ATTACHMENT WM-44A

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
PECHINEY CAST PLATE FACILITY

Vernon, California

Prepared for:

Alcan, Inc.
Chicago, Illinois

Prepared by:

Geomatrix Consultants, Inc.
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

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Geomatrix

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PROFESSIONAL GEOLOGIST
LINDA MARIE CONLAN
No. 6943
Exp. 5/31/08
STATE OF CALIFORNIA

Linda Conlan, PG 6943
Senior Geologist

Craig Stewart, CHG 106
Principal Hydrogeologist

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1

2.0 BACKGROUND AND OBJECTIVES 1
- 2.1 SITE DESCRIPTION AND HISTORY 2
- 2.2 GEOLOGIC AND HYDROGEOLOGIC SETTING 2
  - 2.2.1 Topography and Surface Water 2
  - 2.2.2 Geology and Hydrogeology 3
- 2.3 PREVIOUS ASSESSMENTS AND CHEMICALS OF POTENTIAL CONCERN 5
- 2.4 PHASE II ASSESSMENT OBJECTIVES AND WORK PLAN 6

3.0 PHASE II ASSESSMENT ACTIVITIES 7
- 3.1 PRE-FIELD ACTIVITIES 7
  - 3.1.1 Site Health and Safety Plan 8
  - 3.1.2 Permits, Coordination, and Subcontractor Procurement/Scheduling 8
  - 3.1.3 Utility Clearance 8
- 3.2 SOIL VAPOR AND SOIL SAMPLING AND LABORATORY ANALYSES 8
  - 3.2.1 Soil Vapor Sampling and Laboratory Analysis 9
  - 3.2.2 Soil Sampling 10
  - 3.2.3 Laboratory Analyses of Soil Samples 12
- 3.3 INVESTIGATION DERIVED WASTE 13
- 3.4 BOREHOLE BACKFILL 13
- 3.5 SITE SURVEY 13
- 3.6 TRENCH OBSERVATIONS 14
  - 3.6.1 Building 104 14
  - 3.6.2 Building 112A 14
  - 3.6.3 Other Features 15
- 3.7 BUILDING MATERIALS SURVEY 16
  - 3.7.1 Asbestos 16
  - 3.7.2 Lead-Based Paint Survey 17
  - 3.7.3 Concrete and Building Materials Survey for PCBs 17

4.0 ANALYTICAL RESULTS 17
- 4.1 SOIL VAPOR ANALYTICAL RESULTS 18
- 4.2 SOIL ANALYTICAL RESULTS 18
  - 4.2.1 Volatile Organic Compounds 19
  - 4.2.2 Total Petroleum Hydrocarbons and Stoddard Solvent 19
  - 4.2.3 Polychlorinated Biphenyls 20
  - 4.2.4 Total Metals 20
  - 4.2.5 Semivolatile Organic Compounds 21
- 4.3 CONCRETE ANALYTICAL RESULTS 21
- 4.4 BUILDING MATERIALS SURVEY ANALYTICAL RESULTS 21
  - 4.4.1 Asbestos 22
  - 4.4.2 Lead-Based Paint 22

TABLE OF CONTENTS
(Continued)

4.4.3 PCBs 23
4.4.4 Metals 24

5.0 FIELD AND LABORATORY QA/QC PROCEDURES AND RESULTS 26
5.1 QA/QC SAMPLES FOR SOIL 26
5.1.1 Field Quality Control Samples for Soil 26
5.1.2 Laboratory Quality Control Samples for Soil 27
5.2 QA/QC PROCEDURES AND RESULTS FOR SOIL VAPOR 29

6.0 DATA EVALUATION 30
6.1 VOLATILE ORGANIC COMPOUNDS 32
6.1.1 Soil Vapor 32
6.1.2 Soil 33
6.2 TOTAL PETROLEUM HYDROCARBONS AND STODDARD SOLVENT 34
6.3 METALS 35
6.4 POLYCHLORINATED BIPHENYLS 36

7.0 SUMMARY AND CONCLUSIONS 37
7.1 SOIL VAPOR 38
7.2 SOIL 38
7.2.1 Volatile Organic Compounds 38
7.2.2 Total Petroleum Hydrocarbons and Stoddard Solvent 39
7.2.3 Metals 39
7.2.4 Polychlorinated Biphenyls 40
7.3 CONCRETE 41
7.4 BUILDING MATERIALS SURVEY 41
7.5 TRENCHES AND PITS 42

8.0 RECOMMENDATIONS 42

9.0 REFERENCES 45

TABLES

Table 1 Summary of Phase I Potential Environmental Issues
Table 2 Proposed Phase II Sample Matrix and Potential Environmental Issues
Table 3 Phase II Boring and Sample Summary
Table 4 Analytical Results for Selected Volatile Organic Compounds in Soil Vapor
Table 5 Analytical Results for Selected Volatile Organic Compounds in Soil
Table 6 Analytical Results for Total Petroleum Hydrocarbons in Soil
Table 7 Analytical Results for Polychlorinated Biphenyls in Soil and Concrete
Table 8 Analytical Results for Metals in Soil
Table 9 Analytical Results for Selected Semivolatile Organic Compounds in Soil

TABLE OF CONTENTS
(Continued)

FIGURES

Figure 1	Site Location Map
Figure 2	Historical Site Plan
Figure 3	Current Site Plan
Figure 4	Selected Volatile Organic Compounds in Soil Vapor
Figure 5	Selected Volatile Organic Compounds and Total Petroleum Hydrocarbons in Soil
Figure 6	Total Polychlorinated Biphenyls in Soil and Concrete

APPENDIXES

Appendix A	City of Vernon Health & Environmental Control Correspondence
Appendix B	Boring Logs
Appendix C	Site Photographs
Appendix D	Hazardous Building Materials Report
Appendix E	Laboratory Analytical Data and Chain of Custody Documentation

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
PECHINEY CAST PLATE FACILITY
City of Vernon, California

1.0 INTRODUCTION

Geomatrix Consultants, Inc. (Geomatrix) has prepared this Phase II Environmental Site Assessment (ESA) Report on behalf of Alcan, Inc. (Alcan) for the Pechiney Cast Plate Facility (the Vernon facility or site). The site is located at 3200 Fruitland Avenue at the southeastern corner of the intersection of Fruitland Avenue and Boyle Avenue in the City of Vernon, County of Los Angeles, California (Figure 1).

In June 2005, Geomatrix conducted a Phase I ESA (Geomatrix, 2005a) for the Vernon facility to assist Alcan in identifying Recognized Environmental Conditions (RECs) as defined by the ASTM International, Inc. (ASTM) E1527-00 standard for Phase I ESAs. In addition to RECs, Geomatrix identified historical RECs (HRECs) and potential other environmental conditions (OECs) at the site. Based on the findings of the Phase I ESA, several RECs and OECs were identified in connection with the site. The HRECs represent environmental conditions "which in the past would have been considered a REC, but which may not likely be considered a REC currently." In most cases, the HRECs represent impacted areas that were remediated during previous assessments and were granted closure by the City of Vernon Health and Environmental Control (H&EC). As such, HRECs were not further addressed in this Phase II assessment. The Phase I ESA (Geomatrix, 2005a) and Draft Phase II Work Plan (Work Plan; Geomatrix, 2005b) were submitted to H&EC. The report and Work Plan were approved by H&EC on September 26, 2005. A copy of the approval memorandum from H&EC is provided in Appendix A. The Phase II ESA was conducted to evaluate whether the RECs or OECs had resulted in releases to the subsurface. Based on the findings of this Phase II ESA, further assessment will be needed in specific areas of the site to characterize the extent of impacted soil and/or existing subsurface conditions.

2.0 BACKGROUND AND OBJECTIVES

This section summarizes site background information, site and site vicinity geology and hydrogeology, previous assessments and identified chemicals of potential concern (COPCs), Phase I ESA findings, and the RECs and OECs that were targeted for further assessment in this Phase II ESA.

2.1 SITE DESCRIPTION AND HISTORY

The Vernon facility is comprised of approximately 26.9 acres currently occupied by about 600,000 square feet of building area. The facility is used to manufacture high-precision cast aluminum plates and lies within an area zoned as industrial and commercial. As observed during the Phase I ESA (Geomatrix, 2005a), and at the time of this Phase II assessment, site features included parking lots, buildings used for manufacturing and associated purposes, offices, outside storage areas, and partially paved vacant lots (Figures 2 and 3). The site was once part of a 56-acre aluminum manufacturing facility operated by Aluminum Company of America (Alcoa). The former Alcoa facility extended farther east to Alcoa Avenue; the historical layout of the former Alcoa facility is shown on Figure 2.

The Assessor Parcel Numbers (APNs) for the site are:

- APN #6301-008-010 (referred to as Parcel 6 Lot 10);
- APN #6301-008-011 (referred to as Parcel 6 Lot 11);
- APN #6301-008-012 (referred to as Parcel 7); and
- APN #6301-008-013 (referred to as Parcel 8).

Alcoa's operations at the site reportedly began in approximately 1937. In approximately 1997, Alcoa sold the eastern half of its facility, which subsequently was razed, subdivided, and redeveloped for industrial and commercial uses. Alcoa investigated subsurface conditions in several areas of the site at that time. In December 1998, Alcoa sold the western portion of the facility (3200 Fruitland Avenue) to Century Aluminum Company. In 1999, Pechiney Cast Plate (a subsidiary of Alcan) purchased the site. Current and historical buildings and areas at the site are shown on Figures 2 and 3.

2.2 GEOLOGIC AND HYDROGEOLOGIC SETTING

The physical setting of the Vernon facility, including site topography, surface water, geology, and hydrogeology, is discussed in the following subsections.

2.2.1 Topography and Surface Water

Topography in the site vicinity is shown on the United States Geological Survey (USGS) South Gate, California 7.5-minute series Topographic Quadrangle Map (1964, photorevised 1981). The site is located in Township 2 South, Range 13 West, Section 14, San Bernardino Base & Meridian at approximately 180 feet above mean sea level. The local topographic gradient is

gentle, sloping toward the south at approximately 25 feet per mile. The Los Angeles River, the surface water body nearest the Vernon facility, is located approximately 4,000 feet north-northeast of the site.

2.2.2 Geology and Hydrogeology

Information presented in this section is based on the State of California Department of Water Resources Bulletin 104 (DWR, 1961), or as referenced below.

Geology

Sediments underlying the site and its vicinity are associated with Recent Alluvium, the Lakewood Formation, and the underlying San Pedro Formation. Based on basin-scale interpretations presented in DWR (1961), Recent Alluvium extends from ground surface to a depth of approximately 100 feet and consists primarily of stream deposited gravel, sand, silt and clay with some interbedded marine deposits. The Recent Alluvium is underlain by approximately 150 to 200 feet of the Upper Pleistocene Lakewood Formation, which consists of alternating sequences of fine- and coarse-grained alluvial sediments. The Lakewood Formation is underlain by the Lower Pleistocene San Pedro Formation which consists of approximately 900 to 1200 feet of sand and gravel, interbedded with clays of marine origin.

Previous investigations conducted at the former Alcoa facility (including the site) suggest the site is underlain by fine-grained (predominantly silt) and coarse-grained (predominantly sand) sediments (referred to by others as Recent Alluvium) from ground surface to approximately 40 feet below ground surface (bgs), predominantly silt and clay (referred to by others as the Bellflower aquitard) from approximately 40 to 85 feet bgs, and predominantly sand (referred to by others as the Lakewood Formation) to a depth of at least 161.5 feet, the total depth of the deepest soil boring drilled at the site, according to documents reviewed by Geomatrix (Geraghty & Miller, 1991).

Hydrogeology

The site is located within the Los Angeles Forebay Area of the Central Basin of the Los Angeles County Coastal Plain. The Central Basin is bounded on the northwest by the Santa Monica Mountains, on the north and northeast by the Repetto, Merced and Puente Hills, on the east by the Coyote Creek (the approximate Orange County/Los Angeles County line), and on the south and west by the Pacific Ocean. The Central Basin is largely composed of alluvial sediments shed from the surrounding hills and mountains.

Aquifers between ground surface and a depth of approximately 700 feet bgs at the site include the Exposition, Gage, Hollydale, Jefferson, and Lynwood aquifers, respectively. The Exposition and Gage aquifers are part of the Lakewood Formation, while the Hollydale, Jefferson, and Lynwood aquifers are part of the underlying San Pedro formation. These aquifers have variable thicknesses and are separated by undifferentiated finer-grained sediments. Perched groundwater may be associated with the Bellflower aquitard in the Recent Alluvium.

Historical boring logs indicate shallowest groundwater beneath the site was encountered within a sand unit, interpreted to be the Exposition aquifer within the Lakewood Formation, between depths of 145 and 150 feet bgs (Geraghty & Miller, 1991 and 1995). Boring logs reviewed by Geomatrix did not indicate the presence of perched groundwater above and within sediments interpreted as the Bellflower aquitard.

Detailed information regarding water supply wells in the vicinity of the site is presented in the Phase I ESA report (Geomatrix, 2005a). In summary, fifteen municipal water supply wells, nine United States Geological Survey (USGS) monitoring wells, and one well from Environmental Data Resource (EDR) Aquiflow Database were identified within a 1-mile radius of the site (EDR, 2005). Seven wells belong to the City of Vernon Water Department (VWD) and four wells belong to the City of Huntington Park Water Department (HPWD). The remaining ten wells did not have ownership or analytical information listed in the EDR report. Fifteen designated municipal wells are located more than ½-mile away from the site and are briefly summarized below.

Two VWD municipal well clusters are located within a one-mile radius of the site and consist of six active wells (VWD well numbers 11, 12, 15, 16, 17, and 19); two inactive wells (VWD well numbers 5 and 7); and three destroyed wells (VWD well numbers 9, 10, and 13). One well cluster is located approximately ½ mile northwest of the site and the other well cluster is located approximately ⅓ mile northeast of the site.

HPWD municipal wells located within a 1-mile radius of the site consist of two active wells (HPWD well numbers 14 and 17); one inactive well (HPWD well number 9); and one destroyed well (HPWD well number 11). One active well is approximately ½ mile southwest of the site, and the other active well is approximately 1 mile southeast of the site.

Nine groundwater monitoring wells were installed at the former Alcoa facility. Six of these wells AOW-1, AOW-3, AOW-6, AOW-7, AOW-8, and AOW-9 were located on the site (Figure 2). According to documents reviewed, all but three wells (AOW-6, AOW-8, and AOW-9) have been destroyed under the oversight of the City of Vernon. Groundwater monitoring conducted between 1990 and 1997 indicates the depth to groundwater beneath the site during that time ranged from approximately 135 to 158 feet bgs (Enviro-Wise, 1998). Groundwater flow direction was reported as west-northwesterly (Geraghty & Miller, 1991 and 1995; Enviro-Wise, 1998).

2.3 PREVIOUS ASSESSMENTS AND CHEMICALS OF POTENTIAL CONCERN

Previous assessments conducted at the site were described in the Phase I ESA report for the Vernon facility (Geomatrix, 2005a). The previous assessments were conducted by consultants to Alcoa and were related to the closing of its facilities and operations on and east of the site. These assessments were conducted under the oversight of H&EC. Previous assessment activities included the collection and analysis of soil, groundwater, soil vapor, and building materials samples. In addition, soil remediation was conducted in some areas of the site. A summary of potential environmental concerns identified during the Phase I ESA and from previous assessment reports (including areas where soil remediation was conducted) reviewed by Geomatrix is provided in Table 1. With the exception of Stoddard solvent impacted soils detected beneath Parcel 7, H&EC concurred with Alcoa that no further environmental assessment or remedial action was required at that time unless new information was identified that could effect this conclusion (City of Vernon, 1999). In this regard, the findings of the recent Phase I ESA indicated the need for additional subsurface assessment at the site to evaluate potential releases associated with the identified RECs and OECs. H&EC concurred with this conclusion with their approval of the Work Plan (Geomatrix 2005b).

Chemicals potentially associated with historical site uses were identified in soil during previous assessments of the former Alcoa facility. Based on the findings of the previous investigations and the manufacturing operations in each building and/or area, Geomatrix developed a list of COPCs for soil at the site. These COPCs included:

- total petroleum hydrocarbons (TPH), including Stoddard solvent;
- polychlorinated biphenyls (PCBs);
- volatile organic compounds (VOCs);
- metals, including hexavalent chromium [Cr(VI)]; and

- semivolatile organic compounds (SVOCs).

Groundwater quality conditions at the site have been assessed by Alcoa under the oversight of H&EC and the California Regional Water Quality Control Board, Los Angeles Region (RWQCB) Underground Storage Tank (UST) Division (RWQCB, 2002). Groundwater monitoring data collected from the monitoring wells between 1990 and 1997 indicate trichloroethene (TCE), 1,2-dichloroethane (1,2-DCA), and chloroform were present in groundwater beneath the site with historical concentrations up to 160 micrograms per liter (µg/l), 370 µg/l, and 105 µg/l, respectively (Enviro-Wise, 1998). The highest concentrations of these compounds were detected in groundwater beneath the southwestern portion of Parcel 7 in the vicinity of the former Stoddard solvent USTs located outside of Building 112A. Based on these historical results, the VOCs, TCE, 1,2-DCA, and chloroform are considered COPCs in groundwater at the site. Previous evaluations conducted by Alcoa indicated the source of VOCs in groundwater at the site was from an upgradient, off-site source. H&EC concurred with this evaluation, but because the wells were located in an area associated with USTs, the RWQCB requested additional testing of groundwater for fuel-related constituents. We understand that Alcoa is in the processes of negotiating closure with the RWQCB related to the VOCs detected in groundwater at the site and ultimately the destruction of the remaining three groundwater monitoring wells (AOW-6, AOW-8, and AOW-9).

In addition to assessment of subsurface conditions at the site, hazardous building materials were evaluated and identified during previous investigations. As summarized in the Phase I ESA (Geomatrix, 2005a), these materials included:

- PCB-containing oils within electrical and hydraulic equipment;
- PCBs on building material and floor coverings;
- Asbestos Containing Materials (ACM) (including Galbestos siding);
- Lead-based Paint (LBP); and
- residual surface dust.

2.4 PHASE II ASSESSMENT OBJECTIVES AND WORK PLAN

The objectives of the Phase II assessment were to:

- assess the potential that RECs and OECs identified in the Phase I ESA had resulted in release of COPCs to the site subsurface (Table 3);

- assess detected concentrations of COPCs in context of regulatory screening criteria; and
- further assess the presence and quantities of hazardous building materials at the site.

These objectives focused on assessing the potential presence and concentrations of COPCs associated with the targeted RECs and OECs; characterization of the lateral or vertical extent of COPCs found in the subsurface was not an objective for this phase of work. Based on the findings of this Phase II assessment, additional investigations to characterize the extent of impacts are warranted. The approach and scope of work proposed for addressing these objectives were outlined in the Draft Phase II Work Plan (Work Plan; Geomatrix, 2005b). Table 2 of this report, adapted from Table 3 of the Work Plan, presents the rationale and analytical program developed during planning for the Phase II assessment.

3.0 PHASE II ASSESSMENT ACTIVITIES

Geomatrix collected soil, soil vapor, and concrete samples to provide data to assess subsurface conditions and building materials in Parcels 6, 7, and 8 where Phase I ESA results indicated operations may have impacted subsurface soils or building materials. The rationale for sampling, the lists of COPCs, and proposed samples for collection and analysis for each sample location are summarized in Table 2 and a summary of the samples collected during this assessment is provided in Table 3. The following section describes procedures followed during the Phase II ESA.

3.1 PRE-FIELD ACTIVITIES

Prior to initiating field sampling, several pre-field activities were completed. Pre-field activities included the following:

- preparing a site-specific health and safety plan;
- obtaining permits;
- coordinating site access;
- retaining and scheduling subcontractors; and
- conducting a geophysical survey for potential utilities and subsurface features at the planned subsurface sampling locations.

The pre-field activities are summarized in the following subsections.

3.1.1 Site Health and Safety Plan

A site-specific health and safety plan (HASP) was prepared for the field activities performed by Geomatrix personnel and subcontractors. The HASP described procedures for managing potential risks to the personnel performing the sampling activities for the site.

3.1.2 Permits, Coordination, and Subcontractor Procurement/Scheduling

As required by H&EC, permits were obtained for the two soil borings proposed to depths of approximately 145 feet bgs in Building 106 and one soil boring proposed to a depth of approximately 70 feet bgs in Building 104. Site access and field logistics were coordinated with facility personnel, H&EC representatives, and subcontractors. American Analytics of Chatsworth, California conducted the direct push soil sampling and soil vapor sampling. Layne Christensen Company of Fontana, California performed the hollow-stem auger drilling for the three deeper borings. Vironex of Santa Ana, California conducted limited access direct push soil sampling activities. Analyses of soil vapor and soil samples were conducted by American Analytics.

3.1.3 Utility Clearance

Prior to initiating the field activities, Geomatrix requested as-built drawings and subsurface utility plans from the facility. The facility provided a general site plan layout depicting the known locations of sewer and water lines and a facility representative assisted Geomatrix in locating borings. Underground Service Alert was notified at least 48 hours prior to the start of subsurface work at the site. Goldak, Inc. of Glendale, California conducted a utility survey at the proposed subsurface boring locations prior to commencing field activities. Some boring locations were relocated during the field investigation based on the location of utilities and subsurface structures (e.g., rebar and secondary concrete slabs). Due to limited contractor availability during the field investigation, Geomatrix also retained Spectrum Geophysics of Burbank, California to conduct a utility survey to relocate subsurface boring locations.

