         390         2.8         µg/Kg-dry         1         01/30/06 21:10           Benzo[g,h,I]perylene         ND         390         2.0         µg/Kg-dry         1         01/30/06 21:10           Qualifiers:         B         Analyte detected in the associated Method Blank         E         Value exceeds the instrument calibration range				4.8		01/30/06 21:10
Benzo[a]anthracene         71 J         390         1.7         µg/Kg-dry 1         01/30/06 21:10           Benzo[a]pyrene         73 J         390         1.9         µg/Kg-dry 1         01/30/06 21:10           Benzo[b]fluoranthene         120 J         390         2.8         µg/Kg-dry 1         01/30/06 21:10           Benzo[b]fluoranthene         120 J         390         2.8         µg/Kg-dry 1         01/30/06 21:10           Benzo[g,h,i]perylene         ND         390         2.0         µg/Kg-dry 1         01/30/06 21:10           Qualifiers:         B         Analyte detected in the associated Method Blank         E         Value exceeds the instrument calibration range		ND	390	1.6		01/30/06 21:10
Denzo[a]pyrene       73 J       390       1.9       µg/Kg-dry 1       01/30/06 21:10         Denzo[b]fluoranthene       120 J       390       2.8       µg/Kg-dry 1       01/30/06 21:10         Benzo[g,h,i]perylene       ND       390       2.0       µg/Kg-dry 1       01/30/06 21:10         Qualifiers:       B       Analyte detected in the associated Method Blank       E       Value exceeds the instrument calibration range						01/30/06 21:10
Benzo[b]fluoranthene       120 J       390       2.8       µg/Kg-dry 1       01/30/06 21:10         Benzo[g,h,i]perylene       ND       390       2.0       µg/Kg-dry 1       01/30/06 21:10         Qualifiers:       B       Analyte detected in the associated Method Blank       E       Value exceeds the instrument calibration range				1.9		01/30/06 21:10
Benzo[g,h,1]perylene     ND     390     2.0     µg/Kg-dry     1     01/30/06 21:10       Qualifiers:     B     Analyte detected in the associated Method Blank     E     Value exceeds the instrument calibration range		120 J	390	• 1	µg/Kg-dry 1	01/30/06 21:10
		ND	390			01/30/06 21:10
H Holding times for preparation or analysis exceeded J Analyte detected below the PQL	Oualifiers: B Analyte detected in th	e associated Meth	od Blank		•	ibration range
	Complete			J Analyte	detected below the PQL	

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East Syracuse, NY 1305	67 <b>(315) 4</b>	37-0200		Stat	eCertNo: 1	0155
CLIENT: O'Brien & Gere Engine Project: Geneva Foundry W Order: 0601060 Matrix: SOIL	ers, Inc.		Lab ID: Client Sam Collection Date Recei	ple ID: B) Date: 01	01060-003 H-32-D /12/06 10:30 /12/06 15:31	0
nst. ID: MS05 26	Sample Size: 3	10 a	PrepDate:	01/	/17/06 12:00	) A (
ColumnID: ZB-5	%Moisture: 1	-	BatchNo:		79/R4381	
Revision: 01/31/06 10:37:14 A		270S TAGML	FileID:	1 <b>-</b> I	RA-N3951.I	)
nalyte	Result Qual	PQL	MDL	Units	DF	Date Analyzed
EMIVOLATILE ORGANIC COMPO	UNDS BY GC/M	S SW	8270C	. (	SW3550B)	
enzo[k]fluoranthene	ND	390	2.5	, μg/Kg-dry		01/30/06 21:10
enzoic acld	ND	2000	120	µg/Kg-dry		01/30/06 21:10
enzyl alcohol	ND	390	4.3	μg/Kg-dry		01/30/06 21:10
s(2-Chloroethoxy)methane	ND	390	1.5	µg/Kg-dry		01/30/06 21:10
s(2-chloroethyl)ether	ND	390	2.2	µg/Kg-dry		01/30/06 21:10
s(2-chloroisopropyl)ether	ND	390	2.2	µg/Kg-dry		01/30/06 21:10
s(2-Ethylhexyl)phthalate	ND	390	13	µg/Kg-dry		01/30/06 21:10
utyl benzyl phthalate	ND	390	2.6	µg/Kg-dry	1	01/30/06 21:10
hrysene	79 J	390	1.8	µg/Kg-dry		01/30/06 21:10
-n-butyi phthalate	ND	390	3.2	µg/Kg-dry	1	01/30/06 21:10
-n-octyl phthalate	ND	390	1.8	µg/Kg-dry	1	01/30/06 21:10
ibenz[a,h]anthracene	ND	390	1.6	µg/Kg-dry	1	01/30/06 21:10
ibenzofuran	ND	390	1.7	⊨ µg/Kg-dry	1	01/30/06 21:10
iethyl phthalate	ND	390	2.8	µg/Kg-dry	1	01/30/06 21:10
imethyl phthalate	ND .	390	2.0	µg/Kg-dry	1	01/30/06 21:10
luoranthene	95 J	390	1.8	µg/Kg-dry	1	01/30/06 21:10
luorene	ND	390	1.9	µg/Kg-dry	1	01/30/06 21:10
exachlorobenzene	ND	390	3.1	µg/Kg-dry	1	01/30/06 21:10
exachlorobutadiene	ND	390	4.1	µg/Kg-dry	1	01/30/06 21:10
exachlorocyclopentadiene	ND	390	15	µg/Kg-dry	1	01/30/06 21:10
exachloroethane	ND .	390	4.2	µg/Kg-dry	1	01/30/06 21:10
deno[1,2,3-cd]pyrene	ND	390	1.6 💡	µg/Kg-dry	1	01/30/06 21:10
ophorone	ND	390	1.9	µg/Kg-dry	1	01/30/06 21:10
-Nitroso-di-n-propylamine	ND 1	390	3.3	µg/Kg-dry	1	01/30/06 21:10
-Nitrosodiphenylamine	ND	390	1.8	µg/Kg-dry		01/30/06 21:10
aphthalene	ND ND	390	1.2	µg/Kg-dry	1	01/30/06 21:10
itrobenzene	ND	390	2.3	µg/Kg-dry		01/30/06 21:10
entachlorophenoi	ND	2000	- 32	µg/Kg-dry		01/30/06 21:10
henanthrene	49 J	390	1.4	µg/Kg-dry		01/30/06 21:10
henol	<b>ND</b>	390	1.6	µg/Kg-dry		01/30/06 21:10
viene	90 J	390	1.9	µg/Kg-dry		01/30/06 21:10
Surr: 2,4,6-Tribromophenol	105	20-143	0	%REC	1	01/30/06 21:10
Surr. 2-Fluorobiphenyi	87.1	46-130	0	%REC	1	01/30/06 21:10
Surr: 2-Fluorophenoi	62.2	22-130	0	%REC	1	01/30/06 21:10
Surr: Nitrobenzene-d5	73.5	39-130	0	%REC	1	01/30/06 21:10

.

71.6

**Analytical Results** 

01/30/06 21:10

E	ast Syracuse, NY 130	57 (315) 437-02	00	StateCertNo: 10155					
CLIENT:	O'Brien & Gere Engine	ers, Inc.		Lab ID:		0601060		<b>b</b> . ,	
Project:	Geneva Foundry			Client Sam	ole ID:	BH-32-	D		
W Order:	0601060			Collection I	Date:	01/12/06	10:30		
Matrix:	SOIL			Date Receiv	ed:	01/12/06	15:35	•	
Inst. ID:	MS05 26	Sample Size: 30 g		PrepDate:		01/17/06	12:00 /	4	
ColumnID:	ZB-5	%Moisture: 15.1		BatchNo:		2379/R43	81		
Revision:	01/31/06 10:37:14 A	TestCode: 8270S	TAGML	FileID:		1-RA-N3	951.D		
Analyte		Result Qual PQL	<b>,</b> .	MDL	Units	DF	]	Date Analy	yzed
SEMIVOLAT	ILE ORGANIC COMPO	UNDS BY GC/MS	SWE	3270C		(SW35	50B)	· <u>·</u>	
Surr: Pheno		59.9 33-13	0	0	%REC	<u> </u>	. o	1/30/06 21:1	10

36-146

0

Qualifiers:

Surr: Terphenyl-d14

B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL)

Value exceeds the instrument calibration range E Analyte detected below the PQL

%RÉC

Prim/Conf. column %D or RPD exceeds limit P

J

East Syracuse, NY 130	)57 (315)	437-0200		Stat	eCertNo: 1	0155
CLIENT: O'Brien & Gere Engir Project: Geneva Foundry V Order: 0601060 Jatrix: SOIL	eers, Inc.		Lab ID: Client Sam Collection I Date Receiv	ple <b>D: B</b> Date: 01 ved: 01	/12/06 10:4: /12/06 15:3:	5
nst. ID: MS05 26	Sample Size:	: 30 g	PrepDate:		/17/06 12:00	A
ColumnID: ZB-5	%Moisture:		BatchNo:		79/ <b>R</b> 4377	
<b>Revision:</b> 01/31/06 10:15:49 A	TestCode:	8270S TAGML	FileID:	1-2	SAMP-N386	9.D
nalyte	Result Qu	al PQL	MDL	Units	DF	Date Analyzed
EMIVOLATILE ORGANIC COMP	OUNDS BY GC/	MS SW	8270C	(	SW3550B)	:
2,4-Trichlorobenzene	ND	390	3.1	µg/Kg-dry	1	01/25/06 10:15
2-Dichlorobenzene	ND	390	2.7	µg/Kg-dry	1	01/25/06 10:15
3-Dichlorobenzene	ND	390	1.8	`µg/Kg-dry	1	01/25/06 10:15
4-Dichlorobenzene	ND	390	2.2	µg/Kg-dry	1	01/25/06 10:15
4,5-Trichlorophenol	. ND	2000	38	µg/Kg-dry	1. S.A.	01/25/06 10:15
4,6-Trichlorophenol	ND	390	3.6	µg/Kg-dry	1	01/25/06 10:15
4-Dichlorophenol	ND	390	3.6	µg/Kg-dry	1	01/25/06 10:15
4-Dimethylphenol	ND	390	3.3	µg/Kg-dry	1	01/25/06 10:15
4-Dinitrophenol	ND	2000	71	µg/Kg-dry	1 .	01/25/06 10:15
4-Dinitrotoluene	ND	390	3.2	µg/Kg-dry		01/25/08 10:15
6-Dinitrotoluene	ND	390	3.7	µg/Kg-dry	1	01/25/06 10:15
Chloronaphthalene	ND	390	1.8	µg/Kg-dry	1	01/25/06 10:15
-Chlorophenol	ND	390	2.5	µg/Kg-dry	1	01/25/06 10:15
Methyinaphthalene	210 J	390	1.9	µg/Kg-dry		01/25/08 10:15
Methylphenol	ND	390	2.4	µg/Kg-dry		01/25/06 10:15
Nitroaniline	ND	2000	4.1	µg/Kg-dry		01/25/06 10:15
Nitrophenol	ND	390	4.4	µg/Kg-dry		01/25/06 10:15
3'-Dichlorobenzidine	ND	770	9.5	µg/Kg-dry		01/25/06 10:15
-Nitroaniline	ND	2000	13	µg/Kg-dry		01/25/06 10:15
,6-Dinitro-2-methylphenol	ND	2000	32	ug/Kg-dry		01/25/06 10:15
Bromophenyl phenyl ether	ND	390	2.7	µg/Kg-dry		01/25/06 10:15
Chioro-3-methylphenol	ND	390	3.1	µg/Kg-dry		01/25/06 10:15
-Chloroaniline	ND	390	4.7	μg/Kg-dry		01/25/06 10:15
-Chlorophenyi phenyi ether	ND	390	3.0	µg/Kg-dry		01/25/06 10:15
-Methylphenol	ND	390	2.2	µg/Kg-dry		01/25/06 10:15
-Nitroaniline	ND	2000	6.5	µg/Kg-dry		01/25/06 10:15
-Nitrophenol	ND .	2000	15	µg/Kg-dry		01/25/06 10:15
cenaphthene	420	390	1.4	µg/Kg-dry		01/25/06 10:15
cenaphthylene	170 J	390	1.7	µg/Kg-dry		01/25/06 10:15
niline	ND	390	4.8	µg/Kg-dry		01/25/06 10:15
nthracene	1100	390	1.6	µg/Kg-dry		01/25/06 10:15
enzo[a]anthracene	2800	390	1.7	µg/Kg-dr)		01/25/06 10:15
enzo[a]pyrene	2300	390	1.9	µg/Kg-drj		01/25/06 10:15
enzo[b]fluoranthene	3400	390	2.8	µg/Kg-dŋ		01/25/06 10:15
enzo[g,h,l]perylene	880	390	2.0	µg/Kg-dry		01/25/06 10:15
		- I Disale	D Uslaa	and the inst	niment cellbred	ion range
Qualifiers: B Analyte detected in t	ine associated Metho	NO HISTIK	E Value ex	ceeds ine inst	rument calibrat	nou ranke

East Syracuse, NY 130	57 (315)	437-0200			Stat	eCertNo: 1	.0155
CLIENT: O'Brien & Gere Engine roject: Geneva Foundry V Order: 0601060 fatrix: SOIL ast. ID: MS05 26 ColumnID: ZB-5	eers, Inc. Sample Size %Moisture:			Lab ID: Client Sa Collection Date Reco PrepDate BatchNo:	mple ID: <u>B</u> 1 Date: 01/ eived: 01/ ; 01/	<b>01060-004</b> F-33-S (12/06 10:4! (12/06 15:3! (17/06 12:00 79/R4377	5
Revision: 01/31/06 10:15:49 A	TestCode:	8270S TA	GML			AMP-N386	59.D
nalyte	Result Qu	al PQL		MDL	Units	DF	Date Analyze
EMIVOLATILE ORGANIC COMPO	DUNDS BY GC	MS	SW	8270C	(	SW3550B)	
enzo[k]fluoranthene	1200	390		2.5	µg/Kg-dry	1	01/25/06 10:15
enzoic acid	ND	2000		120	µg/Kg-dry	1	01/25/06 10:15
enzyl alcohol	ND	390		4.3	µg/Kg-dry	1	01/25/06 10:15
s(2-Chloroethoxy)methane	ND	390		1.5	µg/Kg-dry	1	01/25/06 10:15
s(2-chloroethyl)ether	· ND	390		2.2	µg/Kg-dry	1	01/25/06 10:15
s(2-chloroisopropyl)ether	ND	390		2.2	µg/Kg-dry	1	01/25/06 10:15
s(2-Ethylhexyl)phthalate	. 92 J	390		13	µg/Kg-dry	1	01/25/06 10:15
utyi benzyi phthalate	ND	390		2.5	µg/Kg-dry	1	01/25/06 10:15
rysene	2400	390		1.8	µg/Kg-dry		01/25/06 10:15
-n-butyl phthalate	. 59 J	390		3.2	µg/Kg-dry		01/25/06 10:15
-n-octyl phthalate	ND	390	·	1.8	µg/Kg-dry		01/25/06 10:15
benz[a,h]anthracene	330 J	390		1.6	µg/Kg-dry		01/25/06 10:15
benzofuran	300 J	390		1.7	µg/Kg-dry		01/25/06 10:15
ethyl phthalate	ND	390		2.8	µg/Kg-dry		01/25/06 10:15
methyl phthalate	ND	390		2.0	µg/Kg-dry		01/25/06 10:15
uoranthene	4400	390		1.8	µg/Kg-dry		01/25/06 10:15
uorene	440	390		1.9	µg/Kg-dry		01/25/06 10:15
exachlorobenzene	ND	390		3.1	µg/Kg-dry		01/25/06 10:15
exachlorobutadiene	ND	390		4.1	µg/Kg-dry		01/25/06 10:15
exachlorocyclopentadiene	ND	390		15	µg/Kg-dry		01/25/06 10:15
exachloroethane	ND	390	•	4.2	µg/Kg-dry		01/25/06 10:15
deno[1,2,3-cd]pyrene	470	390		1.6	μg/Kg-dry		01/25/06 10:15
ophorone	ND	390		1.9	µg/Kg-dry		01/25/06 10:15
-Nitroso-di-n-propylamine	ND	390		3.3	µg/Kg-dry		01/25/06 10:15
-Nitrosodiphenylamine	ND	390		1.8	µg/Kg-dry		01/25/06 10:15
aphthalene	310 J	390		1.2	µg/Kg-dry		01/25/06 10:15
itrobenzene	ND	390		2.3	µg/Kg-dry		01/25/06 10:15
entachlorophenol	ND.	2000		32	μg/Kg-dry		01/25/06 10:15
heinanthrene	2900	390	•	1.4	µg/Kg-dry		01/25/06 10:15
henol	ND	390		1.6	µg/Kg-dry	· .	01/25/06 10:15
vrene	5200	390		1.9	μg/Kg-dry		01/25/06 10:15
Surr: 2,4,6-Tribromophenol	83.9	20-143		0	%REC	1	01/25/06 10:15
Surr: 2-Fluorobiphenyl	74.0	46-130		0	%REC	1	01/25/06 10:15
Surr: 2-Fluorophenol	58.5	22-130		0	%REC	1	01/25/06 10:15
Surr: Nitrobenzene-d5	61 <i>.</i> 0	39-130		0	%REC	1	01/25/06 10:15
B Analyte detected in the	te associated Meth	od Blank		E Value	exceeds the instr	ument calibra	tion range
Qualifiers: B Analyte detected in u H Holding times for pre					te detected below		-
ND Not Detected at the P	Provide of acought			-	Conf. column %		

Analytical Results

E	ast Syracuse, NY 130	57 (315)	437-0200		S	tateCertNo	: 10155
CLIENT:	O'Brien & Gere Engine	eers, Inc.		Lab ID:	-	0601060-0	04B
Project:	Geneva Foundry			Client Sam	ple D:	BH-33-S	
W Order:	0601060			Collection	Date:	01/12/06 10	):45
Matrix:	SOIL	•		Date Recei	ved:	01/12/06 15	i:35
Inst. ID:	MS05 26	Sample Size:	30 g	<b>PrepDate:</b>		01/17/06 12	:00 A
ColumnID:	ZB-5	%Moisture:	0	BatchNo:		2379/R4377	1
<b>Revision:</b>	01/31/06 10:15:49 A	TestCode:	8270S TAC	ML FileID:		1-SAMP-N	3869.D
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLAT		UNDS BY GC/	VIS	SW8270C		(SW3550)	B)
Surr: Pheno	ol-d5	60.1	33-130	0	%REC	1	01/25/06 10:15
Surr: Terph	enyl-d14	93.8	36-146	0	%REC	3	01/25/06 10:15

Qualifiers:

- Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded.
- H Holding times for preparation or analysis exceeded.» ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim/Conf. column %D or RPD exceeds limit

В

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East Syracuse, N	Y 13057 (315	) 437-0200	·	StateCertNo:	10155
CLIENT: O'Brien & Gere Project: Geneva Foundr W Order: 0601060 Watrix: SOIL nst. ID: MS05 26	•	• 30 g	Lab ID: Client San Collection Date Recei PrepDate:	ived: 01/12/06 15:3	45 35
ColumnID: ZB-5 Revision: 01/31/06 10:37:	%Moisture:	_	BatchNo:		
Analyte	Result Qu	al PQL	MDL	Units DF	Date Analyzed
SEMIVOLATILE ORGANIC (	COMPOUNDS BY GC	/MS SV	/8270C	(SW3550B)	
,2,4-Trichlorobenzene	ND	390	3.1	µg/Kg-dry 1	01/31/06 1:33
,2-Dichlorobenzene	ND	390	2.7	µg/Kg-dry 1	01/31/06 1:33
,3-Dichlorobenzene	ND	390	1.8	µg/Kg-dry 1	01/31/06 1:33
,4-Dichlorobenzene	ND	390	2.2	µg/Kg-dry 1	01/31/06 1:33
4,5-Trichlorophenol	• ND	2000	38	µg/Kg-dry 1	01/31/06 1:33
4,6-Trichlorophenol	ND	390	3.6	µg/Kg-dry 1	01/31/06 1:33
,4-Dichlorophenol	ND	390	3.6	µg/Kg-dry 1	01/31/06 1:33
4-Dimethylphenol	ND	390	3.3	µg/Kg-dry 1	01/31/06 1:33
4-Dinitrophenol	ND	2000	71	µg/Kg-dry 1	01/31/06 1:33
,4-Dinitrotoluene	ND	390	3.2	µg/Kg-dry 1	01/31/06 1:33
,6-Dinitrotoluene	ND	390	3.7	µg/Kg-dry 1	01/31/06 1:33
-Chloronaphthalene	ND	390	1.8	µg/Kg-dry 1	01/31/06 1:33
-Chloropheno!	ND .	390	2.5	µg/Kg-dry 1	01/31/06 1:33
-Methylnaphthalene	180 J	390	1.9	µg/Kg-dry 1	01/31/06 1:33
-Methylphenol	ND	390	2.4	µg/Kg-dry 1	01/31/06 1:33
-Nitroanilin <del>e</del>	ND	2000	4.1	µg/Kg-dry 1	01/31/06 1:33
-Nitrophenol	ND	390	4.4	µg/Kg-dry 1	01/31/06 1:33
3'-Dichlorobenzidine	ND	770	9.5	µg/Kg-dry 1	01/31/06 1:33
-Nitroaniline	ND	2000	13	µg/Kg-dry 1	01/31/06 1:33
,6-Dinitro-2-methylphenol	, ND	2000	32	µg/Kg-dry 1	01/31/06 1:33
-Bromophenyl phenyl ether	ND <sub>.</sub>	390	2.7	µg/Kg-dry 1	01/31/06 1:33
-Chloro-3-methylphenol	ND	390	3.1	µg/Kg-dry 1	01/31/06 1:33
-Chloroaniline	ND	390	4.7	µg/Kg-dry 1	01/31/06 1:33
-Chlorophenyl phenyl ether	ND	390	3.0	µg/Kg-dry 1	01/31/06 1:33
-Methylphenol	ND	390	2.2	µg/Kg-dry 1	01/31/06 1:33
Nitroaniline	ND	2000	6.5	µg/Kg-dry 1	01/31/06 1:33
-Nitrophenol	ND	2000	15	µg/Kg-dry 1	01/31/06 1:33
cenaphthene	400	390	1.4	µg/Kg-dry 1	01/31/06 1:33
cenaphthylene	150 J	390	1.7	µg/Kg-dry 1	01/31/06 1:33
niline	ND	390	4.8	µg/Kg-dry 1	01/31/06 1:33
nthracene	1100	390	1.6	µg/Kg-dry 1	01/31/06 1:33
enzo[a]anthracene	2700	390	1.7	µg/Kg-dry 1	01/31/06 1:33
enzo[a]pyrene	2300	390	1.9	µg/Kg-dry 1 uo≪a day 1	01/31/06 1:33
enzo[b]fluoranthene	3200	390	2.8	µg/Kg-dry 1	01/31/06 1:33 01/31/06 1:33
lenzo[g,h,l]perylene	790	390	, 2.0	µg/Kg-dry 1	01/01/00 1:00
Qualifiers: B Analyte deter	cted in the associated Meth	od Blank	E Value e	xceeds the instrument calibration	ation range
		a arrandad	J Analyte	detected below the PQL	1
	s for preparation or analysi	sexceeded	-	onf. column %D or RPD ext	

East Syracuse, NY 13	057 (315	) 437-0200		State	CertNo:	10155
CLIENT: O'Brien & Gere Engin Project: Geneva Foundry V Order: 0601060 Matrix: SOIL nst. ID: MS05 26	neers, Inc. Sample Size	: 30 g	Lab ID: Client San Collection Date Rece PrepDate:	nple ID: <i>B1</i> Date: 01/ ived: 01/	<b>D1060-004</b> <b>Z-33-S</b> 12/06 10:4 12/06 15:3 17/06 12:0	5 5
ColumnID: ZB-5 Revision: 01/31/06 10:37:14 A	%Moisture: TestCode:	,— ,	BatchNo: FileID:		9/R4381 A-N3958.J	D
lałyte	Result Qu		MDL	Units	DF	Date Analyzed
EMIVOLATILE ORGANIC COMP	OUNDS BY GC	'MS SW	8270C	. (	SW3550B)	
enzo[k]fluoranthene	1200	390	2.5	µg/Kg-dry	-	01/31/06 1:33
enzoic acid	ND	2000	120	µg/Kg-dry		01/31/06 1:33
enzyi alcohol	ND	390	4.3	µg/Kg-dry		01/31/06 1:33
(2-Chloroethoxy)methane	ND	390	1.5	µg/Kg-dry		01/31/06 1:33
a(2-chlorcethy!)ether	ND	390	2.2	µg/Kg-dry		01/31/06 1:33
(2-chloroisopropyl)ether	ND	390	2.2	µg/Kg-dry		01/31/06 1:33
s(2-Ethylhexyl)phthalate	76 J	390	13	µg/Kg-dry		01/31/06 1:33
tyl benzyl phthalate	ND	390	2.5	µg/Kg-dry	1	01/31/06 1:33
rysene	2200	390	1.8	µg/Kg-dry	1	01/31/06 1:33
n-butyl phthalate	57 J	390	3.2	µg/Kg-dry	1	01/31/06 1:33
n-octyl phthalate	ND	390	1.8	µg/Kg-dry	1	01/31/06 1:33
enz[a,h]anthracene	290 J	390	1.6	µg/Kg-dry	1	01/31/06 1:33
penzofuran	270 J	390	1.7	µg/Kg-dry	1	01/31/06 1:33
ethyl phthalate	ND	390	2.8	µg/Kg-dry		01/31/06 1:33
nethyl phthalate	ND	390	2.0	µg/Kg-dry		01/31/06 1:33
Joranthene	5400	390	1.8	µg/Kg-dry		01/31/06 1:33
Jorene	440	390	1.9	µg/Kg-dry		01/31/06 1:33
xachlorobenzene	ND	390	3.1	µg/Kg-dry		01/31/06 1:33
xachlorobutadiene	ND	390	4.1	µg/Kg-dry		01/31/06 1:33
xachlorocyclopentadiene	ND	390	15	µg/Kg-dry		01/31/06 1:33
xachloroethane	ND	390	4.2	µg/Kg-dry		01/31/06 1:33
ieno[1,2,3-cd]pyrene	440	390	1.6	µg/Kg-dry		01/31/06 1:33
phorone	ND	390	1.9	µg/Kg-dry	1	01/31/06 1:33
Nitroso-di-n-propylamine	ND	390	3.3	µg/Kg-dry	1	01/31/06 1:33
Nitrosodiphenylamine	ND	390	1.8	µg/Kg-dry		01/31/06 1:33
phthalene	280 J	390	1.2	µg/Kg-dry		01/31/06 1:33
robenzene	ND	390	2.3	µg/Kg-dry		01/31/06 1:33
ntachlorophenol	ND	2000	32	µg/Kg-dry		01/31/06 1:33
enanthrene	3300	390	1.4	µg/Kg-dry		01/31/06 1:33
enol	ND	390	1.6	µg/Kg-dry		01/31/06 1:33
rene	5100	390	1.9	µg/Kg-dry		01/31/06 1:33
Surr: 2,4,6-Tribromophenol	90.3	20-143	0	%REC	1	01/31/06 1:33
Surr: 2-Fluorobiphenyl	83.3	46-130	0	%REC	1	01/31/06 1:33
Surr: 2-Fluorophenol	55.1	22-130	0	%REC	1	01/31/06 1:33
Sun: Nitrobenzene-d5	63.1	39-130	0	%REC	1	01/31/06 1:33
ualifiers: B Analyte detected in t	he associated Metho	od Blank	E Value e	xceeds the instru	ument calibrat	ion range
H Holding times for pr	enaration or analysis	exceeded	J Analyte	detected below	the POL	·

# Life Science Laboratories, Inc.

**Analytical Results** 

E	ast Syracuse, NY 130	57 (315)	) 437-0200	<u>`</u>	S	tateCertN	<b>D:</b> 10155
CLIENT:	O'Brien & Gere Engin	eers, Inc.		Lab ID:		0601060-	004B
Project:	Geneva Foundry			Client San	nple ID:	BH-33-S	
W Order:	0601060			Collection		01/12/06 1	
Matrix:	SOIL			Date Rece	ived:	01/12/06 1	5:35
Inst. ID:	MS05 26	Sample Size	: 30 g	<b>PrepDate</b> :	:	01/17/06 1:	2:00 A
ColumnID:	ZB-5	%Moisture:	14.6	BatchNo:		2379/R438	1 .
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAGN	1 FileD:	• .	1-RA-N39	58.D
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
SEMIVOLAI	ILE ORGANIC COMPO	DUNDS BY GC	MS	SW8270C		(SW3550	)Bì
Surr: Pheno	ol-d5	55.7	33-130	0	%REC		01/31/06 1:33
Surr: Terph	enyl-d14	82.8	36-146	0	%REC	: 1	01/31/06 1:33

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**Qualifiers:** 

Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL)

Value exceeds the instrument calibration range Ε

٠J Analyte detected below the PQL

S Spike Recovery outside accepted recovery limits

Prim /Conf. column %D or RPD exceeds limit · P

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Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200 (315) 437-0200 East Syracuse, NY 13057

ANALYTICAL QC SUMMARY REPORT

SW6010B 0601050 Method: Work Order:

<b>CLIENT:</b>	O'Brien & Gere Engineers, Inc.	Engineers, l	lac.		* • . •	• •		· · ·	Project:	set:	Geneva Foundro	Roundry	· · ·	
0						ы								
	sample ID: 0601050-001BMS	sampType. MS	WS		TestCode:	6010S	Units: mg/Kg-dry	g-dry	Prep Date:	1/19/2006	00	RunNo.	4703	
Client ID:	BH-37	Batch ID:	2421	÷	Method:	SW6010B	(SW3050B)	• •	Analysis Date:	· •	906	SeqNo:	125625	
		Columniu:			•		•			• .		· .		• .
Analyte			Result		POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val		%RPD RPDLimit	Onat
Aluminum	-	× *	3186		60	238.2	2176	424	g	140				
Antimony			33.08		92	47.64	1.778	65.7			•			n ·
Arsenic		•	58.48		3.0	47.64	6.117	110	<u>52</u>	120	•••		-	<b>נ</b>
Barium			85.39	••••	8	47.64	31.36	113	2 09	140	•.	. • . •		
Beryllium		· ·	47.66		6.0	47.64	0.1763	99.7	8	120	-	•		
Cadmium			48.04	-	6.0	47.64	1.128	98.5	15	120		• • • •	-	
Calcium	· .	¥ X	18080		600	2382	22860	0	09	140				ŭ
Chromium		•	268.4	•	6.0	47.64	94.83	364	69	124	•		•	0 0
Cobalt		•	58.94	•	30	47.64	6.335	110	15	120	•			0
Copper			261.7		· 6,0	47.64	94.94	350	78	123				Ū
lron	•	<b>4</b> X	116800	•	R	238.2	63110	22500	09	140				<u>ט</u> יס
Lead		X	308.1		3.0	47.64	198.7	230	8	140	•			ט כ
Magnesium	•	•	5572	. ·	600	2382	4725	35.6	99	140				<b>0</b> U
Manganese	•	X T	869.2	•	с С С	47.64	549.1	672	09	140	-			<b>0</b> U
Nickel		· · · ·	201.2	•	g	47.64	78.09	258	73	120				<i>י</i> כ
Potassium		•	2723	•	3000	2382	426.7	96.4	80	127	•			<b>- c</b>
Selenium			48.05		3.0	47.64	0	101	13	120	. ·		•	י <b>נ</b>
Silver	•	•	13.46		6.0	11.91	0	113	80	120	•			•
Sodium			2360		600	2382	51.03	6.96	74	120				
Thallium	·. ·		49.25	-	6.0	47.64	2.197	98.8	<b>1</b>	120				
Vanadium			61.02		8	47,64	7.567	112	8	120		- - -		
Zinc		•	208.2	• .	6.0	47.64	137.7	148	60	135	• .			U.
		•										•	•	) .

Holding times for preparation or analysis exceeded RPD exceeds accepted precision limit

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E Value exceeds the instrument calibration range ND Not Detected at the Practical Quantitation Limit (PQL)

Qualifiers:

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Spike Recovery outside accepted recovery limits

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Analyte detected below the PQL

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24-Jan-06

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5000 Brittonfield Parkway, Suite 200	<b>JULIALULICS, 11</b> Sulte 200	: د <b>د</b>				AN	ALYTI	ANALYTICAL QC SUMMARY REPORT	SUM	MAR	Y RE	PORT
East Syracuse, NY 13057	(315) 437-0200					Met	Method:	SW6010B	m	·. ·	· · · ·	
CLIENT: O'Brien & Gere Engineers, Inc.	Engineers, Inc.	· · · ·	· · · · · · · · · · · · · · · · · · ·			Work O Proiset:	Work Order: Proiod:	0601050 Gamma Pa	-			• .
Sample ID: 0604050-001RMSD	SemuTime, MCD	Test.						Conceva roundry	Aroun			
	Batch ID: 2421	Method:	SW6010E	Units: mg/K (SW3050B)	mg/Kg-dry 50B)	Prep Date: Analvsis Date:	1/19/2006 E: 1/23/2006		RunNo: SegNo:	4293	•	s - <u>s</u> .
Instrument:	ColumnID;			•			· •		- nesher	070071		
Analyte	Result	Por	SPK value S	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD		RPDLimit	Oual
Aluminum	4× 3222	<b>0</b> 9	238.2	2176	439	8	140	3186		1 4 4	Ę	
Antimony	31.98	90 90	47.64	1.778	63.4	8	120	33.08	- m	3.39	2 2	ס
Arsenic	57.31	3.0	47.64	6.117	107	75	120	58.48		2.03	2	<b>&gt;</b> .,
Darlur Door diverse	B6.44	8	47.64	31,36	116	60	140	85.39	<b>.</b>	1.22	20	
Cadmium	47.80	0.9	47.64	0.1763	9 -	8	120	47.66	o	0.29	3	
Calcium	· .	0.9	47 64	1.128	98.5	75	120	48.04	ō	0.01	20	
Chromiter	4X 18010	88	2382	22860	•	80	140	18080	ö	0.40	20	S
Cohoit	1707	0.9	47.64	94.83	351	69	124	268.4	6	2.40	50	S
	1.80	ខ្ល	47.64	6.335	110	. 75	120	58.94	0	0.38	20	
	254.1	0.9 9	47.64	94.94	334	78	123	261.7	2	2.94	50	Ś
	-	ន	238.2	63110	22300	<b>8</b>	140	116800	õ	0.60	27	S
Manasiim	C.182 Y T	3.0	47.64	198.7	195	09	140	308.1	2	5.54	20	S
esencone M		0 <u>0</u>	2382	4725	48.6	8	140	5572	2	5.41	20	ŝ
Nictal	4 × 882.1	8 S	47.64	549.1	669	8	140	869.2	-	1.48	20	ຸທ
Detaceium	209.0	8	47.64	78.09	275	R	120	201.2	e	3.79	20	ŝ
Salantim	2/14	0000	2382	426.7	96.0	08	127	2723	ö	0.35	20	<b>۔</b> ا
Silver	48.80	0 0	47.64	0	102	23	120	48.05	Ť	1.55	20	
Sodium	21.21	0.0	16.11		107	8	120	13.46	.°°	5,66	<b>50</b>	
Thallium	47.65	g a	2022	51.03	97.1 2-	74	120	2360	0	0.15	20	
Vanadium	F1 AD		40.04	761.2	95.4		120	49.25	ŝ	3.30	20	
Zinc	205.1	n n n	47.04 10	/06./	113	8	120	61.02	ð	0.62	. 20	
		0	47.04	7.7EL	141	09	135	208.2	-	1.48	20	ŝ
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		•					•••		·. · ·			•
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24-Jan-06

J Analyte detected below the PQL

S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded R RPD exceeds accepted precision limit

Value exceeds the instrument calibration range
 ND Not Detected at the Practical Quantitation Limit (PQL).

Qualifiers:

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Clipical & Gene Engineers, Inc.         Work Order: Project:           D. 050108-001B         SampType: PDS         TestCode; e010S         Units: mg/Kq-dry         Project:           D. 050108-001B         SampType: PDS         TestCode; e010S         Units: mg/Kq-dry         Prop Date::         11/43/2006           Result         PQL         SYM allosis         SW010B         SM10         Project:         12/3/2005           Result         PQL         SYM allosis         SW10         Units: mg/Kq-dry         Project:         12/3/2006           Result         PQL         SYM allosis         SYM 360B)         Ambrist: Date:         12/3/2006           Result         PQL         SYM allosis         SYM 360B)         SYM 360B         75         125           2231         5.0         11910         2288.2         6.17         75         125           23070         5.00         11910         2288.2         6.13         75         125           231         232         233.2         1381         75         125         125           2321         232         238.2         11910         275         75         125           2321         2328         6.130         2661         75<	East Syrac	East Syracuse, NY 13057 (315	(315) 4	(315) 437-0200	• •				Met	Method	SW6010B	μ		
T.T. OBlant & Greez Engineers, Inc.         Project.         Concore Poundry Control 60 (16)         Prov Date:         Treat/2006         Relativity         Evolution         Standbyte         Prov Date:         Treat/2006         Relativity         Evolution         Standbyte         Prov Date:         Treat/2006         Relativity         Evolution         Standbyte         Prov Date:         Treat/2006         Rule in the interval in the interval in the interval nterical (Nambatina intring)         Pro					•.				Wor	k Order:	0601050	9		•
D. De01064-0018         SameTyres POS Baskill:         Testicode:         60163         Units:         mp/Gadry (Na30605)         Free Date:         11/322005         Runw::         4233           I. T. T. Colmil:         2417         Kehror.         SWR30605)         (SWR30605)         Analysis Date:         11/322005         Ren/or:         456           Result         POL         SPK value         SPK Ker Val         (SWR30605)         Analysis Date:         11/322005         SeqNo:         125           Result         FOL         SPK value         SPK Ker Val         (SWR30605)         75         125         SeqNo:         126           2011         2212         50         1191         2176         947         75         125         SeqNo:         126           2022         50         233.2         0.11781         2176         941         75         125         125           2037         500         1291         2176         961         75         125         125         125         125         125         125         125         125         125         125         125         125         125         125         125         125         125         125         125 <t< th=""><th>CLIENT:</th><th>O'Brien &amp; Gen</th><th>e Engineers, l</th><th>nc.</th><th></th><th></th><th></th><th></th><th>Proj</th><th>ect:</th><th>Geneva F</th><th>oundry</th><th></th><th></th></t<>	CLIENT:	O'Brien & Gen	e Engineers, l	nc.					Proj	ect:	Geneva F	oundry		
Lut         Calmand, Calmand, Readit         Poll         Symbols         (Markid)				PDS PDS	TestCode	1	Units: mg/Kg		Prep Date:	ll.	11 .	RunNo:	4293	
Readil         POL         SPK Naulus	42		1 × 1	Ţ		•	(SW 3050B)	•	Analysis Da	1.1	• •	SeqNo:	125627	* . • .
2212       50       1191       2176       67.0       75       125         227.3       30       238.2       6117       96.6       75       125         280.2       5.5       238.2       6117       96.6       75       125         280.2       5.0       238.2       6117       96.4       75       125         280.1       5.0       238.2       1128       94.9       75       125         280.1       5.0       238.2       6178       75       125         280.1       5.0       238.2       6139       96.1       75       125         280.1       5.0       238.2       6131       0       7       125       125         280.1       5.0       238.2       63.9       96.1       75       125       125         280.1       5.0       238.2       64.9       75       125       125       125         280.1       5.0       238.2       64.9       75       125       125       125         281.1       5.0       238.2       64.9       75       125       125       125         282.1       238.2       58.9       64.9<	Anatyte			Result	PQL		SPK Ref Val	%REC	LowLimit		RPD Ref Val	28 28	•	
ZZ7.3       30       238.2       1.778       94.7       75       12.         Z26.2       2.5       238.2       1.1753       95.6       75       12.         Z27.1       5.0       238.2       1.1753       97.3       75       12.         Z27.1       5.0       238.2       1.1753       97.3       75       12.         Z27.1       5.0       238.2       1.1763       97.5       75       12.         Z27.1       5.0       238.2       9.43       97.5       75       12.         Z235.1       5.0       238.2       9.43       96.7       75       12.         Z235.1       5.0       238.2       9.43       98.7       75       12.         Z30.1       5.0       238.2       9.43       98.7       75       12.         Z30.1       5.0       238.2       148.7       91.2       75       12.         R       73.4       25       238.2       76.91       91.2       75       12.         R       73.4       25       238.2       76.91       91.2       75       12.         Z31.0       232.5       238.2       75.67       91.6	Aluminum			3212	50	1191	2176	87.0	75					
Z86.2       2.5       238.2       6.117       96.6       75       12         236.1       5.0       238.2       0.176       97.9       75       12         237.1       5.0       238.2       0.176       97.9       75       12         237.2       5.0       11910       22860       66.4       75       12         237.2       5.0       238.2       94.33       97.5       75       12         236.1       5.0       238.2       94.34       98.7       75       12         236.1       5.0       238.2       94.34       98.7       75       12         236.1       5.0       238.2       94.34       98.7       75       12         300.1       5.0       238.2       13910       475       98.7       75       12         415.9       5.0       238.2       78.09       96.1       75       12       12         20.3       5.0       238.2       78.09       96.1       75       12       12         1210       255       50       11910       475       92.8       75       12         20.3       238.2       78.09	Antimony			227.3	30	238.2	1.778	94.7	22	125				•
230.2       50       233.2       31.36       96.1       75       12.         27.1       5.0       238.2       0.1763       97.5       75       12.         27.1       5.0       238.2       0.1763       97.5       75       12.         27.1       5.0       238.2       94.83       97.5       75       12.         27.2       5.0       238.2       94.83       97.5       75       12.         230.1       5.0       238.2       6.335       96.1       75       12.         230.1       5.0       238.2       5.9       1381.0       0       75       12.         230.1       5.0       238.2       1381.0       0       75       12.       12.         7       415.9       2.5       238.2       198.1       91.2       75       12.         7       1415.0       2.5       238.2       78.09       96.9       75       12.         7       177       28.1       11910       4.755       92.8       75       12.         28.75       5.0       238.2       7.67       10.0       75       12.       12.         28.75 <t< td=""><td>Arsenic. Barium</td><td>•</td><td></td><td>236.2</td><td>2.5</td><td>238.2</td><td>6.117</td><td>96.6</td><td>75</td><td>125</td><td></td><td>æ</td><td></td><td></td></t<>	Arsenic. Barium	•		236.2	2.5	238.2	6.117	96.6	75	125		æ		
Z27.1       5.0       238.2       0.1763       97.9       75       12         227.1       5.0       238.2       1.128       94.9       75       12         226.1       5.0       238.2       94.83       97.5       75       12         236.1       25       5.0       238.2       94.94       96.7       75       12         236.1       5.0       238.2       94.94       96.7       75       12         236.1       5.0       238.2       94.94       96.7       75       12         236.1       5.0       238.2       549.1       91.2       75       12         30.1       5.0       238.2       549.1       91.2       75       12         73.4       25       238.2       549.1       91.2       75       12         73.4       25       238.2       76.0       96.5       75       12       12         73.4       25       238.2       76.0       96.5       75       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12	Denvicium			260.2	20	238.2	31.36	96.1	52	125	, ,			
M       238.2       1.128       94.9       75       12         30770       5.00       11910       22860       65.4       75       12         30770       5.00       11910       22860       65.4       75       12         300.1       5.0       238.2       94.94       98.7       75       12         300.1       5.0       238.2       6.335       96.1       75       12         300.1       5.0       238.2       6.336       96.1       75       12         415.9       5.0       238.2       549.1       81.5       75       12         415.9       5.0       11910       4725       92.8       75       12         17170       2500       11910       425.7       96.3       75       12         230.3       25.5       238.2       7.8.00       96.7       75       12         231.2       238.2       5.0       11910       42.5       95.6       75       12         231.2       238.2       2.38.2       7.60       11910       75       12       12         232.5       238.2       2.38.2       2.103       10.2       75 </td <td>Cadmium</td> <td>- - -</td> <td></td> <td>233.4</td> <td>5.0</td> <td>238.2</td> <td>0.1763</td> <td>6.79</td> <td>75</td> <td>125</td> <td></td> <td></td> <td></td> <td>•</td>	Cadmium	- - -		233.4	5.0	238.2	0.1763	6.79	75	125				•
Tot       307.0       5.0       71910       22860       66.4       75       122         236.1       5.0       238.2       94.94       98.7       75       122         236.1       5.0       238.2       94.94       98.7       75       122         80700       25       1191       65110       0       75       122         80       155       5.0       238.2       94.94       98.7       75       122         80       155       5.0       238.2       199.7       51       122       123       123       123       123       123       126       126       126       126       126       126       126       126       126       126       126       126       126       126	Calchum	•		1.722	5.0 200	238.2	1.128	94.9	75	125				
57.12       5.0       238.2       94.83       97.5       75       122         7       235.1       2.5       238.2       6.335       96.1       75       122         7       415.9       2.5       238.2       6.335       96.1       75       122         8       415.9       2.5       238.2       6.336       96.1       75       122         8       15780       500       11910       4725       92.8       75       122         73.4       25       238.2       5.49.1       81.6       75       122         743.4       25       238.2       78.0       96.3       75       122         73.9       12170       2500       11910       4.755       92.8       75       122         203.3       25.5       5.0       238.2       7.67       103       75       122         203.1       251.5       5.0       11910       4.103       75       122       122         227.3       5.0       238.2       7.67       103       102       75       123         227.3       5.0       238.2       7.67       103       76       75       1	Chromium	• • •		30770	500	11910	22860	66.4	. 75	125	· .		•	S
m       238.2       6.335       96.1       75       122         m       415.9       2.5       238.2       94.94       98.7       75       122         m       15780       5.00       1911       5.11       0       0       75       122         m       15780       5.00       1910       4725       238.2       64.9.1       81.6       75       122         m       15780       5.00       11910       4.25       238.2       549.1       81.6       75       122         n       12170       2560       11910       4.25.7       98.6       75       122         230.3       25.6       5.38.2       76.09       96.7       75       122         12170       2500       11910       4.25.7       98.6       75       122         28.75       5.0       238.2       7.67       103       75       123         252.8       253.2       7.67       103       75       125         252.8       253.2       7.67       103       75       125         252.8       253.2       7.67       103       75       125         252.8 <t< td=""><td>Cobalt</td><td></td><td></td><td>221.4</td><td>ם, ו ני</td><td>238.2</td><td>94.83</td><td>97.5</td><td>. 75</td><td>125</td><td>•</td><td></td><td></td><td></td></t<>	Cobalt			221.4	ם, ו ני	238.2	94.83	97.5	. 75	125	•			
The exceeds the instrument cilibration range       50       238.2       139.1       638.7       75       122         The exceeds the instrument cilibration range       15780       500       25       238.2       549.1       81.6       75       122         Total       15780       500       11910       4725       92.8       75       122         73.4       25       238.2       78.09       96.9       75       122         208.9       25       238.2       78.09       96.9       75       122         2170       2500       11910       426.7       98.6       75       122         230.3       2.5       238.2       78.09       96.9       75       122         230.3       2.5       2.38.2       1310       426.7       98.6       75       122         221.10       500       11910       41.03       102       75       126       126         222.13       5.0       238.2       131/1       90.2       75       126       126         222.13       5.0       238.2       137/1       90.2       75       126       126         222.2       238.2       137/1	Copper	•	•	230.1	8 c	238.2	6.335	96.1	. 75	125	•		•	-
m       5310       0       75       12         m       15780       500       11910       4725       912       75       12         r       743.4       25       238.2       198.7       912       75       12         r       15780       500       500       11910       4725       912       75       12         743.4       25       238.2       78.01       96.3       75       12         308.9       25       238.2       78.09       96.3       75       12         230.3       25.5       238.2       78.07       98.6       75       12         28.75       5.0       50.0       11910       45.0       75       12         227.3       5.0       59.52       238.2       137.7       94.5       75       12         272.3       5.0       238.2       137.7       90.2       75       125         252.8       5.0       238.2       137.7       90.2       75       125         352.6       5.0       238.2       137.7       90.2       75       125         8       Value exceedst the instrument critithantion range       1	Lon			60700		238.2	94.94	98.7	. 15	125	÷			
m       15780       500       11910       4725       91.2       75       122         n       73.4       25       238.2       549.1       81.6       75       122         n       12170       2500       11910       426.7       96.9       75       122         1       12170       2500       11910       426.7       96.9       75       125         230.3       2.5.5       538.2       78.03       96.9       75       125       125         230.3       2.5.5       538.2       0       98.6       75       126       126         230.3       2.5.5       58.5       5.0       11910       51.03       102       75       126         227.3       5.0       238.2       7.67       103       102       75       126         2227.3       5.0       238.2       7.567       103       75       126       126         222.3       5.0       238.2       7.567       103       75       126       126         232.5       5.32.6       137.7       90.2       75       126       126         ND beteceds the instrument epilibration range       H <td< td=""><td>-ead</td><td></td><td></td><td>415.0</td><td>с 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td></td><td>63110</td><td>0</td><td>22</td><td>125</td><td>•</td><td>•• •</td><td></td><td>ເ</td></td<>	-ead			415.0	с 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		63110	0	22	125	•	•• •		ເ
E       73.4       25       238.2       549.1       81.6       75       122         12170       250.0       11910       426.7       98.6       75       122         12170       250.0       11910       426.7       98.6       75       122         12170       250.0       11910       426.7       98.6       75       122         12210       250.0       11910       426.7       98.6       75       122         12210       250.3       2.5.5       238.2       0       98.7       75       122         227.3       5.0       1910       51.03       102       75       122       122         227.3       5.0       238.2       2.197       94.5       75       122       122         252.8       255       5.0       238.2       137.7       90.2       75       123         252.8       256       5.0       238.2       137.7       90.2       75       123         352.6       5.0       238.2       137.7       90.2       75       123       123         NO Not Detected at the Fraction runge.       H       Holding times for preparation or analysis ecccceded       1 <td>Magnesium</td> <td></td> <td></td> <td>15790</td> <td></td> <td>2.062</td> <td>198.7</td> <td>91.2</td> <td>. 75</td> <td>125</td> <td></td> <td>-</td> <td></td> <td></td>	Magnesium			15790		2.062	198.7	91.2	. 75	125		-		
E       Value ecceeds the instrument calibration range       5.0       238.2       78.0       115       75       125         230.3       2.5       238.2       78.09       96.9       75       125         230.3       2.5       238.2       78.09       96.9       75       125         230.3       2.5       238.2       0       96.7       75       125         230.3       2.5       5.0       51910       426.7       75       125         12210       500       11910       51.03       102       75       125         227.3       5.0       238.2       2.197       94.5       75       125         252.8       2.5       2.38.2       137.7       90.2       75       125         252.8       5.0       238.2       137.7       90.2       75       125         352.6       5.0       238.2       137.7       90.2       75       126         Not Detected at the Fination range       H       Holding times for proparation or analysis exceeded       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	Manganese		  	742 4	200		4/25	92.8	. 75	125			• • •	
E       Value exceeds the instrument calibration range       F       102       75       125         ND       Not Detected at the Practical Quantitation Limit (PQL)       RPD exceeded precision limit       913.7       75       125         R       Value exceeded the instrument calibration Limit (PQL)       RPD exceeded secreted precision limit       913.7       913.7       75       125         R       Value exceeds the instrument calibration Limit (PQL)       R       103       75       125         R       Value exceeds the instrument calibration Limit (PQL)       R       RPD exceeds accepted precision limit       913.7       90.2       75       125	Vickel			308 G	2 K	2.00.2 C 00.C	- 260	0.16 0.6	15	125	•		1	· : · ·
E       Value exceeds the instrument calibration range       5.0       236.3       2.5.5       238.2       0       96.7       75       122         12210       5.0       1910       51.03       102       75       122       122         227.3       5.0       500       11910       51.03       102       75       125         227.3       5.0       238.2       2.197       94.5       75       125         252.8       25.0       238.2       7.567       103       75       125         255.2       238.2       137.7       90.2       75       125         352.6       5.0       238.2       137.7       90.2       75       125         8       Value exceeds the instrument calibration range       H       Holding times for preparation or analysis exceeded       7       75       125         8       No t Detected at the Practical Quantitation Limit (PQL)       R. RPD exceeded acceded       7       75       75       75       75       75         8       Not Detected at the Practical Quantitation Limit (PQL)       R. RPD exceeded acceded acceded at the restored at the Practical Quantitation Limit (PQL)       R. RPD exceeded acceded acceded at the restored at the Practision RPD exceeded acceded acceded acceded at the restore	otassium	. ,		12170	2500	11910	10.03 176 7	5 C C	5	125	•		• •	
E       Value exceeds the instrument calibration range       5.0       5.0       5.0       5.0       5.0       9.0.1       75       125         12210       5.0       5.0       5.0       51.0.3       102       75       125         227.3       5.0       5.0       238.2       2.197       94.5       75       125         252.8       25       238.2       7.567       103       75       125         252.8       25       238.2       7.567       103       75       125         352.6       5.0       238.2       137.7       90.2       75       125         No to Detected at the instrument calibration range       H       Holding times for preparation or analysis exceeded       7       125	šelenium			230.3	25	238.2		0 1 0 0 0 0	21	<b>GZ</b> L -	:	-		
12210       500       11910       51.03       102       75       125         227.3       5.0       238.2       2.197       94.5       75       125         252.8       25       5.0       238.2       7.567       103       75       125         352.6       5.0       238.2       137.7       90.2       75       125         352.6       5.0       238.2       137.7       90.2       75       125         352.6       5.0       238.2       137.7       90.2       75       125         8       Value excoeds the instrument calibration range       H       Holding times for preparation or analysis exceeded       J         ND       Not Detected at the Practical Quantitation Limit (PQL)       R. RPD ecceeds accepted precision timit       S	Silver			58.75	2.0	59.55		20.7 08 7	0 4	125	-	•		
277.3       5.0       238.2       2.197       94.5       75       125         252.6       5.0       238.2       7.567       103       75       125         352.6       5.0       238.2       137.7       90.2       75       125         8       5       5.0       238.2       137.7       90.2       75       125         8       7       5.0       238.2       137.7       90.2       75       125         8       7       8       5.0       238.2       137.7       90.2       75       125         8       9       9       8       7       137.7       90.2       75       125         8       Value exceeds the instrument calibration range       H       Holding times for preparation or analysis exceeded       7         ND       Not Detected at the Practical Quantitation Limit (PQL)       R. RPD exceeds accepted precision limit       7	sodium			12210	500	11910	51.03	1	5 K	<u>v</u>		• •	•	• .
252.8     25     238.2     7.567     103     75     125       352.6     5.0     238.2     137.7     90.2     75     125       125     238.2     137.7     90.2     75     125       126     5.0     238.2     137.7     90.2     75     125       128     8     9     238.2     137.7     90.2     75     125       128     9     137.7     90.2     75     125     125       128     9     137.7     90.2     75     125       129     137.7     90.2     75     125       128     137.7     90.2     75     125       129     137.7     90.2     75     125       129     10.1     10.1     10.1     10.2       129     128     137.7     90.2     125       129     128     128     128     128       130     128     128     128       140     11     10.1     11.1       150     128     128     128       150     128     128     128       150     128     128     128       150     128     129     128	hallium	· · ·		227.3	5.0	238.2	2.197	94.5	2 2	1 2 1 2 1 2			•	
352.6     5.0     238.2     137.7     90.2     75     125       Solution of the second	/anadium	•		252.8	<b>5</b> 5	238.2	7.567	103	22	125			•	•
E       Value exceeds the instrument calibration range       H       Holding times for preparation or analysis exceeded       J         ND       Not Detected at the Practical Quantitation Limit (PQL)       R       RPD exceeds accepted precision limit       J			•	352.6	0.0	238.2	137.7	. 90.2	75	125	-	•		
E     Value exceeds the instrument calibration range     H     Holding times for preparation or analysis exceeded     J       ND     Not Detected at the Practical Quantitation Limit (PQL)     R     RPD exceeds accepted precision timit     S				•				, , ,		•				
E       Value exceeds the instrument calibration range       H       Holding times for preparation or analysis exceeded       J         ND       Not Detected at the Practical Quantitation Limit (PQL)       R       RPD exceeds accepted precision limit       J	•					<sup></sup>					•			•
<ul> <li>E Value exceeds the instrument calibration range</li> <li>H Holding times for preparation or analysis exceeded</li> <li>ND Not Detected at the Practical Quantitation Limit (PQL)</li> <li>R RPD exceeds accepted precision limit</li> <li>S</li> </ul>						•	•		· · ·	•		<b>.</b>		
<ul> <li>E Value exceeds the instrument calibration range</li> <li>H Holding times for preparation or analysis exceeded</li> <li>ND Not Detected at the Practical Quantitation Limit (PQL)</li> <li>R. RPD exceeds accepted precision limit</li> </ul>	:						· · . ·			•		•		
EValue exceeds the instrument calibration rangeHHolding times for preparation or analysis exceededJNDNot Detected at the Practical Quantitation Limit (PQL)RRPD exceeds accepted precision limitS									•					
<ul> <li>E Value exceeds the instrument calibration range</li> <li>H Holding times for preparation or analysis exceeded</li> <li>NO</li> <li>Not Detected at the Practical Quantitation Limit (PQL)</li> <li>R RPD exceeds accepted precision limit</li> </ul>	-												• .	
ND Not Detected at the Practical Quantitation Limit (PQL) R. RPD exceeds accepted precision limit Science S	Dualifiers:		the instrument of								-			
		. •	s une misu unitent ( at the Practical O	anoration ran Uantitation Li	ge mit (POL)	H Holding	times for preparation	or analysis	exceeded		alyte detected b	clow the PQI		
		34 Icm OK					sinal midanne ma		•		ke Recovery ou	Itside accepte	d recovery lin	uits .