3.2 SOIL VAPOR AND SOIL SAMPLING AND LABORATORY ANALYSES

Shallow soil borings (for purposes of collecting soil and/or soil vapor samples) were installed using hydraulic-drive, direct-push methods. In areas not accessible to the drilling equipment, shallow soil borings were installed using hand auger methods. Deeper soil borings (for purposes of assessing subsurface geologic conditions and collecting soil samples) were installed using hollow-stem auger drilling methods.

3.2.1 Soil Vapor Sampling and Laboratory Analysis

A soil vapor survey was conducted in Building 106, in the area of the former Stoddard solvent USTs, and on Parcel 6 (Table 2; Figure 3). The survey was used to assess the concentration and distribution of vapor-phase VOCs (if present) and Stoddard solvent. Thirty-two temporary soil vapor points were installed. Vapor samples were collected at each location from approximate depths of 5 and 15 feet bgs (Table 3). Soil vapor sampling was not conducted in the wedge-shaped parcel located southwest of Building 112A (Figure 4); this area is no longer part of the site.

The soil vapor survey was conducted in general accordance with RWQCB's "Interim Guidance for Active Soil Gas Investigation," dated February 25, 1997, and the Department of Toxic Substances Control (DTSC) and RWQCB's "Advisory-Active Soil Gas Investigations," dated January 28, 2003 (Joint Advisory).

During soil vapor sampling in Building 106, soil vapor samples were not collected at sample points 6 and 15 due to the thickness of the concrete flooring or obstructions encountered in the subsurface. At sample location 8, the direct push equipment met with refusal due to an obstruction in the subsurface, and the sample location was moved several feet to collect the soil vapor samples. Sample logs are included in Appendix B.

Hydrated granular bentonite was used to achieve a seal at the surface of each temporary sampling probe. At each sample point, isopropyl alcohol (IPA) was used as an ambient air leak detection compound by placing an IPA soaked paper towel around the sample tubing above the surface bentonite seal.

A purge volume test was conducted at the beginning of the survey in accordance with the Joint Advisory and resulted in the selection of a 7-volume purge (Table 4). No flow conditions were encountered at boring location 16 at a depth of 5 feet bgs; therefore, a step-out boring was advanced adjacent to boring location 16 and a soil vapor sample was collected at 5 feet bgs (Table 4).

Soil vapor samples were analyzed by American Analytics in an on-site mobile laboratory for the RWQCB target list of 23 VOCs and Stoddard solvent (in some areas) using gas chromatography/mass spectrometry methods similar to EPA Test Method 8260B. The mobile laboratory instrument was calibrated against a Stoddard solvent standard to allow for quantitation and reporting of this compound.

Once analysis of the soil vapor samples was completed at the site by the mobile laboratory, the vapor tubing was pulled from the surface at each location; the hydrated bentonite was removed from the upper 6-inches of the borehole and sealed with concrete or asphalt to match surrounding conditions.

Preliminary soil vapor results from sample locations 3, 4, 5, 7, 8, 9, 10, 11, and 12 in Building 106 indicated the presence of VOCs, including TCE and PCE. Based on the results, confirmation soil samples were collected from three locations in Building 106 (8, 17, and 20) and one location outside of Building 106 (77).

3.2.2 Soil Sampling

The shallow soil sampling program included 73 borings advanced to depths between approximately 1.5 and 20 feet bgs. Soil samples were collected adjacent to selected features to a depth below the base of structures/features of potential concern identified during the Phase I ESA (Table 3; Figure 3). Soil samples were analyzed for the suite of compounds listed in Table 2. The soil borings were completed using a Geoprobe direct push rig.

Three deeper soil borings were drilled using hollow-stem auger methods. In accordance with the Work Plan (Geomatrix, 2005b), soil boring 40 was advanced to a depth of approximately 70 feet bgs in Building 104 adjacent to a vertical pit. The other two deeper soil borings in Building 106, 13 and 14, were drilled to a depth of 48.5 feet bgs rather than to regional groundwater as had been proposed in the Work Plan. This change in boring depths was based on soil conditions encountered and field screening results suggesting the potential presence of VOCs in soil in or above a zone of fine-grained sediment at approximately 45 feet bgs. Based on these field conditions, Geomatrix recommended that a better understanding of soil conditions within this depth interval be developed before advancing borings into deeper soil and to regional groundwater. This modification was discussed with H&EC for approval. Boring logs are included in Appendix B.

Due to subsurface obstructions (e.g., secondary concrete slabs and rebar) encountered while hand augering/drilling during the Phase II field investigation, soil borings 22, 24, 26, 36, 44, 48, 70, 71, 72, and 73 were relocated in the field (Table 3). The new boring locations were placed as close as feasible to the original locations and varied from 5 to 20 feet from the corresponding original boring locations.

3.2.2.1 Soil Sampling and Sample Handling

Soil sample handling procedures implemented during the Phase II ESA including sample containers and preservation, sample labeling, sample packaging, shipment, and chain-of-custody procedures are described in the following subsections.

Sample Containers and Preservation

Soil samples were collected in acetate liners, 6-inch stainless steel sleeves, or glass jars (glass jars were not used for samples being analyzed for VOCs or SVOCs). Clean, pre-packaged sample containers provided by the laboratory or drilling subcontractor(s) were used.

No preservatives were required for soil samples collected and submitted for PCBs, TPH, SVOCs, pH, or metals analyses. Soil samples for VOC analysis were collected in cut syringes and preserved in the field using EPA Method 5035 protocols.

Sample Labeling

Sample identification included a sample-specific identification code linking the sample to descriptive information recorded in field documents. A separate label was affixed to each sample container with a self-adhesive backing. The site-specific sample identification code consisted of the following components:

Digits 1 & 2: Sequential sample location number (01, 02, 03, etc.)

Digits 3 & 4: Two letter code, describing the type of sample (SV = soil vapor sample; SS = soil sample; CS = concrete sample)

Digits 5 & 6: Two- to three-digit number describing the sampling depth (5.0 = 5.0 feet bgs; 10.5 = 10.5 feet bgs, etc.).

As an example, a sample labeled 01-SS-10.5 would represent a soil sample collected from sample location number 1, at a depth of 10.5 feet bgs.

Sample Packaging, Shipment, and Chain-of-Custody

Soil and field QA/QC samples were collected and remained sealed within sampling containers until analyzed by the laboratory. Ice contained in resealable plastic bags was placed in an ice chest along with the samples to keep them chilled. The condition of samples was inspected prior to shipment. Chain-of-custody procedures were followed to document field tracking of sample custody. Chain-of-custody records were completed for each shipping container.

3.2.2.2 Equipment Decontamination

Re-usable sampling equipment (hand augers, direct push rods, drive sampler, or other downhole equipment) was cleaned between each use using a non-phosphate detergent and potable water, deionized water and a brush, then rinsed in a two-stage deionized water rinse and air dried. Disposable nitrile gloves were worn during decontamination activities. Decontamination wash and rinse water was temporarily stored in 5-gallon buckets and transferred to a sealed and labeled 55-gallon drum at the end of each day.

3.2.3 Laboratory Analyses of Soil Samples

The suite of analyses for each soil sample collected during this investigation is summarized in Table 3. Based on the historical or current operations at each area investigated, soil samples were analyzed as follows:

- 40 soil samples were analyzed for VOCs using EPA Method 8260B/5035;
- 87 soil samples were analyzed for PCBs using EPA Method 8082;
- 87 concrete samples were analyzed for PCBs using EPA Method 8082;
- 75 soil samples were analyzed for TPH with carbon chain speciation (TPHcc; carbon chains of C6 – C44) using EPA Test Method 8015B (Modified);
- 44 soil samples were analyzed for metals using EPA Test Methods 6010B/6020/7000A;
- six soil samples were analyzed for Cr(VI) using EPA Test Method 7199;
- two soil samples were analyzed for SVOCs using EPA Method 8270C; and
- two soil samples were analyzed for pH using EPA Test Method 9045C.

The Work Plan indicated that soil samples would be analyzed for SVOCs if found to contain TPH at concentrations exceeding 2,000 milligrams per kilogram (mg/kg). However, TPH was not detected at concentrations exceeding 2,000 mg/kg in soil samples; therefore, additional soil samples for SVOC analyses were not conducted.

Soil samples for VOC analysis were collected using cut syringes for field sample preservation in accordance with EPA Method 5035. Soil samples were preserved in the field using pre-weighed laboratory sample containers with methanol preservative and laboratory grade water. At the beginning of the investigation, a sodium bisulfate preservative was tested on a soil sample; however, the preservative resulted in a reaction with the soil (e.g., fizzing,

effervescing). Based on this reaction, the sodium bisulfate preservative was replaced with laboratory grade deionized water. Samples, once packaged and labeled, were placed in an ice-filled chest.

Soil samples from some areas of the site also were analyzed for Stoddard solvent, a COPC found at the site. Because Stoddard solvent is not typically reported under EPA Method 8260B, the laboratory evaluated its results against a Stoddard solvent calibration standard.

Geomatrix reviewed field data (photoionization detector [PID] readings), preliminary analytical results for soil vapor samples (as available), and preliminary analytical results for soil samples. Based on the field data and preliminary analytical results, additional soil samples (originally submitted to the analytical laboratory on "hold" status) were selected for analysis.

3.3 INVESTIGATION DERIVED WASTE

Decontamination water, soil cuttings, and concrete cores are temporarily stored on-site in labeled, Department of Transportation-approved 55-gallon drums pending final disposition.

3.4 BOREHOLE BACKFILL

Shallow soil borings and soil vapor sample locations were backfilled with granular bentonite and the bentonite was hydrated in place with potable water. The top of each boring was patched to match existing surface conditions. In accordance with H&EC protocols, the three deeper soil borings were destroyed by being backfilled with cement bentonite grout through the drilling augers to approximately 10 to 15 feet below ground surface, followed by approximately 10 to 15 feet of native soil, and capped with concrete at the ground surface to match existing surface conditions.

3.5 SITE SURVEY

On December 16 and 19, 2005, Calvada Surveying, Inc., of Corona, California, surveyed the sample locations. The soil boring and soil vapor locations were surveyed with respect to a nearby benchmark and tied to the existing site grid (northing and easting coordinates) in North American Datum of 1983 (NAD 83). Ground surface elevations were measured at each location with respect to mean sea level in North American Vertical Datum of 1988 (NAVD 88). The boring and soil vapor locations were plotted on the site map (Figure 4) and survey data are included in Appendix B with the soil boring logs.

3.6 TRENCH OBSERVATIONS

As noted in the Phase I ESA (Geomatrix, 2005a), trenches and pits covered with steel plates were observed around milling and sawing equipment inside Buildings 104 and 112A. Visual observation of the interior of the trenches was not conducted at the time of the Phase I ESA; Geomatrix noted, however, that these features are concrete-lined and may contain, or have contained, oils or other fluids from machine operations. Because of the potential that oils and fluids may have leaked to the underlying soil, the trenches were observed during the Phase II assessment to document conditions (refer to Photographs in Appendix C). The observations made are summarized in the following paragraphs.

3.6.1 Building 104

Oil was not observed in the accessible trenches and pit inside Building 104 (Photograph pages C-18 through C-20). Soil and sand were observed in the trenches and pit and did not appear stained. A few trench lids and two square lids in two separate areas appeared to be cemented in place; therefore, the interiors of these features were not observed. Deeper pits (approximately 8 feet deep) associated with the saws in this building were not observed due to their proximity to the furnace. However, during the initial site visit for this Phase II work, Pechiney facility personnel were removing oily aluminum chips from the bottom of one of the pits located directly beneath one of the saws in this building. In addition, the interior of the vertical pit was inaccessible due to its depth and the interior of the pit was not observed.

3.6.2 Building 112A

A number of trenches and/or sumps were observed inside Building 112A, and our observations related to these features area provided below:

<u>#5 Mill</u>

Trenches observed around #5 Mill contained up to approximately 6 to 10 inches of oily liquid, and varying amounts of aluminum chips (Photograph pages C-1 through C-5).

<u>1st Unnamed Mill (adjacent to #5 Mill)</u>

Trenches observed around this unnamed mill contained a few inches of oily liquid with varying amounts of aluminum chips (Photograph pages C-5 and C-6).

2nd Unnamed Mill (adjacent to 1st Unnamed Mill)

Geomatrix did not observe below grade trenches around the 2nd unnamed mill; however, an oily substance was observed on the concrete flooring around the 2nd unnamed mill and may have been leaking from the machinery (Photograph page C-6).

Tysamin Saw

Geomatrix did not observe oil or other liquids in the trenches near the Tysamin Saw, but some of the trenches in this area contained aluminum chips (Photograph pages C-14 and C-15).

Hyd-Mech

One trench contained a few inches of liquid that did not appear to be oil; however, some apparent oil also was observed in the same trench (Photograph page C-16).

A second trench contained up to approximately one-half inch of liquid that did not appear to be oil, mixed with small aluminum chips and dust (Photograph page C-17). Also, some apparent oil was observed in the same trench.

Scalper & Planer Area

Trenches observed in this area contained varying amounts of oil and aluminum chips, and an oily substance was observed on the concrete surface in some areas near the Scalper and Planer (Photograph pages C-7 through C-11).

A shallow square sump (approximately 4 feet deep) was observed to contain approximately 3 feet of oily liquid (Photograph page C-8).

A deep sump (appeared to be approximately 6 feet deep or deeper) was observed and contained an oily substance (Photograph page C-10).

3.6.3 Other Features

Two square vaults (each approximately 2 feet wide) were observed between #5 Mill and the tube roll stretcher machine. In the first square vault, no oil or staining was observed. The bottom of the square vault appeared to be covered with a few inches of soil (Photograph page C-12). The second square vault contained approximately 16 inches of an oil/sludge material (Photograph page BC13). Both vaults appeared to be approximately 3 feet deep.

A vault was observed near boring location 30 (located in the work shop; Figure 4). This vault appeared to have a relatively thin layer of sediment at the bottom (estimated at approximately 3 feet bgs). Geomatrix drilled a boring adjacent to this vault and collected soil samples, and also sampled the sediment at the bottom of the vault. Analytical results associated with this vault are presented in Section 4.0.

A blind sump was observed near boring location 34 (Figure 4). Geomatrix was unable to remove the lid from this sump or estimate its depth, but it appeared that sediment was present inside the sump (Photograph page C-12). Geomatrix drilled a boring next to this sump and collected soil samples. Analytical results are presented in Section 4.0.

Oil staining was present beneath a leaking loader at location OB-1 in Building 108 (Figure 4). The oil staining was present on the surface of the concrete flooring and the concrete appeared to be in good condition without significant cracking or deterioration of the concrete surface. No soil borings were placed at this location based on the aforementioned visual observations.

A sump was observed near boring location 15 in Building 110. The drain appeared to contain soil. Geomatrix drilled a boring adjacent to this sump and collected soil samples. Analytical results associated with this sump are presented in Section 4.0.

Based on the observations described above, additional soil borings are proposed in several areas, as discussed in Section 7.0 (Summary and Conclusions).

3.7 BUILDING MATERIALS SURVEY

Hazardous building materials survey for ACM, LBP, flooring materials impacted with PCBs, and residual dusts on structures was conducted at the site by Aurora Industrial Hygiene. The results of the survey are discussed in Section 4.4 and Aurora's summary report is provided in Appendix D. The Phase II activities associated with these materials are described in the following subsections.

3.7.1 Asbestos

ACM and galbestos were identified during previous assessments at the site. An asbestos survey was conducted in the existing buildings and other suspect areas identified during the Phase I ESA (Geomatrix, 2005a). The asbestos survey was used to confirm locations and quantities of ACMs. ACM analyses were conducted using polarized light microscopy with dispersion staining (PLM). Asbestos Hazardous Emergency Response Act (AHERA) sampling

protocols were followed while conducting the asbestos survey and to identify the number of samples necessary to characterize the existing building materials.

3.7.2 Lead-Based Paint Survey

LBP was identified during previous assessments at the site. The LBP survey was conducted in general accordance with Chapter 7: Lead-Based Paint Inspection of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing. Field testing for lead using portable x-ray fluorescence equipment was conducted with confirmation samples collected for analysis of lead at an off-site laboratory. An appropriate number of samples were collected to characterize the existing building materials pursuant to HUD guidelines.

3.7.3 Concrete and Building Materials Survey for PCBs

Based on the Phase I findings, it appeared that PCB-impacted building materials might be present at the site, and might include wood block flooring, concrete flooring, and Galbestos siding. In addition to PCBs, the Galbestos siding also may contain metals, and this material was elevated for LBP and metals. Discrete samples of the wood block flooring, Galbestos siding, and residual dust were collected by Aurora and analyzed for PCBs. Residual dust samples also were analyzed for metals.

In addition, Geomatrix collected concrete core samples for PCB analysis in areas proposed for the assessment of the PCBs in concrete flooring (noted as Area 13 on Figure 5). For each concrete core, the upper 2 to 3 inches of the core were removed and placed in new laboratory-provided 8-ounce glass jars for shipment to the laboratory. At 9 core locations, the bottom few inches of the core were removed and analyzed.

The core samples were placed in an ice-filled cooler for transportation to American Analytical laboratory for PCB analysis. Concrete cores submitted to the laboratory for analysis were first crushed by the laboratory prior to sample extraction and analysis.

4.0 ANALYTICAL RESULTS

This section presents a summary of the analytical results of the samples collected during this assessment. Laboratory analytical results are summarized on Tables 4 through 9. Copies of the laboratory reports and chain-of-custody documents for the samples are presented in Appendix E.

4.1 SOIL VAPOR ANALYTICAL RESULTS

Sixty-four soil vapor samples (excluding duplicate samples) were collected from 32 sampling locations and analyzed for VOCs and Stoddard solvent (Table 4). Thirty three soil vapor samples had reported concentrations of one or more VOCs. A summary of the frequency of detection and the reported concentration range of each compound detected in soil vapor is provided below (duplicate sample results are not included):

Compounds in Soil Vapor	Frequency of Detection	Detected Concentration Range in Soil Vapor (micrograms per liter [µg/l])
carbon tetrachloride	1 out of 64 samples	0.27
chloroform	7 out of 64 samples	1.2 – 3.8
1,1-dichloroethene (1,1-DCE)	9 out of 64 samples	0.40 – 15
cis-1,2-dichloroethene (cis-1,2-DCE)	1 out of 64 samples	0.61
tetrachloroethene (PCE)	22 out of 64 samples	0.22 – 68
toluene	2 out of 64 samples	0.40 – 0.51
1,1,1-trichloroethane (1,1,1-TCA)	5 out of 64 samples	0.56 – 3.8
TCE	33 out of 64 samples	0.66 – 1600
Stoddard solvent	5 out of 64 samples	530 – 890
m,p-xylenes	1 out of 64 samples	0.48

TCE and PCE were the most frequently detected VOCs at the site, and the sample locations where these compounds were detected in soil vapor are shown on Figure 4.

Twenty of the samples with reported detections of TCE were collected in Building 106. Based on the detection of TCE in soil vapor samples from this area, Geomatrix selected additional soil samples for analysis of VOCs to confirm the presence of the VOCs in soil vapor. The soil samples selected for analysis were collected from boring locations 8, 17, 20 and 77.

4.2 SOIL ANALYTICAL RESULTS

Soil samples were analyzed for VOCs using EPA Method 8260B/5035, TPHcc using EPA Method 8015M, Stoddard solvent using EPA Method 8260B/5035, and PCBs using EPA Method 8082. In addition, 17 soil samples were analyzed for total metals using EPA Methods 6010B/7000 and 7471A and two soil samples were analyzed for SVOCs using EPA Method 8270C. The results of these analyses are presented below.

4.2.1 Volatile Organic Compounds

A total of 42 soil samples were analyzed for VOCs using EPA Method 8260B/5035 (Table 5). A summary of the frequency of detection and the reported concentration range of each VOC detected in soil is provided below (duplicate sample results are not included):

Compounds in Soil	Frequency of Detection	Detected Concentration Range in Soil (micrograms per kilogram [µg/kg])
acetone	3 out of 42 samples	60 – 85
n-butylbenzene (n-BB)	1 out of 42 samples	7800
isopropylbenzene (IPB)	1 out of 42 samples	850
naphthalene	3 out of 42 samples	10 – 5400
n-propylbenzene (n-PB)	2 out of 42 samples	7.2 – 2800
PCE	6 out of 42 samples	5.0 – 61
ethylbenzene	1 out of 42 samples	8.6
toluene	8 out of 42 samples	2.1 – 5.7
TCE	14 out of 42 samples	7.9 – 3700
1,3,5 – trimethylbenzene (1,3,5-TMB)	2 out of 42 samples	25 – 9400
1,2,4 – trimethylbenzene (1,2,4-TMB)	3 out of 42 samples	16 – 37,000
m,p – xylenes	5 out of 42 samples	2.4 – 1000
o-xylenes	3 out of 42 samples	3.6 – 660

The samples locations where these compounds were detected in soil are shown on Figure 5.

4.2.2 Total Petroleum Hydrocarbons and Stoddard Solvent

A total of 74 soil samples were analyzed for TPHcc using EPA Method 8015M and 43 samples were analyzed for Stoddard solvent using EPA Method 8260B/5035 (Table 6). The carbon chains were broken into the gasoline range (C6-C12), diesel range (C12-C22), and heavier hydrocarbon ranges (C22-C44). A summary of the frequency of detections and reported concentration range of each range of petroleum hydrocarbons and Stoddard solvent is provided below:

Petroleum Hydrocarbon Range	Frequency of Detection	Detected Concentration Range in Soil (mg/kg)
gasoline-range	2 out of 74 samples	9.8 – 420
diesel-range	7 out of 74 samples	2.3 – 365.3
heavy hydrocarbon-range	7 out of 74 samples	15.5 – 853.2
Stoddard solvent	3 out of 37 samples	1.6 – 890

The samples locations where petroleum hydrocarbons were detected in soil are shown on Figure 5.