CLALENT: UDITER & Cerre Engineers, Inc. Sample ID: 0601049-002BMS SampType: MS Client ID: BH-20-D Batch ID: 242 Instrument: ColumnID: 242 Analyte ColumnID: 242 Analyte ColumnID: 242 Analyte ColumnID: 242 Analyte ColumnID: 242 Analyte ColumnID: 242 Area Analyte ColumnID: 242 Area Area Analyte ColumnID: 242 Area Area Analyte ColumnID: 242 Area Area Area Area Area Area Area Area	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	e: 6010S SW6010B SPK value 230.4 46.08 46.08 46.08 46.08 46.08 230.4 230.4	Units: mg/Kg-dry (SW3050B) (SW3050B) 8221 8221 8221 8221 8221 63.48 63.48 63.48 63.48 63.48 63.48 0.6013 12.2 5.04 12.2 5.04 13.18	4 8 8 9 4 9 9 9 4 9 9 9 9 9 9 9 9 9 9 9		8000 2000	SeqNo	4293 125577 %RPD RPDLimit	wit Qual	IL
C: BH-20-D ent: BH-20-D M M M M M M M M M M M M M M M M M M M	suit 10 88 3 10 88 3	e: 6010S SW6010B SPK value 230.4 46.08 46.08 46.08 46.08 46.08 46.08 230.4 230.4	<b>6</b> <b>6</b> <b>6</b>	R 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Jate: 1/1/1 iis Date: 1/12 iis Date: 1/12 60 60 75 75 75 60 75 75 75 75 75 80 75 80 75 80 75 80 75 80 75 80 75 80 75 80 75 80 75 80 71 80 80 71 80 80 80 71 80 80 80 71 80 80 80 80 80 80 80 80 80 80 80 80 80	19/2006 19/2006 1011 140 120 120 120 120 120 120 120 120 120 12	RunNo. SeqNo.	10110 1		F
Column ent: Column M M M M M M M M M M M M M M M M M M M	2422 Result Result 29.14 50.12 45.67 45.67 45.67 43.23 48.73 63.98 63.98 63.98 63.98 63.98 63.28	SW6010B SPK value 230.4 46.08 46.08 46.08 46.08 46.08 46.08 46.08 230.4 230.4	â		is Date: 1/2 Limit HighLir 60 1 75 75 75 75 75 75 75 75 75 75	23/2006 imit RPD R 120 120 120 120 120 120 120 120 124 120 124	SeqNo	10 ł .		· · · · · · · · · · · · · · · · · · ·
	Result 8095 29.14 50.12 101.8 43.23 43.23 43.23 41910 57.63 48.73 63.98 63.98 63.98 71.69	SPK value 230.4 46.08 46.08 46.08 46.08 46.08 2304 46.08 2304				Imit Init 140 120 120 120 120 120 120 120 120 120 12		f		
	Result 8095 29.14 50.12 101.8 45.67 41910 57,63 41910 57,63 48.73 63.98 63.98 63.98 71.69	SPK value 230.4 46.08 46.08 46.08 46.08 46.08 46.08 46.08 230.4 230.4				imit 140 120 120 120 120 120 120 120 120 120 12				
	8095 29.14 50.12 45.67 43.23 41910 57.63 41910 57.63 48.73 63.98 63.98 63.98 71.69		8221 0.9147 6.388 63.48 63.48 0.6013 0.02995 40050 12.2 5.04 18.18 41600	61.0 94.9 92.2 94.8 94.8 0.5 94.8 0.5 94.8		140 120 120 120 120 120 120 120			Ś	· · · · · · · · · · · · · · · · · · ·
≥ FEE	29.14 50.12 101.8 45.67 45.67 43.23 43.23 48.73 63.98 63.98 63.98 63.98 71.69		0.9147 6.388 63.48 0.6013 40050 12.2 5.04 18.18 41600	61.3 94.9 97.8 97.8 94.8 94.8 94.8 0,0 10		120 120 120 120 120 120 120 120 120 120			<b>)</b>	•
	50.12 101.8 45.67 43.23 41910 57,63 48.73 63.98 63.98 63.98 63.98 71.69		6.388 63.48 0.6013 0.02995 40050 12.2 5.04 18.18 41600	94.9 83.2 97.8 94.8 94.8 0.10 8.5 0.0 8.5 0.0 8.5 0.0		120 120 120 120 120 120 120 120 120 120				
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	63.98 32710 71.69 (		18.18 41600	P 00		123				
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nesium ganese		46.08	27.81	95.2	60	140	-		) )	
ganese 👍	8753 120	2304	8220	23.1	•	140		• • •	U	
	年× 1024 5.8	46.08	1227	.0	60 12	140	•		) (	
Nickel	. •	46.08	12.3	96.4	73 1:	120			).:	
Potassium	•	2304	1254	113	80	127	•.			
Selenium	43.19 0.58	46.08	1.523	90.4	73 1:	120			-	•
Silver	11.88	11.52	0.1129	102	80	120			•	
Sodium			390.1	104	74 1	120				
Thalitum			1 452	90.1	77 11	120		•	•••	
Vanadium	67.97 5.8	•	22.99	97.6	80	120	• .	•		
Zinc	80.75 1.2	46.08	35.2	98.8	60 13	135	•	· ···	• •	
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Cuantivers: Do value exceeds inc instrument canonation range ND Not Detected at the Practical Quantitation Limi	value exceeds like instrument canonation range Not Detected at the Practical Quantitation Limit (PQL)	I ~	Holding times for preparation or analysis exceeded RPD exceeds accepted precision limit	r analysis excee 1 limit	ded s		Analyte detected below the PQL Snike Recovery initials screened recovery limits	QL Med recovery the		
e: 24- <i>lan-0</i> 6				•				in tructure print	210	

CLIENT: O'Brien & Gere Engineers, Inc. Sample ID: 0601049-002BMSD SampType: MS Client ID: BH-20-D Batch ID: 24, Instrument: ColumnID: Aa Analyte Re Analyte Aluminum $44 \times e$ Anatimony 23	Engineers, Inc. SampType: MSD					Met	Method: Work Order:	SW6010B 0601049	B C	-	•		
	SampType: MSD Britch ID: 2122					Project:	ect:	Geneva Foundry	Foundry				
yte Nony nic		TestCode: Method:	: 6010S SW6010B	Units: mg/Kg-dry (SW3050B)		Prep Date: Analysis Date:	1/19/2006 ite: 1/23/2006		RunNo: SeqNo:		4293 125578		II
linum Hony nic	ColumniD: Result	POL	SPK value S	SPK Ref Vat	%REC	LowLimit	HighLimit	RPD Ref Val		CRPD	RPDI imit	Č	
лопу nic	4× 8305	12	230.4	8221	36.7	9	140	000					<b>-</b> 1
nic	28.91	6.9	46.08	0.9147	60.8	803	<u>3</u>	29.14	0 4	2.50 0.80		ທ 	• .
	50.01	0.58	46.08	6.388	94.7	75	120	50.12	2	0.22	2		
Barum	103.6	4	46.08	63.48	87.0	8	140	101.8		1.69	20	-	
berywum	45.63	17	46.08	0.6013	2.79	80	120	45.67	7	0.08	20		
Cadnium	43.23	12	46.08	0.02995	93.8	75	120	43.23	<del>ر</del> م	0.01	2		
Calcium Channels and the second second	41840	120	2304	40050	77.8	. 60	140	41910	°0	0.18	20		
Caromiura	57.84 5	7	46.08	12.2	<u>99.</u> 1	<b>6</b> 9	124	57.63		0.38	20		
Copali	48.78	5.8 2,8	46.08	5.04	<b>6.19</b>	75	120	48.73		0.12	20		
Copper	64,04 LEV 22070	4 1 1	46.08	18.18	36°2	78	123	63.98	e 6	0.10	20	÷	
· . · . · · .	···.	8 1	230.4	41600	<b>O</b>	8	140	32710	0	2.00	27	Ś	
Machaeium	07.75	80.0	46.08	27.81	96.3	09	140	71.69	6	0.70	50		
Manganese	0//0 LL X 1076	07 J	4002	9220	24.1	<b>8</b> 8	140	8753		0.26	50		
Nickel		ם מ היני	40.00 A6.08	1221	0 4	8 f	140	1024	4 ·	4.99	20	ŝ	
Potassium	3868		10.00	12.0	0.02	S S	120	56.74	<b>स</b> ं	0.13	50	_	
Selenium	43.52	0.58	46 DR	1 523	2 -	8 8	121	9095 97 07	- <b>ה</b>	0.22	2		
Silver	11.89	12	11.52	0.1129	102	C G		40°.14	- C	0./0 0.7	20		
Sodium	2794	120	2304	390.1	104	74	<u>1</u>	787					
Thailium	43.11	1.2	46.08	1.452	90.4	:	12	10.01			4 8	•	
Vanadium	68.44	5.8	46.08	22.99	98.6	8	120	70.27			2: F		
	80.79	1.2	46.08	35.2	98.9	09	135	80.75		0.05	2 2		
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Oualifiers: E Value exceeds	Value exceeds the instrument califimation manage		H Holding th	mae for second of							···   , · ·   ,		1
- <del>Q</del>	Not Detected at the Practical Quantitation Limit (PQL)	t (PQL)		ruolung titles for preparation of analysis exceeded RPD exceeds accepted precision limit	n or anarysis sion limit	Dedeoxa	J Ang S Spi	Analyte detected below the PQL Snike Bernsery outside successed second 15-55-	d below ti antride s	ie PQL			

24-Jan-06

Page 4 of 10

CLIARY1         OFFICIAL         Wert Order         Sont Order         Noti rder         Noti Order         Noti Order <th></th> <th>East Syracuse, NY 13057 (315) 437-0200</th> <th></th> <th></th> <th></th> <th></th> <th>Method:</th> <th><b>;</b>p</th> <th>Method: SW6010B</th> <th>ß</th> <th></th> <th></th> <th></th>		East Syracuse, NY 13057 (315) 437-0200					Method:	<b>;</b> p	Method: SW6010B	ß			
C. Gertode-0023         SampType: BH-30-D         Tarticode: Section:         Tarticode: Station:         Farticode: Station:         Farit:         Farticode: Station:         Fartico		iere Engineers, Inc.					Work Projec	Order: t:	0601049 Geneva Fr	mdev			
Instrument         Columnity         Columnity         Result         POL         Service	<b>H</b>	L K	TestCode: Method:	M			Prep Date:	- HE			4293		J <b>L</b>
Amble         Reatil         POL         SPK ratio         SrRef Val         SrRef Val         SrRef         LowLont         HighLimit         RPD ratio           Ammium         7800         10         2304         623         7         7         75 <th>Instrument:</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Aularysis Uate</th> <th></th> <th></th> <th>•</th> <th>125582</th> <th>·</th> <th></th>	Instrument:						Aularysis Uate			•	125582	·	
Alminum         7380         10         230.4         8271         0         75         125           Residency         4.4.33         6.00         0.9147         9.4.3         76         125           Residency         4.5.7         100         4.000         0.9147         9.4.3         75         125           Residency         4.5.7         10         4.000         0.913         9.4.1         75         125           Residency         4.7.3         1.0         4.000         0.0013         9.4.1         75         125           Control         6.00         0.0013         9.4.1         75         125         125           Control         100         4.00         0.014         9.0.3         75         125           Control         100         6.00         13.16         9.7.3         75         125           Constant         6.00         12.0         2.00         100         75         125           Constant         6.00         12.0         75         125         125         125           Constant         9.03         126         125         125         125           Const         6.00	Analyte	Result	POL		3PK Ref Val	%REC			tPD Ref Val	%RPI			
Antifoly         443         6.0         4.01         9.43         75         125           Bultim         4.03         1.05         4.00         0.0341         9.43         75         125           Bultim         4.03         1.05         4.00         0.0361         9.41         75         125           Bultim         4.13         1.0         4.00         0.0361         9.41         75         125           Cartinim         4.13         1.0         4.00         0.03         0.0451         75         125           Cartinim         4.13         1.0         4.00         0.01         70         125         75         125           Cartinim         6.73         5.0         4.00         7.11         6.00         75         125         75         125         75         125         75         125         75         125         75         125         75         125         75         125         75         125         75         125         75         125         75         125         75         125         75         125         75         125         75         125         75         125         75         1	Aluminum	0662	р С	230.4	8221	0	75	125					-,
Anome         43.7         0.50         4.03         6.38         9.37         75         125           Brithm         103         100         4.08         6.38         9.37         75         125           Brithm         43.7         0.0         4.08         0.388         9.37         75         125           Brithm         4010         100         4.08         0.0013         9.41         75         125           Chonkum         55.79         100         46.08         6.08         122         9.45         75         125           Chonkum         55.79         100         46.08         733         9.02         75         125           Chonkum         55.79         100         46.08         122         9.43         75         125           Chonkum         55.79         5.00         46.08         122         9.12         75         125           Chonkum         55.79         5.00         5.04         126         75         125           Appendix         56.00         5.01         126         75         125         125           Appendix         55.10         5.00         25.01         25.0 </td <td>Antimony</td> <td>44.38</td> <td>6.0</td> <td>46.08</td> <td>0.9147</td> <td>94.3</td> <td>75</td> <td>125</td> <td>•</td> <td></td> <td>•</td> <td>2</td> <td></td>	Antimony	44.38	6.0	46.08	0.9147	94.3	75	125	•		•	2	
Beryllini         Low         10         4.600         6.8.44         67.3         7.5         1.25	Arsenic Barium	49.57	0.50	46.08	6.388	93.7	75	125		•			
And function         4134         10         46.08         0.0339         94.1         75         73 <th73< th="">         73         <th73< th=""> <th73< t<="" td=""><td>Rewline</td><td>103.7</td><td>9</td><td>46.08</td><td>63.48</td><td>87.3</td><td>75</td><td>125</td><td></td><td></td><td></td><td></td><td>•</td></th73<></th73<></th73<>	Rewline	103.7	9	46.08	63.48	87.3	75	125					•
Calcium         Continum	Cadmium	43.95 47 14	0.0	46.08	0.6013	94.1	75	125				. •	
Chromiun         56/10         1/0         6/04         1/04         6/04         1/05         1/25	Calcium	41.74	2	46.08	0.02995	30.5	75	125	•			•	
Obset         4.33         5.0         4.00         1.22         9.46         7.5         1.25	Chromium	55.70	3 -	45.00	10004		75	125				<i>د</i> ک د	• •
Opper         63.04         1.0         4.00         1.18         7.3         7.5         1.25           and         99.6         1.00         230.4         4.1600         0         7.5         1.25         1.25           and         99.6         1.00         230.4         4.1600         0         7.5         1.25         1.25           dargenesim         99.6         1.00         230.4         4.1600         7.3         7.5         1.25         1.25           dargenesim         99.6         1.00         230.4         1.25         90.2         7.5         1.25         1.25           dargenesim         366.0         1.23         92.9         7.5         1.25	Cobalt	47.32		40.00 46.08	12.2	94.6 94.6	75	125	• •				
Col         39430         5.0         20.4         10.0         7.5         125           add         69.3         0.50         4.00         7.5         125         125           add         69.3         0.50         4.00         7.5         125         125         125           darganesim         99.6         5.0         2.00         1227         0.0         7.5         125           darganesi         1199         5.0         4.00         12.2         90.2         7.5         125           darganesi         1130         0.0         5.0         46.08         1.224         101         75         125           otokin         2.35.1         0.50         2.004         1.02         7.5         125         125           otokin         2.355         1.0         1.32         0.1         7.5         125         125         125           otokin         2.355         1.0         2.35         90.1         7.5         125         125         125           finadium         67.78         5.0         6.08         2.35         96.0         75         125         125           finc         7.43	Copper	63.04		80.04 A6.08	40.04	8.19 0.70	75	125			•		
aed         B3.77         0.50         45.08         7100         0.7         125         1	lron	39430	0.5	No. N. N.C.	11000		१।	125		•	•	·.	
Magnesium         9916         100         2304         8220         736         75         125         125           Marganesis         1199         5.0         46.08         1227         0         75         125           Marganesis         5.10         5.0         46.08         12.23         92.9         75         125           Olassium         5.86         5.00         45.08         1.23         92.9         75         125           Sher         11.30         1.0         11.52         0.112.9         97.1         75         125           Sher         27.22         0.50         45.08         1.452         91.4         75         125           Sher         11.452         91.1         101         75         125         125           Solutim         2722         100         2304         35.2         61.0         75         125           Analdum         67.79         5.0         46.08         1.452         91.4         75         125           Analytic         7.14, H         1.0         45.08         35.2         86.0         75         75         75           Analt         7.14, H <t< td=""><td>Lead</td><td>69.37</td><td>0.50</td><td>46.08</td><td>4 I BUU 27 81</td><td></td><td>9 2</td><td>125</td><td></td><td></td><td>•</td><td>ŝ</td><td></td></t<>	Lead	69.37	0.50	46.08	4 I BUU 27 81		9 2	125			•	ŝ	
Manganese         1199         5.0         46.08         1227         0         75         125           Vickel         55.10         5.0         46.08         123         92.9         75         125           Vickel         55.10         5.0         46.08         123         92.9         75         125           Otassim         358         500         204         1252         91.2         75         125           Ner         11.30         1.1.52         91.1         75         125         125           Nalum         2722         1.0         2.04         90.1         71         75         125           Nalum         27.25         1.0         2.09         97.1         75         125           Addum         6.7.3         5.0         46.08         35.2.99         97.2         75         125           Adadum         6.7.3         5.0         46.08         35.2         86.0         75         75         125           Adadum         6.7.3         5.0         46.08         35.2         86.0         75         75         125           Adadum         6.7.4         1.0         75         85	Magnesium	9916	100	2304	8220	7.00	5 J	<u>8</u>	•	• .	• •	• .	
vickel         55.10         5.0         46.08         12.3         92.9         75         125           °atassium         3885         590         2304         1254         101         75         125           °atassium         3885         590         2304         1254         101         75         125           Silver         45.08         15.22         0.00         11.52         0.1129         97.1         75         125           Silver         2722         100         21.52         0.129         97.1         75         125           Silver         2722         100         21.52         0.12         97.1         75         125           Atallum         67.73         5.0         46.08         3.52         86.0         75         125           Inc         74.84         1.0         46.08         3.52         86.0         75         125           Inc         74.84         1.0         46.08         3.52         86.0         75         125           Inc         74.44         1.0         46.08         3.52         86.0         75         75           Inc         74.60         75	Manganese	1199	5.0	46.08	1227		5 2	0	·			S	
Orlassium         3585         500         2304         1254         101         75         125           Benhum         43.57         0.50         46.08         1.523         91.2         75         125           Benhum         2130         1.0         11.32         0.1129         97.1         75         125           Neur         2132         1.0         2.304         390.1         101         75         125           Natilum         27.22         1.0         2.304         390.1         101         75         125           Anadrum         67.79         5.0         46.08         2.328         97.2         7         125           Anadrum         67.79         5.0         46.08         3.5.2         86.0         75         125           Cinc         74.84         1.0         46.08         3.5.2         86.0         75         125           Cinc         74.84         1.0         46.08         3.5.2         86.0         75         125           Cinc         7.44         1.0         46.08         3.5.2         86.0         75         125           Cinc         7.44         1.0         46.08 <td>Nickel</td> <td>55.10</td> <td>5.0</td> <td>46.08</td> <td>12.3</td> <td>92.9</td> <td>75</td> <td>125</td> <td></td> <td></td> <td></td> <td>S</td> <td></td>	Nickel	55.10	5.0	46.08	12.3	92.9	75	125				S	
Solentum         43.57         0.50         46.08         1.52         91.2         7.5         1.25           Silver         11.30         1.0         11.52         0.1129         97.1         7.5         1.25           Soldum         272         1.00         2.304         390.1         101         7.5         1.25           Soldum         27.2         1.00         2.304         390.1         101         7.5         1.25           Addum         67.79         5.0         46.08         1.422         91.4         7.5         1.25           Anadium         67.79         5.0         46.08         2.2.99         97.2         7.5         1.25           Anadium         6.7.79         5.0         46.08         3.5.2         86.0         7.5         1.25           Inc         74.84         1.0         46.08         3.5.2         86.0         7.5         1.25           Inc         74.84         1.0         46.08         3.5.2         86.0         7.5         1.25           Inc         74.84         1.0         46.08         3.5.2         86.0         7.5         1.25           Inc         74.44         1.0 </td <td>Potassium</td> <td>3585</td> <td>500</td> <td>2304</td> <td>1254</td> <td>ē</td> <td>75</td> <td>125</td> <td>· · · ·</td> <td></td> <td>. •</td> <td>•</td> <td></td>	Potassium	3585	500	2304	1254	ē	75	125	· · · ·		. •	•	
Nilver         11.30         1.0         11.52         0.1129         97.1         75         125         0.01         75         125         0.01         75         125         0.01         75         125         0.01         75         125         0.01         75         125         0.01         75         125         0.01         75         125         0.01         0.01         75         125         0.01         0.01         0.01         0.01         0.01         0.01         120         0.01 <th0< td=""><td>Selentum</td><td>43.57</td><td>0.50</td><td>46.08</td><td>1.523</td><td>91.2</td><td>75</td><td>125</td><td></td><td></td><td>,</td><td>• .</td><td></td></th0<>	Selentum	43.57	0.50	46.08	1.523	91.2	75	125			,	• .	
volum         2722         100         2304         390.1         101         75         125           "Hallum         61.78         5.0         46.08         1.452         91.4         75         125           "anadum         67.79         5.0         46.08         2.2399         97.2         75         125           "inc         74.84         1.0         46.08         35.2         86.0         75         125           "inc         Nu but concerds the instrument calibration range         H         Holding times for preparation or analysis exceeded         J         Analyse detected below the PQL           ND Not Detected at the Practical Quantitation Limit (PQI)         R         RPD exceeds accepted precision limit         Spike Recovery outside accepted recovery outsid	Silver	11.30	10	11.52	0.1129	97.1	75	125	:		••		
manutum         43.55         1.0         46.08         1.452         91.4         75         125           fanadium         67.79         5.0         46.08         22.99         97.2         75         125           finc         74.84         1.0         46.08         35.2         86.0         75         125           finc         74.84         1.0         46.08         35.2         86.0         75         125           finc         7         46.08         35.2         86.0         75         125           ubuilters:         E         Value exceeds the instrument calibration range         H         Holding times for preparation of analysis exceeded         J         Analyte detected below the PQL           ND         Not Detected at the Practical Quantitation Limit (PQL)         R. RPD exceeds accepted precision limit         Spike Recovery outside accepted recovery limit         Spike Recovery outside accepted recovery limit	Sodium	2722	100	2304	390.1	<u>1</u>	75	125		•	.4		
anaduum     67.79     5.0     46.08     22.99     97.2     75     125       inc     74.84     1.0     46.08     35.2     86.0     75     125       inc     75     75     125     125     125       inc     8     10     46.08     35.2     86.0     75       inc     8     46.08     75     75     125       inc     8     46.08     75     75     125       inc     8     10     104     116     10       inc     10     10     10     10     10       inc     10     10     10     10     10       inc     10     10     10     10     10	r nalijum 	43.55	<b>-</b> 0	46.08	1.452	91.4	75	125	•		•		
inc l	Vanadium	67.79	5.0	46.08	22.99	97.2	75	125		•			
Pualifiers:       E       Value exceeds the instrument calibration range         ND       Not Detected at the Practical Quantitation Limit (PQL)       R         RPD       scoreded       J       Analyte detected below the PQL         Spike Recovery outside accepted precision limit       Spike Recovery outside accepted recovery finded	Zinc	74.84	1.0	46.08	35.2	86.0	75	125	· .				
ualifiers:       E       Value exceeds the instrument calibration range       H       Holding times for preparation of analysis exceeded       J       Analyte detected below the PQL         ND       Not Detected at the Practical Quantitation Limit (PQL)       R       RPD exceeded accepted precision limit       Spike Recovery outside accepted recovery outside accepted recovery outside accepted recovery fire						•	•	-   -	• • •	•	• •	-	
Pualifiers:       E       Value exceeds the instrument calibration tange       H       Holding times for preparation of analysis exceeded       J       Analyse detected below the PQL         ND       Not Detected at the Practical Quantitation Limit (PQL)       R       RPD exceeds accepted precision limit       S       Spike Recovery outside accepted recovery bits				-		- - 		• • •	• . • .	. '		•	
Image       H       Holding times for preparation of analysis exceeded       J       Analyse detected below the PQL         ND       Not Detected at the Practical Quantitation Limit (PQL)       R       RPD exceeds accepted precision limit       Spike Recovery outside accepted recovery for         e:       24-Jan-06								· · ·				•	
Image       H       Holding times for preparation of analysis exceeded       J       Analyte detected below the PQL         ND       Not Detected at the Practical Quantitation Limit (PQL)       R       R/PD exceeded accepted precision limit       Spike Recovery outside accepted recovery fit         e:       24-Jan-06	-		· .						-	•			
Unalifiers:       E       Value exceeds the instrument calibration tange       H       Holding times for preparation of analysis exceeded       J       Analyte detected below the PQL         ND       Not Detected at the Practical Quantitation Limit (PQL)       R       RPD exceeds accepted precision limit       S       Spike Recovery outside accepted recovery fir         e:       24-Jan-06       S       Spike Recovery outside accepted recovery fir				· · ·						•			
Pualifiers:       E       Value exceeds the instrument calibration tange       H       Holding times for preparation of analysis exceeded       J       Analyte detected below the PQL         ND       Not Detected at the Practical Quantitation Limit (PQL)       R       RPD exceeds accepted precision limit       S       Spike Recovery outside accepted recovery fir         e:       24-Jan-06       S       Spike Recovery outside accepted recovery fir										•			
Pualifiers:       E       Value exceeds the instrument calibration tange       H       Holding times for preparation of analysis exceeded       J       Analyse detected below the PQL         ND       Not Detected at the Practical Quantitation Limit (PQL)       R       RPD exceeds accepted precision limit       S       Spike Recovery outside accepted recovery limit         e:       24-Jan-06       S       Spike Recovery outside accepted recovery limit							 	-		•			
ND Not Detected at the Practical Quantitation Limit (PQL) R. RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery fire: 24-Jan-06	щ	eds the instrument calibration rar			thes for preparatio	n of analysis (	exceeded	J Ana	Vte detected h	-low the POI			ı
e: 24-Jan-06		ed at the Practical Quantitation L		•	eds accepted preci	ision limit			e Recovery ou	tside accented	recovery lim	life	
	e:	90						•				3	

QC Batch <i>II</i> :	238P	ALS SAMPLE CONTI Date Digested:		/ (3 / 0 ?		
Client/Job Number	Number Range	aboratory Sample Removed	Removed by	c Dute Removed	Time Removed	Time Returned
ORMENT FOUNDRY	U601030-0060,0070	060/050-4062, 007C	C. Trac	1/23/06	10:00	16:30
						4
				e e e e e e e e e e e e e e e e e e e		
			•			
266						
	-	· · · · · · · · · · · · · · · · · · ·	.•	•		

					•	
			-			
	ICP META	IETALS SAMPLE CONTROL LOG	JL LOG			
QC Batch #:	2421	Date Digested:	1/19/06	~		
					•	
Client/Job Number	Laboratory Sample Number Range	Laboratory Sample Numbers Removed	Removed C L by Rer	Date Removed R	Time Removed	Time Returned
Genera Foundry	<b>4</b> -	Oberora - Oer B- Oor B	au 1	<b> </b>	10:00	16:30
	0601060-0010-0046	0601060 - 001B -> 004 B	1		~	
				•		
267						
	- - -		•	•		•

QC Batch #:	2422	IETALS SAMPLE CONTROL LOG Date Digested:	01 LOG	30)		
Client/Job Number	Laboratory Sample Number Range	Laboratory Sample Numbers Removed	<b>Removed</b> by	о Dute Removed	Time Renoved	Time Returned
Genera Foundry	0601049-0018->0208	0601049-0018- 020B	G. Trau	1/23/08	10:00	16:30
		0601049-002B(Pps)	E. Tran	2/1/06	9:30	//:30
			•			
	•					
268						
•		•		•	•	-

#### Life Science Laboratories, Inc. **Analytical Results** 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200 StateCertNo: 10155 O'Brien & Gere Engineers, Inc. **CLIENT:** Lab ID: 0601049-001B **Project:** Geneva Foundry Client Sample ID: BH-20-S W Order: 0601049 **Collection Date:** 01/11/06 7:55 Matrix: SOIL Date Received: 01/12/06 7:50 Inst. ID: ICAP 61E PrepDate: 01/19/06 12:00 A Sample Size: 0.5 g BatchNo: 2422/R4293 ColumnID: %Moisture: 12.7 1-SAMP-10947 **Revision:** 01/25/06 8:22:44 A FileID: TestCode: 6010S Analyte **Result Qual PQL** MDL Units DF Date Analyzed TOTAL METALS BY ICP SW6010B (SW3050B) Aluminum 4900 11 1.7 mg/Kg-dry 1 01/23/06 15:01 Antimony 01/23/06 15:01 0.74 J 6.9 0.22 mg/Kg-dry 1 Arsenic 9.3 0.25 mg/Kg-dry 1 01/23/06 15:01 0.57 Barium 63 0.039 mg/Kg-dry 1 01/23/06 15:01 11 Beryllium 0.39 J 0.0055 mg/Kg-dry 1 01/23/06 15:01 1.1 Cadmium 0.055 J 0.027 mg/Kg-dry 1 01/23/06 15:01 1.1 Calcium 97000 110 1.6 mg/Kg-dry 1 01/23/06 15:01 Chromium 0.14 01/23/06 15:01 10 mg/Kg-dry 1 1.1 Cobait 01/23/06 15:01 5.2 J 5.7 0.12 mg/Kg-dry 1 Copper 01/23/06 15:01 25 1.1 0.19 mg/Kg-dry 1 fron 39000 5.7 0.45 mg/Kg-dry 1 01/23/06 15:01 Lead 69 0.57 0.068 mg/Kg-dry 1 01/23/06 15:01 Magnesium 17000 01/23/06 15:01 0.80 mg/Kg-dry 1 110 Manganese 500 0.038 mg/Kg-dry 1 01/23/06 15:01 5.7 Nickel 0.15 01/23/06 15:01 15 5.7 mg/Kg-dry 1 Potassium 1300 570 9.2 mg/Kg-dry 1 01/23/06 15:01 Selenium 0.28 mg/Kg-dry 1 01/23/06 15:01 1.1 0.57 Silver 01/23/06 15:01 ND 1.1 0.092 mg/Kg-dry 1 Sodium 480 01/23/06 15:01 110 0.72 mg/Kg-dry 1 Thallium 0.51 J 0.24 mg/Kg-dry 1 01/23/06 15:01 1.1 Vanadium 18 5.7 0.092 mg/Kg-dry 1 01/23/06 15:01 Zinc 31 1:1 0.25 01/23/06 15:01 mg/Kg-dry 1

Oualifiers:	В	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
•	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

#### **Analytical Results**

E	ast Syracuse, NY 130	)57 (315	) 437-0200		StateCertNo	<b>b:</b> 10155
CLIENT: Project: W Order: Matrix: Inst. ID: ColumnID: Revision:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL ICAP 61E 01/25/06 8:22:44 A	sample Size %Moisture TestCode:	-	Lab ID: Client Sar Collection Date Rece PrepDate BatchNo: FileID:	Date: 01/11/06 8 ived: 01/12/06 7	) :05 :50 2:00 A 3
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Units DF	Date Analyzed
TOTAL MET	ALS BY ICP			SW6010B	(SW3050	)B)
Aluminum		8200	12	1.7	mg/Kg-dry 1	01/23/06 15:05
Antimony		0.91 J	6.9	0.22	mg/Kg-dry 1	01/23/06 15:05
Arsenic		6.4	0.58	0.25	mg/Kg-dry 1	01/23/06 15:05
Barium		63	12	0.039	mg/Kg-dry 1	01/23/06 15:05
Beryllium		0.60 J	1.2	0.0055	mg/Kg-dry 1	01/23/06 15:05
Cadmium		0.030 J	1.2	0.027	mg/Kg-dry 1	01/23/06 15:05
Calcium		40000	120	1.6	mg/Kg-dry 1	01/23/08 15:05
Chromium		12	1.2	0.14	mg/Kg-dry 1	01/23/06 15:05
Cobalt		5.0 J	5.8	0.12	mg/Kg-dry 1	01/23/06 15:05
Copper		18	1.2	0.19	mg/Kg-dry 1	01/23/06 15:05
Iron		42000	5.8	0.45	mg/Kg-dry 1	01/23/06 15:05
Lead		28	0.58	0.068	mg/Kg-dry 1	01/23/06 15:05
Magnesium		8200	120	0.80	mg/Kg-dry 1	01/23/06 15:05
Manganese		1200 E	5.8	0.039	mg/Kg-dry 1	01/23/06 15:05
Nickel	•	12	5.8	0.15	mg/Kg-dry 1	01/23/06 15:05
Potassium		1300	580	9.3	mg/Kg-dry 1	01/23/06 15:05
Silver		0.11 J	1.2	0.093	mg/Kg-dry 1	01/23/06 15:05
Sodium		390	120	0.72	mg/Kg-dry 1	01/23/06 15:05
Vanadium		23	5.8	0.092	mg/Kg-dry 1	01/23/08 15:05
Zinc		35	1.2	0.25	mg/Kg-dry 1	01/23/06 15:05

Qualifiers:

- B Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Value exceeds the instrument calibration range Ε
- Analyte detected below the PQL J
- P Prim./Conf. column %D or RPD exceeds limit

**Analytical Results** 

E	ast Syracuse, NY 13(	)57 (315	) 437-0200		S	tateCertNo:	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receive	le ID: ate:	0601049-00 BH-20-D 01/11/06 8:0 01/12/06 7:5	5
Inst. ID: ColumnID: Revision:	ICAP 61E 01/25/06 8:22:44 A	Sample Size %Moisture: TestCode:	-	PrepDate: BatcbNo: FileID:	:	01/19/06 12:( 2422/R4293 I-DL-11003	<b>A 00</b>
Analyte	·····	Result Qu	al PQL	MDL	Units	DF	Date Analyzed
TOTAL MET	ALS BY ICP			SW6010B		(SW3050B	)
Manganese		1200	12	0.077	mg/Kg	-dry 2	01/23/06 18:43
Selenium		0.77 J	1.2	0.56	mg/Kg	-dry 2	01/23/06 18:43
Thallium		1.4 J	2.3	0.49	ma/Ka	-drv 2	01/23/06 18:43

Qualifiers:

Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Ε Value exceeds the instrument calibration range

J Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit P

В

## LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

E	ast Syracuse, NY 130	)57 (315	) 437-0200		StateCertN	<b>D:</b> 10155
CLIENT: Project: W Order: Matrix: Inst. ID;	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL ICAP 61E			Lab ID: Client Sau Collection Date Reco PrepDate	<b>Date:</b> 01/10/06 1 eived: 01/12/06 7	5:15 :50
ColumnID:	ICAP OIE	Sample Size %Moisture		BatchNo:	2422/R429	3
Revision:	01/25/06 8:22:44 A	TestCode:	6010S	FileID:	1-SAMP-1	0958
Anaiyte		Result Qu	ial PQL	MDL	Units DF	Date Analyzed
TOTAL MET	ALS BY ICP			SW6010B	(SW3056	)B)
Aluminum		6400	12	1.7	mg/Kg-dry 1	01/23/06 15:38
Antimony		ND	6.9	0.22	mg/Kg-dry 1	01/23/06 15:38
Arsenic		2.8	0.58	0.25	mg/Kg-dry 1	01/23/06 15:38
Barlum		220	12	0.039	mg/Kg-dry 1	01/23/06 15:38
Beryllium		0.32 J	1.2	0.0055	mg/Kg-dry 1	01/23/06 15:38
Cadmium		1.0 J	1.2	0.027	mg/Kg-dry 1	01/23/06 15:38
Calcium		200000	120	1.6	mg/Kg-dry 1	01/23/06 15:38
Chromium		8.6	1.2	0.14	mg/Kg-dry 1	01/23/06 15:38
Cobait		3.3 J	5.8	0.12	mg/Kg-dry 1	01/23/06 15:38
Copper	· · · · · · · · ·	6.0	1.2	0.19	mg/Kg-dry 1	01/23/06 15:38
iron		8200	5.8	0.46	mg/Kg-dry 1	01/23/06 15:38
Lead		21	0.58	0.069	mg/Kg-dry 1	01/23/06 15:38
Magnesium		61000	120	0.80	mg/Kg-dry 1	01/23/06 15:38
Manganese		300	5.8	0.039	mg/Kg-dry 1	01/23/06 15:38
Nickel	· ·	12	5.8	0.15	mg/Kg-dry 1	01/23/08 15:38
Potassium		2200	580	9.3	mg/Kg-dry 1	01/23/06 15:38
Selenium		ND	0.58	0.28	mg/Kg-dry 1	01/23/06 15:38
Silver		ND	1.2	0.093	mg/Kg-dry 1	01/23/06 15:38
Sodium		250	120	0.73	mg/Kg-dry 1	01/23/06 15:38
Thallium		0.68 J	1.2	0.25	mg/Kg-dry 1	01/23/06 15:38
Vanadium		10	5.8	0.092	mg/Kg-dry 1	01/23/06 15:38
Zinc		91	1.2	0.25	mg/Kg-dry 1	01/23/06 15:38

Qualifiers:

- Analyte detected in the associated Method Blank
- Value exceeds the instrument calibration range Ε
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded

Prim/Conf. column %D or RPD exceeds limit P

B

**Analytical Results** 

E	ast Syracuse, NY 13(	57 (315	) 437-0200		StateCertNo	: 10155
CLIENT: Project: W Order: Matrix: Inst. ID:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL ICAP 61E	eers, Inc. Sample Size	: 0.5 g	Lab ID: Client Sa Collection Date Reco PrepDate	Date:         01/10/06 15           eived:         01/12/06 7:           :         01/19/06 12	5:25 50 :00 A
ColumnID:	01/05/07 0.00.44	%Moisture		BatchNo:	2422/R4293 1-SAMP-10	
Revision:	01/25/06 8:22:44 A	TestCode:	6010S	FileID:		······
Analyte		Result Q	al PQL	MDL	Units DF	Date Analyzed
TOTAL MET	ALS BY ICP			SW6010B	(SW3050	B)
Aluminum		4900	12	1.8	mg/Kg-dry 1	01/23/06 15:42
Antimony		0.49 J	7.1	0.22	mg/Kg-dry 1	01/23/06 15:42
Arsenic		7.4	0.59	0.26	mg/Kg-dry 1	01/23/06 15:42
Barium		110	12	0.040	mg/Kg-dry 1	01/23/06 15:42
Beryllium		0.32 J	1.2	0.0056	mg/Kg-dry 1	01/23/06 15:42
Cadmium		ND	1.2	0.028	mg/Kg-dry 1	01/23/06 15:42
Calcium		130000	120	1.6	mg/Kg-dry 1	01/23/06 15:42
Chromium		9.4	1.2	0.15	mg/Kg-dry 1	01/23/06 15:42
Cobait		3.4 J	5.9	0.13	mg/Kg-dry 1	01/23/06 15:42
Copper		12	1.2	0.19	mg/Kg-dry 1	01/23/06 15:42
iron		18000	5.9	0.46	mg/Kg-dry 1	01/23/06 15:42
Lead		15	0.59	0.070	mg/Kg-dry 1	01/23/06 15:42
Magnesium	·	19000	120	0.82	mg/Kg-dry 1	01/23/06 15:42
Manganese		280	5.9	0.039	mg/Kg-dry 1	01/23/06 15:42
Nickel		10	5.9	0.15	mg/Kg-dry 1	01/23/06 15:42
Potassium		1600	590	9.5	mg/Kg-dry 1	01/23/06 15:42
Selenium		0.41 J	0.59	0.28	mg/Kg-dry 1	01/23/06 15:42
Silver		ND	1.2	0.094	mg/Kg-dry 1 👘	01/23/06 15:42
Sodium		170	120	0.74	mg/Kg-dry 1	01/23/06 15:42
Thallium		0.31 J	1.2	0.25	mg/Kg-dry 1	01/23/06 15:42
Vanadium		. 15	5.9	0.094	mg/Kg-dry 1	01/23/06 15:42
Zinc		39	1.2	0.26	mg/Kg-dry 1	01/23/06 15:42

Oualifiers:	B	Analyte detected in the associated Method Blank	Е	Value exceeds the instrument calibration range
2441110101	н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
0	S	Spike Recovery outside accepted recovery limits		

**Analytical Results** 

CLIENT:	O'Brien & Gere Engin	eers Inc		Lab ID: 0601049-005B			
Project:	Geneva Foundry			Client Sample ID: BH-22-S			
W Order:	0601049			Collection Date: 01/10/06 13:00			
Matrix:	SOIL			Date Reco			
Inst. ID:	ICAP 61E	Sample Size:	050	PrepDate	. 01/19/06 1	2:00 A	
ColumnID:		%Moisture:		BatchNo:			
Revision:	01/25/06 8:22:44 A	TestCode:	6010 <b>S</b>	FileID:	1-SAMP-1		
Analyte		Result Qu	ai PQL	MDL	Units DF	Date Analyzed	
TOTAL MET	ALS BY ICP	-		SW6010B	(SW305	0B)	
Aluminum		5100	12	1.8	mg/Kg-dry 1	01/23/06 15:50	
Antimony		1.0 J	7.0	0.22	mg/Kg-dry 1	01/23/08 15:50	
Arsenic		9.6	0.59	0.26	mg/Kg-dry 1	01/23/06 15:50	
Barium		85	12	0.039	mg/Kg-dry 1	01/23/06 15:50	
Beryllium	•	0.35 J	1.2	0.0056	mg/Kg-dry 1	01/23/06 15:50	
Cadmium		1.3	1.2	0.027	mg/Kg-dry 1	01/23/06 15:50	
Calcium		63000	120	1.6	mg/Kg-dry 1	01/23/06 15:50	
Chromium		20	1.2	0.15	mg/Kg-dry 1	01/23/06 15:50	
Cobalt		4.6 J	5.9	0.13	mg/Kg-dry 1	01/23/06 15:50	
Copper		53	1.2	0.19	mg/Kg-dry 1	01/23/06 15:50	
ron		29000	5.9	0.46	mg/Kg-dry 1	01/23/06 15:50	
ead		320	0.59	0.070	mg/Kg-dry 1	01/23/06 15:50	
Magnesium		19000	120	0.82	mg/Kg-dry 1	01/23/06 15:50	
Manganese		560	5.9	0.039	mg/Kg-dry 1	01/23/06 15:50	
Vickel		19	5.9	0.15	mg/Kg-dry 1	01/23/06 15:50	
Potassium		1100	590	9.4	mg/Kg-dry 1	01/23/06 15:50	
Selenium		1.2	0.59	0.28	mg/Kg-dry 1	01/23/06 15:50	
Silver		0.43 J	1.2	0.094	mg/Kg-dry 1	01/23/06 15:50	
Sodium		77 J	120	0.74	mg/Kg-dry 1	01/23/06 15:50	
Thallium		ND	1.2	0.25	mg/Kg-dry 1	01/23/06 15:50	
Vanadium		14	5.9	0.094	mg/Kg-dry 1	01/23/06 15:50	
Zinc		290	1.2	0.26	mg/Kg-dry 1	01/23/06 15:50	

Oualifiers:	В	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
•	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit

S Spike Recovery outside accepted recovery limits

#### Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200 StateCertNo: 10155 CLIENT: O'Brien & Gere Engineers, Inc. Lab ID: 0601049-006B

Project: W Order: Matrix:	Geneva Foundry 0601049 SOIL			Client Sam Collection Date Receiv		
Inst. ID: ColumnID: Revision:	ICAP 61E	Sample Size: %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:	01/12/00 7.5 01/19/06 12: 2422/R4293 1-SAMP-10	00 A
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed
TOTAL MET	TALS BY ICP			SW6010B	(SW3050E	3)
Aluminum		5100	12	1.8	mg/Kg-dry 1	01/23/06 15:53
Antimony		0.38 J	7.0	0.22	mg/Kg-dry 1	01/23/06 15:53
Arsenic		8.9	0.58	0.26	mg/Kg-dry 1	01/23/06 15:53
Barlum		160	. 12	0.039	mg/Kg-dry 1	01/23/06 15:53
Beryllium		0.44 J	1.2	0.0056	mg/Kg-dry 1	01/23/06 15:53
Cadmium		0.24 J	1.2	0.027	mg/Kg-dry 1	01/23/06 15:53
Calcium		38000	120	1.6	mg/Kg-dry 1	01/23/06 15:53
Chromium		11	1.2	0.15	mg/Kg-dry 1	01/23/06 15:53
Cobalt		5.1 J	5.8	0.13	mg/Kg-dry 1	01/23/06 15:53
Copper		25	1.2	0.19	mg/Kg-dry 1	01/23/06 15:53
Iron		14000	5.8	0.46	mg/Kg-dry 1	01/23/06 15:53
Lead		150	0.58	0.069	mg/Kg-dry 1	01/23/06 15:53
Magnesium		9200	120	0.81	mg/Kg-dry 1	01/23/06 15:53
Manganese		330	5.8	0.039	mg/Kg-dry 1	01/23/06 15:53
Nickel		13	5.8	0.15	mg/Kg-dry 1	01/23/06 15:53
Potassium		940	580	9.4	mg/Kg-dry 1	01/23/06 15:53
Selenium		0.68	0.58	0.28	mg/Kg-dry 1	01/23/06 15:53
Silver		0.54 J	1.2	0.094	mg/Kg-dry 1	01/23/06 15:53
Sodium		77 J	120	0.73	mg/Kg-dry 1	01/23/06 15:53
Thallium		ND	1.2	0.25	mg/Kg-dry 1	01/23/06 15:53
Vanadium	· · ·	16	5.8	0.093	mg/Kg-dry 1	01/23/06 15:53
Zinc	• • •	100	1.2	0.26	mg/Kg-dry 1	01/23/06 15:53

В	Analyte	detected	in the	associated	Met	hod Bla	nk

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range Ε

Analyte detected below the PQL J

Р Prim./Conf. column %D or RPD exceeds limit

Qualifiers:

**Analytical Results** 

#### **Analytical Results** Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200 StateCertNo: 10155 East Syracuse, NY 13057 (315) 437-0200 Lab ID: 0601049-007B CLIENT: O'Brien & Gere Engineers, Inc. Client Sample ID: BH-23-S **Project:** Geneva Foundry **Collection Date:** 01/10/06 14:00 W Order: 0601049 Date Received: 01/12/06 7:50 Matrix: SOIL 01/19/06 12:00 A Inst. ID; ICAP 61E PrepDate: Sample Size: 0.5 g **BatchNo:** 2422/R4293 ColumnID: %Moisture: 6.2 1-SAMP-10962 FileID: **Revision:** 01/25/06 8:22:44 A TestCode: 6010S MDL. Units DF **Result Onal POL** Date Analyzed Analyte

Analyte	Result Qual	PQL	MDL	Units	Dr	Date Aualyzeu
TOTAL METALS BY ICP			SW6010B	(	SW3050	B)
Aluminum	2400	11	1.6	mg/Kg-dŋ	/ 1	01/23/06 15:57
Antimony	0.73 J	6.4	. 0.20	mg/Kg-dŋ	/ 1	01/23/06 15:57
Arsenic	6.6	0.53	0.23	mg/Kg-dŋ	/ 1	01/23/06 15:57
Barium	46	11	0.036	mg/Kg-dŋ	/ 1	01/23/06 15:57
Beryllium	0.29 J	1.1	0.0051	mg/Kg-dr	y 1	01/23/06 15:57
Cadmium	0.34 J	1.1	0.025	mg/Kg-dr	y 1	01/23/06 15:57
Calcium	130000	110	1.4	mg/Kg-dr	y 1	01/23/06 15:57
Chromium	8.1	1.1	0.13	mg/Kg-drj	<u>y</u> 1	01/23/06 15:57
Cobalt	3.0 J	5.3	0.12	mg/Kg-dr	y 1	01/23/06 15:57
Copper	25	1.1	0.17	mg/Kg-dry	y 1	01/23/06 15:57
Iron	9700	5.3	0.42	mg/Kg-dr	y 1	01/23/06 15:57
Lead	160	0.53	0.063	mg/Kg-dr	y 1	01/23/06 15:57
Magnesium	6100	110	0.74	mg/Kg-dr	y 1	01/23/06 15:57
Manganese	310	5.3	0.036	mg/Kg-dr	y 1	01/23/06 15:57
Nickel	12	5.3	0.14	mg/Kg-dr	y. 1	01/23/06 15:57
Potassium	920	530	8.6	mg/Kg-dr	y 1	01/23/06 15:57
Selenium	0.73	0.53	0.26	mg/Kg-dr	y 1	01/23/06 15:57
Silver	0.12 J	1.1	0.086	mg/Kg-drj	y 1	01/23/06 15:57
Sodium	96 J	110	0.67	mg/Kg-dr	y 1	01/23/06 15:57
Thallium	ND	1.1	0.23	mg/Kg-dr	y 1	01/23/06 15:57
Vanadium	14	5.3	0.085	mg/Kg-dr	y 1	01/23/06 15:57
Zinc	100	1.1	0.23	mg/Kg-dr	y 1	01/23/06 15:57

Qualifiers: B

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

## LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

East Syracuse, NY 13	)57 (315)	437-0200	StateCertNo: 10155			
CLIENT: O'Brien & Gere Engir Project: Geneva Foundry W Order: 0601049 Matrix: SOIL Inst. ID: ICAP 61E ColumnID: Revision: 01/25/06 8:22:44 A	Sample Size: %Moisture:		Lab ID: Client San Collection Date Recei PrepDate: BatchNo: FileID:		40 50 ;00 A	
Analyte	Result Qua		MDL	Units DF	Date Analyzed	
TOTAL METALS BY ICP			SW6010B	(SW3050)	31	
Aluminum	9300	12	1.9	mg/Kg-dry 1	01/23/06 16:00	
Antimony	0.74 J	7.5	0.24	mg/Kg-dry 1	01/23/06 16:00	
Arsenic	10	0.62	0.27	mg/Kg-dry 1	01/23/06 16:00	
Barium	140	12	0.042	mg/Kg-dry 1	01/23/06 16:00	
Beryllium	0.69 J	1.2	0.0060	mg/Kg-dry 1	01/23/06 16:00	
	0.99 J	1.2	0.029	mg/Kg-dry 1	01/23/06 16:00	
Calcium	12000	120	1.7	mg/Kg-dry 1	01/23/06 16:00	
Chromium	18	1.2	0.16	mg/Kg-dry 1	01/23/06 16:00	
Cobait	6.9	6.2	0.13	mg/Kg-dry 1	01/23/06 16:00	
Copper	38	1.2	0.20	mg/Kg-dry 1	01/23/06 16:00	
Iron	22000	6.2	0.49	mg/Kg-dry 1	01/23/06 16:00	
Lead	290	0.62	0.074	mg/Kg-dry 1	01/23/06 16:00	
Magnesium	3100	120	0.87	mg/Kg-dry 1	01/23/06 16:00	
Manganese	470	6.2	0.042	mg/Kg-dry 1	01/23/06 16:00	
Nickel	17	6.2	0.16	mg/Kg-dry 1	01/23/06 16:00	
Potassium	1700	620	10	mg/Kg-dry 1	01/23/06 16:00	
Selenium	1.8	0.62	0.30	mg/Kg-dry 1	01/23/06 16:00	
Silver	0.15 J	1.2	0.10	mg/Kg-dry 1	01/23/06 16:00	
Sodium	190	120	0.78	mg/Kg-dry 1	01/23/06 16:00	
Thallium	0.47 J	1.2	0.26	mg/Kg-dry 1	01/23/06 16:00	
Vanadium	21	6.2	0.10	mg/Kg-dry 1	01/23/06 16:00	
Zinc	190	1.2	0.27	mg/Kg-dry 1	01/23/06 16:00	

B Analyte detected in the associated Method Blank Qualifiers: H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range E

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

**Analytical Results** 

CLIENT:	O'Brien & Gere Engin	aaro Ino		Lah ID:	Lab ID: 0601049-009B			
Project:	Geneva Foundry	icers, me.			Client Sample ID: BH-24-D			
W Order:	0601049				Collection Date: $01/11/06 9:50$			
Matrix:	SOIL		· .	Date Rece	ived: 01	/12/06 7:50	i .	
Inst. ID:	ICAP 61E	Sample Size	: 0.5 g	PrepDate:	01/	01/19/06 12:00 A		
ColumnID:		%Moisture	: 28.5	BatchNo:		22/R4293		
Revision:	01/25/06 8:22:44 A	TestCode:	6010 <b>S</b>	FileID:	1-5	SAMP-1096	54	
Analyte		Result Q	ual PQL	MDL	Units	DF	Date Analyzed	
TOTAL METALS BY ICP			SW6010B	(	SW3050B)			
Aluminum		19000	14	2.1	mg/Kg-dr	y 1	01/23/06 16:03	
Antimony		ND	8.4	0.26	mg/Kg-dr	y 1	01/23/06 16:03	
Arsenic		5.5	0.70	0.31	mg/Kg-dr	y 1	01/23/06 16:03	
Barium		210	14	0.047	mg/Kg-dŋ	y 1	01/23/06 16:03	
Beryllium		1.3 J	1.4	0.0067	mg/Kg-dr	y 1 👘	01/23/06 16:03	
Cadmium		0.52 J	1.4	0.033	mg/Kg-dr	y 1	01/23/06 16:03	
Calcium		5000	140	1.9	mg/Kg-dr	y 1	01/23/06 16:03	
Chromium		24	1.4	0.17	mg/Kg-dr	y 1	01/23/06 16:03	
Cobalt		12	7.0	0.15	mg/Kg-dr	y 1	01/23/06 16:03	
Copper		24	1.4	0.23	mg/Kg-dr	y 1	01/23/06 16:03	
ron		24000	7.0	0.55	mg/Kg-dr	y 1	01/23/06 16:03	
ead		27	0.70	0.083	mg/Kg-dŋ	y 1	01/23/06 16:03	
Magnesium		4100	140	0.97	mg/Kg-dr	y 1	01/23/06 16:03	
Manganese		1400	7.0	0.047	mg/Kg-dr	y 1	01/23/06 16:03	
Nickel		27	7.0	0.18	mg/Kg-dŋ	y 1	01/23/06 16:03	
Potassium	•	5000	700	11	mg/Kg-dr	y 1	01/23/06 16:03	
Selenium		0.96	0.70	0.34	mg/Kg-din	y 1	01/23/06 16:03	
Silver		ND	1.4	0.11	mg/Kg-dr	y 1	01/23/06 16:03	
Sodium		100 J	140	0.88	mg/Kg-dr	y 1	01/23/06 16:03	
Thallium		1.8	1.4	0.30	mg/Kg-dr	y 1	01/23/06 16:03	
Vanadium		34	7.0	0.11	mg/Kg-dr	y 1	01/23/06 16:03	
Zinc		73	1.4	0.31	mg/Kg-dr	y 1	01/23/06 16:03	

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- Value exceeds the instrument calibration range Ε

J Analyte detected below the PQL

- Prim./Conf. column %D or RPD exceeds limit P
- S Spike Recovery outside accepted recovery limits

**Analytical Results** 

E	ast Syracuse, NY 130	)57 (315	) 437-0200	StateCertNo: 10155			
CLIENT: Project: W Order: Matrix:	Project: Geneva Foundry W Order: 0601049 Matrix: SOIL			Lab ID:       0601049-010B         Client Sample ID:       BH-25-S         Collection Date:       01/11/06 12:10         Date Received:       01/12/06 7:50			
Inst. ID:	ICAP 61E	Sample Size	:: 0.5 g	PrepDate:	01/19/06 12		
ColumnID: Revision:	01/25/06 8:22:44 A	%Moisture TestCode:	: 19.1 6010S	BatchNo: FileID:	2422/R429 1-SAMP-1		
Analyte		Result Qu	ial PQL	MDL	Units DF	Date Analyzed	
TOTAL MET	ALS BY ICP			SW6010B	(SW3050	B)	
Aluminum		4800	12	1.9	mg/Kg-dry 1	01/23/06 16:07	
Antimony		1.2 J	7.4	0.23	mg/Kg-dry 1	01/23/06 16:07	
Arsenic		10	0.62	0.27	mg/Kg-dry 1	01/23/06 16:07	
Barium		110	12	0.042	mg/Kg-dry 1	01/23/06 16:07	
Beryllium		0.44 J	1.2	0.0059	mg/Kg-dry 1	01/23/06 16:07	
Cadmium		1.4	1.2	0.029	mg/Kg-dry 1	01/23/06 16:07	
Calcium	•	35000	120	1.7	mg/Kg-dry 1	01/23/06 16:07	
Chromium		22	1.2	0.15	mg/Kg-dry 1	01/23/06 16:07	
Cobait		5.1 J	6.2	0.13	mg/Kg-dry 1	01/23/06 16:07	
Copper		91	1.2	0.20	mg/Kg-dry 1	01/23/06 16:07	
Iron		33000	6.2	0.49	mg/Kg-dry 1	01/23/06 16:07	
Lead		370	0.62	0.073	mg/Kg-dry 1	01/23/06 16:07	
Magnesium		7300	120	0.86	mg/Kg-dry 1	01/23/06 16:07	
Manganese	•	430	6.2	0.041	mg/Kg-dry 1	01/23/06 16:07	
Nickel		17	6.2	0.16	mg/Kg-dry 1	01/23/06 16:07	
Potassium		990	620	9.9	mg/Kg-dry 1	01/23/06 16:07	
Selenium	·	2.3	0.62	0.30	mg/Kg-dry 1	01/23/06 16:07	
Silver		0.22 J	1.2	0.099	mg/Kg-dry 1	01/23/06 16:07	
Sodium		220	120	0.78	mg/Kg-dry 1	01/23/06 16:07	
Thallium		0.36 J	1.2	0.26	mg/Kg-dry 1	01/23/06 16:07	
Vanadium		16	6.2	0.099	mg/Kg-dry 1	01/23/06 16:07	
Zinc		520	1.2	0.27	mg/Kg-dry 1	01/23/06 16:07	

Qualifiers:

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

- Ε Value exceeds the instrument calibration range
- Analyte detected below the PQL J
- Prim./Conf. column %D or RPD exceeds limit Р

В

**Analytical Results** 

CLIENT:	O'Brien & Gere Engin	eers. Inc.		Lab 1D: 0601049-011B				
Project:	Geneva Foundry	·····,··		Client Sample ID: BH-25-D				
W Order:	0601049				Collection Date: 01/11/06 12:20			
Matrix:	SOIL		Date Received:					
Inst. ID:	ICAP 61E	Sample Size	:0.5 g	PrepDate	: 01	/19/06 12:00	) A	
ColumnID:		%Moisture:		BatchNo:	24	22/R4293		
Revision:	01/25/06 8:22:44 A	TestCode:	6010S	FileID:	1-5	SAMP-1096	9	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed	
TOTAL MET	ALS BY ICP			SW6010B		(SW3050B)		
Aluminum		6500	12	1,9	mg/Kg-dr	• •	01/23/06 16:20	
Antimony		ND	7.5	0.24	mg/Kg-dr	y 1	01/23/06 16:20	
Arsenic		6.1	0.62	0.27	mg/Kg-dr	y 1	01/23/06 16:20	
Barium		100	12	0.042	mg/Kg-dr	y 1	01/23/06 16:20	
Beryllium		0.57 J	1.2	0.0060	mg/Kg-dr	y 1	01/23/06 16:20	
Cedmium		0.19 J	1.2	0.029	mg/Kg-dr	y 1	01/23/06 16:20	
Calcium		12000	120	- 1.7	mg/Kg-dr	y 1	01/23/06 16:20	
Chromium		9.3	1.2	0.16	mg/Kg-dr	y 1 👘 👘	01/23/06 16:20	
Cobalt	· · · · · · · · · · · · · · · · · · ·	6.6	6.2	0.13	mg/Kg-dr	y 1	01/23/06 16:20	
Соррег		21	1.2	0.20	mg/Kg-dr	y 1	01/23/06 16:20	
ron		13000	6.2	0.49	mg/Kg-dr	y 1	01/23/06 16:20	
.ead		58	0.62	0.074	mg/Kg-dr	y 1	01/23/06 16:20	
<i>N</i> agnesium		3100	120	0.87	mg/Kg-dr	y 1	01/23/06 16:20	
/langanese		550	6.2	0.042	mg/Kg-dr	y 1	01/23/06 16:20	
lickel		14	6.2	0.16	mg/Kg-dr	y 1	01/23/06 16:20	
Potassium		1600	620	10	mg/Kg-dr	y 1	01/23/06 16:20	
Selenium	- 9	3.2	0.62	0.30	mg/Kg-dr	y 1	01/23/06 16:20	
Silver		0.34 J	1.2	0.10	mg/Kg-dr	y 1	01/23/06 16:20	
Sodium		74 J	120	0.78	mg/Kg-dr	y 1	01/23/06 16:20	
Thallium		0.30 J	1.2	0.26	mg/Kg-dr	y 1	01/23/06 16:20	
/anadium		15	6.2	0.10	mg/Kg-dr	y 1	01/23/06 16:20	
linc		57	1.2	0.27	mg/Kg-dr	у 1	01/23/06 16:20	