4.2.3 Polychlorinated Biphenyls

82 soil samples were collected by Geomatrix and analyzed for PCBs using EPA Method 8082 (Table 7). Detected PCBs included Aroclors 1248 and 1260. A summary of the frequency of detection and the reported concentration range of total PCBs detected in these samples is provided below:

Compound	Frequency of Detection	Detected Concentration Range (µg/kg)
Soil (Aroclors 1248 and 1260)	17 out of 82 samples	62 – 2,000,000

The samples locations where PCBs were detected in soil are shown on Figure 6.

4.2.4 Total Metals

Twenty soil samples and one sediment sample (from the sump located adjacent to boring location 30) were analyzed for total metals using EPA Test Method 6010B/7000 and 7471A (Table 8). Four soil samples were analyzed for Cr(VI) using EPA Method 7199. A summary of the frequency of detection and the reported concentration range of detected metals in the soil samples (including the sediment sample from the sump at boring location 30) is provided below:

Metals in Soil	Frequency of Detection	Detected Concentration Range in Soil (mg/kg)
arsenic (As)	6 out of 20 samples	0.78 – 4.0
barium (Ba)	20 out of 20 samples	36 – 150
beryllium (Be)	1 out of 20 samples	2.8
cadmium (Cd)	1 out of 20 samples	1.7
chromium (Cr)	20 out of 20 samples	5.5 – 23
Cr(VI)	1 out of 4 samples	0.35
cobalt (Co)	20 out of 20 samples	4.2 – 11
copper (Cu)	20 out of 20 samples	7.1 – 510
lead (Pb)	18 out of 20 samples	4.6 – 140
nickel (Ni)	15 out of 20 samples	3.7 – 12
vanadium (V)	20 out of 20 samples	15 – 70
zinc (Zn)	20 out of 20 samples	17 – 270
mercury (Hg)	20 out of 20 samples	0.032 – 0.084

4.2.5 Semivolatile Organic Compounds

Two soil samples were analyzed for SVOCs using EPA Method 8270C. SVOCs were not detected in these soil samples (Table 9).

4.3 CONCRETE ANALYTICAL RESULTS

Twenty-six concrete samples were analyzed for PCBs using EPA Method 8082. Analytical results for concrete samples are shown in Table 6 and summarized below.

PCBs in Concrete	Frequency of Detection	Detected Concentration Range (µg/kg)
Aroclor 1248	19 out of 26 samples	100 – 3,300,000

The samples locations where PCBs were detected in concrete are shown on Figure 6.

4.4 BUILDING MATERIALS SURVEY ANALYTICAL RESULTS

A summary of the results of the hazardous building materials survey conducted by Aurora are provided below. Details regarding sample location, material, and/or surface type samples are presented in the Hazardous Materials Survey Report for Pechiney Cast Plate Facility (Aurora, 2005) provided as Appendix D.

4.4.1 Asbestos

A total of 115 bulk samples were collected and analyzed by polarized light microscopy (PLM). Asbestos (>1%) was detected in vinyl floor tiles and mastics in Buildings 112/112A and Ingot office, textured paints on the interior and columns in Buildings 104/106/108), HVAC sealant at the Ingot office, corrugated wall panels (Galbestos panels) in Buildings 104/106/108/110/-112/112A, roofing Building 106/108/110/112/112A, roofing mastic throughout, insulation debris on the roof of Building 104. Damaged materials were observed in Building 112A and on the roof of Building 104. A summary of the frequency of detection and reported concentration range of asbestos detected in bulk samples is provided below.

Sample Location	Frequency of Detections	Asbestos Detected Concentration Range in Bulk Samples (% Chrysotile)
Building 112A Locker Room	5 out of 31 samples	2 – 5[(a)]
Building 112A Materials Handling Offices	3 out of 18 samples	3[(b)]
Ingot Offices	2 out of 20 samples	4 – 7[(b)]
Building 112A Main Area	3 out of 3 samples	35
Buildings 112/110/108/106	3 out of 3 samples	35
Building 112A Roof	6 out of 6 samples	5 – 10
Buildings 112/110/108/106 Roof	7 out of 10 samples	3 – 20
Building 104 Roof	6 out of 12 samples	10 – 35
Building 104 East	2 out of 2 samples	8 – 10
Building 104 West	1 out of 1 samples	10
Building 104 Columns	1 out of 1 samples	2
Buildings 108/106	2 out of 2 samples	5 – 10

(a) <1% in 1 sample.
(b) <1% in 3 samples.

4.4.2 Lead-Based Paint

A total of 229 painted surfaces of various components were sampled using X-ray fluorescence (XRF) with a NITON instrument. A reading of >0.7 milligrams per square centimeter (mg/cm^2) was considered positive for lead-based paint, in accordance with Los Angeles County regulations for LBP inspection. LBP paint was detected on a number of painted surfaces throughout the facility (including yellow, white, gray, and tan painted surfaces). Painted surfaces ranged in conditions from intact to poor. A summary of the frequency of detection and reported concentration ranges of lead detected in painted surfaces is provided below.

Sample Location	Frequency of Detections	Lead Detected Concentration Range in Painted Surfaces (mg/cm^2)
Ingot Offices Exterior	10 out of 13 samples	0.03 – 24
Buildings 112A/112/110/108/106 Exterior	29 out of 46 samples	0.01 – 6.3
Building 112A Locker Room	9 out of 9 samples	0.01 – 0.36
Building 112A Main Area	22 out of 23 samples	0.01 – 24
Building 112A Materials Handling Offices	3 out of 5 samples	0.12 – 0.3
Building 112A Security Office	1 out of 6 samples	0.04
Building 110	4 out of 4 samples	0.01 – 6.5
Building 106 Men's Restroom	3 out of 7 samples	0.01 – 25
Building 106 Women's Restroom	1 out of 3 samples	0.1
Building 112 Men's Restroom	4 out of 4 samples	0.03 – 5.1
Building 112 Women's Restroom	6 out of 7 samples	0.06 – 5.1
Buildings 112/110/108/106 Main Area	26 out of 29 samples	0.01 – 19
Building 112 Main Area	2 out of 2 samples	0.01 – 5.1
Building 104 Exterior	18 out of 26 samples	0.01 – 18
Building 104 Locker Room	3 out of 4 samples	0.01 – 0.31
Building 104 Main Area	20 out of 22 samples	0.02 – 19
Building 104 North Restroom	9 out of 9 samples	0.01 – 5.7
Building 104 Offices	6 out of 9 samples	0.01 – 4.7

4.4.3 PCBs

A total of 26 dust-wipe samples and five bulk samples were collected and analyzed for PCBs using NIOSH Method 8082 and PCBs by Gas Chromatography, respectively. PCBs were detected in wipe samples taken from the concrete floors, remaining wood block floors, steel I-beam flanges, wall trusses, column footings, and the tops of electrical panels. PCBs were detected in bulk samples collected from the Galbestos siding and wood block flooring. A summary of the frequency of detection and concentration range of total PCBs detected in dust-wipe and bulk samples is provided below.

Dust-Wipe Sample Location	Frequency of Detections	Total PCB Detected Concentration Range in Dust-Wipe Samples (microgram per square foot [µg/ft^2])
Building 112A	7 out of 8 samples	8.91 – 360
Building 112	6 out of 2 samples	2.43 – 392.37
Building 110	1 out of 1 samples	21.2
Building 108	2 out of 2 samples	44.4 – 73.2
Building 106	3 out of 3 samples	10.1 – 385.17
Building 104	9 out of 10 samples	3.00 – 87.2

Bulk Sample Location	Frequency of Detections	Total PCB Detected Concentration Range in Bulk Samples (µg/kg)
Building 112A	3 out of 3 samples	181 – 1,480
Building 112	1 out of 1 samples	14,500
Building 104	1 out of 1 samples	22,700

4.4.4 Metals

A total of 24 dust-wipe samples and three bulk samples were collected and analyzed for metals using EPA Method 6010B/7471A, CCR Title 22 Metals (TTLC). Metals were detected in the wipe samples collected from concrete floors, remaining wood block floors, l I-beam flanges, wall trusses, and column footings. A summary of the frequency of detection and concentration range of metals detected in dust-wipe and bulk samples is provided below.

Metals Dust-Wipe Samples	Frequency of Detections	Detected Concentration Range (µg/ft^2)
mercury (Hg)	1 out of 24 samples	1.84
antimony (Sb)	24 out of 24 samples	2.40 – 139.31
arsenic (As)	24 out of 24 samples	2.37 – 128.15
barium (Ba)	24 out of 24 samples	74.8 – 2,683
beryllium (Be)	16 out of 24 samples	0.60 – 24.69
cadmium (Cd)	24 out of 24 samples	0.80 – 222.1
chromium (Cr)	24 out of 24 samples	16.1 – 1,343
cobalt (Co)	24 out of 24 samples	2.06 – 16,2.35
copper (Cu)	24 out of 24 samples	392 – 19,500
lead (Pb)	24 out of 24 samples	84.0 – 26,062
molybdenum (Mo)	24 out of 24 samples	2.98 – 70
nickel (Ni)	24 out of 24 samples	40.4 – 1,030
selenium (Se)	22 out of 24 samples	0.73 – 19.37
silver (Ag)	18 out of 24 samples	0.92 – 50
vanadium (V)	11 out of 24 samples	2.72 – 94.1
zinc (Zn)	24 out of 24 samples	921 – 68,035

Metals in Bulk Samples	Frequency of Detections	Detected Concentration Range (mg/kg)
arsenic (As)	1 out of 3 samples	0.30
barium (Ba)	3 out of 3 samples	9.73 – 14.7
chromium (Cr)	3 out of 3 samples	0.93 – 3.02
cobalt (Co)	1 out of 3 samples	0.53
copper (Cu)	3 out of 3 samples	4.15 – 79.5
lead (Pb)	3 out of 3 samples	4.96 – 14.5
nickel (Ni)	3 out of 3 samples	0.79 – 26.9
selenium (Se)	3 out of 3 samples	0.60 – 1.04
zinc (Zn)	3 out of 3 samples	23.4 – 95.8

5.0 FIELD AND LABORATORY QA/QC PROCEDURES AND RESULTS

As part of the Phase II ESA, specified QA/QC procedures were used during sampling and laboratory analysis. These activities are described in the following subsections along with the summary of the QA/QC results.

5.1 QA/QC SAMPLES FOR SOIL

Several types of QA/QC samples were taken to assure the quality of the data obtained during and following sampling. The types of field and laboratory QA/QC samples are described in the following subsections.

5.1.1 Field Quality Control Samples for Soil

Trip blank and equipment blank samples were used to evaluate the potential for cross contamination due to sample transport and sample collection. The following are included in the field QA/QC samples collected during the implementation of the Phase II ESA.

- Trip Blank Samples. Trip blanks were included to evaluate the potential for cross-contamination of VOC samples during transport. One trip blank was submitted with each sample cooler containing samples to be analyzed for VOCs and/or Stoddard solvent. The blanks were prepared by the analytical laboratory. Sample numbers for trip blanks were labeled as "TP-date," followed by a consecutive two-digit number indicating trip blank sample each day (i.e., TP-080505-01). VOCs and/or Stoddard solvent were not detected in the trip blank samples analyzed.

- Equipment Blank Samples. Equipment blanks primarily provide a check on possible contamination from sampling instruments used to collect and transfer samples from the point of collection into sample containers. Equipment blanks were prepared by pouring laboratory provided DI water over the decontaminated sample equipment and collecting the water in the appropriate containers. Equipment blanks were collected at a rate of one per 20 sampling events (5 percent). At a minimum, one equipment blank was collected each day. The equipment blank samples were placed on hold. No anomalous soil results were observed that would warrant the analyses of the equipment blanks, with the exception of one equipment blank sample (EB-112205-01). EB-112205-01 was analyzed for Cr(VI), which was not detected in the equipment blank sample.

In addition, temperature blanks were placed in each cooler shipped to the laboratory. Temperature blanks were provided by the laboratory and were used to obtain a representative temperature of the cooler upon laboratory receipt of the cooler containing samples. Soil samples were contained in ice-chilled coolers and submitted to the laboratory under chain-of-

custody procedures. Sample cooler temperatures were within laboratory acceptable ranges (reported between 2º and 6º Centigrade).

5.1.2 Laboratory Quality Control Samples for Soil

The soil samples collected during the Phase II ESA were analyzed by a laboratory certified for the test methods used by the California Department of Health (DHS) Environmental Laboratory Accreditation Program (ELAP). The laboratory analyses were conducted in accordance with procedures outlined in the USEPA SW-846 test methods manual, and samples were analyzed within the method required holding times, with the exception of shallow soil samples collected from boring 40. At boring 40, soil samples were collected at 5-foot intervals to a depth of 71.5 feet bgs. As specified in the Work Plan, soil samples collected at approximately 31, 41, 51, 61 and 71 feet bgs were analyzed for PCBs. Soil samples were selected for analysis to target the depth (30 to 70 feet bgs) of the hydraulic lift located below the vertical pit in Building 104. The remaining soil samples collected from the boring were placed on hold. Based on the detection of PCBs in the soil samples collected from depths between approximately 30 and 70 feet bgs, additional soil samples originally placed on hold from this boring were analyzed for PCBs. The additional soil samples were analyzed between 11 and 13 days past the 14 day holding time. Although these samples were analyzed beyond the hold time, elevated concentration of PCBs were detected in the samples. The associated sample results were qualified as estimated concentrations with a “J” qualifier.

Laboratory QC acceptance criteria that were applied to samples analyzed during the Phase II ESA met SW-846 requirements. Four types of laboratory QC samples were used to account for variability and evaluate potential contamination in various stages of the analytical process. Laboratory QC samples included matrix spike/matrix spike duplicates (MS/MSD), method blanks, surrogate spike recoveries (as appropriate for each analytical method), and laboratory control samples/laboratory control sample duplicates (LCS/LCSD). The percent recoveries (%R) and relative percent differences (RPDs) for the LCS/LCSD and MS/MSD, laboratory control spike (LCS) samples, and surrogate spike samples were within laboratory acceptable limits with the exceptions listed below.

- MS/MSD %R and RPD were reported within acceptable limits for soil with the exceptions listed below.
    - MS %R for 1,1-DCE were below acceptable limits for soil samples collected on December 1, 2005, November 18, 2005, and November 30, 2005. The associated MS/MSD RPD and LCS recoveries were within acceptable limits and no data were qualified.

- MSD %Rs for zinc were below acceptable limits for soil samples collected on November 21, 2005, November 22, 2005, and November 28, 2005. The associated MS/MSD and LCS/LCSD RPDs were within acceptable limits and no data were qualified.

- MS/MSD samples for PCBs analyses were not prepared for samples collected on December 2, 5, and 9, 2005 due to matrix interference and/or elevated PCB concentrations in the samples. The LCS and/or LCS/LCSD RPDs were with acceptable limits and no data were qualified.

- LCS/LCSD recoveries were within acceptable limits for the soil samples with the exceptions listed below.

  - LCS %R for carbon tetrachloride was below acceptable limits for soil samples collected on November 16, 2005 and November 18, 2005. The associated LCS/LCSD and MS/MSD RPDs were within acceptable limits and no data were qualified.

  - LCS %R for two SVOCs 2-chloronaphthalene and 2,4,6-trichlorphenol were below acceptable limits for soil samples collected on November 28, 2005. No MS/MSD samples were analyzed. The associated surrogate recovers for the soil samples were within acceptable limits. No data were qualified.

  - LCS %R for bromoform was below acceptable limits for soil samples collected on December 13, 2005. VOCs were not detected in the MS sample and an MSD sample was within acceptable %R limits. An RPD was not calculated by the laboratory due to VOCs not detected in the MS samples.

- Surrogate spike recoveries were reported within acceptable limits for the soil samples with the exceptions listed below.

  - Sample surrogate spike recoveries for PCB in soil samples 02-SS-3.2, 30-SS-3.5, 39, 30-SS-6.3, 30-SS-9.6, 36-SS-7.5, 38-SS-8.1, 39-SS-2, 40-SS-31.5, 40-SS-41.5, 40-SS-51.5, 40-SS-61.5, 40-SS-71.5, 47-SS-6.2, 47-SS-11.0, 70-SS-8.8, 70-SS-14.3, 70-SS-2.0, 71-SS-2.3, 72-SS-10.8, 72-SS-20.8, and 73-SS-0.3, and concrete samples 02-CS-0.3, 05-CS-0.3, 10-CS-0.3, 16-CS-0.3, 15A-CS-0.3, 17-CS-0.3, 18-CS-0.3, 18-CS-0.3b, 19-CS-0.3, 19-CS-0.3b, 21-CS-0.3, 26-CS-0.3, 27-CS-0.3, 35-CS-0.3, 36-CS-0.3, 41-CS-0.3, 41-CS-0.3b, 73-CS-0.3b, and 74-CS-0.3 were below the acceptable limits (an in some cases at zero percent) due to sample dilution and matrix interference. For these samples either the LCS and/or the MS/MSD %R or RPDs were within acceptable limits, and no data were qualified.

  - Sample surrogate spike recoveries for VOCs in soil samples 01-SS-3.0, 01-SS-6.5, 13-SS-6.5 were below acceptable limits for one of three surrogates. Soil samples 30-SS-6.3, 30-SS-9.6, and 34-SS-3.1 were below acceptable limits for two of three surrogates. For these samples either the LCS and/or

the MS/MSD %R and RPDs were within acceptable limits, and no data were qualified.

5.2 QA/QC PROCEDURES AND RESULTS FOR SOIL VAPOR

Soil vapor samples were analyzed for the 23 list of target VOCs and Stoddard solvent by gas chromatography / mass spectrometry (GC/MS) using EPA Method 8260B modified for soil vapor. Initial and daily-mid-point calibrations were included with the analyses.

During the survey the mobile laboratory included surrogate spike compound recoveries, laboratory blank samples, laboratory LCS, and laboratory duplicate samples in general accordance with the Joint Advisory. These laboratory QA/QC sample results included the items listed below.

- Surrogate spike recoveries were reported within laboratory acceptable limits for each vapor sample with the exceptions listed below.
  - In sample 02-SV-15 two of the three surrogates were reported below the acceptable limits. Initial sample results were qualified as estimated concentrations with a "J" qualifier. The samples were recollected and analyzed and all three surrogates were reported within acceptable limits.
  - In sample 08-SV-5.0, one of the three surrogates was above the acceptable limit and no data were qualified.
  - In samples 59-SV-5.0 and 59-SV-15-Dup, one of the three surrogates was above acceptable limits and no data were qualified.
  - In sample 76-SV-15.0, one of three surrogates was reported above the acceptable limit and no data were qualified.
- No compounds were detected in the laboratory blank samples.
- LCS %Rs were reported within laboratory acceptable limits with the exceptions listed below.
  - November 14, 2005 LCS %R for Stoddard solvent was above acceptable limits. For the samples collected on November 14, 2005, Stoddard solvent was not detected in vapor samples and surrogate spike recoveries were within acceptable limits. No data were qualified.
  - November 23, 2005 LCS %Rs for chloroethane, 1,1-DCA, 1,1-DCE, methylene chloride, and 1,1,2-tetrachlorethane were above acceptable limits. For the samples collected on November 23, 2005, Stoddard solvent was not

detected in vapor samples and surrogate spike recoveries were within acceptable limits. No data were qualified.

- December 2, 2005 LCS %R for carbon tetrachloride and 1,1-DCA were above acceptable limits. For the samples collected on December 2, 2005, these compounds were not detected in vapor samples and surrogate spike recoveries were within acceptable limits. No data were qualified.

- December 5, 2005 LCS %R for carbon tetrachloride, chloroethane, 1,1-DCA, 1,1,1-TCA, vinyl chloride, and Stoddard solvent were above acceptable limits. LCS %R for methylene chloride were below the acceptable limits. For the samples collected on December 5, 2005, these compounds were not detected in vapor samples and surrogate spike recoveries were within acceptable limits. No data were qualified.

- Laboratory duplicate samples were analyzed daily from vapor samples collected at the site. RPDs for these samples range from 29.6 percent (TCE) to 72.5 percent (TCE). No data were qualified.

During the soil vapor survey the following field QA/QC samples were collected and analyzed for the items listed below.

- Ambient air blanks were collected and analyzed during each day of sampling. No VOCs or Stoddard solvent were detected in the ambient air samples.

- IPA was used as the ambient air leak check compound at each soil vapor sample location. IPA was not detected in the soil vapor samples during this investigation.

- Duplicate soil vapor samples were collected at a frequency of 10 percent of the total samples collected. The RPDs for the primary and duplicate samples with VOC detections ranged between 0 and 58.1 percent.

Reporting limits for target soil vapor compounds were consistent with the Joint Advisory reporting limits of 1.0 µg/l, with a few exceptions. Higher reporting limits were obtained because some compounds (TCE and Stoddard solvent) had concentrations greater than the calibration range and required dilution. In these cases, reanalysis of the samples was required to obtain a compound concentration within the range of the instrument calibration. Soil vapor analytical results that exceed the calibration range were qualified as estimated concentrations outside the range of calibration with an “E” qualifier.

6.0 DATA EVALUATION

Soil data collected during the Phase II investigation were evaluated using a stepped screening process to evaluate the potential for groundwater impacts and potential dermal exposures to

shallow soil containing COPCs. The potential for groundwater impacts related to COPCs detected in soil was evaluated using screening levels from the May 1996 RWQCB Interim Site Assessment and Cleanup Guidebook (RWQCB Guidebook, 1996, and updated May 2004), and United States EPA Region IX Industrial Preliminary Remediation Goals (PRGs) and PRG dilution attenuation factor of 20 (DAF20). Soil containing metals also was compared to California background concentrations and waste characterization criteria. The screening levels used to evaluate the data are included with Phase II results on Tables 4 through 9.

The initial step of the screening process was to evaluate the soil vapor results collected during the investigation to assess potential impacts and the need to collect additional soil samples. Based on the soil vapor results obtained in Building 106, addition soil samples were collected and analyzed for VOCs are described in Section 3.2.1.

The second step of data evaluation included a comparison of the Phase II soil sample results to the following regulatory screening levels:

- RWQCB Guidebook for petroleum hydrocarbons and aromatic hydrocarbons (BTEX compounds) in soil (the selected screening levels were taken from Table 4-1 assuming a sand lithology and a depth to groundwater of 145 feet);
- USEPA Region IX Industrial PRGs for VOCs, SVOCs, PCBs, and metals;
- USEPA PRGs Dilution Attenuation Factors at 20 (DAF20) for VOCs, SVOC, and metals, where available;
- California Background Concentrations of Trace and Major Elements in California Soil (Bradford, et. al., March 1996); and
- California Code of Regulations, Title 22, Total Threshold Limit Concentration (TTLC) and Soluble Threshold Limit Concentration (STLC) for metals and PCBs in building materials (waste characterization), where applicable.

Although not included in this screening evaluation, the California Environmental Protection Agency (Cal-EPA) office of Environmental Health Hazards Assessment (OEHHA) has developed California Human Health Screening Levels (CHHSLs) for a limited number of chemicals (OEHHA, 2005). The CHHSLs for soil vapor were developed to be protective for exposure to chemicals moving through the subsurface to indoor air. Comparison of soil vapor analytical results with CHHSLs can indicate whether further assessment, including consideration of site-specific subsurface conditions and future land use, may be necessary to evaluate the indoor air exposure pathway.

6.1 VOLATILE ORGANIC COMPOUNDS

The following subsections provide a summary of the soil vapor results and the soil screening evaluation for VOCs in soil samples.

6.1.1 Soil Vapor

A soil vapor survey was conducted in Building 106, in the area of the former Stoddard solvent USTs, and on Parcel 6. The soil vapor data were used to assess the presence of impacted soil. Based on the soil vapor survey, chlorinated VOCs were detected in shallow soil vapor collected in Building 106. Stoddard solvent was detected in shallow soil vapor near the former Stoddard solvent USTs. With the exception of a low detection of toluene and PCE, VOCs were not detected in soil vapor on Parcel 6. The soil vapor results are summarized below and are listed in Table 4.

Building 106

TCE was detected during previous site assessment activities at a concentration of 140 µg/kg in soil samples from depths of 55 feet in borings H106-2 and H106-3 (MKC, 1996). Fuel constituents, including benzene, were detected in soil at depths between 80 and 140 feet bgs (borings H106-5 and H106-7) beneath the southern part of the building. Based on these data and the lack of historical shallow soil data from the area, a soil vapor survey including sampling at depths of 5 and 15 feet was conducted in this building. The results of the soil vapor survey indicated the presence of VOCs in soil vapor. TCE was detected at the highest concentration (1600 µg/l) in the northwest corner of the building (sample point 12 located near column A2). Fuel-related VOCs and Stoddard solvent were not detected in soil vapor in this building. Based on the detection of TCE, additional soil samples were collected and analyzed for VOCs from Building 106. Soil data confirmed the presence of VOCs in soil.

Former Stoddard Solvent USTs

Stoddard solvent was detected at only one sample location (50) advanced in the area with known soil impacts associated with Stoddard solvent. Stoddard solvent was detected between 720 and 830 µg/l at this location. Stoddard solvent impacts in soil beneath the site appear to remain in shallow soil east of Building 112A. No chlorinated VOCs were detected in soil vapor from this area of the site.

Parcel 6

Within Parcel 6, vapor points were placed in areas of surface staining and near remaining concrete slabs (i.e., former foundations). With the exception of trace detections of PCE (0.22 and 0.40 µg/l) and toluene (0.51 to 0.40 µg/l) at sample locations 63 and 67, respectively, VOCs were not detected in soil vapor samples collected from Parcel 6. Based on the relative absence of detected VOCs in soil vapor, soil sampling was not conducted within Parcel 6.

6.1.2 Soil

Forty-two of the soil samples collected from Buildings 104, 106, 108, 110, and 112A, storm water outfall #7 and adjacent to former substation #8 were analyzed for VOCs (Table 5). The concentrations of VOCs detected in these soil samples were below the screening levels, with the exception of TCE in seven soil samples, PCE in one soil sample, and naphthalene in one soil sample. Soil samples with detected concentrations of VOCs above the screening levels are summarized below.

- Boring 14 was advanced to 48.5 feet bgs in the northern portion of Building 106. Soil samples collected from this boring at depths of 6.5, 11.5, 21.5, 31.5, 43.5, 46.5, and 48.5 contained TCE (83 to 3700 µg/kg) and PCE (8.4 and 61 µg/kg). No other VOCs were detected in these soil samples. The highest concentrations of TCE and PCE were detected in a fine-grained soil at 46.5 and 48.5 feet bgs, respectively. The concentrations of TCE and PCE in the soil samples are below the industrial PRGs (6500 and 1300 µg/kg, respectively), but in some cases are above the DAF20 (60 µg/kg).

- Boring 17 was advanced to a depth of 6.3 feet bgs in Building 108. Soil samples collected from this boring at depths of 2.7 and 6.3 feet bgs contained TCE (92 and 94 µg/kg). PCE (5.0-7.2 µg/kg) and toluene (2.5 µg/kg) were detected in soil at 6.3 feet bgs. The concentrations of TCE, PCE, and toluene in the soil samples are below the industrial PRGs (6500, 1300, and 520,000 µg/kg, respectively), but the detected concentrations of TCE are above its DAF20 (60 µg/kg).

- Boring 34 was advanced adjacent to the blind sump located in the hazardous materials storage area in Building 112A. This area coincides with historical soil impacts related to Stoddard solvent. The soil samples collected at 11.1 feet bgs contained n-BB (7800 µg/kg), IPB (850 µg/kg), naphthalene (5400 µg/kg), n PB (2800 µg/kg), 1,3,5-TMB (9400 µg/kg), 1,2,4-TMB (37,000 µg/kg), and total xylenes (1660 µg/kg). Toluene (2.5 µg/kg), naphthalene (10 µg/kg) and 1,2,4-TMB (16 µg/kg) were detected in soil at 6.9 feet bgs. The detected compounds in soil at this boring are consistent with a suite of compounds associated with Stoddard solvent. The concentration of naphthalene detected in the sample from 11.1 feet bgs exceeds the industrial PRG. With the exception of naphthalene, the concentrations of the detected compounds are below the screening levels.

VOCs were detected in soil at concentrations below their screening levels at the following eight boring locations:

- Boring 43 in Building 104;
- Boring 8 in Building 106;
- Boring 13 in Building 106;
- Boring 20 in Building 108;
- Boring 30 adjacent to a sump feature located between columns D45 and E45;
- Boring 35 in an area of stained concrete flooring located between the hazardous materials and the satellite hazardous waste storage areas;
- Boring 36 near the satellite hazardous waste storage area;
- Boring 51 outside the southeastern corner of Building 112A in an area where oily chips and oil staining were observed on the asphalt; and
- Boring 77 outside of Building 106 along the north side of former substation 8.

6.2 TOTAL PETROLEUM HYDROCARBONS AND STODDARD SOLVENT

Seventy-four samples collected from Buildings 104, 106, 108, 110, and 112A, the cooling tower area, storm water outfall #7, and adjacent to former substation #8 were analyzed for TPHcc (Table 6). Thirty-seven soil samples also were analyzed for Stoddard solvent. The concentrations of gasoline-range, diesel-range, and heavier hydrocarbons reported in the soil samples were below their RWQCB screening levels. Although reported concentrations are below the screening levels, petroleum hydrocarbon compounds were detected in soil from the following borings:

- Boring 13 in the southern portion of the Building 106;
- Boring 34 adjacent to the blind sump;
- Boring 30 adjacent to a sump feature located between columns D45 and E45;
- Boring 36 near the satellite hazardous waste storage area;
- Boring 46 adjacent to the hot well of the cooling tower area (where a drum used to contain oil separated from the cooling tower water is located); and
- Boring 47 in the area of storm water outfall 6.

6.3 METALS

Thirteen soil samples collected from Buildings 64, 104, 106, 112, and 112A, the cooling tower area, and storm water outfalls #6 and #7 were analyzed for total metals (Table 8). The concentrations of metals in the soil samples were below their screening levels and the maximum California background concentrations for metals, with the exception of soil from six borings. The metals results from the six borings are described below.

- Boring 22 was advanced in the area of a former etch station along the east wall of Building 112. Soil collected at a depth of 2.6 feet contained lead at a concentration of 82 mg/kg. Lead was reported at a lower concentration (12 mg/kg) in soil from a depth of 6.5 feet bgs. Although the lead concentration in soil at 2.6 feet is below the screening levels, it is above 10 times STLC (50 mg/kg). This sample was further tested for the leachable concentration of lead using the Waste Extraction Test method and lead was detected at 5.1 milligrams per liter (mg/l). The concentration of extractable lead is above the STLC criteria for hazardous waste for lead of 5 mg/l.

- Boring 30 was advanced adjacent to a sump feature located between columns D45 and E45. Sediment within the sump (30-SS-3.5) contained copper (11,000 mg/kg), lead (87 mg/kg), chromium (200 mg/kg), and zinc (5800 mg/kg). These reported concentrations are greater than 10 times their STLCs. This sample was further tested for the leachable concentrations of chromium, copper, lead, and zinc using the Waste Extraction Test method. Copper was detected at 310 mg/l, which exceeds STLC criteria for hazardous waste for copper of 25 mg/l. Lead was detected at 0.72 mg/l, which is below the STLC criteria for hazardous waste for lead of 5 mg/l. Chromium was detected at 2.6 mg/l, which is below the STLC for chromium of 5 mg/l. Zinc was detected at 120 mg/l, which is below the STLC for zinc of 250 mg/l.

- Boring 30 was advanced adjacent to a sump feature located between columns D45 and E45; boring 38 was advanced near storm water outfall #7 to a total depth of 16 feet bgs; boring 46 was advanced near the cooling tower to a total depth of 21.1 feet bgs; and boring 47 was advanced near storm water outfall #6 to a total depth of 11 feet bgs. Soil samples collected from these borings contained arsenic at concentrations (0.78 to 4.0 mg/kg) above the PRG of 0.25 mg/kg. The arsenic concentrations are below the California background level of 11 mg/kg.

- Boring 42 was advanced in an earthen area of Building 64 and a sample was collected at a depth of 2.2 feet. Refusal on a concrete surface occurred at a depth of 3.3 feet bgs. Soil collected at depth of 2.2 feet contained copper (510 mg/kg), lead (140 mg/kg), and zinc (270 mg/kg) at concentrations below their industrial PRGs but above California background levels. Copper and lead were detected at concentrations greater than 10 times their STLCs (250 and 50 mg/kg, respectively). This sample was further tested for the leachable concentrations of copper and lead

using the Waste Extraction Test method which were detected at 0.25 and 81 mg/l, respectively. Lead exceeds the STLC criteria for hazardous waste of 5 mg/l.

- Boring 47 was advanced near storm water outfall #6. Soil samples collected from a depth of 6.2 feet contained lead at a concentration greater than 10 times its STLC (50 mg/kg) and copper above the maximum California background level (96.4 mg/kg). This sample is being further tested for the leachable concentrations of lead using the Waste Extraction Test method. Lead was detected at 2 mg/l, which is below the STLC criteria for hazardous waste of 5 mg/l.

In addition, four soil samples collected from borings 45 and 46 near the cooling tower were analyzed for Cr(VI). Cr(VI) was detected in the sample from a depth of 21.1 feet bgs in soil boring 46 at 0.350 mg/kg; this concentration is below the screening levels for Cr(VI).

6.4 POLYCHLORINATED BIPHENYLS

During this assessment, PCBs Aroclors 1248 and 1260 were detected in soil samples collected in Buildings 104, 106, 108, 112, and 112A and near storm water outfall #7, former substation #8, substation #1, and cooling tower area. Based on toxicity of Aroclors 1248 and 1260, the PRG for Aroclor 1254 (744 µg/kg) was used in the screening evaluation. PCBs were detected above the industrial PRG in soil from four boring locations (Borings 39, 40, 41, and 73). The PCB results from these three borings are described below.

- Boring 39 was advanced adjacent to former substation #8 located outside of Building 106. Aroclor 1248 (6700 µg/kg) was detected in the soil/gravel drainage area of the former substation at a concentration above the PRG for Aroclor 1254. PCBs were not detected in soil adjacent to the drainage area at depths of 6.3 and 11 feet bgs.

- Boring 40 was advanced in the vicinity of the vertical pit containing hydraulic ram located between a depth of 30 and 70 feet bgs. Aroclor 1248 was detected in soil samples at depths of 8.6 feet (440,000 µg/kg), 11.5 feet (5700 µg/kg), and 21.5 feet (2,000,000 µg/kg) at a concentration above the industrial PRG. PCBs were detected in deeper soil samples at depth of approximately 26.5, 31.5, 41.5, 51.5, 61.5 and 71.5 feet bgs at concentrations below the PRG.

- Borings 41 and 73 were advanced along the south side of the saw in Building 104 where PCBs were previously detected in concrete at 30 mg/kg (former sample location C-28). PCBs were detected in soil samples collected at a depth of 2.6 feet bgs in boring 41 (2000 µg/kg) and 2.6 feet bgs in boring 73 (960,000 µg/kg). The surface concrete core samples from borings 41 and 73 contained Aroclor 1248 at concentrations of 3,300,000 µg/kg and 230 µg/kg, respectively.

PCBs also were detected in soil at concentrations below the screening level at seven borings. These detected concentrations ranged from 62 to 710 µg/kg, and were associated with the following borings:

- Borings 8 and 10 located within Building 106;
- Boring 26 located in Building 112A;
- Boring 46 located near the cooling tower;
- Boring 48 in palm springs area;
- Boring 71 located near substation #1; and
- Boring 38 located near storm water outfall #7.

PCBs at concentrations ranging from 100 to 3,300,000 µg/kg were detected in concrete core samples collected at 13 boring locations:

- Boring 2, 10, 15A, and 16 within Building 106;
- Borings 17, 18, and 21 within Building 108;
- Boring 19 within Building 112;
- Boring 26 within Building 112A;
- Boring 48 east of Building 112A; and
- Borings 41, 73, and 74 within Building 104.

7.0 SUMMARY AND CONCLUSIONS

This Phase II ESA was designed to evaluate whether the RECs and OECs identified during the Phase I had resulted in releases to the subsurface. Results of the Phase II assessment indicate that previous operations at the site have impacted soil in several areas of the site. Chemicals detected at concentrations exceeding one or more of the screening levels described in Section 6.0 include TCE, PCE, PCBs and naphthalene. The metals arsenic, cadmium, chromium, copper, lead, nickel, and zinc also were detected in one or more samples at concentrations exceeding screening levels or California background concentrations. Based on the soil investigation results, the following subsections summarize Geomatrix's findings and conclusions as they relate to potential requirements for additional characterization and remediation and for redevelopment of the property.

7.1 SOIL VAPOR

Chlorinated VOCs were detected in soil vapor at concentrations between 0.27 µg/l and 1600 µg/l, with the highest concentrations reported for TCE. TCE exhibited the highest frequency of detection; the highest concentration of TCE reported in soil vapor was from a shallow soil vapor sample collected in the northwestern portion of Building 106. The detection of TCE in shallow soil vapor suggests that former operations in this portion of the site may have impacted soil. Because the source of the VOCs and the extent of impacted soil are not known, this area of the site will require further evaluation.

Stoddard solvent was detected in soil vapor in the area of the former Stoddard solvent USTs at concentrations between 720 and 830 µg/l. This area is being addressed by Alcoa as part of the Stoddard releases to the subsurface soils. Additional work in this area of the site may be needed, but to our knowledge, this area is being addressed by Alcoa.

Trace concentrations of toluene and PCE (0.22 to 0.51 µg/l) were detected in soil vapor in the southeastern portion of Parcel 6 at two sample locations. The limited detections and concentrations of VOCs in soil vapor in this area suggest there has not been a significant release to the subsurface related to potential past solvent uses on Parcel 6. Based on these data, further assessment of Parcel 6 does not appear necessary at this time.

If the Cal-EPA CHHSLs are considered, some reported concentrations of PCE and TCE in certain soil vapor samples associated with Building 106 exceed their industrial CHHSLs (0.6 µg/l for PCE and 1.77 µg/l for TCE). Depending on the future use of the site, additional evaluation of the indoor air pathway may be warranted.

7.2 SOIL

The following subsections presents the findings and conclusions for soil samples collected at the site.

7.2.1 Volatile Organic Compounds

The chlorinated VOCs TCE and PCE were detected in soil at concentrations between 5.0 and 3700 µg/kg, with the highest concentrations reported for TCE at depths of 46.5 feet bgs (boring 14). TCE and PCE were detected above their PRG DAF20s in soil beneath Building 106 (boring 14) and PCE was detected above its PRG DAF20 in soil beneath Building 108 (boring 17). Buildings 106 and 108 are located adjacent to each other in the northern portion of the site, and the detection of TCE and PCE in soil in these areas is consistent with the soil

vapor results obtained in Building 106. The presence of TCE at a depth of 46.5 feet bgs (the greatest depth sampled during this assessment) indicates the need for additional assessment of deeper soil and groundwater beneath or near the northern portion of Building 106 and 108.

Although naphthalene was detected in soil above industrial PRG in Building 112 in the vicinity of the blind sump in the hazardous materials storage area, this area coincides with historical soil impacts related to Stoddard solvent (boring 34). Soil impacted with Stoddard solvent in Building 112A is being addressed by Alcoa. Additional work in this area of the site may be necessary, but to our knowledge, this area is being addressed by Alcoa.

Other VOCs were detected in soil at the site but at concentrations below their screening levels. Additional assessment of the areas where VOCs were detected below the screening levels does not appear necessary at this time. However, soil in these areas of the site would need to be considered if the site is to be redeveloped.

7.2.2 Total Petroleum Hydrocarbons and Stoddard Solvent

Petroleum hydrocarbons were detected at concentrations ranging between 9.8 and 853.2 mg/kg, with the highest concentration reported for the heavy hydrocarbon range (C22-C44 range). Petroleum hydrocarbons were detected at concentrations below the RWQCB screening levels for the protection of groundwater.

Stoddard solvent was detected at concentrations ranging between 1.6 and 890 mg/kg. The highest concentration was detected in the vicinity of the blind sump in the hazardous materials storage area. As noted previously, this area coincides with historical soil impacts related to Stoddard solvent (boring 34). Soil impacted with Stoddard solvent in Building 112A is being addressed by Alcoa, and further assessment of this area may not be necessary at this time. Soil impacts related to Stoddard solvent would need to be considered for Building 112A and southwest of Building 112A if the site is to be redeveloped.

7.2.3 Metals

Of the metals detected in soil samples collected from Buildings 64, 104, 106, 112, and 112A, the cooling tower area, and storm water outfalls #6 and #7, only arsenic was detected at concentrations above its industrial PRG of 0.25 mg/kg. Arsenic exceeded its PRG at borings 30 (sump location), 38 (storm water outfall #7), 46 (near the cooling tower), and 47 (storm water outfall #6). Although the arsenic concentrations are above the industrial PRG, the PRG is well below the maximum California background concentration for naturally occurring

arsenic in California soil (11 mg/kg). The detections of arsenic in soil at these boring locations do not indicate a need for further assessment.

At one boring (47) advanced near storm water outfall #6, copper was detected above the maximum California background level (96.4 mg/kg) at a depth of 6.2 feet bgs. At a depth of 11 feet bgs the concentration of copper in soil was below the maximum California background level. The detections of copper in soil at this boring location does not indicate a need for further assessment.

Samples with total concentrations of one or more metals exceeding 10 times their STLC criteria were further analyzed using the STLC Waste Extraction Test Method. Based on the results of these tests, shallow soil in the area of the former etch station (boring 22) and near storm water outfall #6, the earthen material in Building 64 (boring 42), and the sediment within the sump inside Building 112A (boring 30) need to be further evaluated in terms of waste classification and may need to be classified as hazardous waste if the site is redeveloped and soil is removed or excavated.

7.2.4 Polychlorinated Biphenyls

PCBs were detected in soil at concentrations ranging between 62 and 2,000,000 µg/kg (0.062 and 2000 mg/kg). The highest concentrations of PCBs in soil were detected at 21.5 feet at boring 40 located in the vicinity of the vertical pit in Building 104. PCBs were detected above their screening level in soil at three boring locations within Building 104 (borings 40, 41, and 73) and one boring location (boring 39) advanced adjacent to the soil/gravel drainage area to former substation 8 located outside of Building 106. The detection of PCBs above screening levels in soil in the vicinity of the vertical pit and saw in Building 104 and the gravel drainage area of substation 8 indicate that former operations in these areas have impacted soil. Further assessment is needed in Building 104 to assess the potential source and extent of PCB detected in soil. Further assessment of the gravel drainage area associated with substation 8 is needed to assess the vertical extent of PCBs associated with the former substation.