<b>Oualifiers</b> :	В	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
<b>~</b>	н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf, column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

## LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

E	ast Syracuse, NY 130	57 (315	) 437-0200	StateCertNo: 10155			
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Collection	Lab ID:         0601049-012B           Client Sample ID:         BH-26-S           Collection Date:         01/11/06 12:35           Date Received:         01/12/06 7:50		
Inst. ID:	ICAP 61E	Sample Size		PrepDate			
ColumnID:		%Moisture:		BatchNo:	2422/R429		
Revision:	01/25/06 8:22:44 A	TestCode:	6010S	FileID:	1-SAMP-1	0970 	
Analyte		Result Qı	al PQL	MDL	Units DF	Date Analyzed	
TOTAL MET	ALS BY ICP			SW6010B	(SW3050	)8)	
Aluminum		6800	. 11	1.7	mg/Kg-dry 1	01/23/06 16:24	
Antimony		0.60 J	6.9	0.22	mg/Kg-dry 1	01/23/06 16:24	
Arsenic		5.2	0.57	0.25	mg/Kg-dry 1	01/23/06 16:24	
Barium		49	11	0.038	mg/Kg-dry 1	01/23/06 16:24	
Beryllium		0.37 J	1.1	0.0055	mg/Kg-dry 1	01/23/06 16:24	
Cadmium		0.30 J	1.1	0.027	mg/Kg-dry 1	01/23/06 16:24	
Calcium		25000	110	1.6	mg/Kg-dry 1	01/23/06 16:24	
Chromium		12	1.1	0.14	mg/Kg-dry 1	01/23/06 16:24	
Cobalt		3.8 J	5.7	0.12	mg/Kg-dry 1	01/23/06 16:24	
Copper		14	1.1	0.19	mg/Kg-dry 1	01/23/06 16:24	
Iron		38000	5.7	0.45	mg/Kg-dry 1	01/23/06 16:24	
Lead		25	0.57	0.068	mg/Kg-dry 1	01/23/06 16:24	
Magnesium		3600	110	0.80	mg/Kg-dry 1	01/23/06 16:24	
Manganese		810	5.7	0.038	mg/Kg-dry 1	01/23/06 16:24	
Nickel		9.7	5.7	0.15	mg/Kg-dry 1	01/23/06 16:24	
Potassium		950	570	9.2	mg/Kg-dry 1	01/23/06 16:24	
Selenium		1.1	0.57	0.28	mg/Kg-dry 1	01/23/06 16:24	
Silver		ND	1.1	0.092	mg/Kg-dry 1	01/23/06 16:24	
Sodium		160	110	0.72	mg/Kg-dry 1	01/23/06 16:24	
Thallium		0.69 J	1.1	0.24	mg/Kg-dry 1	01/23/06 16:24	
Vanadium		21	5.7	0.092	mg/Kg-dry 1	01/23/06 16:24	
Zinc		51	1.1	0.25	mg/Kg-dry 1	01/23/06 16:24	

Е Value exceeds the instrument calibration range Analyte detected in the associated Method Blank в Qualifiers: Analyte detected below the PQL H Holding times for preparation or analysis exceeded J Prim./Conf. column %D or RPD exceeds limit Р ND Not Detected at the Practical Quantitation Limit (PQL) S Spike Recovery outside accepted recovery limits

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	Life Science		ories, l	nc.	Analy	tical Results	
	ast Syracuse, NY 130	•		StateCertNo: 10155			
CLIENT: Project: W Order: Matrix: Inst. ID:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL ICAP 61E	eers, Inc. Sample Size:	0.5 g	Lab ID: Client Sar Collection Date Rece PrepDate	ived: 01/12/06 7	5 13:40 7:50	
ColumnID:		%Moisture:	24.3	BatchNo:	2422/R429		
Revision:	01/25/06 8:22:44 A	TestCode:	6010S	FileID:	1-SAMP-1	0971	
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed	
TOTAL MET	ALS BY ICP			SW6010B	(SW305	0B)	
Aluminum		5300	13	2.0	mg/Kg-dry 1	01/23/06 16:27	
Antimony		0.30 J	7.9	0.25	mg/Kg-dry 1	01/23/06 16:27	
Arsenic		3.5	0.66	0.29	mg/Kg-dry 1	01/23/06 16:27	
Barium		40	13	0.044	mg/Kg-dry 1	01/23/06 16:27	
Beryllium		0.28 J	1.3	0.0063	mg/Kg-dry 1	01/23/06 16:27	
Cadmium		0.24 J	1.3	0.031	mg/Kg-dry 1	01/23/06 16:27	
Calcium		22000	130	1.8	mg/Kg-dry 1	01/23/06 16:27	
Chromium		. 11	1.3	0.17	mg/Kg-dry 1	01/23/06 16:27	
Cobalt		2.6 J	6.6	0.14	mg/Kg-dry 1	01/23/06 16:27	
Copper		13	1.3	0.21	mg/Kg-dry 1	01/23/06 16:27	
Iron		14000	6.6	0.52	mg/Kg-dry 1	01/23/06 16:27	
Lead		53	0.66	0.079	mg/Kg-dry 1	01/23/06 16:27	
Magnesium		3700	130	0.92	mg/Kg-dry 1	01/23/06 16:27	
Manganese		240	6.6	0.044	mg/Kg-dry 1	01/23/06 16:27	
Nickel		8.6	6.6	0.17	mg/Kg-dry 1	01/23/06 16:27	
Potassium		800	660	11	mg/Kg-dry 1	01/23/06 16:27	
Selenium		0.48 J	0.66	0.32	mg/Kg-dry 1	01/23/06 16:27	
Silver		ND	1.3	0.11	mg/Kg-dry 1	01/23/06 16:27	
Sodium		150	130	0.63	mg/Kg-dry 1	01/23/06 16:27	
Thallium		ND	1.3	0.26	mg/Kg-dry 1	01/23/06 16:27	
Vanadium		13	6.6	0.11	mg/Kg-dry 1	01/23/06 16:27	
Zinc		85	1.3	0.29	mg/Kg-dry 1	01/23/06 16:27	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim/Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

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**Analytical Results** 

CLIENT:		- r		Lab D. 0601040 014D				
Project:	O'Brien & Gere Engin Geneva Foundry	leers, inc.		Lab ID: 0601049-014B Client Sample ID: BH-27-D				
W Order:	0601049			Collection Date: 01/11/06 13:55				
Matrix:	SOIL				Date Received: 01/12/06 7:50			
Inst. ID:	ICAP 61E	Sample Size	:0.5 g	PrepDate:	01/19/06 1	2:00 A		
ColumnID:		%Moisture	-	BatchNo:	2422/R429	3		
Revision:	01/25/06 8:22:44 A	TestCode:	6010S	FileID:	1-SAMP-1	0972		
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed		
TOTAL MET	ALS BY ICP			SW6010B	(SW3050	)B)		
Aluminum		12000	13	1.9	mg/Kg-dry 1	01/23/06 16:30		
Antimony		ND	7.6	0.24	mg/Kg-dry 1	01/23/06 16:30		
Агзеліс		6.5	0.63	0.28	mg/Kg-dry 1	01/23/06 16:30		
Barium		99	13 ·	0.042	mg/Kg-dry 1	01/23/06 16:30		
Beryllium		0.65 J	1.3	0.0061	mg/Kg-dry 1	01/23/06 16:30		
Cadmium		0.17 J	1.3	0.030	mg/Kg-dry 1	01/23/06 16:30		
Calcium		5600	130	1.7	mg/Kg-dry 1	01/23/06 16:30		
Chromium	· · · ·	20	1.3	0.16	mg/Kg-dry. 1	01/23/06 16:30		
Cobait		8.9	6.3	0.14	mg/Kg-dry 1	01/23/06 16:30		
Copper		25	1.3	0.21	mg/Kg-dry 1	01/23/06 16:30		
ron		23000	6.3	0.50	mg/Kg-dry 1	01/23/06 16:30		
.ead		74	0.63	0.075	mg/Kg-dry 1	01/23/06 16:30		
Magnesium		4100	130	0.88	mg/Kg-dry 1	01/23/06 16:30		
Manganese		510	6.3	0.042	mg/Kg-dry 1	01/23/08 16:30		
Nicke!		. 18	6.3	0.16	mg/Kg-dry 1	01/23/06 16:30		
Potassium		1900	630	10	mg/Kg-dry 1	01/23/06 16:30		
Selenium		1.2	0.63	0.30	mg/Kg-dry 1	01/23/06 1 <del>6</del> :30		
Silver		ND	1.3	0.10	mg/Kg-dry 1	01/23/06 16:30		
Sodium		63 J	130	0.79	mg/Kg-dry 1	01/23/06 16:30		
<b>Fhallium</b>		1.2 J	1.3	0.27	mg/Kg-dry 1	01/23/06 16:30		
/anadium		27	6.3	0.10	mg/Kg-dry 1	01/23/06 16:30		
Zinc		97	1.3	0.28	mg/Kg-dry 1	01/23/06 16:30		

Qualifiers:

- B Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

- Prim./Conf. column %D or RPD exceeds limit Ρ

	Life Science		Inc.	ic. Analytical Result			
E	ast Syracuse, NY 130	)57 (315)	437-0200		StateCe	ertNo: 10155	
CLIENT: Project: W Order:	O'Brien & Gere Engir Geneva Foundry 0601049	eers, Inc.		Lab ID:         0601049-015B           Client Sample ID:         BH-28-S           Collection Date:         01/11/06 15:10			
Matrix: Inst. ID: ColumnID: Revision:	SOIL ICAP 61E 01/25/06 8:22:44 A	Sample Size: %Moisture: TestCode:		Date Received:         01/12/06 7:50           PrepDate:         01/19/06 12:00 A           BatchNo:         2422/R4293           FileID:         1-SAMP-10973			
Analyte		Result Qu	al PQL	MDL	Units D	F Date Analyzed	
TOTAL MET	ALS BY ICP			SW6010B	(SW	/3050B)	
Aluminum		5500	11	1.7	mg/Kg-dry 1	01/23/06 16:34	
Antimony	,	3.2 J	6.8	0.22	mg/Kg-dry 1	01/23/06 16:34	
Arsenic		7.5	0.57	0.25	mg/Kg-dry 1	01/23/06 16:34	
Barium		130	11	0.038	mg/Kg-dry 1	01/23/06 16:34	
Seryllium		0.29 J	1.1	0.0055	mg/Kg-dry 1	01/23/06 16:34	
Cadmium		0.67 J	1.1	0.027	mg/Kg-dry 1	01/23/06 16:34	
Calcium		35000	110	1.5	mg/Kg-dry 1	01/23/06 16:34	
Chromium		30	1.1	0.14	mg/Kg-dry 1	01/23/06 16:34	
Cobalt		4.4 J	5.7	0.12	mg/Kg-dry 1	01/23/06 16:34	
Copper		53	1.1	0.19	mg/Kg-dry 1	01/23/06 16:34	
ron		35000	5.7	0.45	mg/Kg-dry 1	01/23/06 16:34	
.ead		120	0.57	0.068	mg/Kg-dry 1	01/23/06 16:34	
<i>l</i> lagnesium		8000	110	0.79	mg/Kg-dry 1	01/23/06 16:34	
langanese		560	5.7	0.038	mg/Kg-dry 1	01/23/06 16:34	
lickel		26	5.7	0.15	mg/Kg-dry 1	01/23/06 16:34	
Potassium		810	570	9.2	mg/Kg-dry 1	01/23/06 16:34	
Selenium		1.1	0.57	0.28	mg/Kg-dry 1	01/23/06 16:34	
Silver		0.23 J	1.1	0.092	mg/Kg-dry 1	01/23/06 16:34	
Sodium		140	110	0.72	mg/Kg-dry 1	01/23/06 16:34	
Fhallium		0.40 J	1.1	0.24	mg/Kg-dry 1	01/23/06 16:34	
/anadium		25	5.7	0.091	mg/Kg-dry 1	01/23/06 16:34	
Zinc		160	1.1	0.25	mg/Kg-dry 1	01/23/06 16:34	

B Analyte detected in the associated Method Blank Ε Qualifiers: H Holding times for preparation or analysis exceeded J

ND Not Detected at the Practical Quantitation Limit (PQL)

Value exceeds the instrument calibration range

Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit P

## LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

			StateCertNo: 10155				
CLIENT: Project: W Order: Matrix: Inst. ID: ColumnID:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL ICAP 61E	Sample Size %Moisture:	19.6	Collection Date Rec PrepDate BatchNo:	mple ID: BH n Date: 01/1 eived: 01/1 :: 01/1 : 01/1	1/06 15:2 2/06 7:50 9/06 12:0 2/R4293	20 9 0 A
Revision: Analyte	01/25/06 8:22:44 A	TestCode: Result Qu	6010S	FileID: MDL		MP-1097	Date Analyzed
	ALS BY ICP			SW6010B	(8	W3050B)	······································
Aluminum		10000	12	1.9	mg/Kg-dry	-	01/23/06 16:37
Antimony		0.29 J	7.5	0.24	mg/Kg-dry		01/23/06 16:37
Barlum		74	12	0.042	mg/Kg-dry		01/23/06 16:37
Beryllium		0.50 J	1.2	0.0060	mg/Kg-dry		01/23/06 16:37
Cadmium	· .	0.25 J	1.2	0.029	mg/Kg-dry		01/23/06 16:37
Calcium		10000	120	1.7	mg/Kg-dry		01/23/06 16:37
Chromium		15	1.2	0.16	mg/Kg-dry		01/23/06 16:37
Cobalt		6.8	6.2	0.13	mg/Kg-dry	1	01/23/06 16:37
Copper		62	1.2	0.20	mg/Kg-dry	1	01/23/06 16:37
ron		19000	6.2	0.49	mg/Kg-dry	1	01/23/06 16:37
Lead		98	0.62	0.074	mg/Kg-dry	1	01/23/06 16:37
Magnesium		3200	120	0.87	mg/Kg-dry	1	01/23/06 16:37
Manganese		670	6.2	0.042	mg/Kg-dry	1	01/23/06 16:37
Nickel		14	6.2	0.16	mg/Kg-dry	1	01/23/06 16:37
Potassium		1100	620	10	mg/Kg-dry	1	01/23/06 16:37
Selenium		0.63	0.62	0.30	mg/Kg-dry	1	01/23/06 16:37
Silver		ND	1.2	0.10	mg/Kg-dry	1	01/23/06 16:37
Sodium		80 J	120	0.78	mg/Kg-dry	1	01/23/06 16:37
Thailium		0.68 J	1.2	0.26	mg/Kg-dry	1	01/23/06 16:37
Vanadium		24	6.2	0.099	mg/Kg-dry	1	01/23/06 16:37
Zinc		110	1.2	0.27	mg/Kg-dry	1	01/23/06 16:37

Oualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
2	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

	Life Science		ories, ]	Inc.	An	alytic	cal Result
E	ast Syracuse, NY 130	)57 (315)	· · · · · · · · · · · · · · · · · · ·	StateCertNo: 10155			
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engir Geneva Foundry 0601049 SOIL	Collection	Lab ID:         0601049-017B           Client Sample ID:         BH-29-S           Collection Date:         01/11/06 16:05           Date Received:         01/12/06 7:50				
Inst. ID:	ICAP 61E	Sample Size:	: 0.5 g	PrepDate		9/06 12:0	0 A
ColumnID:		%Moisture:		BatchNo:		2/R4293	
Revision:	01/25/06 8:22:44 A	TestCode:	60108	FileID:	1-SA	AMP-109	75
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
TOTAL MET	ALS BY ICP			SW6010B	(S	W3050B)	)
Aluminum		5000	11	1.7	mg/Kg-dry	1	01/23/06 16:41
Antimony		ND	6.8	0.22	mg/Kg-dry	1	01/23/06 16:41
Arsenic		3.4	0.57	0.25	mg/Kg-dry	1	01/23/06 16:41
Barium		39	11	0.038	mg/Kg-dry	1	01/23/06 16:41
Beryllium		0.24 J	1.1	0.0055	mg/Kg-dry	1	01/23/06 18:41
Cadmium		0.029 J	1.1	0.027	mg/Kg-dry	1 .	01/23/06 18:41
Calcium		36000	110	1.5	mg/Kg-dry	1	01/23/06 16:41
Chromium		9.4	1.1	0.14	mg/Kg-dry	1	01/23/06 16:41
Cobalt		2.3 J	5.7	0.12	mg/Kg-dry	1	01/23/06 16:41
Copper		14	1.1	0.19	mg/Kg-dry	1	01/23/06 16:41
ron		14000	5.7	0.45	mg/K <b>g-dry</b>	1	01/23/06 16:41
ead		25	0.57	0.068	mg/Kg-dry	1 .	01/23/06 16:41
Magnesium		9100	110	0.79	mg/Kg-dry	1	01/23/06 16:41
Manganese		310	5.7	0.038	mg/Kg-dry	1	01/23/06 16:41
Nickel		7.8	5.7	0.15	mg/Kg-dry	1	01/23/06 16:41
Potassium		830	570	9.2	mg/Kg-dry	1	01/23/06 16:41
Selenium		ND	0.57	0.28	mg/Kg-dry	<b>1</b> .	01/23/06 16:41
Silver		ND	1.1	0.092	mg/Kg-dry	1	01/23/06 16:41
Sodium		90 J	110	0.72	mg/Kg-dry	1	01/23/06 16:41
Thallium		ND	1.1	0.24	mg/Kg-dry		01/23/06 16:41
/anadium		14	5.7	0.091	mg/Kg-dry	1	01/23/06 16:41
Zinc		45	1.1	0.25	mg/Kg-dry	1	01/23/06 16:41

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Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

#### **Analytical Results**

E	ast Syracuse, NY 130	57 (315	) 437-0200	0 StateCertNo: 10155				
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL			Lab ID: Client Sau Collection Date Rece	Date: 01/11/06 16 vived: 01/12/06 7:	5:20 50		
Inst. ID:	ICAP 61E	Sample Size		PrepDate BatchNo:	: 01/19/06 I2 2422/R4293			
ColumnID: Revision:	01/25/06 8:22:44 A	%Moisture TestCode:	: 20.4 6010S	FileID:	1-SAMP-10			
Analyte		Result Qi	ial PQL	MDL	Units DF	Date Analyzed		
TOTAL MET	ALS BY ICP			SW6010B	(SW3050)	B)		
Aluminum		12000	13	1.9	mg/Kg-dry 1	01/23/06 16:44		
Antimony		ND	7.5	0.24	mg/Kg-dry 1	01/23/06 16:44		
Arsenic		5.0	0.63	0.27	mg/Kg-dry 1	01/23/06 16:44		
Barium		86	13	0.042	mg/Kg-dry 1	01/23/06 16:44		
Beryllium		0.71 J	1.3	0.0060	mg/Kg-dry 1	01/23/06 16:44		
Cadmium		0.13 J	1.3	0.029	mg/Kg-dry 1	01/23/06 16:44		
Calcium		11000	130	1.7	mg/Kg-dry 1	01/23/06 16:44		
Chromium		17	1.3	0.16	mg/Kg-dry 1	01/23/06 16:44		
Cobait		9.7	6.3	0.14	mg/Kg-dry 1	01/23/06 16:44		
Соррег		16	1.3	0.20	mg/Kg-dry 1	01/23/06 16:44		
ron		22000	6.3	0.50	mg/Kg-dry 1	01/23/06 16:44		
Lead		33	0.63	0.075	mg/Kg-dry 1	01/23/06 16:44		
Magnesium		5100	130	0.86	mg/Kg-dry 1	01/23/06 16:44		
Manganese		810	6.3	0.042	mg/Kg-dry 1	01/23/06 16:44		
Nickel		. 16	6.3 ·	0.16	mg/Kg-dry 1	01/23/06 16:44		
Potassium		1200	630	10	mg/Kg-dry 1	01/23/06 16:44		
Selenium		0.83	0.63	0.30	mg/Kg-dry 1	01/23/06 16:44		
Silver		0.18 J	1.3	0.10	mg/Kg-dry 1	01/23/08 16:44		
Sodium		140	130	0.79	mg/Kg-dry 1	01/23/06 16:44		
Thallium		1.0 J	1.3	0.27	mg/Kg-dry 1	01/23/06 16:44		
Vanadium		27	6.3	0.10	mg/Kg-dry 1	01/23/06 16:44		
Zinc		-59	1.3	0.28	mg/Kg-dry 1	01/23/08 16:44		

Oualifiers:	В	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
Q	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

**Analytical Results** 

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E	ast Syracuse, NY 130	57 (315)	StateCertNo: 10155			
CLIENT: Project: W Order: Matrix: Inst. ID: ColumnID: Revision:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL ICAP 61E 01/25/06 8:22:44 A	eers, Inc. Sample Size: %Moisture: TestCode:		Lab ID: Client San Collection Date Rece PrepDate: BatchNo: FileID:	aple ID: BH-3 Date: 01/11/0 ived: 01/12/0 01/19/0 2422/R	06 14:30 06 7:50 06 12:00 A
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed
TOTAL METALS BY ICP			SW6010B	(SW3	3050B)	
Aluminum		3500	12	1.9	mg/Kg-dry 1	01/23/06 16:47
Antimony		0.34 J	7.4	0.23	mg/Kg-dry 1	01/23/06 16:47
Arsenic		5.5	0.61	0.27	mg/Kg-dry 1	01/23/06 16:47
Barium		120	12	0.041	mg/Kg-dry 1	01/23/06 16:47
Beryflium		0.27 J	1.2	0.0059	mg/Kg-dry 1	01/23/06 16:47
Cadmium		1.5	1.2	0.029	mg/Kg-dry 1	01/23/06 16:47
Calcium		6600	120	1.7	mg/Kg-dry 1	01/23/06 16:47
Chromium		48	1.2	0.15	mg/Kg-dry 1	01/23/06 16:47
Cobalt		3.0 J	6.1	0.13	mg/Kg-dry 1	01/23/06 16:47
Copper		64	1,2	0.20	mg/Kg-dry 1	01/23/06 16:47
Iron		35000	6.1	0.48	mg/Kg-dry 1	01/23/06 16:47
Lead		110	0.61	0.073	mg/Kg-dry 1	01/23/06 16:47
Magnesium		1800	120	0.86	mg/Kg-dry 1	01/23/06 16:47
Manganese		380	6.1	0.041	mg/Kg-dry 1	01/23/06 16:47
Nickel	· · ·	40	6.1	0.16	mg/Kg-dry 1	01/23/06 16:47
Potassium		420 J	610	9.9	mg/Kg-dry 1	01/23/06 16:47
Selenium		0. <del>9</del> 7	0.61	0.30	mg/Kg-dry 1	01/23/06 16:47
Silver		0.31 J	1.2	0.099	mg/Kg-dry 1	01/23/06 16:47
Sodium		260	120	0.77	mg/Kg-dry 1	01/23/06 16:47
Thallium		0.70 J	1.2	0.26	mg/Kg-dry 1	01/23/06 16:47
Vanadium		9.0	6.1	0.098	mg/Kg-dry 1	01/23/06 16:47
Zinc		300	1.2	0.27	mg/Kg-dry 1	01/23/06 16:47

Qualifiers:

- Analyte detected in the associated Method Blank
- Е Value exceeds the instrument calibration range Analyte detected below the PQL J
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- P Prim./Conf. column %D or RPD exceeds limit

В

**Analytical Results** 

E	ast Syracuse, NY 130	57 (315	StateCertNo: 10155			
CLIENT: Project: W Order: Matrix: Inst. ID:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL ICAP 61E	Sample Size		Lab ID: Client Sau Collection Date Reco PrepDate	Date:         01/11/06 14           eived:         01/12/06 7::           :         01/19/06 12	:40 50 :00 A
ColumnID; Revision;	01/25/06 8:22:44 A	%Moisture: TestCode:	8.0 6010S	BatchNo: FileID:	2422/R4293 1-SAMP-10	
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050	8)
Aluminum		680	11	1.6	mg/Kg-dry 1	. 01/23/06 16:51
Antimony		ND	6.5	0.21	mg/Kg-dry 1	01/23/06 16:51
Arsenic		0.78	0.54	0.24	mg/Kg-dry 1	01/23/06 16:51
Barium		5.8 J	11	0.037	mg/Kg-dry 1	01/23/06 16:51
Beryllium		0.052 J	i.1	0.0052	mg/Kg-dry 1	01/23/06 16:51
Cadmium		0.049 J	1.1	0.025	mg/Kg-dry 1	01/23/06 16:51
Calcium		480	110	1.5	mg/Kg-dry 1	01/23/06 16:51
Chromium		2.1	1.1	0.14	mg/Kg-dry 1	01/23/06 16:51
Cobalt	,	0.50 J	5.4	0.12	mg/Kg-dry 1	01/23/06 16:51
Copper		2.8	1.1	0.18	mg/Kg-dry 1	01/23/06 16:51
Iron		4400	5.4	0.43	mg/Kg-dry 1	01/23/06 16:51
Lead		3.3	0.54	0.065	mg/Kg-dry 1	01/23/06 16:51
Magnesium		290	110	0.76	mg/Kg-dry 1	01/23/06 16:51
Manganese		41	5.4	0.036	mg/Kg-dry 1	01/23/06 16:51
Nickei		1.7 J	5.4	0.14	mg/Kg-dry 1	01/23/06 16:51
Potassium		94 J	540	· 8.7	mg/Kg-dry 1	01/23/06 16:51
Selenium		ND	0.54	0.26	mg/Kg-dry 1	01/23/06 16:51
Silver		ND	1.1	0.087	mg/Kg-dry 1	01/23/06 16:51
Sodium		65 J	110	0.68	mg/Kg-dry 1	01/23/06 16:51
Thallium		ND	1.1	0.23	mg/Kg-dry 1	01/23/06 16:51
Vanadium		1.8 J	5.4	0.087	mg/Kg-dry 1	01/23/06 16:51
Zinc		12	1.1	0.24	mg/Kg-dry 1	01/23/06 16:51

<b>Oualifiers:</b>	в	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
-	н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

## Life Science Laboratories, Inc.

**Analytical Results** 

E	ast Syracuse, NY 130	)57 (315	StateCertNo: 10155				
CLIENT: Project: W Order: Matrix: Inst. ID: ColumnID:	O'Brien & Gere Engin Geneva Foundry 0601050 SOIL 1CAP 61E	eers, Inc. Sample Size %Moisture	-	Lab ID: Client Sa Collection Datc Rec PrepDate BatchNo:	eived: 01/12/06 0 : 01/19/06 1	:30 :00 2:00 A	
Revision:	01/25/06 8:22:44 A	TestCode:	6010S	FileID:	1-SAMP-1		
Analyte		Result Qu	ial PQL	MDL	Units DF	Date Analyzed	
TOTAL MET	ALS BY ICP			SW6010B	(SW3050	)B)	
Aluminum		2200	60	9.0	mg/Kg-dry 5	01/23/06 17:39	
Antimony		1.8 J	36	1.1	mg/Kg-dry 5	01/23/06 17:39	
Arsenic		6.1	3.0	1.3	mg/Kg-dry 5	01/23/06 17:39	
Barium		31 J	60	0.20	mg/Kg-dry 5	01/23/06 17:39	
Beryllium		0.18 J	6.0	0.029	mg/Kg-dry 5	01/23/06 17:39	
Cadmium		1.1 J	6.0	0.14	mg/Kg-dry 5	01/23/06 17:39	
Calcium		23000	600	6.1	mg/Kg-dry 5	01/23/06 17:39	
Chromium		95	6.0	0.74	mg/Kg-dry 5	01/23/06 17:39	
Cobałt		6.3 J	30	0.64	mg/Kg-dry 5	01/23/06 17:39	
Copper		95	6.0	0.97	mg/Kg-dry 5	01/23/06 17:39	
ron		63000	30	2.3	mg/Kg-dry 5	01/23/06 17:39	
Lead		. 200	3.0	0.35	mg/Kg-dry 5	01/23/06 17:39	
Magnesium		4700	600	4.1	mg/Kg-dry 5	01/23/06 17:39	
Manganese		550	30	0.20	mg/Kg-dry 5	01/23/06 17:39	
Nickel		. 78	30	0.77	mg/Kg-dry 5	01/23/06 17:39	
Potassium		430 J	3000	48	mg/Kg-dry 5	01/23/06 17:39	
Selenium	• •	NÐ	3.0	1.4	mg/Kg-dry 5	01/23/06 17:39	
Silver	•	ND	6.0 -	0.48	mg/Kg-dry 5	01/23/06 17:39	
Sodium		51 J	600	3.7	mg/Kg-dry 5	01/23/06 17:39	
Thallium		2.2 J	6.0	1.3	mg/Kg-dry 5	01/23/06 17:39	
Vanadium		7.6 J	30	0.48	mg/Kg-dry 5	01/23/06 17:39	
Zinc		140	6.0	1.3	mg/Kg-dry 5	01/23/06 17:39	
NOTES							

NOTES:

\* The reporting limits were raised due to sample matrix interference.