PCBs are regulated by the provisions of the Code of Federal Regulations (CFR), Title 40, Subchapter R, Toxic Substances Control Act (TSCA), Part 761 (40 CFR 761), which includes provisions for cleaning up PCB releases and disposing of PCB-impacted materials. The source of the PCBs that has impacted site soils and materials, if known, may impact whether PCB-containing materials are designated as TSCA waste. Based on the concentrations of PCBs detected in soil at the site, some of these materials would need to be further evaluated for waste classification and may be classified as TSCA or other regulated waste if removed or excavated

during redevelopment. Furthermore, depending on future site use, some portions of the site may need remediation or engineering controls to mitigate for PCB impacts.

7.3 CONCRETE

PCBs were detected in concrete surface samples collected from 12 boring locations at concentrations ranging from 100 to 3,300,000 µg/kg. The maximum PCB concentration in concrete surface samples was detected in Building 104. As discussed above, PCBs are regulated by the provisions of the 40 CFR 761. Based on the concentrations of PCBs detected in concrete at the site, some of these materials would need to be further evaluated for waste classification and may be classified as TSCA if removed during redevelopment. Further, depending on future site use, some of the concrete at the site may need remediation or engineering controls to mitigate PCB impacts.

7.4 BUILDING MATERIALS SURVEY

Buildings materials were tested for ACM, LBP, PCBs and metals, and were detected as follows.

- ACM (>1%) was detected in vinyl floor tiles and mastics in Buildings 112/112A and Ingot office, textured paints on the interior and columns in Buildings 104/106/108, HVAC sealant at the Ingot office, corrugated wall panels (Galbestos panels) in Buildings 104/106/108/110/112/112A, roofing Building 106/108/110/112/112A, roofing mastic throughout the facility, and insulation debris on the roof of Building 104. Damaged materials were observed in Building 112A and on the roof of Building 104.

- LBP was detected on painted surfaces throughout the facility, including yellow, white, gray, and tan painted surfaces. Painted surfaces ranged in conditions from intact to poor.

- PCBs were detected in wipe samples taken from the concrete floors, remaining wood block floors, steel I-beam flanges, wall trusses, column footings, and the tops of electrical panels. PCBs were detected in bulk samples collected from the Galbestos siding and wood block flooring.

- Metals were detected in the wipe samples collected from concrete floors, remaining wood block floors, l I-beam flanges, wall trusses, and column footings.

The findings of the building materials survey will need to be evaluated further based on the future use of the property (e.g., facility is to remain as is or if it will be demolished).

7.5 TRENCHES AND PITS

Visual observation of the interior of trenches, pits and sumps were conducted after removing the steel plates covering the features that were located around milling and sawing equipment inside Buildings 104 and 112A (where accessible). In most cases, the interior bottoms of these features contained oils/liquids and/or aluminum chips and the underlying concrete could not be observed as described in Section 3.8. Based on the Phase II observations, data collected from borings 30 and 34, and historical soil data collected around the scalper/planer, there is a potential that soil beneath or adjacent to these features may have been impacted by PCBs and/or petroleum hydrocarbons, and as such, potential soil impacts related to oil leaks from these concrete features needs to be assessed. As part of the facility closure and/or redevelopment, the interior of these features will require cleaning following the termination of operations.

8.0 RECOMMENDATIONS

Based on the data collected during the Phase II assessment, seven areas were identified as impacted by one or more chemicals at concentrations above the screening criteria described in Section 6. Although the screening criteria are not intended to be clean-up levels, they may be used to evaluate the potential need for further action, which may include assessment, analysis, or cleanup. Clean-up levels may differ from screening levels based on site-specific considerations (e.g., redevelopment, future land use, etc.), regulatory requirements, or other factors.

The Phase II results indicate that soil remediation likely will be needed in Buildings 104, 106/108, and 112 and at substation #8, but additional assessment is necessary to assess the extent of impacted soil and/or groundwater and to confirm the need for remediation in these areas. Additional assessment would be needed to more fully characterize the extent and potential significance of COPCs exceeding screening levels in soil and potential impacts to groundwater (e.g., due to TCE detections in Building 106) at the site. This assessment might include the areas listed below.

- Building 104, where PCBs were detected in soil and concrete adjacent to the saw (borings 41, 73, and 74). Additional soil borings are recommended around the saw to assess the source and extent of PCBs detected in concrete and the underlying soil.
- Building 104, where PCBs were detected in soil to a depth of approximately 71.5 feet bgs in the vicinity of the vertical pit (boring 40). Additional soil borings are recommended around the vertical pit to assess the source and extent of PCBs detected in soil.

- Buildings 106 and 108, where TCE was detected in soil beneath the northern portion of the buildings to a depth of approximately 48 feet bgs (boring 14) and where TCE was detected in soil vapor. Although TCE was detected in soil as shallow as 2.7 feet bgs, the source of the TCE detected in soil and soil vapor in this area of the site is not known. A nearby property located northwest of the site near the intersection of Fruitland and Boyle has been identified as a former solvent recycling facility. This off-site property is referred to as the Detrex Chemical site and has known VOC impacts in soil. Geomatrix currently is reviewing information related to the Detrex Chemical site. The findings of the review and the investigation results obtained during the Phase II will be used to develop a scope of work to assess the source and extent of VOCs in the subsurface and potential impacts to groundwater.

- Building 112 (etch station) and near storm water outfall #6, where one or more metals were detected in soil at concentrations greater than their STLCs. Additional assessment of the lateral extent of metals in shallow soil is recommended in these areas for redevelopment.

- Building 64 (dross storage area), where one or more metals were detected in the earthen material at concentrations greater than their STLCs. The earthen material will need to be removed for closure and/or redevelopment. The material will need to be tested, profiled and disposed of appropriately.

- Former substation #8, where PCBs were detected in the soil/gravel drainage area of the former substation. PCBs were not detected in the soil boring adjacent to the soil/gravel drainage area. Additional assessment of the depth of the soil/gravel drainage area and the concentrations of PCBs in these materials is recommended.

Although concentrations of COPCs in other areas did not exceed screening levels, additional assessment in several areas would be necessary to more conclusively characterize the extent or concentrations of COPCs in these areas. These areas are listed below.

- Building 106, where Stoddard solvent was detected in one soil sample at a depth of approximately 47 feet bgs (boring 13). The source of the Stoddard solvent in this area of the building is not known.

- Building 112, where TPH concentrations in soil increased with depth at a boring drilled to a depth of 9.6 feet adjacent to a sump (boring 30).

- Cooling tower area, where Cr(VI) and Aroclor 1248 were detected in one soil sample at a depth of 21.1 feet bgs (boring 46).

In addition, observations associated with the trenches and pits suggest that soil borings would be appropriate adjacent to these features to assess the potential presence of COPCs in soil. Furthermore, if the site is redeveloped, soil below the buried rail line will need to be assessed.

As discussed previously in Section 7.4, ACM, LBP, PCBs, and metals were detected on building materials. In addition, PCBs and metals were detected in residual dust throughout the facility. If occupancy of the site and facility continues, potential human exposure to the impacted building materials and residual dust should be addressed. It is our recommendation that a building materials management plan be prepared and implemented for the site to address current and possible future site uses.

9.0 REFERENCES

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TABLE 1
SUMMARY OF PHASE I POTENTIAL ENVIRONMENTAL ISSUES
Pechiney Cast Plate Facility
Vernon, California

Area/ Building	Potential Environmental Issue	Summary	Reference	Source	REC Assessment	Potential COCs	Comments
Site Wide or Multiple Locations	VOC-impacted groundwater	Groundwater monitoring data collected between 1990 and 1997 indicate TCE, 1,2-DCA, and chloroform are present in groundwater beneath the site with historical concentrations up to 160, 370, and 105 µg/l, respectively. Groundwater flow direction was reported to be toward the west-northwest. As approved by the City of Vernon, on-site wells AOW-1 and AOW-3 were destroyed in August 1997, leaving four wells on site (AOW-6 through AOW-9). RWQCB is listed as the lead agency for groundwater assessment at the site for the UST closures.	Enviro-Wise (1998)	J&G	REC	VOCs, TPH, and Metals	Groundwater monitoring wells remain in the area south of the cooling tower and east of Building 112A. Wells that have been abandoned were done so under the City of Vernon oversight and with RWQCB's knowledge. Historical data indicate groundwater is impacted with VOCs, but existing data are inconclusive whether operations conducted at the site have contributed to impacts. Documents reviewed by Geomatrix do not indicate groundwater monitoring requested by the RWQCB has been conducted and RWQCB closure of the USTs appears to be pending. Groundwater does not appear to have been analyzed for dissolved metals.
		Groundwater monitoring data collected in 1997 indicated a decrease in groundwater concentrations for TCE, 1,2-DCA, and chloroform.	WWC (1997)	J&G			
		An evaluation for potential off-site, upgradient sources of groundwater impact was conducted between 1992 and 1995. The evaluation was based on agency records and file reviews. Based on the evaluation, two upgradient properties were identified with soil and/or groundwater impacted with chlorinated VOCs. One of the properties, Bethlehem Steel (Vernon Industrial Plaza) located at 3270 Slauson Avenue, exhibited perched groundwater between 45 and 65 feet bgs and deeper groundwater at 150 feet bgs. Perched groundwater contained chlorinated VOCs (TCE, PCE, 1,1-DCA, 1,2-DCA, DCE, benzene, toluene, CCL_4, and 1,1,1-TCA) at concentrations up to 4600 µg/l (TCE). Perched groundwater was reported with a northwesterly flow direction. Deeper groundwater contained VOCs (TCE, PCE, DCE, 1,2-DCA, CCL_4 and CF) at concentrations up to 270 µg/l. Although the source of the VOCs in groundwater was not determined, a groundwater extraction and treatment system was proposed for perched groundwater. The report also references City of Vernon water supply wells with groundwater containing VOCs, and another property (King Metal Finishing), located at 4820 Alcoa Avenue, with TCE in soil at concentrations up to 0.027 mg/kg.	G&M (1995)	H&EC and RWQCB			
		Following cave-ins during excavation of the former waste disposal pit south of the cooling tower, groundwater monitoring well AOW-7 was destroyed in April 1999, leaving three wells (AOW-6, AOW-8, and AOW-9) on site.	Ursic (1999a)	J&G			
		LFR (1998) recommended further evaluation of potential chlorinated VOC impacts at the site.	LFR (1998)	J&G			
		In a letter dated May 20, 2002, the RWQCB responded to a request from Alcoa for UST closure by requesting additional groundwater monitoring be conducted at the site. The RWQCB requested groundwater analysis for TVPH, BTEX, and fuel oxygenates including MTBE and other VOCs. A quarterly groundwater monitoring report was required to be submitted to the RWQCB by July 15, 2002.	RWQCB (2002)	H&EC and RWQCB			
	PCB-impacted flooring	Wood and concrete flooring were reported to contain PCBs. Phase II assessment of flooring in Buildings 104, 106, 108, 110, 112, and 112A was recommended.	Enviro-Wise (1998)	J&G	REC	PCBs	PCB-contaminated concrete and underlying soil may remain below existing and removed wood block flooring. Closure by the City of Vernon was based on hazardous waste disposal, not risk-based, criteria.
		PCBs were detected in 25 of 32 concrete cores collected from flooring in Buildings 104, 106, 108, 110, 112, and 112A. Reported PCB concentrations ranged from 35 to 71,000 µg/kg.	MFG (1998)	J&G			
		Manifests dated from 1995 to 1997 included in the referenced document are reported to be for disposal of PCB-impacted wood floor block removed from buildings in Parcel 7, which includes Buildings 112A and 104.	Ursic (1999a)	J&G			
		Portions of the concrete flooring in Building 106 were steam cleaned and capped with concrete in June 1999. No further action was requested from the City of Vernon.	Ursic (1999b)	J&G			
		Manifests dated from 1998 to 1999 included in the referenced document are reported to be for disposal of PCB-impacted wood floor block removed from buildings in Parcel 8, which includes Buildings 106, 108, and 112.	Ursic (1999b)	J&G			
		LFR (1998) recommended using a more conservative health-based level, such as the industrial PRG for PCB in soil, instead of the hazardous waste disposal standard of 50 mg/kg to guide removal of PCB-impacted flooring. Documents reviewed do not indicate that implementation of this recommendation occurred.	LFR (1998)	J&G			
	Galbestos building siding	Galbestos siding at the site reportedly contains PCBs and asbestos.	Enviro-Wise (1998)	J&G	OEC	ACM and PCBs	Galbestos covering on corrugated steel building siding still remains on Building 112, 112A, and 104, and also may be present on other building siding.
		According to the referenced document, a 1995 Galbestos siding survey identified 17,000 square feet of Galbestos siding that exhibited flaking. Approximately 9000 square feet were removed, leaving more than 7000 square feet left in place	AD Little (1999)	J&G			
		Flaking siding was observed inside Building 104 near the southwest corner of the building.	_	Site Visit			
	Asbestos	ACMs were removed in 1999 from portions of Building 106, 108, 110, and 112. Descriptions of ACM removed were not included in the referenced report. This report also indicates that transit utility piping was removed from the subsurface near the Fruitland Avenue entrance and at the intersection Fruitland and Boyle Avenues	Ursic (1999b)	J&G	OEC	ACM	ACM may still be present in floor tiles and mastic, roofing felts and sealants, window putty, black exterior coating on the bag house and ventilation ducts (Building 64), in older furnaces and ovens not replaced in 1990s and in other locations in on-site buildings.
		According to Mr. Clinkenbeard the black exterior coating on the baghouse and ventilation ducts (Building 64), and the older furnaces and ovens that were not replaced in 1990s contain ACM.	_	Site Visit			
	Surface dust and debris	Dust and debris on overhead structures reportedly contained PCBs and heavy metals	Enviro-Wise (1998)	J&G	OEC	ACM, PCBs, and Metals	Impacted dust and debris may remain.
		The referenced document contains waste manifests dated 1999 for vacuum-collected dust from Buildings 104, 112A, and part of 112	Ursic (1999a)	J&G			
	Lead-based paint	Lead is potentially present in paint due to the age of the buildings. Paint sampling was recommended	Enviro-Wise (1998)	J&G	OEC	Lead	Based on age of buildings LBP may still be present on painted surfaces.
		Six samples of paint collected from Buildings 106, 108, and 112 contained 277 to 121,000 mg/kg lead. LBP was associated with flaking interior paints, painted columns, yellow bumper paint, and window pains.	MFG (1998)	J&G			
		The referenced document contains waste manifests dated 1999 for vacuum-collected peeling paint from Buildings 104, 112A, and part of 112.	Ursic (1999a)	J&G			

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Site Wide or Multiple Locations	Substations	Soil adjacent to transformers was discolored and potentially impacted with PCBs. Phase II assessment was recommended.	Enviro-Wise (1998)	J&G	REC	PCBs	No documentation was found for the removal of PCB-impacted soil adjacent to the transformers.
		Soils adjacent to Substation Nos. 1, 2, 5, and 8 were sampled and analyzed for PCBs. Soil samples collected near ground surface from Substation 2 contained 1000 µg/kg PCBs, but PCBs were not detected in a sample collected at a depth of 5 feet bgs in the same boring. Soil samples collected near ground surface from Substation 5 contained 60 µg/kg PCBs, and near surface soil adjacent to Substation 1 was reported as not detected for PCBs. A composite surface soil sample collected adjacent to Substation No. 8 (located along Boyle avenue near storm water outfall #7) contained PCBs up to 42,000 µg/kg (total).	MFG (1998)	J&G			
	Historical chemical usage	An on-site materials chemical inventory dated May 31, 1990 included the following chemicals: Aliphatic HDC (containing 1,1,1-TCA), MEK, methylene chloride, coal tar pitch (containing PCE), coal tar naphtha, zinc chromates, perchloric acid, petroleum solvent, and solvent treated oil.	Alcoa (1990)	Fire Dept.	OEC	111-TCA, PCE and PAHs	These secondary chemicals indicate a potential for historical use of chlorinated VOCs.
	Rail line spurs	Rail line spurs are located along the west side of the subject property and through the center of Parcel 6; rail spurs formerly were located along the east side of Building 112A. Topographic maps indicate the rail lines and spurs were present on the subject property as early as 1902.	EDR (2005b)	EDR	OEC	Metals and SVOCs	Railroad ballast may contain heavy metals and SVOCs (creosote).
	Historical agricultural use	A 1929 aerial photograph indicates Parcels 7 and 8 of the subject property were used for agricultural purposes at that time.	EDR (2005c)	EDR	OEC	Pesticides	Subsurface materials beneath the site may be impacted with pesticides and herbicides, but the potential for significant impact from routine use of agricultural chemicals is considered low by Geomatrix.
Building 112	Scale pit and unknown sump	The surfaces of these pits were steam cleaned and chipped. Following cleaning, each was inspected by the City of Vernon and backfilled with pea gravel and/or concrete. No further action was recommended in the referenced document.	Ursic (1999b)	J&G	HREC	PCBs, TPH, and Metals	Former location not documented. No soil testing appears to have been conducted around this structure.
	Site reconnaissance observations - stained flooring	The floor in this area of the building was a combination of concrete and asphalt. The floor covering was in fair to poor condition, and appeared to be stained and dusty throughout. PCB-impacted wood blocking flooring was previously removed. PCBs were detected in concrete samples at concentrations between 33 and 1800 µg/kg (MFG, 1998)	--	Site Visit	REC	PCBs	PCB-containing wood block flooring was removed from this area and the underlying concrete contained PCBs. Soil may contain PCBs.
Building 112A	Stoddard solvent vault, dip tank, and associated equipment (Tube Mill)	In 1990, releases of Stoddard solvent to soil were documented in this area of the site, which is in the southeast portion of Building 112A. Soil sampling conducted in 1995 reported concentrations of Stoddard solvent up to 76,000 mg/kg in subsurface soils; based on these data, 11 vadose zone wells were installed in the area of this release.	Enviro-Wise (1998)	J&G	REC	Stoddard solvent (TPH) and VOCs	Remediation of this area is being conducted by Alcoa using passive bioremediation through vadose zone wells.
		In April 1995, the Stoddard solvent vault was cleaned and certified by a marine chemist, inspected by the City of Vernon, then backfilled with concrete slurry. Wipe samples of the interior concrete surface were reported as non-detected for PCBs. Analytical results for a soil sample collected at 5 feet were not included in the report.	CCC (1995a)	H&EC			
		Soil sampling conducted in April 1995 indicated that in addition to impacts beneath the former Stoddard vault location, solvent was present beneat the former tube mill solvent dip tank and drying rack, located in the south-central part of Building 112A, north of the former vault. The volume of impacted soil for these two areas was estimated to be more than 43,000 cubic yards and the depth of impact was interpreted to be controlled by a silty clay at 45 feet bgs. In addition, aromatic hydrocarbons were detected in soil at concentrations between 0.02 mg/kg and 370 mg/kg (xylenes).	MKC (1995)	H&EC			
		Alcoa Technical Center conducted a bench-scale study to demonstrate the feasibility of intrinsic bioremediation of Stoddard solvent at the site.	ATC (1996)	H&EC			
		In a letter dated December 18, 1996, the City of Vernon acknowledged removal of the Stoddard solvent vault and requested continued monitoring and sampling of impacted soil beneath the vault	Ursic (1999a)	J&G			
	Stoddard solvent USTs, gasoline UST, and solvent still house	Soil borings completed in 1987 indicated a release of solvent to the subsurface in the vicinity of the solvent recovery still outside the southwest corner of Building 112A. Concentrations up to 5700 mg/kg TRPH were reported in soil samples collected from 40 feet bgs.	Stankov (1987)	H&EC	REC	Stoddard solvent (TPH) and VOCs	Remediation of this area is being conducted by Alcoa using passive bioremediation through vadose zone wells. Although soil gas results for chlorinated VOCs were low (2 ppmv and less), samples were collected at 5 feet bgs. Based on 1947 and 1956 aerial photographs, this area appeared to be unpaved. Confirmation of historical soil gas data recommended.
		31 soil gas samples were collected at 5 feet bgs to assess the potential source of chlorinated VOCs detected in groundwater in the vicinity of the Stoddard solvent still house. Soil gas sampling conducted in 1991 reported vapor concentrations of TPH (Stoddard solvent and gasoline) up to 1300 ppmv, chlorinated VOCs MC, 1,2,DCA, TCE, 1,1,1-TCA, PCE, and CF up to 2 ppmv, and methane up to 4500 ppmv.	G&M (1995 and 1992)	H&EC and RWQCB			
		According to the referenced document, releases of Stoddard solvent to soil from the USTs and associated still house and piping formerly located outside the southwest corner of Building 112A were documented in 1990. Depth of impact was reported to be approximately 50 feet bgs based on samples collected from the soil boring for groundwater monitoring well AOW-9, which was installed in 1991. Four vadose zone wells were installed in 1991 to monitor subsurface vapor concentrations; light-end hydrocarbons were reported in vapor samples collected from these wells and were attributed to a release from the "filled-in-place" gasoline UST. Four 10,000-gallon Stoddard solvent USTs and one 1500-gallon gasoline UST were removed in 1995 (CCC, 1995b). As agreed upon by the City of Vernon, the UST excavation was backfilled with contaminated soil provided Alcoa would remediate this area of the site.	Enviro-Wise (1998)	J&G			
		Based on soil sampling conducted in April 1995, the volume of impacted soil in this area was estimated to be approximately 15,000 cubic yards. As at the former vault and dip tank areas, the depth of impact was interpreted to be controlled by a silty clay at 45 feet bgs	MKC (1995)	H&EC			
		In a letter dated November 8, 1995, the City of Vernon acknowledged removal of the Stoddard solvent USTs and requested a remedial action plan to address impacted media in "several areas" near the former USTs.	Ursic (1999a)	J&G			
		Alcoa Technical Center conducted a bench-scale study to demonstrate the feasibility of intrinsic bioremediation of Stoddard solvent at the site.	ATC (1996)	H&EC			
	Tube mill swindell	The City of Vernon acknowledged satisfactory closure of the tube mill swindell in a letter dated February 23, 1998. Documentation regarding closure activities, such as cleaning or soil sampling, was not included in documents reviewed by Geomatrix. A map in the referenced report shows the swindell was formerly located in the central portion of Building 112A	Ursic (1999a)	J&G	REC	PCBs	No further action was granted by the City of Vernon. Remediation for Stoddard solvent soil impacts in this area is being conducted by Alcoa.

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Building 112A	Tube mill dip tank and Discovered drawbench pit	The tube mill dip tank, which formerly was located in the northeast corner of Building 112A (G38-37), was used to contain a "light oil" into which tubes were dipped for corrosion prevention. The tank was constructed of steel and had a concrete secondary containment vault. In April 1998, the tank and surrounding soils were removed. Concentrations of TRPH in soils removed ranged up to 59,000 mg/kg beneath the tank. Confirmation samples contained a maximum of 21 mg/kg TRPH. A formerly unknown wood-lined concrete trench containing scrap aluminum, oily rags, and work gloves was discovered during the excavation (referred to as the "discovered drawbench pit")(G37). After removing the wood lining, the trench was steam cleaned and backfilled with concrete. The excavation was backfilled with concrete and clean soil and closure was requested from the City of Vernon. The City of Vernon acknowledged satisfactory closure of the "discovered drawbench pit" in a letter dated February 23, 1998.	Ursic (1999a)	J&G	HREC	TPH	Closure of this tank was requested by Alcoa. Soil impacted with TRPH below RWQCB screening level of 1000 mg/kg. Closure of the "discovered drawbench pit" granted by the City of Vernon.
	Drawbench pits	A map in the referenced report shows six pits formerly located in the southeast portion of Building 112A. Documentation indicates the pits contained lubricating oil, which was pumped out before pit removal. Samples of the oil did not contain PCBs above the laboratory reporting limit of 500 µg/kg. After removing the oil, the pits reportedly were steam cleaned and excavated. TRPH was detected at concentrations ranging from 10.5 to 1075 mg/kg in four of the six soil samples collected beneath the pits	City of Vernon (1997)	H&EC	REC	TPH	Closure was granted by the City of Vernon. Soil impacted with TRPH remains in place at concentrations just above 1000 mg/kg, the RWQCB screening level for TEPH.
		The City of Vernon acknowledged satisfactory closure of these three pits in a letter dated December 12, 1996.	Ursic (1999a)	J&G			
	Scalper, planer, and other finishing equipment in the southwest corner of Building 112A	Cutting oil was observed on the ground surface at the horizontal planer in the southwest corner of Building 112A. Oil had run outside and "saturated" the pavement surface as well. Surfaces beneath the scalper and other equipment in the finishing area also were noted as "saturated" with oil. Phase II assessment was recommended.	Enviro-Wise (1998)	J&G	REC	TPH, VOCs, PCBs, and Metals	Soil removal does not appear to have been completed in these areas and TPH, PCB, aromatic VOCs, and metals remain in soil. PCBs in soil area above PRGs. Removal of soil deferred to demolition. Soil near railroad spur containing arsenic has not been addressed. The impacted soil is in close proximity to the Stoddard solvent area (inside and outside Building 112A).
		TEPH, TRPH, and PCBs were reported at concentrations up to 9200 mg/kg, 19,000 mg/kg, and 1.2 mg/kg, respectively, in shallow (1 to 5 feet bgs) soil samples collected adjacent to scalper and planer sumps. Six volatile aromatic hydrocarbons were detected at concentrations up to 100,000 µg/kg in one soil sample collected at a depth of 5 feet bgs. Except for 7.8 µg/kg 1,2,4-trimethylbenzene at 15 feet bgs, deeper soil samples collected from these areas did not contain analytes above laboratory reporting limits. Shallow soil samples (between 1 and 5 feet bgs) collected outside the southwest corner of Building 112A contained 3400 mg/kg TEPH and 14,000 mg/kg TRPH. A near-surface soil sample collected near the rail line south of Building 112A reportedly contained 74 mg/kg arsenic at 1 foot bgs.	MFG (1998)	J&G			
		Nine additional borings were completed to depths between 25 and 45 feet bgs around the scalper and planer units in the southwest corner of Building 112A. Soil samples from these borings were analyzed for TEPH, PCBs, metals, and phenols. The referenced report contains original laboratory reports, but only the TEPH and PCB data were tabulated and discussed. Except for TEPH in one soil boring near and attributed to the adjacent Stoddard solvent release, TEPH and PCBs were not detected at depths below 1 foot bgs. Maximum reported TEPH and PCB concentrations in soil were 222 and 0.25 mg/kg, respectively. Ursic (1999a) recommended leaving impacted soil in place until the building is removed (with focus on the upper 10 feet of soil, because deeper TPH detections were attributed to the Stoddard solvent releases).	Ursic (1999a)	J&G			
	Oily cuttings and chips outside Building 112A	Oily cuttings and chips were not well contained and had contacted concrete, pavement, and soil surfaces at the site. Phase II assessment was recommended outside in chip storage areas (between Building 112A and the railroad spur). The area out side Building 112A and adjacent to the rail line was sampled by MFG and discussed above in relationship to the Scalper and Planer.	Enviro-Wise (1998)	J&G	REC	TPH, PCBs, VOCs, and Metals	Assessment of the underlying soil was conducted by MFG(1998) in the area of the rail road line and off the southwest corner of Building 112A. Additional testing for As in soil is recommended.
	Etching station	A nitric acid and caustic etching station located at building column G-20 was noted to have chemical residue on and beneath it (along east wall of building).	Enviro-Wise (1998)	J&G	REC	pH and Metals	Soil testing below concrete was not conducted, nor was the condition of the concrete slab reported.
	Paint shop	The area located at grid F-45 was used as a paint shop for small items. A hazardous waste satellite accumulation area also was noted here. Housekeeping in this area was noted as inadequate in 1998.	Enviro-Wise (1998)	J&G	REC	VOCs, TPH, and Metals	Soil testing below concrete was not conducted, nor was the condition of the concrete slab reported.
	Former degreasing sumps (north part of building), and trenches	Assessment of subsurface soils beneath Building 112A was conducted under oversight of the City of Vernon in 1996. Three soil borings to depths of 20 feet bgs were completed within Building 112A. PCBs were not detected in four soil samples collected between 8 and 15 feet bgs. Three samples collected between depths of 8 and 9.5 feet bgs were analyzed for petroleum hydrocarbons: TEPH was detected at concentrations of 1100 mg/kg at 8 feet bgs near a former degreasing sump in the northern part of the building; TEPH was reported at 29 mg/kg at a depth of 20 feet in the same boring. No further action for soil was required by the City of Vernon.	Enviro-Wise (1998)	J&G	HREC	TPH, and Aromatic VOCs	No further action was granted by the City of Vernon. TPH-impacted soil remains in the vicinity of the former degreasing sump at a concentration above the RWQCB screening criteria of 1000 mg/kg, but vertical attenuation of TEPH concentrations with depth was observed.
	No. 11 stretcher	No. 11 stretcher was identified as impacted with PCBs and reportedly was removed along with associated pits, trenches, sumps, and foundations between 1990 and 1994. This facility was closed by the City of Vernon. During removal, petroleum products were observed in the base of the associated trench (Ursic, 1999a). PCBs, BTEX compounds, TEPH, TVPH were not detected in soil at the east and west ends of the trenches. No soil testing along north and south sides of trench (MKC, 1996)	Enviro-Wise (1998)	J&G	REC	THP and PCBs	No further action was granted by the City of Vernon after the removal of equipment, trenches, and sump. Soil testing along north and south sides not conducted.

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Vernon, California

Area/ Building	Potential Environmental Issue	Summary	Reference	Source	REC Assessment	Potential COCs	Comments
Building 112A	Former various pits and sumps	Seventeen pits and sumps located in Building 112A were cleaned and chipped to expose clean concrete. Following this, the pits were visually inspected by the City of Vernon, backfilled with pea gravel, and capped with concrete. The size of these features ranged between approximately 2 to 3 cubic feet. Reportedly these pits and sumps were free of liquids but did not show watermarks or rust stains. No further environmental action was recommended by Ursic (1999a).	Ursic (1999a)	J&G	REC	TPH and PCBs	Soil testing below these features does not appear to have been conducted.
	Waste asbestos and refractory pit	During construction of a sanitary sewer line, a small area formerly used to dispose of refractory brick and furnace insulation was uncovered in the southeast corner of the parking lot east of Building 112A. Analysis of the insulation indicated it contained asbestos. The area was excavated and backfilled with clean fill. The referenced report does not state the size of the excavation or the volume of material removed, but photographs suggest the excavation was at least 6 to 8 feet deep and approximately 50 feet in one lateral dimension. Closure was requested from the City of Vernon.	Ursic (1999a)	J&G	OEC	ACM	Closure was requested by Alcoa.
	Tube mill solvent wash tank	A fire incident report dated July 23, 1982 reported a flash fire had occurred in the tube mill solvent wash tank. Location of the tank was not specified.	City of Vernon (1982)	Fire Dept.	HREC	Stoddard solvent and VOCs	The type of solvent in tank was not identified the in the incident report.
	PCBs in fluid systems	The potential for PCBs to leach from equipment cleaned of PCB-containing oil in 1989 and 1990 was noted in the referenced report. Testing of oil from selected equipment was recommended.	Enviro-Wise (1998)	J&G	OEC	PCBs and Oils	Other hydraulic lifts remain at the subject property, including the hydraulic lifts associated with the vertical pits (hydraulic rams left in place between 30 and 70 feet bgs) and the hydraulic lift in Building 104.
		Two hydraulic fluid samples collected from a crane and a scalper located in Building 112A and analyzed for PCBs did not contain analytes above laboratory reporting limits.	MFG (1998)	J&G			
	Site reconnaissance observation - Hazardous materials storage area	Radial and circular cracks consistent with subsidence features were observed in the concrete slab around the blind sump in the hazardous materials storage area. With the exception of these cracks, the concrete in the storage area was in good condition with no significant staining.	--	Site Visit	REC	TPH and PCBs	Spills in the storage area could impact the underlying soil.
	Site reconnaissance observation - Satellite hazardous waste accumulation area	Oil was observed within the plastic secondary containment units at the satellite hazardous waste storage area. The concrete slab in this area was oil stained and in poor condition, and oily chip were present. The satellite accumulation area is located in the southern portion of the Building 112A in the vicinity of the Stoddard solvent plumes.	--	Site Visit	REC	TPH and PCBs	Concrete around this area was stained and in poor condition.
	Site reconnaissance observation - Stained concrete floor	Black stained concrete flooring was observed west of the hazardous material storage area approximately 50 by 30 feet. Concrete in this area was in fair condition.	--	Site Visit	REC	TPH and PCBs	PCB-impacted wood block flooring was previously removed from this area and PCBs may be present. Concrete in this area was in fair condition.
	Site reconnaissance observation - Pits and trenches for existing machines	Trenches and pits covered with steel plates were observed around most of the cutting machines, including the scalper, saws, and mills. Visual observation of the interior of the trenches was not conducted. Lubricating oils are used in these processes.	--	Site Visit	REC	TPH	Concrete trenches containing hydraulic oil piping may be a source of TPH to soil underlying the concrete trenches and pits.
	Site reconnaissance observation - Plate rotator and Hyde-Mechanical saw	Oily chips, oil and oil staining was observed around the base of the plate rotator and water/oil collection sump at the Hyde-Mechanical saw. Concrete slab near the plate rotator was in fair condition and the concrete slab near the Hyde-Mechanical saw was in poor condition. Waste oil drums were stored in this area.	--	Site Visit	REC	TPH and PCBs	Oil spills around the machines may be a potential source of TPH to the underlying soil.
	Site reconnaissance observation - Tool and saw cage	A square sump covered with a steel plate was observed inside a tool and small saw cage. The concrete slab in this area was in fair to good condition, with no major staining observed.	--	Site Visit	REC	TPH and VOCs	Spills in the storage area could impact the underlying soil.
	Site reconnaissance observation - Excess storage area	A number of unlabeled containers (plastic drums) with fluids were observed in the excess equipment storage area, along with the storage of hazardous materials (see Tables 10 and 11). One drum was turned upside down on top of a plastic secondary containment unit to drain. The secondary containment unit was filled with oily liquids.	--	Site Visit	OEC	TPH and others	Spills in this area could impact the underlying soil.
Building 106	Former pits, sumps, and trenches and former truck shop	Assessment of subsurface soils beneath Building 106 was conducted under oversight of the City of Vernon in 1996. Eleven soil borings to depths between 6 and 151 feet bgs were completed within Building 106. PCBs were not detected in 14 soil samples collected between 5 and 65 feet bgs. Thirty samples collected between depths of 5 and 145 feet bgs were analyzed for petroleum hydrocarbons: TVPH was detected at 400 mg/kg at a depth of 80 feet bgs in the southeast corner of the building; associated BTEX concentrations in this sample were 0.77, 4.6, 7.4, and 26 mg/kg, respectively. TCE was reported at a concentration of 140 µg/kg in two soil samples collected from depths of 55 feet bgs at locations in the northern and western portions of the building (MKC, 1996). Reportedly, a former truck shop was located in this area and gasoline was stored in drums on bare ground during the 1950s. According to the referenced report, no further action for soil was required by the City of Vernon.	Enviro-Wise (1998)	J&G	REC	TPH and VOCs (aromatic and TCE)	No further action was granted by City of Vernon. No additional evaluation of TCE at 55 feet or TPH at 80 feet appears to have been conducted. Anecdotal information suggested that the TCE was due to perched groundwater from an off-site source; however, Building 106 is located in the northwest corner of the subject property relatively far from potential off-site, upgradient sources. No evaluation of potential impacts to groundwater conducted in this area.

TABLE 1
SUMMARY OF PHASE I POTENTIAL ENVIRONMENTAL ISSUES
Pechiney Cast Plate Facility
Vernon, California

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Building 106	Common press trench, press pits, north and south bottle bays, concrete vaults 10, 11, and 12	These features were closed according to procedures approved by the City of Vernon that included removal of debris and liquid, steam cleaning the surfaces, chip dark stained surfaces with an air hammer, backfill, and cap with 6 to 8 inches of concrete. Prior to backfilling, the trench, pits, bays, and vaults were inspected by the City of Vernon. Piping associated with these features was sealed with concrete or expanding foam. No further action was requested from the City of Vernon.	Ursic (1999b)	J&G	REC	TPH and PCBs	No further action was requested by Alcoa for these features. Soil testing does not appear to have been conducted in the area of these features.
	Former press 2 French drain	According to the referenced document, a French drain was discovered in the floor of the Press 2 pit during its inspection in June 1999. The surface of the drain reportedly contained 19,000 mg/kg TRPH and 150 mg/kg PCBs. SVOCs were not detected. Soil was removed beneath the drain to a depth of approximately 7 feet below the base of the pit. PCBs were detected at a concentration of 0.14 mg/kg in the confirmation sample collected from the base of the excavation. The excavation was backfilled with concrete. No further action was requested from the City of Vernon.	Ursic (1999b)	J&G	HREC	TPH and PCBs	A request for no further action was made by Alcoa for these features. Soil impacted with low concentrations of PCBs remain in place.
	Site reconnaissance observations - stained flooring	The floor in this area was a combination of concrete and asphalt. The floor covering was in fair to poor condition, and appeared to be stained and dusty throughout.	--	Site Visit	REC	PCBs	PCB-containing wood block flooring was removed from this area previously. Based on the condition of the concrete the underlying soil may contain PCBs.
Building 108	Extrusion press 4	A single extrusion press was located in Building 108. This press was cleaned, backfilled with pea gravel, and capped with concrete. Conduits to the press sealed with foam prior to backfilling. No further action for Building 108 facilities was requested in the referenced document. Drawing suggests that there were three elongated press pits (Enviro-Wise, 1998). Press 4 was used for about one year.	Ursic (1999b)	J&G	REC	TPH and PCBs	Soil testing does not appear to have been conducted. A no further action request for Building 108 was requested by Alcoa.
	Site reconnaissance observations - stained flooring	The floor in this area was a combination of concrete and asphalt. The floor covering was in fair to poor condition, and appeared to be stained and dusty throughout. Reported PCB concentrations in concrete core samples ranged from 73 to 71,000 µg/kg (MFG, 1998).	--	Site Visit	REC	PCBs	PCB-containing wood block flooring was removed from this area previously. Based on the condition of the concrete the underlying soil may contain PCBs.
Building 110	Deep swindell quench pits	Deep swindell heat treat quench pits were noted at this location of the site and recommended for assessment in 1990.	Enviro-Wise (1998)	J&G	HREC	PCBs, TPH, and Metals	No further action was granted by City of Vernon.
		In 1998, the swindell furnaces and associated structures were removed. Following removal, two soil samples were collected from depths of approximately 65 and 70 feet bgs, or about 5 and 10 feet below the base of the pit, and analyzed for TRPH, PCBs, phenols, and metals. TRPH, PCBs, SVOCs, and phenols were not detected in samples analyzed; metals concentrations were interpreted to be "not significant." Each pit was backfilled with approximately 500 tons of pea gravel and capped with concrete. Conduits into the pits were sealed with foam. No further action at this location was recommended in the referenced document. Pit is approximately 55 to 60 feet deep.	Ursic (1999b)	J&G			
	Site reconnaissance observations - fuel leak and sump/drain	A front end loader was observed to be leaking oil or fuel onto the concrete slab, which appeared to be in poor to fair condition.	--	Site Visit	OEC	TPH	Oil should be cleaned up and leaking equipment fixed to terminate the leak.
		A square sump/drain was observed along the southern wall in the area of Building 110 near two above ground concrete pads. The surrounding area is used for paint and flammable materials storage.	--	Site Visit	REC	TPH, VOC and PCBs	The floor drain may be a potential release point for chemicals to the underlying soil (historical and current).
Building 114 (former)	Trenches, pits, and tunnels	Assessment and remediation of PCBs in trenches, pits, tunnels, and the foundation at Building 114 was conducted under a US EPA consent agreement. According to Ursic (1999b), EPA approved subsequent PCB remediation in December 1991 and required no further action.	Enviro-Wise (1998)	J&G	HREC	PCBs	No further action was granted by EPA following remediation.
	Press 9 pit, extractor car pit, and impacted fill material	Building 114 is no longer present at the site and its former location currently is a parking lot. During demolition, the lowermost floors of two press pits and a high pressure bottle bay were left in place at a depth of approximately 8 feet bgs. Several areas of soil beneath Building 114 were assessed and remediated during decommissioning of the building in 1998: the extractor car pit, fill material below the upper floor, fill used to close the Press 9 pit in the 1970s, and two small areas of discolored soil along the north wall of the building. Excavated materials contained PCBs at concentrations up to 46 mg/kg. Four below grade concrete structures remain (about 7 feet bgs)	Ursic (1999b)	J&G	REC	PCBs	PCB-impacted soil remains in place above industrial PRGs. The area is an asphalt paved parking lot today.
	Historical "well"	During demolition of Building 114, a 10-inch diameter vertical casing was discovered near the northwest corner of the building. The casing was measured to be approximately 64 feet and was dry at the time. The casing was destroyed according to City of Vernon well destruction guidelines by backfilling with concrete and cutting it off approximately 10 feet bgs.	Ursic (1999b)	J&G	HREC	Unknown	Soil testing was not conducted, but the casing was destroyed according to City of Vernon guidelines. Locating this feature may not be feasible and it is unlikely that this "well" acts as a preferential downward flow pathway.
Building 12 (former)	Foundry	The northern end of Building 12, a foundry formerly was located on the subject property. Building 12 was demolished in 1997 and its former location currently is a parking lot. During foundation removal, materials other than soil were observed: blue-white granules, dark brown sand, and gray powder deposited over each other in layers. Analysis of these layers indicated elevated concentrations of copper (up to 21,000 mg/kg) and aluminum (up to 320,000 mg/kg aluminum). Eventually, the whole foundation area of Building 12 was removed to a depth of 4 feet bgs to remove this material. The referenced report states "large subsurface structures (i.e. pits, sumps) were not associated with Building 12;" however, a map included in this document shows two sump locations within the northern part of Building 12 on the subject property. A letter from the City of Vernon dated March 16, 1998 states that this part of the site has met closure requirements. Building was demolished and area was converted to a parking lot.	Ursic (1998b)	J&G	HREC	Metals	City of Vernon provided closure for this building. Soil removal was conducted for elevated levels of metals (copper and zinc). Residual concentrations of metals are likely to present in soil.