Oualifiers:	В	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
Quanners,	н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

**Analytical Results** 

E	ast Syracuse, NY 130	57 (315		StateCertNo: 10155					
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601050 SOIL	eers, Inc.	· · ·	Lab ID: Client Sar Collection Date Rece		:55			
Inst. ID: ColumnID: Revision:	ICAP 61E 01/25/06 8:22:44 A	Sample Size %Moisture: TestCode:	-	PrepDate BatchNo: FileID:	01/19/06 1 2421/R429 1-SAMP-1	3			
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Units DF	Date Analyzed			
TOTAL MET	ALS BY ICP			SW6010B	(SW3050	)B)			
Aluminum		17000	12	1.9	mg/Kg-dry 1	01/23/08 13:54			
Antimony		0.23 J	7.3	0.23	mg/Kg-dry 1	01/23/06 13:54			
Arsenic		6.8	0.61	0.27	mg/Kg-dry 1	01/23/06 13:54			
Barium		110	12	0.041	mg/Kg-dry 1	01/23/08 13:54			
Beryillum		0.96 J	1.2	0.0059	mg/Kg-dry 1	01/23/06 13:54			
Cadmium		0.071 J	1.2	0.029	mg/Kg-dry 1	01/23/08 13:54			
Calcium		59000	120	1.7	mg/Kg-dry 1	01/23/06 13:54			
Chromium		23	1.2	0.15	mg/Kg-dry 1	01/23/06 13:54			
Cobalt		14	6.1	0.13	mg/Kg-dry 1	01/23/06 13:54			
Соррег		27	1.2	0.20	mg/Kg-dry 1	01/23/06 13:54			
Iron		29000	6.1	0.48	mg/Kg-dry 1	01/23/06 13:54			
Lead		16	0.61	0.073	mg/Kg-dry 1	01/23/06 13:54			
Magnesium		9500	120	0.85	mg/Kg-dry 1	01/23/06 13:54			
Manganese		500	6.1	0.041	mg/Kg-dry 1	01/23/06 13:54			
Nickel		37	6.1	0.18	mg/Kg-dry 1	01/23/06 13:54			
Potassium		2900	610	9.8	mg/Kg-dry 1	01/23/06 13:54			
Selenium		0.88	0.61	0.30	mg/Kg-dry 1	01/23/06 13:54			
Silver		ND	1.2	0.098	mg/Kg-dry 1	01/23/06 13:54			
Sodium		65 J	120	0.77	mg/Kg-dry 1	01/23/06 13:54			
Thallium		0.26 J	1.2	0.26	mg/Kg-dry 1	01/23/06 13:54			
Vanadium		31	6.1	0.098	mg/Kg-dry 1	01/23/06 13:54			
Zinc	,	68	1.2	0.27	mg/Kg-dry 1	01/23/06 13:54			

Qualifiers:

- Analyte detected in the associated Method Blank
- Е Value exceeds the instrument calibration range

Analyte detected below the PQL l P Prim/Conf. column %D or RPD exceeds limit

- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded

В

	Life Science		Inc.	c. Analytical Result				
	ast Syracuse, NY 13(	)57 (315)	437-0200		StateCer	tNo: 10155		
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601050 SOIL	eers, Inc.		Lab ID: Client Sar Collection Date Rece	nple ID: <i>BH-35</i> Date: 01/11/0	6 9:05		
Inst. ID: ColumnID: Revision:	ICAP 61E 01/25/06 8:22:44 A	Sample Size: %Moisture: TestCode:		PrepDate BatchNo: FileID:	: 01/19/00 2421/R4 1-SAMI			
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed		
TOTAL MET	ALS BY ICP			SW6010B	(SW3)	050B)		
Aluminum		19000	13	1.9	mg/Kg-dry 1	01/23/06 13:58		
Antimony		ND	7.6	0.24	mg/Kg-dry 1	01/23/06 13:58		
Arsenic		6.4	0.63	0.28	mg/Kg-dry 1	01/23/06 13:58		
Barium		130	13	0.042	mg/Kg-dry 1	01/23/06 13:58		
Beryillum		0.93 J	1.3	0.0061	mg/Kg-dry 1	01/23/06 13:58		
Cadmium		0.21 J	1.3	0.030	mg/Kg-dry 1	01/23/06 13:58		
Calcium		4300	130	1.7	mg/Kg-dry 1	01/23/06 13:58		
Chromium		25	1.3	0.16	mg/Kg-dry 1	01/23/06 13:58		
Cobałt		11	6.3	0.14	mg/Kg-dry i	01/23/06 13:58		
Copper		21	1.3	0.21	mg/Kg-dry 1	01/23/06 13:58		
Iron		30000	6.3	0.50	mg/Kg-dry 1	01/23/06 13:58		
Lead		53	0.63	0.075	mg/Kg-dry 1	01/23/06 13:58		
Magnesium		5400	130	0.88	mg/Kg-dry 1	01/23/06 13:58		
Manganese		540	6.3	0.042	mg/Kg-dry 1	01/23/06 13:58		
Nickel		28	6.3	0.16	mg/Kg-dry 1	01/23/06 13:58		
Potassium		<b>20</b> 00	630	<sup>-</sup> 10	mg/Kg-dry 1	01/23/06 13:58		
Selenium		0.90	0.63	0.31	mg/Kg-dry 1	01/23/06 13:58		
Silver		ND	1.3	0.10	mg/Kg-dry 1	01/23/06 13:58		
Sodium		39 J	130	0.80	mg/Kg-dry 1	01/23/06 13:56		
Thallium		2.0	1.3	0.27	mg/Kg-dry 1	01/23/06 13:58		
Vanadium		34	6.3	0.10	mg/Kg-dry 1	01/23/06 13:58		
Zinc		62	1.3	0.28	mg/Kg-dry 1	01/23/06 13:58		

Oualifiers:	в	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
Quantitation of	н	Holding times for preparation or analysis exceeded	1	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit

S Spike Recovery outside accepted recovery limits

**Analytical Results** 

E	ast Syracuse, NY 13	)57 (315	) 437-0200		StateCertNo	: 10155
CLIENT: Project: W Order: Matrix: Inst. ID: ColumnID: Revision:	O'Brien & Gere Engin Geneva Foundry 0601050 SOIL ICAP 61E 01/25/06 8:22:44 A	eers, Inc. Sample Size %Moisture: TestCode:	•	Lab ID: Client San Collection Date Reco PrepDate BatchNo: FileID:	ived: 01/12/06 0: : 01/19/06 12	4:20 00 2:00 A 3
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed
TOTAL MET	ALS BY ICP	<u></u>		SW6010B	(SW3050	B)
Aluminum		2300	10	1.6	mg/Kg-dry 1	01/23/06 14:01
Antimony		ND	6.2	0.20	mg/Kg-dry 1	01/23/06 14:01
Arsenic		3.8	0.52	0.23	mg/Kg-dry 1	01/23/06 14:01
Barium		6.0 J	10	0.035	mg/Kg-dry 1	01/23/06 14:01
Beryllium		0.29 J	1.0	0.0050	mg/Kg-dry 1	01/23/06 14:01
Cadmium		ND	1.0	0.024	mg/Kg-dry 1	01/23/06 14:01
Calcium		290000 E	100	- 1.4	mg/Kg-dry 1	01/23/06 14:01
Chromium		5.1	1.0	0.13	mg/Kg-dry 1	01/23/06 14:01
Cobalt		9.0	5.2	0.11	mg/Kg-dry 1	01/23/06 14:01
Соррег		9.3	1.0	0.17	mg/Kg-dry 1	01/23/06 14:01
Iron		6200	5.2	0.41	mg/Kg-dry 1	01/23/06 14:01
Lead		3.2	0.52	0.062	mg/Kg-dry 1	01/23/06 14:01
Magnesium		14000	100	0.72	mg/Kg-dry 1	01/23/06 14:01
Manganese		460	5.2	0.035	mg/Kg-dry 1	01/23/06 14:01
Nickel		21	5.2	0.13	mg/Kg-dry 1	01/23/06 14:01
Selenium		ND	0.52	0.25	mg/Kg-dry 1	01/23/06 14:01
Silver	•	ND	1.0	0.084	mg/Kg-dry 1	01/23/06 14:01
Sodium		160	100	0.66	mg/Kg-dry 1	01/23/06 14:01
Vanadium		8.0	5.2	0.083	mg/Kg-dry 1	01/23/06 14:01
Zinc		27	1.0	0.23	mg/Kg-dry 1	01/23/06 14:01

Qualifiers:

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range
- Analyte detected below the PQL J
- Р Prim./Conf. column %D or RPD exceeds limit

- - Project Supervisor: Thomas A. Alexander
- Print Date: 01/26/06 16:05

В

#### **Analytical Results**

E	ast Syracuse, NY 130	StateCertNo: 10155					
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engir Geneva Foundry 0601050 SOIL	neers, Inc.		Lab ID: Client Samj Collection I Date Receiv	Date:	0601050-004 BH-36-S 01/10/06 14:2 01/12/06 0:00	:0
Inst. ID: ColumnID: Revision:	ICAP 61E 01/25/06 8:22:44 A	Sample Size: %Moisture: TestCode:	-	PrepDate: BatcbNo: FileID:		01/19/06 12:0 2421/R4293 1-DL-10995	0 A
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
TOTAL MET	ALS BY ICP			SW6010B		(SW3050B)	
Calcium		280000	520	7.1	mg/Kg	j-dry 5	01/23/06 18:09
Potassium		1500 J	2600	42	mg/Kg	j-dry 5	01/23/06 18:09
Thallium		ND	5.2	1.1	mg/Kg	-dry 5	01/23/06 18:09

Qualifiers:

B

Print Date: 01/26/06 16:05

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Value exceeds the instrument calibration range Ε
- Analyte detected below the PQL J
- P Prim./Conf. column %D or RPD exceeds limit
- - Project Supervisor: Thomas A. Alexander

	Life Science		ories, I	Inc.	Anal	ytical Results
E	ast Syracuse, NY 130	57 (315)	437-0200		StateCer	tNo: 10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601050 SOIL	eers, Inc.		Lab ID: Client San Collection Date Rece	ple ID:         BH-36           Date:         01/10/0           ived:         01/12/0	6 14:30 6 0:00
Inst. ID: ColumnID: Revision:	ICAP 61E 01/25/06 8:22:44 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: FileID:	01/19/0 2421/R4 1-SAMI	
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed
TOTAL MET	ALS BY ICP			SW6010B	(SW3	050B)
Aluminum		5300	11	1.7	mg/Kg-dry 1	01/23/06 14:04
Antimony		0.53 J	6.9	0.22	mg/Kg-dry 1	01/23/06 14:04
Arsenic		4.2	0.57	0.25	mg/Kg-dry 1	01/23/06 14:04
Barium		48	11	0.039	mg/Kg-dry 1	01/23/06 14:04
Beryllium		0.44 J	1.1	0.0055	mg/Kg-dry 1	01/23/06 14:04
Cadmium		0.093 J	1.1	0.027	mg/Kg-dry 1	01/23/06 14:04
Calcium		23000	110	1.6	mg/Kg-dry 1	01/23/06 14:04
Chromium		19	1.1	0.14	mg/Kg-dry 1	01/23/06 14:04
Cobait		3.8 J	5.7	0.12	mg/Kg-dry 1	01/23/06 14:04
Copper		40	1.1	0.19	mg/Kg-dry 1	01/23/06 14:04
Iron		29000	5.7	0.45	mg/Kg-dry 1	01/23/06 14:04
Lead		14	0.57	0.068	mg/Kg-dry 1	01/23/06 14:04
Magnesium		2400	110	0.80	mg/Kg-dry 1	01/23/06 14:04
Manganese		870	5.7	0.038	mg/Kg-dry 1	01/23/06 14:04
Nickel		12	5.7	0.15	mg/Kg-dry 1	01/23/06 14:04
Potassium		670	570	9.2	mg/Kg-dry 1	01/23/06 14:04
Selenium		0.54 J	0.57	0.28	mg/Kg-dry 1	01/23/06 14:04
Silver		0.12 J	1.1	0.092	mg/Kg-dry 1	01/23/06 14:04
Sodium		150	110	0.72	mg/Kg-dry 1	01/23/06 14:04
Thallium		0.92 J	1.1	0.24	mg/Kg-dry 1	01/23/06 14:04
Vanadium		18	5.7	0.092	mg/Kg-dry 1	01/23/06 14:04
Zinc		27	1.1	0.25	mg/Kg-dry 1	01/23/06 14:04

Oualifiers:	В	Analyte detected in the associated Method Blank	Ε	Value exceeds the instrument calibration range
Zanner at	н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

LSL 5	Life Science	way, Suite 200		nc.		_	ical Result
E	ast Syracuse, NY 130	)57 (315)	437-0200		Sta	ateCertNo	. 10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601050 WATER	eers, Inc.		Lab ID: Client San Collection Date Rece	ple ID: ] Date: 0	0601050-0 1/10 EO 01/10/06 1 01/12/06 0	UIP BLANK 6:00
Inst. ID: ColumnID: Revision:	ICAP 61E 01/25/06 8:22:44 A	Sample Size: %Moisture: TestCode:	50 mL 6010W05	PrepDate: BatchNo: FileID:	2	1/13/06 12 388/R429 -SAMP-10	3
Analyte		Result Qua		MDL	Units	DF	Date Analyzed
	ALS BY ICP			SW6010B		(SW3005	(A)
Aluminum		0.036 J	0.10	0.013	mg/L	`1	01/23/06 12:51
Antimony		ND	0.060	0.0023	mg/L	1	01/23/06 12:51
Arsenic	i -	ND	0.0050	0.0019	mg/L	1	01/23/06 12:51
Barium		0.00043 J	0.10	0.00031	mg/L	1	01/23/06 12:51
Beryllium	•	ND	0.010	0.00014	mg/L	1	01/23/06 12:51
Cadmium		0.00030 J	0.010	0.00027	mg/L	1	01/23/06 12:51
Calcium		0.045 J	1.0	0.014	mg/L	1	01/23/06 12:51
Chromium		ND	0.010	0.0013	mg/L	1	01/23/06 12:51
Cobalt		ND	0.050	0.0012	mg/L	1	01/23/06 12:51
Соррег		ND	0.010	0.0016	mg/L	1	01/23/06 12:51
Iron		ND	0.050	0.0053	mg/L	1	01/23/06 12:51
ead		ND	0.0050	0.00084	mg/L	1	01/23/06 12:51
Magnesium		ND	1.0	0.011	mg/L	1	01/23/06 12:51
Manganese		ND	0.050	0.00018	mg/L	1	01/23/06 12:51
Nickel		0.0013 J	0.050	0.0012	mg/L	1	01/23/06 12:51
Polassium		ND	5.0	0.089	mg/L	1	01/23/06 12:51
Selenium		ND	0.0050	0.0022	mg/L	1	01/23/06 12:51
Silver		0.0015 J	0.010	0.00095	mg/L	1	01/23/06 12:51
Sodium		0.025 J	1.0	0.0050	mg/L	1	01/23/06 12:51
Thaliium		ND	0.010	0.0046	mg/L	1	01/23/06 12:51
Vanadium		ND	0.050	0.0014	mg/L	1	01/23/06 12:51
Zinc		ND	0.010	0.0017	mg/L	1	01/23/06 12:51

#### Life Science Laboratories, Inc.

		· · ·		
Oualifiers:	В	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
Quanner 3.	н	Holding times for preparation or analysis exceeded	l	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

LSL	Jife Science 000 Brittonfield Park	way, Suite 200		пс.		MIAIY L	ical Result	
E	ast Syracuse, NY 13	157 (315)	) 437-0200					
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engir Geneva Foundry 0601050 WATER	ers, Inc.		Lab ID:         0601050-007C           Client Sample ID:         1/11 EOUIP BLANK           Collection Date:         01/11/06 16:00           Date Received:         01/12/06 0:00				
Inst. ID: ColumnID: Revision:	ICAP 61E	Sample Size %Moisture: TestCode:			PrepDate: 0 BatchNo: 2		01/13/06 12:00 A 2388/R4293 1-SAMP-10913	
Analyte	01125/00 0.22.44 A	Result Qu		MDL	Units	DF	Date Analyzed	
	TALS BY ICP	······································		SW6010B	an a chuir a c	(SW3005	5A)	
Aluminum		0.034 J	0.10	0.013	mg/L	- 1	01/23/06 12:54	
Antimony		ND	0.060	0.0023	mg/L	1	01/23/06 12:54	
Arsenic		ND	0.0050	0.0019	mg/L	1	01/23/06 12:54	
Barium		ND	0.10	0.00031	mg/L	1	01/23/06 12:54	
Beryllium		ND	0.010	0.00014	mg/L	1	01/23/06 12:54	
Cadmium		ND	0.010	0.00027	mg/L	1	01/23/06 12:54	
Calcium		0.026 J	1.0	0.014	mg/L	1	01/23/06 12:54	
Chromium		ND	0.010	0.0013	mg/L	1	01/23/06 12:54	
Cobalt		ND	0.050	0.0012	mg/L	1	01/23/06 12:54	
Copper		ND	0.010	0.0016	mg/L	1	01/23/06 12:54	
ron		ND	0.050	0.0053	mg/L	1	01/23/06 12:54	
ead		ND	0.0050	0.00084	mg/L	1	01/23/06 12:54	
Magnesium		ND	1.0	0.011	mg/L	1	01/23/06 12:54	
Manganese		ND	0.050	0.00018	mg/L	1	01/23/06 12:54	
Nickel		ND	0.050	0.0012	mg/L	1	01/23/06 12:54	
Potassium		ND	5.0	0.089	mg/L	1.	01/23/06 12:54	
Selenium		ND	0.0050	0.0022	mg/L	1 • .	01/23/06 12:54	
Silver		ND	0.010	0.00095	mg/L	1	01/23/06 12:54	
Sodium		0.0059 J	1.0	0.0050	mg/L	1	01/23/06 12:54	
Thallium		ND	0.010	0.0046	mg/L	1	01/23/06 12:54	
Vanadium		ND	0.050	0.0014	mg/L	1	01/23/06 12:54	
Zinc		ND	0.010	0.0017	mg/L	1	01/23/06 12:54	

#### Life Science Laboratories, Inc.

Qualifiers:	В	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

	Life Science		[nc.	e. Analytical Result					
	ast Syracuse, NY 130	<b>)</b> 57 (315) 4	37-0200		StateCertNo: 10155				
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601060 SOIL	eers, Inc.	Collectio	Lab ID:         0601060-001B           Client Sample ID:         BH-30-S           Collection Date:         01/11/06 16:35           Date Received:         01/12/06 15:35					
Inst. ID: ColumnID: Revision:	ICAP 61E 01/25/06 8:22:44 A	Sample Size: ( %Moisture: 2 TestCode: 6		PrepDat BatchNo FileID:		3			
Analyte	······································	Result Qual	PQL	MDL	Units DF	Date Analyzed			
TOTAL METALS BY ICP				SW6010B	(SW3050	)B)			
Aluminum		4900	63	9.6	mg/Kg-dry 5	01/23/06 18:13			
Antimony		3.3 J	38	1.2	mg/Kg-dry 5	01/23/06 18:13			
Arsenic		13	3.2	1.4	mg/Kg-dry 5	01/23/06 18:13			
Barium		260	63	0.21	mg/Kg-dry 5	01/23/06 18:13			
Beryllium		0.28 J	6.3	0.030	mg/Kg-dry 5	01/23/06 18:13			
Cadmium		2.6 J	6.3	0.15	mg/Kg-dry 5	01/23/06 18:13			
Calcium		47000	630	8.6	mg/Kg-dry 5	01/23/06 18:13			
Chromium		70	6.3	0.79	mg/Kg-dry 5	01/23/06 18:13			
Cobalt		6.2 J	32	0.68	mg/Kg-dry 5	01/23/06 16:13			
Copper		150	6.3	1.0	mg/Kg-dry 5	01/23/06 18:13			
Iron		67000	32	2.5	mg/Kg-dry 5	01/23/06 16:13			
Lead		590	3.2	0.38	mg/Kg-dry 5	01/23/06 18:13			
Magnesium		6300	630	4.4	mg/Kg-dry 5	01/23/06 18:13			
Manganese		550	32	0.21	mg/Kg-dry 5	01/23/06 18:13			
Nickel		50	32	0.82	mg/Kg-dry 5	01/23/06 18:13			
Potassium		850 J	3200	51	mg/Kg-dry 5	01/23/06 18:13			
Selenium		ND	3.2	1.5	mg/Kg-dry 5	01/23/06 18:13			
Silver		0.71 J	6.3	0.51	mg/Kg-dry 5	01/23/06 18:13			
Sodium		220 J	630	4.0	mg/Kg-dry 5	01/23/06 18:13			
Thallium		ND	6.3	1.3	mg/Kg-dry 5	01/23/06 18:13			
Vanadium		28 J	32	0.50	mg/Kg-dry 5	01/23/06 18:13			
Zinc		610	6.3	1.4	mg/Kg-dry 5	01/23/06 18:13			

#### NOTES:

\* The reporting limits were raised due to sample matrix interference.

 Qualifiers:
 B
 Analyte detected in the associated Method Blank
 E
 Value exceeds the instrument calibration range

 H
 Holding times for preparation or analysis exceeded
 J
 Analyte detected below the PQL

 ND
 Not Detected at the Practical Quantitation Limit (PQL)
 P
 Prim./Conf. column %D or RPD exceeds limit

 S
 Spike Recovery outside accepted recovery limits
 S
 Spike Recovery limits

# LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

CI IFAT.	O'Drive & Come English	a ana Tura		Т Ь Т <b>П</b> .			<b>13D</b>	
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601060 SOIL	eers, Inc.		Client Sa Collection	Lab ID:       0601060-002B         Client Sample ID:       BH-32-S         Collection Date:       01/12/06 10:15         Date Received:       01/12/06 15:35			
Inst. ID: ColumnID: Revision:	ICAP 61E 01/25/06 8:22:44 A	Sample Size: %Moisture: TestCode:	-	PrepDate BatchNo: FileID:	; 2	1/19/06 12: 421/R4293 -SAMP-109		
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyze	
TOTAL MET	ALS BY ICP	,		SW6010B		(SW3050E	3)	
Aluminum		12000	12	1.9	mg/Kg-	dry 1	01/23/06 14:11	
Antimony		0.89 J	7.5	0.24	mg/Kg-	dry 1	01/23/06 14:11	
Arsenic		11	0.62	0.27	mg/Kg-	dry 1	01/23/06 14:11	
Barium		110	12	0.042	mg/Kg-	dry 1	01/23/06 14:11	
Beryilium		0.59 J	1.2	0.0060	mg/Kg-	dry 1	01/23/06 14:11	
Cadmium		0.32 J	1.2	0.029	mg/Kg-	dry 1	01/23/06 14:11	
Calcium		35000	120	1.7	mg/Kg-	dry 1	01/23/06 14:11	
Chromium		23	1.2	0.16	mg/Kg-i	dry 1	01/23/06 14:11	
Cobalt	·	8.4	6.2	0.13	mg/Kg-	dry 1	01/23/06 14:11	
Copper		61	1.2	0.20	mg/Kg⊣	dry 1	01/23/06 14:11	
Iron		59000	6.2	0.49	mg/Kg-	dry 1	01/23/06 14:11	
Lead		150	0.62	0.074	mg/Kg⊣	dry 1	01/23/06 14:11	
Magnesium		6600	120	0.87	mg/Kg⊣	dry 1	01/23/06 14:11	
Manganese		580	6.2	0.042	mg/Kg⊣	dry 1	01/23/06 14:11	
Nickel		22	6.2	0.16	mg/Kg-	dry 1	01/23/06 14:11	
Potassium		1800	620	10	mg/Kg⊣	dry 1	01/23/06 14:11	
Selenium		2.3	0.62	0.30	mg/Kg-4	dry 1	01/23/06 14:11	
Silver		0.12 J	1.2	0.10	mg/Kg⊣	dry 1	01/23/06 14:11	
Sodium		150	120	0.78	mg/Kg⊣	dry 1	01/23/06 14:11	
Thallium		1.2	1.2	0.26	mg/Kg⊣	dry 1	01/23/06 14:11	
Vanadium		38	6.2	0.099	mg/Kg⊣	dry 1	01/23/06 14:11	
Zinc		1100 E	1.2	0.27	mg/Kg⊣	dry 1	01/23/06 14:11	

<b>Oualifiers:</b>	В	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	
•	Н	Holding times for preparation or analysis exceeded	I	Analyte detected below the PQL	
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit	
	S	Spike Recovery outside accepted recovery limits			

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**Analytical Results** 

E E	ast Syracuse, NY 130	57 (315	5) 437-0200		S	tateCertNo:	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601060 SOIL	eers, Inc.		Lab ID: Client Sampl Collection D: Date Receive	ate:	<b>0601060-00</b> <b>BH-32-S</b> 01/12/06 10:1 01/12/06 15:3	15
Inst. ID: ColumnID: Revision:	ICAP 61E 01/25/06 8:22:44 A	Sample Size %Moisture TestCode:	-	PrepDate: BatchNo: FileID:		01/19/06 12:0 2421/R4293 1-DL-10997	10 A
Analyte		Result Q	ual PQL	MDL	Units	DF	Date Analyzed
TOTAL MET	ALS BY ICP	1200	6.2	SW6010B 1.4	ma/Ka	(SW3050B) I-dry 5	01/23/06 18:17

Qualifiers:

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

LSL 50	Life Science 000 Brittonfield Parky ast Syracuse, NY 130	vay, Suite 200	) 437-0200		StateCertNo	ical Result			
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601060 SOIL	eers, Inc.		Collectio	Lab ID:         0601060-003B           Client Sample ID:         BH-32-D           Collection Date:         01/12/06 10:30           Date Received:         01/12/06 15:35				
Inst. ID: ColumnID: Revision:	ICAP 61E 01/25/06 8:22:44 A	Sample Size %Moisture: TestCode:	-	PrepDate BatchNo FileID:		3			
Analyte		Result Qu	al PQL	MDL	Units DF	Date Analyzed			
TOTAL MET	ALS BY ICP			SW6010B	(SW3050	в)			
Aluminum		6100	12	1.8	mg/Kg-dry 1	01/23/06 14:15			
Antimony		0.25 J	7.1	0.22	mg/Kg-dry 1	01/23/06 14:15			
Arsenic		5.9	0.59	0.26	mg/Kg-dry 1	01/23/06 14:15			
Barium		. 64	12	0.040	mg/Kg-dry 1	01/23/06 14:15			
Beryllium		0.36 J	1.2	0.0057	mg/Kg-dry 1	01/23/06 14:15			
Cadmium		0.25 J	1.2	0.028	mg/Kg-dry 1	01/23/06 14:15			
Calcium		6900	120	1.6	mg/Kg-dry 1	01/23/06 14:15			
Chromium		9.3	1.2	0.15	mg/Kg-dry 1	01/23/06 14:15			
Cobait		4.1 J	5.9	0.13	mg/Kg-dry 1	01/23/06 14:15			
Copper		43	1.2	0.19	mg/Kg-dry 1	01/23/06 14:15			
ron		18000	5.9	0.46	mg/Kg-dry 1	01/23/06 14:15			
.ead		40	0.59	0.070	mg/Kg-dry 1	01/23/06 14:15			
Magnesium		2700	120	0.82	mg/Kg-dry 1	01/23/06 14:15			
Manganese		260	5.9	0.039	mg/Kg-dry 1	01/23/06 14:15			
Nickel		8.7	5.9	0.15	mg/Kg-dry 1	01/23/06 14:15			
Potassium		820	590	9.5	mg/Kg-dry 1	01/23/06 14:15			
Selenium		0.58 J	0.59	0.28	mg/Kg-dry 1	01/23/06 14:15			
Silver		0.20 J	1.2	0.095	mg/Kg-dry 1	01/23/06 14:15			
Sodium	•	100 J	120	0.74	mg/Kg-dry 1	01/23/06 14:15			
Thallium		0.67 J	1.2	0.25	mg/Kg-dry 1	01/23/06 14:15			
Vanadium		. 18	5.9	0.094	mg/Kg-dry 1	01/23/06 14:15			
Zinc		89	1.2	0.26	mg/Kg-dry 1	01/23/06 14:15			

#### Life Science Laboratories Inc

Analytical Results

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Օս	alifi	ers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- Value exceeds the instrument calibration range Е
- Analyte detected below the PQL Ĵ.
- ND Not Detected at the Practical Quantitation Limit (PQL) S Spike Recovery outside accepted recovery limits
- Prim./Conf. column %D or RPD exceeds limit P