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Pechiney Cast Plate Facility
Vernon, California

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Building 104	Degassing precipitate	Degassing precipitate was noted as accumulating along the ground surface outside western wall of Building 104. This material may contain hazardous substances found in aluminum dross. Phase II assessment was recommended.	Enviro-Wise (1998)	J&G	HREC	Metals	Concentrations of metals detected in soil beneath the particulate were less than industrial PRGs.
		Two samples of soil collected beneath this precipitate were analyzed for metals and reportedly contained up to 193 mg/kg copper and 607 mg/kg zinc.	MFG (1998)	J&G			
	Storm water Outfall No. 7	Storm water Outfall No. 7 is located outside the northwest corner of Building 104. During January 1999, soil samples were collected within the outfall area and analyzed for PCBs, TEPH, TPH C21-C28), SVOCs, phenols, and metals. PCBs were detected at concentrations up to 66 mg/kg at 1 foot bgs, but not detected in samples collected at depths of 7 and 10 feet bgs. 50 mg/kg arsenic was reported in one soil sample collected at 5 feet bgs. Based on these data, the outfall area was excavated to a depth of 6 feet bgs, but lateral extent of the excavation was limited by railroad tracks, a wall, and a sidewalk. The maximum concentration of PCBs in confirmation samples collected from the base of the excavation was 4.5 mg/kg. Ursic (1999b) recommended no further action at this location.	Ursic (1999b)	J&G	REC	PCBs, TPH and Metals	Soil impacted with PCBs and metals remain in place because the excavation limits were reached at 6 feet. PCB concentrations in soil left in place are above industrial PRGs. No further action was requested by Alcoa.
	Lubricating oil ASTs	During a site reconnaissance conducted in 1998 by LFR, three ASTs for lubricating oils were observed in the truck repair shop area of the building Pink staining and black grime were noted on floors	LFR (1998)	J&G	HREC	TPH	Soil testing below the concrete floor was not conducted.
	Stoddard solvent spill	A hazardous materials incident report indicates 300 gallons of Stoddard solvent were spilled on the driveway in the "ingot area" near the "spur track" on June 3, 1983. The report indicates the spill was covered with "company sand."	City of Vernon (1983)	Fire Dept.	REC	Stoddard solvent (TPH)	Soil testing below the release was not conducted, but may have occurred within the area currently being addressed for Stoddard solvent.
Building 104	Concrete Flooring - HMC saw	PCBs were detected in concrete flooring at concentrations between 0.044 to 30 mg/kg (in the vicinity of HMC saw).	MFG (1998)	J&G	REC	PCBs	Soil testing below concrete has not been conducted.
	Site reconnaissance observation - current pits and trenches	Trenches and pits covered with steel plates were observed around the furnaces and saw. Hydraulic oils are used in this building and oily water is generated during the molding process. Process water is transported by piping within the trenches to the cooling tower.	--	Site Visit	REC	TPH	Concrete trenches containing hydraulic oil piping may be a potential source of TPH to soil underlying the concrete pits and trenches.
	Site reconnaissance observation - Deep vertical pits and hydraulic system	Three deep vertical pits used for molding long aluminum sheets formerly were located in this building. One of the vertical pits currently is present in front of the Remelt Furnace #3. According to Mr. Clinkenbeard, the other two pits, including the associated hydraulic cylinders, which are located between 30 and 70 feet bgs and used PCB-containing oil, were backfilled in place.	--	Site Visit	REC	PCBs and TPH	Soil testing adjacent to the pits has not been conducted; however, oil rams typically are sealed and are considered to have a low to medium probability of impacting soil. Verify historical pit locations.
	Site reconnaissance observation - unknown circular feature	An unknown circular features (possible floor drain) was noted in the far western portion of the machine shop. The concrete slab in this area was in poor condition. Lubricating oil and cleaners are used in the machine shop.	--	Site Visit	REC	TPH and VOCs	The unknown feature may be a potential release point for the discharge of chemicals to the underlying soil.
Building 64	Site reconnaissance observation - Dross storage	This building is used for dross storage and cooling. The concrete flooring appeared to be in poor condition and in some areas appeared earthen or powdery (grayish white).	--	Site Visit	REC	Metals	Metal-laden dust and debris are likely present on surfaces in this building. Due to the poor condition of the floor, metals may be present in shallow soil at this location.
Courtyard Area	Fuel USTs	Three fuel USTs formerly were located in the courtyard east of Building 104. Soil sampling conducted in 1990 reported diesel fuel in soil at concentrations up to 19,000 mg/kg (G&M, 1990). UST removal and over excavation of impacted soil was conducted under the oversight of the City of Vernon in 1992. Impacted soils were stockpiled on site for bioremediation. Tanks were used to fuel the furnaces (OHM 1992).	Enviro-Wise (1998)	J&G	HREC	TPH and Aromatic VOCs	Bioremediation of excavated soil was conducted on Parcel 6 (personal communication with Mr. Ursic on June 6, 2005). Residual levels of TPH may remain in soi after bioremediation.
		A letter from the City of Vernon dated February 24, 1994 acknowledges that treatment of TPH-impacted soil is adequate and allows for placement of all 800 cubic yards of soil on site as backfill.	City of Vernon (1994)	H&EC			
		The City of Vernon acknowledged completion of the UST removals in a letter dated October 10, 1995, but because contamination was found at several areas of the site, the City requested a remedial action plan.	City of Vernon (1995)	RWQCB UST			
		Three fuel UST were noted in the court yard between Buildings 64, 104 and 112 on a 1949 Sanborn map.	EDR (2005d)	EDR			
Cooling Tower Area	Cooling Tower	Historical water treatment chemicals may have included hexavalent chromium. Hot and cold wells for the cooling system are constructed below grade (approximately 12 feet). Phase II assessment was recommended.	Enviro-Wise (1998)	J&G	REC	metals (Cr 6+)	Soil testing for Cr6+ does not appear to have been conducted in this area.
		60,000 µg/kg PCBs were reported in a soil sample collected from a depth of 1 foot bgs near the hot well of the cooling tower. Lower PCB concentrations were observed in soil near the cold well (100 µg/kg). TEPH was detected at 56 mg/kg and As at 33.8 mg/kg.	MFG (1998)	J&G	REC	PCBs and Metals	Closure was requested by Alcoa. Area excavated to 3 feet below grade along northside of cooling tower. PCB-impacted soil remains in place above PRGs. As at 60 mg/kg is also present in soil.
		Five soil borings were completed to a depth of 10 feet bgs in an area north of the hot well. Soil samples from these borings were analyzed for TEPH, TPH (C21-C28), PCBs, and metals. The referenced report contains original laboratory reports, but only the TEPH and PCB data are tabulated and discussed; metals data were not addressed. TEPH was not detected in soil samples analyzed. PCB concentrations ranged from 0.16 to 21 mg/kg in samples collected at 1 foot bgs; 0.23 and 0.31 mg/kg PCBs were reported in samples collected from 5 and 7 feet bgs, respectively, in one boring. The area was excavated in two stages to a depth of 3 feet bgs; two confirmation samples collected at a depth of 3 feet bgs contained 0.6 and 6.9 mg/kg PCBs. The excavation was backfilled with clean road base and closure was requested from the City of Vernon. Below the area excavated, as was detected at 5, 7 and 11 feet bgs at concentrations of 60, 34, and 57 mg/kg, respectively.	Ursic (1999a)	J&G			

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Pechiney Cast Plate Facility
Vernon, California

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Cooling Tower Area	Site reconnaissance observation - Oil skimmer	Oil is skimmed from the water in the hot well of the cooling tower. Skimmed oil is transferred to a 55-gallon steel drum located adjacent to the hot well. Spills observed by EPA during RCRA compliance inspection of the facility.	--	Site Visit	REC	TPH and Metals	Spill previous reported by EPA in 2003.
	Storm water Outfall No. 6	Discolored soil on the ground surface was noted from the fence line onto the adjacent rail spur. Phase II assessment was recommended.	Enviro-Wise (1998)	J&G	REC	TPH, PCBs, and Metals	Closure was requested by Alcoa. PCB-impacted soil remains in place above PRGs. Phenols were not detected in soil. Elevated metals detected in one boring at 1-foot in the area excavated to 2-feet (assumed).
		A soil sample collected from a depth of 1 foot bgs contained 70,000 µg/kg PCBs, 1400 mg/kg TEPH, 55 mg/kg TRPH, 47.9 mg/kg total chromium, 539 mg/kg copper, 448 mg/kg lead, and 2370 mg/kg zinc. Soluble copper and lead in this sample were 56.5 and 17.7 mg/l, respectively.	MFG (1998)	J&G			
		Five soil borings were completed to a depth of 10 feet bgs within the outfall area. Soil samples from these borings were analyzed for TEPH, TPH (C21-C28), PCBs, metals, and phenols. The referenced report contains original laboratory reports, but only the TEPH and PCB data are tabulated and discussed. 540 mg/kg TEPH was detected at a depth of 1 foot bgs in one boring, but was not detected in other samples. PCBs ranged from 0.10 to 39 mg/kg at 1 foot bgs, from 0.06 to 0.15 between 5 and 7 feet bgs, and were not detected in samples collected at 10 feet bgs. Subsequently, the storm water outfall area was excavated to a depth of 2 feet. Confirmation samples collected at the base of the excavation contained 1.1 to 7.1 mg/kg PCBs. Based on these data, Ursic (1999a) recommended regulatory closure of this area. The excavation was backfilled with clean road base. Sediment within the outfall contained metals and PCBs (Enviro-Wise, 1998).	Ursic (1999a)	J&G			
Cooling Tower Area	Waste disposal pit	An open topped, dirt based waste pit was noted south of the cooling tower on historical drawings. Phase II assessment was recommended.	Enviro-Wise (1998)	J&G	REC/HREC	TPH, PCBs, and Metals	Closure was requested by Alcoa, need to confirm. PCB-impacted soil remains in place above PRGs and TPH-impacted soil remains in place at concentrations above RWQCB screening levels. Additional excavation of impacted soil was limited by stability of excavation and the location of the rail spur. Aerial photographs reviewed from EDR (2005c) suggests this area of the subject property was unpaved in 1947 and 1956. Elevated metals concentrations were detected before excavation activities (less than PRGs after excavation). Phenol was reported as not detected.
		Soil samples collected between depths of 15 and 30 feet bgs from a soil boring completed within the former pit contained 16,000 to 85,000 mg/kg TEPH, 12,000 to 100,000 mg/kg TRPH, and 1400 to 11,000 mg/kg PCBs. VOC related hydrocarbons n-butylbenzene (nBB), sec-butylbenzene (sBB), ethylbenzene (EB), isopropylbenzene, (IPB), isopropyltoluene (IPT), n-butylbenzene (nBB), n-propylbenzene (nPB), toluene (T), trimethylbenzene (TMB), xylenes (X), and naphthalene were detected in soil at a concentration up to 1900 µg/kg. Metals Ba, Cr, Cu, Ni, Vn, and Zn at concentrations below the PRGs.	MFG (1998)	J&G			
		Thirteen additional soil borings were completed within the pit to depths of 45 to 50 feet bgs. The pit was estimated to be approximately 30 feet deep with lateral dimensions of approximately 50 feet by 80 feet. Soil samples from these borings were analyzed for TPH (C21-C28), TEPH, PCBs, metals, and phenols. The referenced report contains original laboratory reports, but only the TEPH and PCB data are tabulated and discussed. 94,000 mg/kg TEPH was reported at a depth of 35 feet bgs; samples collected between 40 and 50 feet bgs did not contain TEPH above laboratory reporting limits. Maximum reported PCB concentration was 52 mg/kg at a depth of 10 feet bgs, but PCBs were reported to a depth of 40 feet bgs at 0.08 mg/kg. Almost 3,000 tons of soil were excavated from the pit. Confirmation samples that contained up to 42,000 mg/kg TPH (C21-C28) and 5.2 mg/kg PCBs and discolored soil indicated impacted soil was still in place (north and west walls and southwest bottom of excavation), but unstable soil and adjacent structures prohibited further excavation. Soil was excavated to a depth of approximately 45 feet. In addition, VOC related hydrocarbons T, X, IPT, nPB, naphthalene, IPB, IPT, and TMBs were detected in soil at concentrations between 4.4 and 75 µg/kg. Metals As, Cr, Cu, Pb, Mo, Ni were also detected. Well AOW-7 was destroyed during the excavation activities. The excavation was backfilled with clean soil and road base and regulatory closure was requested from the City of Vernon.	Ursic (1999a)	J&G			
Parcel 6	Standpipe	A 4-inch within a 6-inch annular standpipe cut off near ground surface was noted west of the rail spur and near a former gate location. Former use of the standpipe was not noted.	Enviro-Wise (1998)	J&G	HREC	Unknown	Soil testing was not conducted around the stand pipe, but locating this feature may not be feasible.
		No odors or staining were noted, and FID readings at the pipe did not indicate the presence of flammable gas; therefore, the standpipe was cut off below ground surface and sealed with mortar.	MFG (1998)	J&G			
	Waste ceramic dump (former area of Building 135)	Building 135 was demolished in 1996 and the foundation removed in 1998 (Ursic, 1998a). According to Ursic (1999c), sampling of stockpiled soil removed from the former foundation area of Building 135 indicated elevated concentrations of lead (3400 mg/kg) and other metals (160 mg/kg total chromium, 650 mg/kg copper, and 1400 mg/kg zinc). Excavation of this area in May and June 1999 uncovered a shallow dump site used to dispose of waste ceramics, primarily dinnerware. Dimensions of the area excavated was not provided in the referenced document, but photographs indicate the excavation was approximately 30 to 40 feet on each side and about 3 feet deep. Two soil samples collected from the base of the excavation contained 34 and 6.3 mg/kg lead. The excavation was backfilled with clean fill and covered with asphalt.	Ursic (1999c)	J&G	HREC	Metals	Residual levels of lead remain in soil, but are below the California PRG of 150 mg/kg.
	Historical use of Parcel 6 (Lots 10 and 11)	Limited historical documentation exists for this portion of the site. Aluminum dross formerly was stored on the east end of Building 135. A rail spur and associated loading dock is indicated on historical site drawings. Phase II assessment was recommended	Enviro-Wise (1998)	J&G	REC	TPH	Limited information is available for this area.
		Fourteen soil samples were collected from seven soil borings completed to a depth of 10 feet bgs at Parcel 6. One soil sample collected at a depth of 1 foot bgs in the south-central part of Parcel 6 reportedly contained 540 mg/kg TEPH near the load dock, but not detected at 10 feet. Metals detected in soil below PRGs.	MFG (1998)	J&G	HREC	TPH	
		Parcel 6 Lot 11 was historically part of Brass-Ross Tool Co. (RBT) located at 5306 Boyle Avenue. Features and buildings noted from 1929 and 1949 Sanborn maps included: a pipe cutting building, a paint storage building, lumber storage, a power saw building, a testing building, storage sheds, carpentry and pattern shop, a paint spray booth, and machine shops.	EDR (2005d)	EDR	REC	TPH , VOCs, Metals and SVOCs	Limited information is available for these historical operations.

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Pechiney Cast Plate Facility
Vernon, California

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Parcel 6	Historical use of Parcel 6 (Lots 10 and 11)	Parcel 6 lot 10 was historically part of Ready Cut Homes Inc. Construction Supply. Features and buildings noted from the 1929 Sanborn map included: an unidentified small building and lumber storage.	EDR (2005d)	EDR	REC	SVOCs, Metals and VOCs	If wood treatment was conducted on site, creosote, metals (arsenic), and VOCs may be present in the subsurface.
	Site reconnaissance observations - Parcel 6 Lot 11	A number of concrete building slabs were observed in this area of Parcel 6. Two large areas of oil staining were observed on the asphalt and concrete in the southern portion of the lot. The concrete and asphalt in the area was in poor condition.	--	Site Visit	REC/OEC	Unknown and TPH	Shallow soil impacts may be associated with the oil stained areas. The potential source of the staining was not identified during our assessment. Limited information is available for the historical operations conducted in buildings formerly located in this area. Oil stained areas should be profiled and disposed.
	Site reconnaissance observations - Parcel 6 Lot 10	An unknown gray-white powdery material was observed on the asphalt between two empty chip hoppers on Lot 10.	--	Site Visit	OEC	Metals	
		A small burned area was observed on the asphalt and palm tree adjacent to the western fence line on Lot 10 (Photograph 233). According to Mr. Clinkenbeard, the fire resulted from a third party cutting pieces of metal equipment.	--	Site Visit	OEC	Metals	
Adjacent and Upgradient Properties	Impacted soil and/or groundwater	3027 Fruitland Ave (Detrex Corp), 5375 S Boyle Ave (U.S. Filter), 3300 Slauson Ave (Bethlehem Steel), 3300 Slauson Ave, Vernon Industrial Plaza (Lots 1-6), 3040 E Slauson Ave (Trico Industries, Inc.), 2911 Slauson Ave (Henry Company), 3165 E. Slauson (Chemclear of Los Angeles Inc.), and 4900 S. Boyle (NI Industries)	EDR (2005a)	EDR	REC	VOCs	Listed facilities are potential off-site sources of chlorinated VOCs in groundwater. Existing on-site groundwater data indicate VOCs are present in groundwater at concentrations greater than MCLs.
	Other Features	An inactive BP Pipeline is located along the east side of Boyle Avenue adjacent to the subject property.	Fire Marshal		REC	TPH and VOCs	

Abbreviations:
BTEX = benzene, toluene, ethylbenzene, and xylenes.
TEPH = total extractable petroleum hydrocarbons.
TVPH = total volatile petroleum hydrocarbons.
TPH (C21-C28) = total petroleum hydrocarbons with carbon chain distribution C21 to C28.
TRPH = total recoverable petroleum hydrocarbons.
VOCs = volatile organic compounds.
ACM = asbestos containing material.
FID = flame ionization detector.
PCBs = polychlorinated biphenyls.
AST = aboveground storage tank.
UST = underground storage tank.
TCE = trichloroethene.
PCE = tetrachloroethene.
MC = methylene chloride.
DCA = dichloroethane.
DCE = dichloroethene.
TCA = trichloroethane.
CCL4 = carbon tetrachloride.
CF = chloroform.
Cr 6+ = hexavalent chromium.
SVOCs = Semi-Volatile Organic Compounds

RWQCB = California Regional Water Quality Control Board -- Los Angeles Region.
US EPA = United States Environmental Protection Agency.
J&G = Jenkens & Gilchrist, LLP.
H&EC = City of Vernon Health & Environmental Controls.
Building Dept. = City of Vernon Building Department.
Fire Dept. = City of Vernon Fire Department.
G&M = Geraghty & Miller Environmental Services.
LFR = Levine Fricke & Associates.
EDR = Environmental Data Resources, Inc.
PRGs = US EPA Preliminary Remediation Goals.

bgs = below ground surface.
mg/kg = milligrams per kilogram.
µg/kg = micrograms per kilogram.
µg/l = micrograms per liter.
ppmv = parts per million per volume.

TABLE 2
PROPOSED PHASE II SAMPLE MATRIX AND POTENTIAL ENVIRONMENTAL ISSUES
Pechiney Cast Plate Facility
Vernon, California

Area/ Building	Phase II Area Key	Potential Environmental Issue	REC/HREC/ OEC Assessment	REC Assessment	COPCs	Phase II Recommended and Comments		Sample Matrix			Phase II Borings and Depths				Sample Analyte and Numbers						
								Soil	Soil Gas	Bldg. Materials	# Borings	Samples per Boring	Total Samples	Sample Depth (feet)	Soil Gas	VOCs	PCBs	TPH	Metals	SVOCs	pH
Site Wide or Multiple Locations		VOC-impacted groundwater	REC	REC-3	VOCs, TPH, and Metals	No	Alcoa is addressing. Groundwater sampling is pending. RWQCB is the lead agency.														
		PCB-impacted flooring	REC	REC-1/ REC-2	PCBs	Yes	Included with buildings below.	x		x											
		Galbestos building siding	OEC	OEC-2	ACM and PCBs	Yes	Galbestos covering on corrugated steel building siding still remains on Building 112, 112A, and 104, and also may be present on other building siding.			x											
		Asbestos	OEC	OEC-2	ACM	Yes	ACM may still be present in floor tiles and mastic, roofing felts and sealants, window putty, black exterior coating on the bag house and ventilation ducts (Building 64), in older furnaces and ovens not replaced in 1990s and in other locations in on-site buildings.			x											
		Surface dust and debris	OEC	OEC-2	ACM, PCBs, and Metals	Yes	Impacted dust and debris may remain.			x											
		Lead-based paint	OEC	OEC-2	Lead	Yes	Based on age of buildings LBP may still be present on painted surfaces. LBP detected flaking interior paints, painted columns, yellow bumper paint, and window pains.			x											
	25	Substations (#1, 2, 5, and 8)	REC	REC-2	PCBs	Yes	PCBs impacted soil remains at substations 2, 5 and 8. PCBs are above PRGs in soil at former substation 8. Oil in substation should be tested.	x			4	2	8	1 and 5 feet			8				
		Historical chemical usage	OEC	OEC-3	111-TCA, PCE and PAHs	No															
		Rail line spurs	OEC	OEC-2	Metals and SVOCs	Yes	Railroad ballast may contain heavy metals and SVOCs (creosote). Only if rail lines will be removed during demolition.	x			8	1	8	Ballast and underlying soil					8	8	
		Historical agricultural use	OEC	OEC-3	Pesticides	No															
Building 112		Scale pit and unknown sump	HREC	HREC	PCBs, TPH, and Metals	No	Former location not documented. No soil testing appears to have been conducted around this structure.														
	13	Site reconnaissance observations - stained flooring (PCBs detected in concrete)	REC	REC-2	PCBs	Yes	PCBs-containing wood block flooring was removed from this area and the underlying concrete contained PCBs. Soil may contain PCBs.	x			1	1	1	soil below B3-7			1				
Building 112A		Stoddard solvent vault, dip tank, and associated equipment (Tube Mill)	REC	REC-3	Stoddard solvent (TPH) and VOCs	No	Alcoa is addressing; passive bioremediation ongoing; and impacted soil to ~45 feet bgs.														
	26	Stoddard solvent USTs, gasoline UST, and solvent still house	REC	REC-2/REC-3	Stoddard solvent (TPH) and VOCs	Yes	Confirm historical information for VOCs in vapor. Alcoa is addressing Stoddard solvent impacts; passive bioremediation ongoing; and impacted soil to ~45 feet bgs.		x		3	2	6	5 and 15 feet	6						
		Tube mill swindell	REC	REC-2	Stoddard solvent (TPH)	No	Alcoa is addressing; passive bioremediation ongoing; and impacted soil remains.														