	Life Science ]		Inc.	Analytical Result				
E	ast Syracuse, NY 130	57 (315	) 437-0200		Sta	teCertNo	<b>b:</b> 10155	
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601060 SOIL			Lab ID: Client Sar Collection Date Rece	nple ID: <u>B</u> Date: 01 ived: 01	501060-( <i>H-33-S</i> 1/12/06 10 1/12/06 11	0:45 5:35	
Inst. ID: ColumnID: Revision:	ICAP 61E 01/25/06 8:22:44 A	Sample Size %Moisture: TestCode:		PrepDate BatchNo: FileID:	24	/19/06 12 21/R429 SAMP-10	3 .	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed	
TOTAL MET	ALS BY ICP			SW6010B		(SW3050	(8)	
Aluminum		6500	12	1.8	mg/Kg-dr	y 1	01/23/06 14:18	
Antimony		3.4 J	7.0	0.22	mg/Kg-dr	у 1	01/23/06 14:18	
Arsenic		10	0.59	0.26	mg/Kg-di	у 1	01/23/06 14:18	
Barium		. 77	12	0.039	mg/Kg-di	у 1	01/23/06 14:18	
Beryllium		0.33 J	1.2	0.0056	mg/Kg-di	y 1	01/23/06 14:18	
Cadmium		0.43 J	1.2	0.027	mg/Kg-di	у 1	01/23/06 14:18	
Calcium		48000	120	1.6	mg/Kg-di	y 1	01/23/06 14:18	
Chromium		18	1.2	0.15	mg/Kg-di	у 1	01/23/06 14:18	
Cobalt		3.8 J	5.9	0.13	mg/Kg-di	y 1 👘	01/23/06 14:18	
Соррег		41	1.2	0.19	mg/Kg-di	у 1	01/23/06 14:18	
Iron		48000	5.9	0.46	mg/Kg-di	y 1	01/23/06 14:18	
Lead		170	0.59	0.070	mg/Kg-di	y 1	01/23/06 14:18	
Magnesium		5900	120	0.82	mg/Kg-di	-	01/23/06 14:18	
Manganese		460	5.9	0.039	mg/Kg-di	y 1	01/23/06 14:18	
Nickel		12	5.9	0.15	mg/Kg-di	-	01/23/06 14:18	
Potassium		1200	590	9.4	mg/Kg-dr	-	01/23/06 14:18	
Selenium		1.7	0.59	0.28	mg/Kg-di		01/23/06 14:18	
Silver		0.15 J	1.2	0.094	mg/Kg-di		01/23/06 14:18	
Sodium		120	120	0.74	mg/Kg-di	y 1	01/23/06 14:18	
Thallium		0.49 J	1.2	0.25	mg/Kg-di	•	01/23/06 14:18	
Vanadium		18	5.9	0.094	mg/Kg-dr		01/23/06 14:18	
Zinc		240	1.2	0.26	mg/Kg-di	у1 –	01/23/06 14:18	

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Qualifiers:	В	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
Zuenner or	н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

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### LSL 5000 Brittonfield Parkway, Suite 200

### **Analytical Results**

E	ast Syracuse, NY 130		StateCertNo: 10155				
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.	· · · · · · · · · · · · · · · · · · ·	Lab ID: Client Samp Collection D Date Receive	ate:	0601049-001 BH-20-S 01/11/06 7:55 01/12/06 7:50	
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size: ( %Moisture: ) TestCode: )	-	PrepDate: BatchNo: FileID:		01/16/06 2:45 2396/R4230 1-SAMP-	P
Analyte		Result Qua	I PQL	MDL	Units	DF	Date Analyzed
MERCURY Mercury		0.43	0.11	SW7471A 0.0026	mg/Kg	<b>(SW7471A)</b> g-dry 1	01/16/06 18:07

Qualifiers:

- Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- Spike Recovery outside accepted recovery limits
- Value exceeds the instrument calibration range Е
- J Analyte detected below the PQL
- Prim./Conf. column %D or RPD exceeds limit P
- S

В

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**Analytical Results** 

E	ast Syracuse, NY 130	57 (315		StateCertNo: 10155				
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.	<u>andri 1, to 18</u>	Lab ID: Client Samp Collection D Date Receive	ate:	<b>0601049-00</b> <i>BH-20-D</i> 01/11/06 8:05 01/12/06 7:50	5	
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:		01/16/06 2:45 2396/R4230 1-SAMP-	P	
Analyte		Result Qu	ial PQL	MDL	Units	DF	Date Analyzed	
MERCURY Mercury		0.086 J	0.12	SW7471A 0.0026	mg/Kç	<b>(SW7471A)</b> g-dry 1	01/16/06 18:09	

Qualifiers:	B	Analyte detected in the associated Method Blank	Е	Value exceeds the instrument calibration range
-	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		,

### LSL 5000 Brittonfield Parkway, Suite 200

**Analytical Results** 

E	ast Syracuse, NY 130	57 (315)	437-0200	مى يەرىپى بىرىكى بى	. S	stateCertNo:	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receive	ate:	<b>0601049-00</b> <b><i>BH-20-D</i></b> 01/11/06 8:03 01/12/06 7:50	5
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 12:03:45 P	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: FileID:		01/16/06 2:45 2396/R4231 1-RA-	5 P
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qua	l PQL	MDL	Units	DF	Date Analyzed
MERCURY Mercury		0.082 J	0.12	SW7471A 0.0026	mg/Kg	(SW7471A) g-dry 1	) 01/17/06 13:24

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range Ε

- Analyte detected below the PQL ł
- Р Prim./Conf. column %D or RPD exceeds limit

#### **Analytical Results**

	ast Syracuse, NY 130		437-0200		5	stateCertNo: 1	0155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	ers, Inc.		Lab ID: Client Samp Collection D Date Receive	ate:	0601049-003 BH-21-S 01/10/06 15:11 01/12/06 7:50	
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size: %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:	-	01/16/06 2:45 2396/R4230 1-SAMP-	P
Analyte	······	Result Qu	al PQL	MDL	Unit	s DF	Date Analyzed
	· ·	0.11 J	0.12	SW7471A 0.0027	mg/K	(SW7471A) g-dry 1	01/16/06 18:21

Qualifiers:

- Analyte detected in the associated Method Blank В H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range Ε

Analyte detected below the PQL J

Prim./Conf. column %D or RPD exceeds limit Р

#### **Analytical Results**

E	ast Syracuse, NY 130	57 (315) 4	437-0200		S	stateCertNo:	10155
CLIENT: Project:	O'Brien & Gere Engin Geneva Foundry	eers, Inc.		Lab ID: Client Samp	ole ID:	0601049-0( BH-21-D	)4B
W Order:	0601049			Collection E	Date:	01/10/06 15:	25
Matrix:	SOIL			Date Receiv	ed:	01/12/06 7:5	0
Inst. ID:	FIMS 100	Sample Size: (	).3 g	PrepDate:		01/16/06 2:4:	5 P
ColumnID:		%Moisture: 1	15.0	BatchNo:		2396/R4230	
Revision:	01/18/06 11:49:01 A	TestCode: I	HG7471S	FileID:		1-SAMP-	
Analyte		Result Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A	)
Mercury		0.060 J	0.12	0.0027	mg/Kg	-dry 1	01/16/06 18:23

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Е Value exceeds the instrument calibration range
- J Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit Р

### **Analytical Results**

E	ast Syracuse, NY 130	57 (315	) 437-0200			StateCertl	No: 1	0155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	eers, Inc.	<b>, , , , , , , , , , , , , , , , , , , </b>	Lab ID: Client Sam Collection I Date Receiv	Date:	<b>0601049</b> <b>BH-22-</b> 01/10/06 01/12/06	<b>S</b> 13:00	
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:		01/16/06 2396/R42 1-SAMP-	30	P
Analyte	- -	Result Q1	ial PQL	MDL	Unit	s DF		Date Analyzed
MERCURY Mercury		0.39	0.12	SW7471A 0.0027	mg/K	<b>(SW74</b> ' g-dry 1	71A)	01/16/06 18:25

	•			
<b>Oualifiers:</b>	В	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
•	Η	Holding times for preparation or analysis exceeded	1	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

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### Life Science Laboratories, Inc.

#### **Analytical Results**

Project: W Order:	Geneva Foundry 0601049		Client Sample Collection Dat	te: (	<b>BH-22-D</b> 01/10/06 13:20 01/12/06 7:50	)
Matrix: Inst. ID: ColumnID:		Sample Size: 0.3 g %Moisture: 14.3	Date Received PrepDate: BatchNo:	( 2	01/16/06 2:45 I 2396/R4230	b .
Revision: Analyte	01/18/06 11:49:01 A	TestCode: HG7471 Result Qual PQL		Units	I-SAMP- DF	Date Analyze

- B Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Value exceeds the instrument calibration range Е
- Analyte detected below the PQL l
- Prim./Conf. column %D or RPD exceeds limit p

#### **Analytical Results**

E	ast Syracuse, NY 130	57 (315	) 437-0200	·	8	StateCertNo: 1	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receiv	Date:	0601049-007 BH-23-S 01/10/06 14:0 01/12/06 7:50	0
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:		01/16/06 2:45 2396/R4230 1-SAMP-	P
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
MERCURY Mercury		0.11	0.11	SW7471A 0.0025	mg/K	<b>(SW7471A)</b> g-dry 1	01/16/06 18:29

#### Qualifiers:

B Analyte detected in the associated Method Blank

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range Ë

J Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit Ρ

#### **Analytical Results**

E	ast Syracuse, NY 130	57 (315	5) 437-0200		5	StateCertNo:	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601049 SOIL	eers, Inc.	*****	Lab ID: Client Samp Collection I Date Receiv	)ate:	<b>0601049-00</b> <b>BH-24-S</b> 01/11/06 9:4 01/12/06 7:5	0
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size %Moisture TestCode:	•	PrepDate: BatchNo: FileID:		01/16/06 2:43 2396/R4230 1-SAMP-	5 P
Analyte		Result Q	ual PQL	MDL	Units	DF	Date Analyzed
		0.46	0.12	SW7471A 0.0029	mg/K	(SW7471A) -dry 1	) 01/16/06 18:31

Qualifiers:

Analyte detected in the associated Method Blank

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Ε Value exceeds the instrument calibration range
- Analyte detected below the PQL J
- Prim./Conf. column %D or RPD exceeds limit Р

В

### Life Science Laboratories, Inc.

### **Analytical Results**

Analyte MERCURY		Result Qual P		MDL SW7471A	Units	DF (SW7471A)	Date Analyzed
Revision:	01/18/06 11:49:01 A		74715	FileID:	TT*4-	1-SAMP-	Dete Analama
ColumnID:	01/20/05 11 10 01 1	%Moisture: 28.	-	BatchNo:		2396/R4230	
Inst. ID:	FIMS 100	Sample Size: 0.3	g	PrepDate:		01/16/06 2:45	P
Matrix:	SOIL			Date Receive	:d:	01/12/06 7:50	
W Order:	0601049			Collection D	ate:	01/11/06 9:50	
Project:	Geneva Foundry			Client Samp	le ID:	BH24-D	
CLIENT:	O'Brien & Gere Engine	eers, Inc.		Lab ID:		0601049-009	В

Qualifiers:

B Analyte detected in the associated Method BlankH Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

**Analytical Results** 

1 5000 Brittonfield Parkway, Suite 200		5000 Brittonfield Parkway, Suite 200	j
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E	ast Syracuse, NY 130	57 (315	i) <b>437-020</b> 0			stateCertNo:	10155
CLIENT: Project:	O'Brien & Gere Engin Geneva Foundry	eers, Inc.		Lab ID: Client Samp	le ID:	0601049-01 BH-25-S	0B
W Order:	0601049			Collection D	1 A A A A A A A A A A A A A A A A A A A	01/11/06 12:	-
Matrix:	SOIL			Date Receiv		01/12/06 7:5	
Inst. ID:	FIMS 100	Sample Size	e: 0.3 g	PrepDate:		01/16/06 2:4:	5 P
ColumnID:	•	%Moisture	: 19.1	BatchNo:		2396/R4230	
Revision:	01/18/06 11:49:01 A	TestCode:	HG7471S	FileID:		1-SAMP-	
Analyte		Result Q	ual PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A	}
Mercury		1.2	0.12	0.0028	mg/Kç	g-dry 1	01/16/06 18:35

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Value exceeds the instrument calibration range Ε
- Analyte detected below the PQL J
- Prim/Conf. column %D or RPD exceeds limit Р

# LSL 5000 Brittonfield Parkway, Suite 200

### **Analytical Results**

Е	ast Syracuse, NY 130	57 (315)	) 437-0200		S	tateCertNo:	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receive	ate:	0601049-011 BH-25-D 01/11/06 12:2 01/12/06 7:50	0
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:		01/16/06 2:45 2396/R4230 1-SAMP-	P
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
		0.52	0.12	SW7471A 0.0029	mg/Kg	(SW7471A) j-dry 1	01/16/06 18:37

Qualifiers:

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Е Value exceeds the instrument calibration range
- Analyte detected below the PQL J
- Prim./Conf. column %D or RPD exceeds limit P

- - Project Supervisor: Thomas A. Alexander

В

#### **Analytical Results** Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200 StateCertNo: 10155 East Syracuse, NY 13057 (315) 437-0200 Lab ID: CLIENT: O'Brien & Gere Engineers, Inc. 0601049-012B Client Sample ID: **Project:** Geneva Foundry BH-26-S 01/11/06 12:35 W Order: 0601049 **Collection Date:** Date Received: 01/12/06 7:50 Matrix: SOIL **PrepDate:** 01/16/06 2:45 P Inst. ID: **FIMS 100** Sample Size: 0.3 g 2396/R4230 BatchNo: ColumnID: %Moisture: 12.7 1-SAMP-FileID: **Revision:** 01/18/06 11:49:01 A TestCode: HG7471S Units DF **Date Analyzed** MDL Analyte **Result Qual PQL**

MERCURY			SW7471A	(SW7471A)		
Mercury	0.039 J	0.11	0.0026	mg/Kg-dry 1	01/16/06 18:43	

Qualifiers:

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded

H Holding times for preparation or analysis exceeded
 ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

#### **Analytical Results**

E	ast Syracuse,NY 130	57 (315)	437 <b>-02</b> 00		S	tateCertNo	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Sampl Collection Date Receive	ate:	0601049-0 BH-27-S 01/11/06 13 01/12/06 7::	:40
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: FileID:		01/16/06 2:4 2396/R4230 1-SAMP-	
Analyte		Result Qua	I PQL	MDL	Units	DF	Date Analyzed
MERCURY Mercury		0.057 J	0.13	SW7471A 0.0030	mg/Kg	(SW7471/ j-dry 1	<b>4)</b> 01/16/06 18:45

Qualifiers:

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- Spike Recovery outside accepted recovery limits S

Value exceeds the instrument calibration range Ε

- J Analyte detected below the PQL
- Prim./Conf. column %D or RPD exceeds limit Ρ

В

### Life Science Laboratories, Inc.

#### **Analytical Results**

		0.39	0.13	SW7471A 0.0029	ma/Ke	(SW7471A) g-dry 1	01/16/06 18:47
Analyte	·····	Result Qu	al PQL	MDL	Units	DF	Date Analyze
ColumnID: Revision:		%Moisture: TestCode:		BatchNo: FileID:		2396/R4230 1-SAMP-	
Inst. ID:	FIMS 100	Sample Size:	0.3 g	PrepDate:		01/16/06 2:45	P
Matrix:	SOIL			Date Receiv	ed:	01/12/06 7:50	
W Order:	0601049			Collection I		01/11/06 13:5:	
Project:	Geneva Foundry			Client Sam	ole ID:	BH-27-D	
CLIENT:	O'Brien & Gere Engine	eers, Inc.		Lab ID: 0601049-014B			
	ast Syracuse, NY 130		437-0200	Lah M•	5	StateCertNo: 1	

Qualifiers:

В

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

Project Supervisor: Thomas A. Alexander

### **Analytical Results**

	ast Syracuse, NY 130		6) 437-0200		5	StateCertNo:	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receiv	ate:	0601049-015 BH-28-S 01/11/06 15:1 01/12/06 7:50	0
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size %Moisture TestCode:	_	PrepDate: BatchNo: FileID:		01/16/06 2:45 2396/R4230 1-SAMP-	P
Analyte		Result Q	ual PQL	MDL	Units	5 DF	Date Analyzed
MERCURY Mercury		0.16	0.11	SW7471A 0.0026	mg/Kg	<b>(SW7471A)</b> g-dry 1	01/16/06 18:49

- Analyte detected in the associated Method Blank в Holding times for preparation or analysis exceeded
- Ħ ND Not Detected at the Practical Quantitation Limit (PQL)
- Value exceeds the instrument calibration range Ε
- Analyte detected below the PQL J
- Prim./Conf. column %D or RPD exceeds limit Р
- S Spike Recovery outside accepted recovery limits

### **Analytical Results**

E	ast Syracuse, NY 130	57 (315	) 437-0200	StateCertNo: 10155				
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receive	ate:	0601049-01 BH-28-D 01/11/06 15:2 01/12/06 7:50	20	
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size %Moisture TestCode:	-	PrepDate: BatchNo: FileID:		01/16/06 2:45 2396/R4230 1-SAMP-	5 P	
Analyte		Result Qu	ual PQL	MDL	Units	DF	Date Analyzed	
MERCURY Mercury		0.29	0.12	SW7471A 0.0029	mg/Kç	(SW7471A) g-dry 1	) 01/16/06 18:51	

Qualifiers:

B Analyte detected in the associated Method Blank

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Ε Value exceeds the instrument calibration range
- Analyte detected below the PQL J
- P Prim./Conf. column %D or RPD exceeds limit

### **Analytical Results**

Е	ast Syracuse,NY 130	57 (315)	437-0200	<b></b>	S	tateCertNo	: 10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receive	ate:	0601049-0 BH-29-S 01/11/06 10 01/12/06 7:	5:05
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size: %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:		01/16/06 2: 2 <b>3</b> 96/R4230 1-SAMP-	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
		0.042 J	0.11	SW7471A 0.0026	mg/Kg	(SW7471 J-dry 1	A) 01/16/06 18:53

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- Value exceeds the instrument calibration range Е
- Analyte detected below the PQL J
- Prim./Conf. column %D or RPD exceeds limit P
- Spike Recovery outside accepted recovery limits S

Print Date: 01/26/06 15:59

### Life Science Laboratories, Inc.

**Analytical Results** 

E	ast Syracuse, NY 130	57 (315)	437-0200	· · · · · · · · · · · · · · · · · · ·		stateCertNo:	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Samp Collection I Date Receiv	)ate:	0601049-018 BH-29-D 01/11/06 16:2 01/12/06 7:50	0
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size: %Moisture: TestCode:	~	PrepDate: BatchNo: FileID:		01/16/06 2:45 2396/R4230 1-SAMP-	P
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
		0.24	0.13	SW7471A 0.0029	mg/K	(SW7471A) g-dry 1	01/16/06 18:55

Oualifiers:	

- B Analyte detected in the associated Method Blank
   H Holding times for preparation or analysis exceeded
   ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim /Conf. column %D or RPD exceeds limit

**Analytical Results** 

Е	ast Syracuse, NY 130	57 (315) 4	<b>37-0200</b>	<u></u>	Ś	stateCertNo: 1	0155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receive	ate:	0601049-019 BH-34-S 01/11/06 14:3 01/12/06 7:50	0
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size: 0 %Moisture: 1 TestCode: F	-	PrepDate: BatchNo: FileID:		01/16/06 2:45 2396/R4230 1-SAMP-	P
Analyte	•	Result Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY Mercury		0.12 J	0.12	SW7471A 0.0028	mg/Kç	<b>(SW7471A)</b> J-dry 1	01/16/06 18:57

Qualifiers:

B Analyte detected in the associated Method Blank

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

#### **Analytical Results**

E	ast Syracuse, NY 130	57 (315)	437-0200	StateCertNo: 10155					
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601049 SOIL	eers, Inc.		Lab ID: Client Sampl Collection D Date Receive	a te:	0601049-020 BH-34-D 01/11/06 14:4 01/12/06 7:50	0		
Inst. ID: ColumnĮD: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size: %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:		01/16/06 2:45 2396/R4230 1-SAMP-	P		
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed		
MERCURY		0.018 J	0.11	SW7471A 0.0025	mg/Kg	(SW7471A) g-dry_1	01/16/06 18:59		

Qualifiers:

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Ε Value exceeds the instrument calibration range
- Analyte detected below the PQL J
- Prim./Conf. column %D or RPD exceeds limit P

B

#### **Analytical Results** Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 StateCertNo: 10155 (315) 437-0200 CLIENT: O'Brien & Gere Engineers, Inc. Lab ID: 0601050-001B Client Sample ID: BH-37 **Project:** Geneva Foundry 01/11/06 8:30 W Order: 0601050 **Collection Date:** Date Received: 01/12/06 0:00 Matrix: SOIL PrepDate: 01/16/06 2:45 P Inst. ID: **FIMS 100** Sample Size: 0.3 g 2395/R4230 BatchNo: ColumnID: %Moisture: 16.0 1-SAMP-**Revision:** FileID: 01/18/06 11:49:01 A TestCode: HG7471S

21011010110	01110/0011119:0111	10000000	11071710				
Analyte		Result Qu	ial PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A	-	(SW7471	A)
Mercury		0.14	0.12	0.0027	mg/Kg-d	ry 1	01/16/06 17:34

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- Project Supervisor: Thomas A. Alexander

#### **Analytical Results**

E	ast Syracuse, NY 130	57 (315) 4	37-0200		S	tateCertNo: 1	0155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601050 SOIL	eers, Inc.		Lab ID: Client Sampl Collection D Date Receive	ate:	0601050-002 BH-35-S 01/11/06 8:55 01/12/06 0:00	
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size: () %Moisture:   TestCode:  }	_	PrepDate: BatchNo: FileID:		01/16/06 2:45 2395/R4230 1-SAMP-	P
Analyte		Result Qual	PQL	MDL	Units	DF	Date Analyzed
		0.037 J	0.12	SW7471A 0.0028	mg/Kg	(SW7471A) g-dry 1	01/16/06 17:42

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Е Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

#### **Analytical Results**

E	ast Syracuse, NY 130	•	437-0200	StateCertNo: 10155				
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601050 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receive	ate:	<b>0601050-00</b> <b>BH-35-D</b> 01/11/06 9:0 01/12/06 0:0	5	
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size: ( %Moisture: 2 TestCode: 1	-	PrepDate: BatchNo: FileID:		01/16/06 2:45 2395/R4230 1-SAMP-	5 P	
Analyte		Result Qua	I PQL	MDL	Units	DF	Date Analyzed	
MERCURY Mercury		0.060 J	0.13	SW7471A 0.0029	mg/Kç	<b>(SW7471A</b> g-dry 1	) 01/16/06 17:44	

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded ND Not Detected at the Practical Quantitation Limit (PQL)
- G G-il- Decessor esteide coorted coortes limite
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- S Spike Recovery outside accepted recovery limits

#### **Analytical Results**

E	ast Syracuse, NY 130	StateCertNo: 10155					
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601050 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receiv	)ate:	0601050-004 BH-36-S 01/10/06 14:2 01/12/06 0:00	0
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size: %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:		01/16/06 2:45 2395/R4230 1-SAMP-	P
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
MERCURY Mercury		0.018 J	0.10	SW7471A 0.0024	mg/K	<b>(SW7471A)</b> g-dry 1	01/16/06 17:47

- Analyte detected in the associated Method Blank В H Holding times for preparation or analysis exceeded
- Value exceeds the instrument calibration range Е
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- Prim./Conf. column %D or RPD exceeds limit P
- S Spike Recovery outside accepted recovery limits

#### **Analytical Results**

F	ast Syracuse, NY 130	•	) 437-0200		S	tateCertNo:	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601050 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receive	ate:	0601050-00 BH-36-D 01/10/06 14:: 01/12/06 0:00	30
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:		01/16/06 2:45 2395/R4230 1-SAMP-	5 P
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
	·	0.075 J	0.11	SW7471A 0.0026	mg/Kg	<b>(SW7471A</b> ) -dry 1	) 01/16/06 17:49

- B Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded
- Н ND Not Detected at the Practical Quantitation Limit (PQL)
- Value exceeds the instrument calibration range Ε
- Analyte detected below the PQL J
- Prim./Conf. column %D or RPD exceeds limit Ρ
- S Spike Recovery outside accepted recovery limits

#### Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200 East Syracuse, NY 13057 (315) 437-0200 StateCertNo: 10155

### **Analytical Results**

CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601050 WATER	Lab ID: Client Sam Collection Date Recei	Date:	0601050-006C <i>1/10 EOUIP BLANK</i> 01/10/06 16:00 01/12/06 0:00			
Inst. ID: ColumnID: Revision:	FIMS 100 02/01/06 8:55:47 A	Sample Size: %Moisture: TestCode:		PrepDate: BatchNo: FileID:		01/17/06 12 2405/R4225 1-SAMP-	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
		ND	0.00020	SW7470A 0.000026	mg/L	<b>(SW7470</b> / 1	A) 01/17/06 15:25

Qualifiers:

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range Е

Analyte detected below the PQL J

Prim./Conf. column %D or RPD exceeds limit Ρ

S

### **Analytical Results**

East Syracuse, NY 13057 (315) 437-0200				StateCertNo: 10155				
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engir Geneva Foundry 0601050 WATER	neers, Inc.		Lab ID: Client Samp Collection D Date Receive	ate:	0601050-007 <i>1/11 EOUL</i> 01/11/06 16:0 01/12/06 0:00	P BLANK 0	
Inst. ID: ColumnID: Revision:	FIMS 100 02/01/06 8:55:47 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:		01/17/06 12:00 2405/R4225 1-SAMP-	0 A	
Analyte	***	Result Qu	ual PQL	MDL	Units	DF	Date Analyzed	
		ND	0.00020	SW7470A 0.000026	mg/L	(SW7470A) 1	01/17/06 15:27	

- B Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S
- Value exceeds the instrument calibration range Е
- Analyte detected below the PQL J
- P Prim./Conf. column %D or RPD exceeds limit
- Spike Recovery outside accepted recovery limits

### LSL 5000 Brittonfield Parkway, Suite 200

#### **Analytical Results**

F	ast Syracuse, NY 130	57 (315)	StateCertNo: 10155				
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601060 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receive	ate:	<b>0601060-0</b> <b><i>BH-30-S</i></b> 01/11/06 16: 01/12/06 15:	:35
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:		01/16/06 2:4 2395/R4230 1-SAMP-	
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
MERCURY Mercury		0.59	0.13	SW7471A 0.0029	mg/Kg	(SW7471A j-dry 1	<b>\)</b> 01/16/06 17:55

Qualifiers:

Analyte detected in the associated Method Blank B

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Ε Value exceeds the instrument calibration range

Analyte detected below the PQL J

Prim./Conf. column %D or RPD exceeds limit P

### **Analytical Results**

E	ast Syracuse, NY 130	StateCertNo: 10155					
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601060 SOIL	eers, Inc.		Lab ID: Client Samp Collection D Date Receive	ate:	<b>0601060-002</b> <b>BH-32-S</b> 01/12/06 10:1 01/12/06 15:3	5
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:		01/16/06 2:45 2395/R4230 1-SAMP-	P .
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
MERCURY Mercury		0.16	0.12	SW7471A 0.0029	mg/K	(SW7471A) g-dry 1	01/16/05 17:56

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- Value exceeds the instrument calibration range Έ
- Analyte detected below the PQL Ĵ
- P Prim./Conf. column %D or RPD exceeds limit

### Life Science Laboratories, Inc.

### **Analytical Results**

E	ast Syracuse, NY 130	57 (315) 437-0200		Sta	teCertNo: 1	0155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601060 SOIL	eers, Inc.	Lab ID: Client Sample D Collection Date: Date Received:	D: <u>F</u>	601060-003 3H-32-D 1/12/06 10:3 1/12/06 15:3	0
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size: 0.3 g %Moisture: 15.1 TestCode: HG7471S	PrepDate: BatchNo: FileID:	2	1/16/06 2:45 395/R4230 -SAMP-	P
Analyte		Result Qual PQL	MDL Ui	nits	DF	Date Analyzed
		0.093 J 0.12	<b>SW7471A</b> 0.0027 mg	g/Kg-⊲	(SW7471A) Iry 1	01/16/06 17:59

Qualifiers:

- Analyte detected in the associated Method Blank ₿
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- Spike Recovery outside accepted recovery limits S
- Έ Value exceeds the instrument calibration range
- Analyte detected below the PQL J
- Prim./Conf. column %D or RPD exceeds limit P

Project Supervisor: Thomas A. Alexander

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# Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200

# **Analytical Results**

E	ast Syracuse, NY 130	57 (315)	) 437-0200		S	stateCertNo: 1	0155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engine Geneva Foundry 0601060 SOIL	ers, Inc.		Lab ID: Client Samp Collection D Date Receive	ate:	<b>0601060-00</b> 4 <b>BH-33-S</b> 01/12/06 10:4 01/12/06 15:3	5
Inst. ID: ColumnID: Revision:	FIMS 100 01/18/06 11:49:01 A	Sample Size %Moisture: TestCode:	-	PrepDate: BatchNo: FileID:		01/16/06 2:45 2395/R4230 1-SAMP-	P
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
MERCURY Mercury		0.15	0.12	SW7471A 0.0027	mg/K	<b>(SW7471A)</b> g-dry 1	01/16/06 18:01

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

Value exceeds the instrument calibration range Ε

Analyte detected below the PQL J

Prim./Conf. column %D or RPD exceeds limit P

# Life Science Laboratories, Inc. 5000 Brittonfield Parkway, Suite 200

# **Analytical Results**

E	ast Syracuse, NY 130	)57 (315	) 437-0200		5	StateCertNo:	10155
CLIENT: Project: W Order: Matrix:	O'Brien & Gere Engin Geneva Foundry 0601149 WATER	eers, Inc.		Lab ID: Client Sam Collection Date Recei	Date:	0601149-00 <i>MW-01</i> 01/26/06 13: 01/27/06 8:3	00
Inst. ID: ColumnID: Revision:	FIMS 100 01/30/06 9:28:33 A	Sample Size %Moisture: TestCode:		PrepDate: BatchNo: FileID:		01/27/06 12:0 2501/R4364 1-SAMP-	00 A
Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
		0.00022	0.00020	SW7470A 0.000026	mg/Ľ	(SW7470A 1	) 01/27/06 17:50

Qualifiers:	В	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
-	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	Р	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Project Supervisor: Thomas A. Alexander

# Life Science Laboratories, Inc. LSL 5000 Brittonfield Parkway, Suite 200

# **Analytical Results**

	East Syracuse, NY 130	)57 (315	5) 437-0200		,	StateCertNo	: 10155
CLIENT Project:	O'Brien & Gere Engir Geneva Foundry	eers, Inc.		Lab ID: Client Sam	ple ID:	0601149-0 <i>MW-01 L</i>	01A ab Filtered
W Order: Matrix: Inst. ID: ColumnID: Revision:	0601149 WATER FIMS 100 02/06/06 9:02:42 A	Sample Size %Moisture TestCode:		Collection Date Receiv PrepDate: BatchNo: FileID:	Date:	01/26/06 12 01/27/06 8:3 01/27/06 12: 2501/R4364 1-SAMP-	:50 30 :00 A
Analyte	· · · · · · · · · · · · · · · · · · ·	Result Qu	al PQL	MDL	Units	DF	Date Analyzed
MERCURY Mercury	· · · ·	ND	0.00020	SW7470A 0.000026	mg/L	(SW7470A	N) · 01/27/06 17:48

Qualifiers:

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits Ε Value exceeds the instrument calibration range

J Analyte detected below the PQL

Prim./Conf. column %D or RPD exceeds limit P

Print Date: 02/16/06 7:03

В

H

Project Supervisor: Thomas A. Alexander

# **ATTACHMENT 2**

# DATA USABILITY SUMMARY REPORT (DUSR)

To:	File
From:	Karen Storne
Re:	Geneva Foundry Investigation DUSR
File:	1740/33239
Date:	June 30, 2006

A usability review of analytical data was performed for the analyses that were performed for the Geneva Foundry Site located in Geneva, New York. The samples were analyzed using United States Environmental Protection Agency (USEPA) methods. The following table summarizes the analysis performed for this investigation.

cc:

D Meixell S Spiegel

Parameter	Method	Reference
VOCs	USEPA Method 5030A/5030B/8260B	1
SVOCs	USEPA Method 3520C/3550B/8270C	1
Metals	USEPA Method 3005B/6010B	1
Mercury	USEPA Method 7470A/7471A	1
Percent Total Solids	2540-G	2
2 Physical/C 2 American	Environmental Protection Agency (USEPA). 2004. Test Methods for cal Methods, SW-846, 3rd Edition, Update IIIB. Washington D.C. Works Association (AWWA), American Public Health Association (APH/ F). 1992. Standard Methods for the Examination of Water and Wastewate	A) and Water Environment

The samples submitted for data validation are summarized in Table 1-2 provided in Attachment A.

The laboratory packages generated by Life Science Laboratories, Inc. contained summary forms for quality control analysis and supportive raw data. Full validation was performed on the aqueous and soil samples collected for this investigation. The analytical data generated for this investigation were evaluated by O'Brien & Gere using the quality assurance/quality control (QA/QC) criteria established in the USEPA Methods.

Data affected by excursions from criteria presented in the USEPA Methods were qualified using guidance provided in the following document and professional judgment:

- United States Environmental Protection Agency (USEPA). 1992. USEPA Region II Evaluation of Metals Data for the CLP Program, SOP HW-2 Revision 11, (modified for SW-846 methods). New York, NY.
- United States Environmental Protection Agency (USEPA). 2001. USEPA Region II Validating Semivolatile Organic Compounds by SW-846 Method 8270B, SOP HW-22. New York, NY.
- United States Environmental Protection Agency (USEPA). 1999. USEPA Region II Standard Operating Procedure For the Validation of Organic Data Acquired Using SW-846 Method 8260B, SOP HW-24. New York, NY

The data review included evaluating the following parameters:

- Chain-of-custody records
- Sample collection issues
- Holding times and sample preservation
- Calibrations

- Blank analysis
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control sample (LCS) analysis
- Field duplicate analysis
- Surrogate recoveries
- Internal standards performance
- Gas chromatography/mass spectrometry (GC/MS) instrument check
- Inductively Coupled Plasma (ICP) interference check sample analysis
- ICP serial dilution analysis
- Target analyte quantification, identification, and reported detection limits
- Documentation completeness
- Overall data assessment

O'Brien & Gere applies the following general approaches for application of data validation qualifiers when control limits are exceeded:

- If percent recoveries are less than laboratory control limits but greater than ten percent, non-detected, and detected results are qualified as approximate for organics (UJ, J).
- If percent recoveries are greater than laboratory control limits, detected results are qualified as approximate (J).
- If percent recoveries are less than ten percent, detected results are qualified as approximate (J) and nondetected results are qualified as rejected (R).
- If relative percent differences (RPDs) for matrix spikes (MSs) and matrix spike duplicates (MSDs) are outside of laboratory control limits, detected results are qualified as approximate (J).
- If RPDs for field duplicates are outside of validation criteria, detected and non-detected results are qualified as approximate (UJ, J).

For USEPA Method 8260B, target analytes were evaluated using the criteria of 15 percent relative standard deviation, (%RSD) for initial calibrations, or correlation coefficient of 0.990 for calibration curves, 20 percent difference (%D) for calibration verifications, and response factors (RFs) greater than or equal to 0.05 for target analytes and RFs greater than 0.01 for ketones.

For USEPA Method 8270C, target analytes were evaluated using the criteria of 15 percent relative standard deviation, (%RSD) for initial calibrations, or correlation coefficient of 0.990 for calibration curves, 20 percent difference (%D) for calibration verifications, and response factors (RFs) greater than or equal to 0.05 for target analytes.

For USEPA Methods 8260B and 8270C, sample result internal standard areas were evaluated using control limits of 50 percent to 200 percent recovery of the areas in the associated calibration verifications.

Field duplicate data were evaluated against relative percent difference (RPD) criteria of less than 50 percent for aqueous samples and less than 100 percent for solid samples when results were greater than five times the

reporting limit. When sample results for field duplicate pairs were less than five times the reporting limit, the data were evaluated using control limits of plus or minus two times the reporting limit.

The following sections of this memorandum presents the results of the comparison of the analytical data to the QA/QC criteria specified in USEPA Methods, the validation criteria applied to this analysis, and the qualifiers assigned to the data when the QA/QC criteria were not met. Excursions that resulted in the qualification of samples and additional observations are presented in the following sections.

# SAMPLE COLLECTION ISSUES

Field duplicates were not collected as part of this investigation. Therefore, precision of the field collection process could not be evaluated during the validation task. Laboratory precision was measured through the evaluation of matrix spike/ matrix spike duplicate analyses.

#### **DOCUMENTATION COMPLETENESS**

During the validation process, the laboratory provided clarification information to supplement the data package material. This information was necessary to complete the validation process.

# VOLATILE ORGANIC COMPOUND DATA EVALUATION SUMMARY

Excursions from quality control criteria and additional observations are summarized below.

#### I. Chain-of-custody records

The chain-of-custody records were completed properly.

#### II. Holding times

The method and validation holding time criterion for volatile organic analyses was met.

### III. Blank analysis

Trip blanks, equipment blanks and method blanks were analyzed to evaluate the potential of introduced concentrations of target compounds. As a result of contamination in the in the method blanks, the result for acetone in samples BH-25-D, BH-25-S, BH-20-D, BH-21-S, BH-21-D, BH-27-D, BH-24-S, BH-22-S, BH-22-D, BH-23-S, BH-24-D, BH-27-S, BH-26-S, BH-28-S, BH-28-D, BH-29-S, BH-29-D, BH-34-S, BH-35-D, BH-37, BH-35-S, BH-36-D, BH-20-S, BH-34-D, BH-30-S, BH-32-D, BH-33-S, BH-32-S, and BH-36-S were qualified as undetected (U). As a result of contamination in the in the method blanks, the result for methylene chloride in samples BH-21-S, BH-21-D, BH-22-S, BH-33-S, BH-36-D, BH-20-S, BH-26-S, BH-25-D, BH-26-S, BH-26-S, BH-36-D, BH-20-S, BH-20-D, BH-25-S, BH-25-S, BH-26-S, BH-2

#### IV. Calibrations

Calibration data were evaluated using the validation and USEPA Method 8260B criteria. The initial calibrations met the validation and USEPA Method 8260B criteria. As a result of a minor percent deviation excursions in the associated calibration verification, the results for dichlorodifluoromethane, bromomethane, carbon disulfide, methyl tert butyl ether, and naphthalene in samples BH-20-D, BH-21-S, BH-21-D, BH-22-S, BH-22-D, BH-23-S, BH-24-S, BH-24-D, BH-25-S, BH-25-D, BH-26-S, BH-27-S were qualified as approximate (UJ, J).

As a result of minor percent deviation excursions in the associated calibration verification, results for dichlorodifluoromethane, chloroethane, carbon disulfide, methyl tert butyl ether, and naphthalene in samples BH-28-S, BH-28-D, BH-29-S, BH-29-D, BH-34-S, BH-37, BH-35-S, BH-35-D, BH-36-D, Equipment Blank 1/10/06, and Equipment Blank 1/11/06 were qualified as approximate (UJ). As a result of a minor percent deviation excursion in the associated calibration verification the results for dichlorodifluoromethane, chloromethane, trichlorofluromethane, and bromoform in samples BH-36-S, BH-20-S, BH-30-S, BH-30-S, BH-32-D, BH-33-S, BH-32-S, Trip Blank 1/10/06, and Trip Blank 1/11/06 were qualified as approximate (UJ).

#### V. GC/MS instrument check

GC/MS instrument checks met USEPA Method 8260B criteria; therefore, qualification of sample results for instrument check excursions was not required.

#### VI. Surrogate recoveries

Surrogates were evaluated using the laboratory control limits during the validation process. Surrogate recoveries were within the laboratory control limits with the following exceptions: Target analytes in samples BH-21-S, BH-22-S, BH-22-D, BH-23-S, BH-24-S, BH-25-S, BH-28-S, BH-34-S, and BH-30-S were qualified as approximate (UJ, J) due to low surrogate recoveries.

#### VII. MS/MSD analysis

The laboratory used spikes containing the complete target analyte list to generate the MS/MSD data. MS/MSD recoveries and relative percent difference (RPD) values were within the laboratory control limits for the majority of the MS/MSD samples. Results for naphthalene in sample BH-37, and results for 1,1-dichloropropene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2-dibromoethane, 1,2-dichloroethane, 1,4-dichlorobenzene, bromochloromethane, cis-1,2-dichloroethene, dibromomethane, methyl tert butyl ether, methylene chloride, naphthalene, styrene, toluene and trans-1,2-dichloroethene in sample BH-20-D were qualified as approximate (UI) due to minor MS/MSD recovery excursions.

#### VIII. LCS analysis

The laboratory used spikes containing the complete target analyte list to generate the LCS data. LCS recoveries were evaluated using the laboratory control limits during the validation process. LCS recoveries were within the laboratory control limits with the following exception: Results for 1,1-dichloropropene and trans-1,2-dichloroethene in samples BH-20-D, BH-21-D, BH-21-S, BH-22-S, BH-22-D, BH-23-S, BH-24-S, BH-24-D, BH-25-S, BH-25-D, BH-25-S, BH-26-S, BH-27-S, BH-27-D were qualified as approximate (UJ) due to minor LCS recovery excursions.

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### IX. Internal standards performance

Internal standard recoveries and retention time consistency were evaluated during the validation process. Results for 1,1,2,2-tetrachloroethene, isopropylbenzene, 1,2,3-trichloropropane, bromobenzene, n-propylbenzene, 2-4-chlorotoluene, 1,3,5-trimethylbenzene, tert-butylbenzene. 1.2.4-trimethylbenzene, chlorotoluene. sec-1.3-dichlorobenzene, p-isopropyltoluene, 1,4-dichlorobenzene, n-butylbenzene. 1.2butylbenzene. dichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene and 1,2,3-trichlorobenzene in samples BH-20-S, BH-20-D, BH-21-S, BH-21-D, BH-22-S, BH-22-D, BH-24-S, BH-24-D, BH-23-S, BH-28-S, BH-37, BH-36-S, BH-34-D, BH-30-S were qualified as approximate (UJ, J) due to minor internal standard recovery excursions. Results for 1,3-dichloropropane, dibromochloromethane, tetrachloroethene, 1-chlorohexane, 1-chlorobenzene, ethylbenzene, xylenes, styrene, 1,1,1,2-tetrachlorobenzene, and bromoform in samples BH-25-S and BH-34-S were qualified as approximate (UJ, J) due to minor internal standard recovery excursions. Results for 1,1,2,2-tetrachloroethene, isopropylbenzene, 1,2,3-trichloropropane, bromobenzene, n-propylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,3,5-trimethylbenzene, naphthalene, tertbutylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, 1,3-dichlorobenzene, p-isopropyltoluene, 1.4dichlorobenzene, n-butylbenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorobutadiene, and 1,2,3-trichlorobenzene in samples BH-25-S and BH-34-S were rejected (R) due to major internal standard recovery excursions. Re-analyses of the impacted samples confirmed the internal standard excursions.

# X. Field duplicates

Field duplicate results were not collected during this investigation.

# XI. Target analyte quantitation, identification and reported detection limits

A dilution was performed for sample BH-23-S as a result of matrix interference.

The qualifier "J" was applied by the laboratory when the analyte concentration was greater than the MDL but less than the practical quantitation limit (PQL). This qualifier has been retained during the validation process to indicate that the result is considered to be approximate.

### XII. Overall assessment

- Target analytes were qualified as non-detected (U) due to method blank contamination.
- Target analytes were qualified as approximate (UJ, J) due to minor calibration verification excursions.
- Target analytes were qualified as approximate (UJ, J) due to minor surrogate recovery excursions.
- Target analytes were qualified as approximate (UJ) due to minor MS/MSD recovery excursions.
- Target analytes were qualified as approximate (UJ) due to minor LCS recovery excursions.
- Target analytes were qualified as approximate (UJ, J) due to minor internal standard recovery excursions.
- Results for 1,1,2,2-tetrachloroethene, isopropylbenzene, 1,2,3-trichloropropane, bromobenzene, npropylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4trimethylbenzene, sec-butylbenzene, 1,3-dichlorobenzene, p-isopropyltoluene, 1,4-dichlorobenzene, nbutylbenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, naphthalene, 1,2,4-trichlorobenzene, hexachlorobutadiene, and 1,2,3-trichlorobenzene in samples BH-25-S and BH-34-S were rejected (R) due to major internal standard recovery excursions.
- The analyte concentrations reported by the laboratory that were greater than the MDL but less than the laboratory PQL, were qualified as approximate (J).

# SEMIVOLATILE ORGANIC COMPOUND DATA EVALUATION SUMMARY

Excursions from quality control criteria and additional observations are summarized below.

## I. Chain-of-custody records

The chain-of-custody records were completed properly.

### II. Holding times

The method and validation holding time criterion for semivolatile organic analyses was met for the samples.

# III. Blank analysis

Equipment blanks and method blanks were analyzed to evaluate the potential of introduced concentrations of target compounds. Results for di-n-butyl phthalate in samples BH-20-S, BH-20-D, BH-21-S, BH-21-D, BH-22-S, BH-24-D, BH-27-S, BH-29-S, and BH-34-D were qualified as non-detected (U) due to method blank contamination.

### IV. Calibrations

Calibration data were evaluated using the validation and USEPA Method 8270C criteria. The initial calibrations met the validation and USEPA Method 8260B criteria. Results for aniline and bis (2-chloroisopropyl) ether in samples BH-24-S, Equipment Blank 1/10/06, Equipment Blank 1/11/06, BH-20-S, BH-20-D, BH-21-S, BH-21-D, BH-22-S, and BH-22-D were qualified as approximate (UJ) due to minor calibration verification excursions. Results for benzoic acid in samples BH-24-D, BH-26-S, BH-28-S, BH-34-S, BH-25-D, BH-27-S, BH-29-S, and BH-34-D were qualified as approximate (UJ) due to minor calibration excursions. Results for aniline, bis (2-chloroisopropyl) ether, hexachlorobutadiene, and 4-nitrophenol in samples BH-27-D, BH-28-D, BH-29-D, BH-25-S, BH-32-S, and BH-32-D were qualified as approximate (UJ) due to minor calibration verification verification verification excursions. Results for aniline, bis (2-chloroisopropyl) ether, hexachlorobutadiene, and 4-nitrophenol in samples BH-27-D, BH-28-D, BH-29-D, BH-25-S, BH-32-S, and BH-32-D were qualified as approximate (UJ) due to minor calibration verification verificat

### V. GC/MS instrument check

GC/MS instrument checks met USEPA Method 8270C criteria; therefore, qualification of sample results for instrument check excursions was not required.

### VI. Surrogate recoveries

Surrogates were evaluated using the laboratory control limits during the validation process. Surrogate recoveries were within the laboratory control limits with the following exceptions: Base neutral target analytes in sample BH-27-D were qualified as approximate (UJ, J) due to low surrogate recoveries. The re-analysis of the sample confirmed the surrogate recovery excursions.

# VII. MS/MSD analysis

The laboratory used spikes containing the complete target analyte list to generate the MS/MSD data. MS/MSD recoveries and relative percent difference (RPD) values were within the laboratory control limits for the majority of the MS/MSD samples. The result for aniline in sample BH-37 was qualified as approximate (UJ) due to minor MS/MSD recovery excursions.

# VIII. LCS analysis

The laboratory used spikes containing the complete target analyte list to generate the LCS data. LCS recoveries were evaluated using the laboratory control limits during the validation process. Results for 4-chloroaniline in samples BH-37, BH-35-S, BH-35-D, BH-36-S, BH-36-D, BH-30-S, BH-32-S, BH-32-D, and BH-33-S were qualified as approximate (UJ) due to minor LCS recovery excursions. The non-detected results for benzoic acid in Equipment Blank 1/10/06 and Equipment Blank 1/11/06 were rejected (R) due to major LCS recovery excursions.

# IX. Internal standards performance

Internal standard recoveries and retention time consistency were evaluated during the validation process. Results for benzo(b) fluroanthene, benzo(k) fluroanthene, benzo (g,h,i) perylene, benzo(a) perylene and dibenz(a,h) anthracene in samples BH-36-S, BH-36-D, BH-30-S, BH-33-S, BH-24-S, BH-27-S, BH-29-S, BH-34-D, BH-34-S, and BH-28-S were qualified as approximate (UJ, J) due to minor internal standard recovery excursions. Results for benzo(a)anthracene, bis (2-ethylhexyl) phthalate, butyl benzyl phthalate, chrysene, 3,3'-dichlorobenzidine, pyrene, di-n-octyl phthalate and indeno (1,2,3-cd) pyrene in samples BH-34-D, BH-34-S, and BH-28-S were qualified as approximate (UJ, J) due to minor internal standard recovery excursions.

### X. Field duplicates

Field duplicate results were not collected during this investigation.

# XI. Target analyte quantitation, identification and reported detection limits

Dilutions were performed for samples as a result of high concentrations of target analytes detected in the samples and matrix interferences.

The qualifier "J" was applied by the laboratory when the analyte concentration was greater than the MDL but less than the practical quantitation limit (PQL). This qualifier has been retained during the validation process to indicate that the result is considered to be approximate.

## XII. Overall assessment

- Target analytes were qualified as non-detected (U) due to method blank contamination.
- Target analytes were qualified as approximate (UJ) due to minor calibration verification excursions.
- Target analytes were qualified as approximate (UJ, J) due to minor surrogate recovery excursions.
- The result for aniline was qualified as approximate (UJ) due to a minor MS/MSD recovery excursion.
- Target analytes were qualified as approximate (UJ) due to minor LCS recovery excursions.
- The non-detected results for benzoic acid in Equipment Blank 1/10/06 and Equipment Blank 1/11/06 were rejected (R) due to major LCS recovery excursions.
- Target analytes were qualified as approximate (UJ, J) due to minor internal standard recovery excursions.

• The analyte concentrations reported by the laboratory that were greater than the MDL but less than the laboratory PQL, were qualified as approximate (J).

# METALS DATA EVALUATION SUMMARY

Excursions from quality control criteria and additional observations are summarized below.

#### I. Chain-of-custody records

The chain-of-custody records were completed properly.

#### II. Holding times

The method and validation holding time criterion for metals and mercury was met; therefore qualification of sample results for holding time excursions was not required.

#### III. Blank analysis

Equipment blanks and method blanks were analyzed to evaluate the potential of introduced concentrations of target compounds. The results for cadmium in sample BH-36-D and for silver in samples BH-22-S, BH-22-D, BH-23-S, and BH-36-D were qualified as non-detected due to equipment blank contamination.

### IV. Calibrations

Calibration data were evaluated using the validation and method criteria. The initial calibrations and calibration verifications met the validation and method criteria; therefore qualification of sample results for calibration excursions was not required.

#### V. MS/MSD analysis

MS/MSD recoveries and relative percent difference (RPD) values were evaluated. The results for magnesium in samples BH-20-S, BH-20-D, BH-21-S, BH-21-D, BH-22-S, BH-22-D, BH-23-S, BH-24-D, BH-25-S, BH-25-D, BH-26-S, BH-27-S, BH-27-D, BH-28-S, BH-28-D, BH-29-S, BH-29-D, BH-34-S, and BH-34-D were qualified as approximate (J) due to a minor MS recovery excursion.

### VI. LCS analysis

LCS recoveries were evaluated using the laboratory control limits during the validation process. LCS recoveries were within the laboratory control limits; therefore qualification of sample results for LCS excursions was not required.

## VII. Serial dilution analysis

Serial dilution analyses were evaluated. The results for arsenic in samples BH-27-D, BH-28-S, BH-20-S, BH-20-D, BH-21-D, BH-22-S, BH-22-D, BH-23-S, BH-24-S, and BH-25-S were qualified as approximate (J) due to a minor serial dilution excursion. The results for chromium in samples BH-20-D, BH-22-S, BH-24-S, BH-24-D, BH-25-S, BH-26-S, BH-27-D, BH-28-S, BH-28-D, BH-29-D, and BH-34-S were qualified as approximate (J) due to a minor serial dilution excursion.

# VIII. Field duplicates

Field duplicate results were not collected during this investigation.

# IX. Target analyte quantitation, identification and reported detection limits

Dilutions were performed for samples as a result of high concentrations of target analytes detected in the samples.

The qualifier "J" was applied by the laboratory when the analyte concentration was greater than the MDL but less than the practical quantitation limit (PQL). This qualifier has been retained during the validation process to indicate that the result is considered to be approximate.

# X. Overall assessment

- Target analytes were qualified as non-detected (U) due to equipment blank contamination.
- Results for magnesium were qualified as approximate (J) due to minor MS/MSD recovery excursions.
- Target analytes were qualified as approximate (J) due to minor serial dilution excursions.
- The analyte concentrations reported by the laboratory that were greater than the MDL but less than the laboratory PQL, were qualified as approximate (J).

# DATA USABILITY

The aqueous and soil samples, trip blanks, and equipment blanks collected as part of the Geneva Foundry Investigation were evaluated based on QA/QC criteria established by USEPA Methods as listed in Table 1-1. Data validation qualifiers were applied utilizing the USEPA Region II data validation guidance and professional judgment. Major deficiencies in the data generation process resulted in data points being rejected, indicating that the data are considered unusable for either quantitative or qualitative purposes. Minor deficiencies in the data generation process resulted as approximate. Identification of a data point as approximate indicates uncertainty in the reported concentration of the chemical, but not its assigned identity.

# **Rejected Data**

The following table summarizes the sample results that were rejected as a result of the data validation process that was performed on the data, based on method criteria, validation guidance, and professional judgment.

Analysis type	Sample Identification	Qualifier	Excursion
(impacted analytes)			
VOC (1,1,2,2-tetrachloroethene, isopropylbenzene, 1,2,3-trichloropropane, bromobenzene, n-propylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, 1,3-dichlorobenzene, p-isopropyltoluene, 1,4-dichlorobenzene, n-butylbenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene, 1,2,3-trichlorobenzene)	BH-25-S and BH-34-S	R	Major internal standard recovery excursion

Table 1-5. Summary of Rejected Sample Results

Analysis type (impacted analytes)	Sample Identification	Qualifier	Excursion
SVOC (benzoic acid)	Equipment Blank 1/10/06 and Equipment Blank 1/11/06	R	Major LCS recovery excursion.
Note: VOC indicates volatile organic compound. SVOC indicates semivolatile organic compound.			

A discussion of the data quality with regard to the parameters follows:

<u>Precision</u>: Data usability with respect to precision is 100 percent for the VOC, SVOC and metal data. None of the VOC, SVOC and metal data were rejected for precision excursions.

<u>Sensitivity</u>: Sensitivity is established by reported detection limits which represent measurable concentrations of analytes which can be determined with a designated level of confidence. With the exception of dilutions performed during the analyses, sensitivity requirements were met for the sample data in this project.

<u>Accuracy</u>: Data usability with respect to accuracy is 100 percent for the metal data and greater than 95 percent for the VOC and SVOC data. VOC and SVOC data were rejected due to major internal standard and LCS recovery excursions.

<u>Representativeness</u>: Data usability with respect to representativeness is 100 percent for VOC, SVOC and metal data. None of the VOC, SVOC and metal data were rejected for representativeness excursions.

<u>Comparability</u>: Data usability with respect to comparability is 100 percent, as standardized analytical methods, reporting limits, reference materials, and data deliverables were used throughout the data generation process for this project.

<u>Completeness</u>: Overall data usability with respect to completeness is 100 percent for the metal data and greater than 95 percent for the VOC and SVOC data. Therefore, the majority of the data were determined to be usable for qualitative and quantitative purposes.

## Table A

# RI/AA Report 300, 304-308 Andrews St and 25 Evans St Rochester, New York

# **Comparison of Remedial Alternatives**

Remediation Criteria	Remedial Alternative #1	Remedial Alternative #2	Remedial Alternative #3
Protection of Human Health and Environment	NO	YES	YES
Compliance with SCGs	NO	YES	YES
Long-Term Effectiveness and Permanence	NO	YES	YES
Reduction of Toxicity, Mobility, and Volume	Low	Moderate	High
Short-Term Impacts and Effectiveness	Impacts - NO Effectiveness - NO	Impacts - NO Effectiveness - YES	Impacts - YES Effectiveness - YES
Implementability	Easy	Moderate	Difficult
Acceptable for Planned Future Use	NO	YES	YES
Total Present Worth Cost	\$0.00	\$368,951	\$8,905,413

Table B

RI/AA Report 300, 304-308 Andrews St and 25 Evans St Rochester, New York

Alternative #1 - No Further Action

This alternative assumes no further action will be taken at a cost of \$0.00

# Table C

# RI/AA Report 300, 304-308 Andrews St and 25 Evans St Rochester, New York

# Alternative #2 - Implement Existing Institutional Controls; and Engineeing Controls

## Capital/Initial Costs

Decommissioning of Select Existing Wells	\$10,200
Engineering Controls (SSDS on 50,000 SF Bldg)	\$178,500
20% Contingency	\$37,740
Total	\$226,440
Operation/Maintenance/Annual Costs	
Years 1 and 2 Groundwater Monitoring (\$44,000 X 2 yrs)	\$88,000
Years 3 and 4 Groundwater Monitoring (\$22,000 X 2 yrs)	\$44,000
Years 1 through 4 Periodic Review Reports (\$3,000 X 4 yrs)	\$12,000
10% Contingency	\$14,400
Total Operation/Maintenance/Annual Costs	\$158,400
Present Worth Cost	
Capital/Initial Costs	\$226,440
Years 1-2 Groundwater Monitoring Present Worth (F=1.85941)	\$89,995
Years 3-4 Groundwater Monitoring Present Worth (F=3.54595-1.85941)	\$40,814
Years 1-4 Periodic Review Reports Present Worth (F=3.54595)	\$11,702
Total Present Worth Cost	\$368,951

#### **Assumptions**

- Closeout costs adjusted for 4 years at 5% discount factor
- F = Discount Factor of 5% at the  $n^{th}$  year of the project
- Conduct long-term groundwater monitoring for 4 years (quarterly for 30 wells for yrs 1-2, bi-annually for 30 wells for yrs 3-4)
- Prevailing Wage Rates Apply
- Contingencies applied to present worth costs

## Table D

# RI/AA Report 300, 304-308 Andrews St and 25 Evans St Rochester, New York

# Alternative #3 - Full Removal of Impacted Fill Material and Soil, Groundwater Remediation; and Groundwater Monitoring

# Capital/Initial Costs

Remediation Work Plan, HASP, QAPP, CPP Decommissioning of Select Existing Wells/Installation of New Wells Complete Contaminated Soil and Fill Removal In-Situ Remediation 20% Contingency <b>Total</b>	\$60,000 \$101,500 \$5,829,500 \$1,148,000 \$1,427,800 <b>\$8,566,800</b>
Total	<b>\$0,500,000</b>
Operation/Maintenance/Annual Costs	
Years 1-2 Groundwater Monitoring (\$87,000 X 2 yrs)	\$174,000
Years 3-4 Groundwater Monitoring (\$43,500 X 2 yrs)	\$87,000
10% Contingency	\$26,100
Total Operation/Maintenance/Annual Costs	\$287,100
Classout Costs	
Closeout Costs Final Engineering Report	\$81,000
20% Contingency	\$16,200
Total Closeout Costs	\$97,200
	ψ37,200
Present Worth Cost	
Capital/Initial Costs	\$8,566,800
Years 1-2 Groundwater Monitoring Present Worth (F=1.85941)	\$177,946
Years 3-4 Groundwater Monitoring Present Worth (F=3.54595-1.85941)	\$80,701
Closeout Costs (F= 0.82270)	\$79,966
Total Present Worth Cost	\$8,905,413

### **Assumptions**

- Closeout costs adjusted for 4 years at 5% discount factor
- F = Discount Factor of 5% at the  $n^{th}$  year of the project
- Conduct long-term groundwater monitoring for 4 years (quarterly for 19 wells yrs 1-2, biannually for 19 wells yrs 3-4)
- In-situ remediation in Overburden and Bedrock
- Prevailing Wage Rates Apply
- Contingencies applied to present worth costs