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Pechiney Cast Plate Facility
Vernon, California

Area/ Building	Phase II Area Key	Potential Environmental Issue	REC/HREC/ OEC Assessment	REC Assessment	COPCs	Phase II Recommended and Comments		Sample Matrix			Phase II Borings and Depths				Sample Analyte and Numbers						
								Soil	Soil Gas	Bldg. Materials	# Borings	Samples per Boring	Total Samples	Sample Depth (feet)	Soil Gas	VOCs	PCBs	TPH	Metals	SVOCs	pH
Building 112A		Tube mill dip tank and discovered drawbench pit	HREC	HREC	TPH	No	Soil impacted with TRPH below RWQCB screening level of 1000 mg/kg. Closure of the "discovered drawbench pit" granted by the City of Vernon.														
		Drawbench pits	REC	REC-4	TPH	No	Closure was granted by the City of Vernon. Soil impacted with TRPH remains in place at concentrations just above 1000 mg/kg, the RWQCB screening level for TEPH.														
		Scalper, planer, and other finishing equipment	REC	REC-4	TPH, VOCs, PCBs, and Metals	No	TPH, PCB, aromatic VOCs, and metals are present in soil. Ursic (1999a) recommended leaving impacted soil in place until the building is removed (with focus on the upper 10 feet of soil). Deeper impacted soil related to the Stoddard solvent area (inside and outside Building 112A). PCBs in soil are above PRGs.														
	1	Oily cuttings and chips storage outside Building 112A	REC	REC-2	TPH, PCBs, and Metals (As)	Yes	TPH impacts assessed with scalper/planar. As in soil above PRGs near railroad line.	x			2	2	4	1 and 5 feet					4		
	2	Etching station	REC	REC-2	pH and Metals	Yes	No soil testing conducted.	x			1	2	2	1 and 5 feet					2		2
	3	Paint shop (yellow paint)	REC	REC-2	VOCs, metals, and TPH	Yes	No soil testing conducted.	x			1	2	2	1 and 5 feet		2		2	2		
		Former degreasing sump (northern part of building)	HREC	HREC	TPH and VOCs	No	No further action was granted by the City of Vernon. TPH-impacted soil remains in the vicinity of the former degreasing sump at a concentration above the RWQCB screening criteria of 1000 mg/kg, but vertical attenuation of TEPH concentrations with depth was observed.														
	4	No. 11 stretcher (filled with petroleum products at time of removal)	REC	REC-2	TPH and PCBs	Yes	Soil tested at the east and west ends only and TPH and PCBs were not detected. No soil testing conducted along the north and south sides.	x			5	2	10	1 and 5 feet below feature			10	10			
	5	Former various pits and sumps	REC	REC-2	TPH and PCBs	Yes	No soil testing conducted.														
		Waste asbestos and refractory pit	OEC	OEC-2	ACM	No	Materials excavated.														
		Tube mill solvent wash tank	HREC	HREC/REC-1	Stoddard solvent and VOCs	No	Fire incident and location not specified.														
	6	Site reconnaissance observation - Hazardous materials storage area blind sump with cracked concrete	REC	REC-2	TPH and PCBs	Yes	Located near the Stoddard solvent areas under bioremediation. Fill in cracks to prevent potential future releases.	x			1	2	2	1 and 5 feet below base of blind sump			2	2			
	7	Site reconnaissance observation - Satellite hazardous waste accumulation area with stained concrete and oily chips	REC	REC-2	TPH and PCBs	Yes	Located near the Stoddard solvent areas under bioremediation. Oily liquids within secondary containment should by pumped into drums, profiled and disposed of appropriately.	x			1	2	2	1 and 5 feet below base of concrete			2	2			
	8	Site reconnaissance observation - Stained concrete floor west of Hazardous materials storage area	REC	REC-2	TPH and PCBs	Yes	Located near the Stoddard solvent areas under bioremediation. PCB-impacted wood block flooring was previously removed from this area and PCBs may be present.	x		x	1	2	2	concrete, and soil 1 and 5 feet below base of concrete			2	2			
	9	Site reconnaissance observation - Current pits and trenches for existing machines	REC	REC-1	TPH and PCBs	Obs	Soil sampling may be warranted based on observations (obs).														

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PROPOSED PHASE II SAMPLE MATRIX AND POTENTIAL ENVIRONMENTAL ISSUES
Pechiney Cast Plate Facility
Vernon, California

Area/ Building	Phase II Area Key	Potential Environmental Issue	REC/HREC/ OEC Assessment	REC Assessment	COPCs	Phase II Recommended and Comments		Sample Matrix			Phase II Borings and Depths				Sample Analyte and Numbers						
								Soil	Soil Gas	Bldg. Materials	# Borings	Samples per Boring	Total Samples	Sample Depth (feet)	Soil Gas	VOCs	PCBs	TPH	Metals	SVOCs	pH
Building 112A	**10**	Site reconnaissance observation - Plate rotator and Hyde-Mechanical saw with oily chip and stained concrete	REC	REC-2	TPH and PCBs	Yes	Located near the Stoddard solvent areas under bioremediation.	x			4	2	8	1 and 5 feet			8	8			
	11	Site reconnaissance observation - Tool and saw cage sump with a steel plate	REC	REC-1	TPH and VOCs	Obs	Observe interior of sump covered with steel plate.														
		Site reconnaissance observation - Excess storage area drums and containers	OEC	OEC-1	TPH and others	No	Unlabeled containers should be profiled and labeled and disposed of appropriately. Hazardous materials and waste should be stored and/or disposed of appropriately.														
Building 106	**12A**	Former pits, sumps, and trenches and former fork truck maintenance shop (pre-1942)	REC	REC-2	TPH and VOCs	Yes	Shallow soil for VOCs (TCE) and deeper soil for TPH and VOCs (benzene). No evaluation of potential impacts to groundwater conducted in this area.	x [1]			2	11	22	45 to groundwater (10-foot intervals)		22		22			
	12B			REC-2		Yes	Shallow soil vapor assessment (VOCs).		x		13	2	26	5 and 15 feet	26						
		Common press trench, press pits, north and south bottle bays, concrete vaults 10, 11, and 12	REC	REC-1/REC-2	TPH and PCBs	No	Soil testing conducted previously, further evaluation covered under area 12 with a soil vapor survey.														
		Former Press 2 French drain	HREC	HREC	TPH and PCBs	No	Soil excavated. Soil impacted with low concentrations of PCBs remain in place below PRGs														
	13	Site reconnaissance observations - stained flooring	REC	REC-2	PCBs	Yes	PCB-containing wood block flooring was removed from this area previously. Based on the condition of the concrete the underlying soil may contain PCBs. Sufficient data for concrete floor for PCBs; soil beneath concrete proposed.	x			2	1	2	soil below from sample points C1 and C3			2				
Building 108	**14**	Extrusion Press 4	REC	REC-1/REC-2	TPH and PCBs	Yes	Press 4 only used for a short time period. Two other presses were located in this areas. No soil testing conducted.	x			2	2	4	1 and 5 feet below base of pit			4	4			
	13	Site reconnaissance observations - stained flooring	REC	REC-2	PCBs	Yes	PCBs-containing wood block flooring was removed from this area previously. Based on the condition of the concrete the underlying soil may contain PCBs. Sufficient data for concrete floor for PCBs; soil beneath concrete not tested.	x			2	1	2	soil below C6 and C8			2				
Building 110		Deep swindell pits	HREC	HREC	PCBs, TPH, and Metals	No	No further action was granted by City of Vernon.														
	15	Site reconnaissance observations - fuel leak and sump/drain	OEC (fuel leaking from a fork lift)	OEC-1	TPH	Obs	Oil should be cleaned up and leaking equipment fixed to terminate the leak. Soil sampling may be warranted based on observations.														
			REC (sump/drain)	REC-2	TPH, VOC and PCBs	Yes	The floor drain may be a potential release point for chemicals to the underlying soil (historical and current).	x			1	2	2	1 and 5 feet below base		2	2	2			
Building 114		Trenches, pits, and tunnels	HREC	HREC	PCBs	No	No further action was granted by EPA following remediation.														
	16	Press 9 pit, extractor car pit, and impacted fill material	REC	REC-2	PCBs	Yes	PCBs detected in soil above PRGs	x			3	2	6	10 and 20 feet			6				
		Historical "well"	HREC	HREC	Unknown	No															

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Area/ Building	Phase II Area Key	Potential Environmental Issue	REC/HREC/ OEC Assessment	REC Assessment	COPCs	Phase II Recommended and Comments		Sample Matrix			Phase II Borings and Depths				Sample Analyte and Numbers						
								Soil	Soil Gas	Bldg. Materials	# Borings	Samples per Boring	Total Samples	Sample Depth (feet)	Soil Gas	VOCs	PCBs	TPH	Metals	SVOCs	pH
Building 12		Foundry	HREC	HREC	Metals	No	City of Vernon provided closure for this building. Soil removal was conducted for elevated levels of metals (copper and zinc). Residual concentrations of metals are likely to be present in soil.														
Building 104 (former)		Degassing precipitate	HREC	HREC	Metals	No	Concentrations of metals detected in soil beneath the particulate were less than industrial PRGs.														
	17	Storm water Outfall No. 7	REC	REC-1/REC-2	PCBs, VOCs, and Metals	Yes	Located just west of historical TCE detections in soil. Soil impacted with PCBs and metals remain in place because the excavation limits were reached at 6 feet. PCBs and As concentrations in soil left in place are above industrial PRGs.	x			1	2	2	7 and 15 feet		2	2		2		
		Lubricating oil ASTs	HREC	HREC	TPH	No	Soil testing below the concrete floor was not conducted.														
		Stoddard solvent spill	REC	REC-1	Stoddard solvent (TPH)	No	Spill location unknown.														
	9	Site reconnaissance observation - Current pits and trenches	REC	REC-1	TPH and PCBs	Obs	Soil sampling may be warranted based on observations.														
	27	Site reconnaissance observation - Deep vertical pits and hydraulic system with oils containing PCBs	REC	REC-2	PCBs and TPH	Yes	No soil testing conducted; assess soil adjacent to current feature. Additional soil testing near others (2) features sealed in place (hydraulic ram extend from 30- 70 feet bgs).	x			1	5	5	30 to 70 feet (10-foot intervals)			5	5			
	18	Site reconnaissance observation - unknown feature (possible floor drain)	REC	REC-2	TPH, PCBs, and VOCs	Yes	The unknown feature may be a potential release point for the discharge of chemicals to the underlying soil.	x			1	2	2	1 and 5 feet		2	2	2			
	19	Concrete flooring - HMC saw	REC	REC-2	PCBs	Yes	PCBs detected in concrete (C-28).	x		x	5	1	5	5 soil (below concrete) and 4 concrete			9				
Building 64	**20**	Site reconnaissance observation - Dross storage	REC	REC-2	Metals	Yes		x			2	2	4	1 and 5 feet					4		
Courtyard Area		Fuel USTs	HREC	HREC	TPH and Aromatic VOCs	No	Bioremediation of excavated soil was conducted on Parcel 6 (personal communication with Mr. Ursic on June 6, 2005). Residual levels of TPH may remain in soil after bioremediation and used as backfill. Hydrocarbon remain in soil; and USTs closed by City.														
Cooling Tower Area	**21**	Cooling Tower	REC	REC-2	Metals (Cr 6+) [2] and PCBs	Yes	After excavation PCBs-impacted soil remains in place above PRGs. As at 60 mg/kg is also present in soil above PRG. Soil testing for Cr6+ does not appear to have been conducted in this area.	x			4	2	8	below the base on hot well pond (15 and 20 feet)			8		8		
	22	Site reconnaissance observation - Oil skimmer	REC	REC-2	TPH and Metals	Yes	EPA site inspection noted spilled oil adjacent to the skimmer drums in 2003.	x			1	2	2	1 and 5 feet				2	2		
	23	Storm water Outfall No. 6	REC	REC-2	TPH, PCBs, and Metals	Yes	PCBs in soil are above PRGs.	x			1	2	2	5 and 10 feet			2	2	2		
		Waste disposal pit	REC/HREC	HREC	TPH, PCBs, and metals	No	Soil excavated to 45 feet; maximum limited based on instability of surrounding structures and rail line; PCBs and TPH remain in soil on the north and west sides of former excavation at concentrations above screening levels.														

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Pechiney Cast Plate Facility
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Area/ Building	Phase II Area Key	Potential Environmental Issue	REC/HREC/ OEC Assessment	REC Assessment	COPCs	Phase II Recommended and Comments		Sample Matrix			Phase II Borings and Depths				Sample Analyte and Numbers						
								Soil	Soil Gas	Bldg. Materials	# Borings	Samples per Boring	Total Samples	Sample Depth (feet)	Soil Gas	VOCs	PCBs	TPH	Metals	SVOCs	pH
Parcel 6		Standpipe	HREC	HREC	Unknown	No	Soil testing was not conducted around the stand pipe, but locating this feature may not be feasible														
		Waste ceramic dump (former area of Building 135)	HREC	HREC	Metals	No	Area excavated. Residual levels of lead remain in soil, but are below the California PRG of 150 mg/kg.														
	24B	Historical use of Parcel 6 (Lots 10 and 11)	REC	REC-2	VOCs	Yes	Limited information is available for these historical operations. Lumber storage - If wood treatment was conducted on site, creosote, metals (arsenic), and VOCs may be present in the subsurface.		x		12	2	24	5 and 15 feet	24						
	24A	Site reconnaissance observations - Parcel 6 (oil staining)	REC/OEC	REC-2/OEC-1 (oil staining)	TPH , PCBs, VOCs, Metals and SVOCs [3]	Yes	Shallow soil impacts may be associated with the oil stained areas. The potential source of the staining was not identified during our assessment. Limited information is available for the historical operations conducted in buildings formerly located in this area. Oil stained areas should be profiled and disposed.	x			5	2	10	1 and 5 feet (depending on soil gas results)		10	10	10	10		
		Site reconnaissance observations - Parcel 6 Lot 10 Gray-white powdery material	OEC	OEC-1	Metals	No	Material should be tested, profiled, and disposed of appropriately.														
Adjacent and Upgradient Properties		Adjacent of upgradient properties with Impacted soil and/or groundwater	REC	REC-5	VOCs	No	Listed facilities are potential off-site sources of chlorinated VOCs in groundwater. Existing on-site groundwater data indicate VOCs are present in groundwater at concentrations greater than MCLs.														
		Inactive BP pipeline located along Bolye Avenue	REC	REC-5	TPH and VOCs	No															
														Subtotal =	56	40	87	75	44	8	2

[1] = Includes Groundwater Hydropunch Sample
[2] = Includes Cr(VI) Analysis
[3] = SVOCs analyses dependent upon results of TPH.

ACM = asbestos containing material
LBP = Lead-based paint
PCBs = polychlorinated biphenyls
TPH = total petroleum hydrocarbons - carbon chain range
VOCs = volatile organic compounds
SVOCs = semi volatile organic compounds
UST = underground storage tank
TCE = trichloroethene
Cr(VI) = hexavalent chromium

RWQCB = California Regional Water Quality Control Board -- Los Angeles Region.
US EPA = United States Environmental Protection Agency.
PRGs = US EPA Preliminary Remediation Goals (Industrial).
REC = Recognized Environmental Condition
HREC = Historical REC
OEC = Other potential environmental condition

REC = Recognized Environmental Condition
REC-1: Requires additional review of data to assess the need for Phase II assessment.
REC-2: Phase II assessment is recommended.
REC-3: Issue is currently being addressed through additional sampling and/or remediation by Alcoa.
REC-4: Issue received closure by the City of Vernon and residual contamination remains in place. No additional assessment is recommended.
REC-5: Offsite REC that has a potential to impact the subject property, but not recommended for Phase II assessment.
HREC: Historical REC
OEC = Other potential environmental condition
OEC-1: Requires minor or materials management action. This also includes *de minimis* conditions (e.g. oil staining).
OEC-2: Requires additional evaluation and possibly testing.
OEC-3: No additional action recommended.

TABLE 3
PHASE II BORING AND SAMPLE SUMMARY
Pechiney Cast Plate Facility
Vernon, California

Boring Designation	Phase II Area Key	Building	Key Features Investigated (Phase II Field Investigation)	Drilling Method	PCB Concrete Sample	Laboratory Analyses							
						Soil Gas	Volatile Organic Compounds (EPA Method 8260B/5035)	Polychlorinated Biphenyls (EPA Method 8082)	Total Petroleum Hydrocarbons with Carbon Chain Speciation (8015B Modified)	Metals (EPA Method 6010B/6020/7000A)	Hexavalent Chromium (EPA Method 7199)	SVOCs (EPA Method 8270C)	pH (EPA Method 9045C)
1	15	110	Square drain (depth unknown)	Direct-push	--[a]	--	3.0', 6.5'	3.0', 6.5'	3.0', 6.5'	--	--	--	--
2	12a/13	106	Soil below concrete sample C1 and soil vapor for area	Direct-push	0-3", 8-11"	5', 15'	--	3.2'	--	--	--	--	--
3	12b	106	Historical operations	Direct-push	--	5', 15'	--	--	--	--	--	--	--
4	12b	106	Historical operations	Direct-push	--	5', 15'	--	--	--	--	--	--	--
5	12b	106	Historical operations	Direct-push	0-3"	5', 15'	--	--	--	--	--	--	--
6	12b	106	Historical operations	Direct-push	--	see note (b)	--	--	--	--	--	--	--
7	12b	106	Historical operations	Direct-push	--	5', 15'	--	--	--	--	--	--	--
8	12b	106	Historical operations	Direct-push	--	5', 15'	5.5', 16.1'	5.5', 16.1'	5.5', 16.1'	--	--	--	--
9	12b	106	Historical operations	Direct-push	--	5', 15'	--	--	--	--	--	--	--
10	12a/13	106	Soil below concrete sample C3 and soil vapor for area	Direct-push	0-3", 7-10"	5', 15'	--	2.7'	--	--	--	--	--
11	12b	106	Historical operations	Direct-push	--	5', 15'	--	--	--	--		--	--
12	12b	106	Historical operations	Direct-push	--	5', 15'	--	--	--	--	--	--	--
13	12a	106	Benzene previously detected in soil at depth	Hollow-Stem Auger	--	--	6.5', 11.5', 21.5', 31.5', 41.5', 46.5'	--	6.5', 11.5', 21.5', 31.5', 41.5', 46.5'	--	--	--	--
14	12a	106	TCE detected in soil at 55 feet	Hollow-Stem Auger	--	--	6.5', 11.5', 21.5', 31.5', 43.5', 46.5', 48.5'	--	6.5', 11.5', 21.5', 31.5', 43.5', 46.5', 48.5'	--	--	--	--
15	12b	106	Historical operations	Direct-push	0-3"	see note (b)	--	--	--	--	--	--	--
16	12b	106	Historical operations	Direct-push	0-3"	5', 15'	--	--	--	--	--	--	--
17	13	108	Soil below concrete sample C8	Direct-push	0-3", 5.5-8.5"	--	2.7', 6.3'	2.7', 6.3'	2.7', 6.3'	--	--	--	--
18	13	108	Soil below concrete sample C6	Direct-push	0-3", 6.5-9.5"	--	--	2.8'	--	--	--	--	--
19	13	112	Soil below former sample point B3-7	Direct-push	0-3", 4-7"	--	--	2.8'	--	--	--	--	--
20	14	108	Soil Adjacent to Extrusion Press Pit (assumes pit at 5 feet bgs)	Direct-push	--	--	6.5', 10.5'	6.5', 10.5'	6.5', 10.5'	--	--	--	--
21	14	108	Soil Adjacent to Extrusion Press Pit (assumes pit at 5 feet bgs)	Direct-push	0-3"	--		6.8', 10.0'	6.8', 10.0'	--	--	--	--
22	2	112	Former Etch Station	Direct-push	--	--	--	--	--	2.6', 6.5'	--	--	2.6', 6.5'
23	4/5	112A	Stretcher Pit	Direct-push	--	--	--	5.0', 9.0'	5.0', 9.0'	--	--	--	--
24	4/5	112A	Pump Pit (approximately 3 to 4 feet deep)	Direct-push	--	--	--	2.7', 7.5' (stepout)	2.7', 7.5' (stepout)	--	--	--	--
25	4/5	112A	Equipment Pit (approximately 4 feet deep)	Direct-push	--	--	--	4.8', 8.7'	4.8', 8.7'	--	--	--	--
26	4/5	112A	Tube Reducer	Direct-push	0-3"	--	--	5.2', 8.8'	5.2', 8.8'	--	--	--	--
27	4/5	112A	Tube Reducer	Direct-push	0-3"	--	--	4.8', 9.0'	4.8', 9.0'	--	--	--	--
28	4/5	112A	Tube Reducer	Direct-push	--	--	--	5.0', 8.8'	5.0', 8.8'	--	--	--	--
29	3	112A	Paint shop (yellow paint)	Direct-push	--	--	2.8', 6.7'	2.8', 6.7'	2.8', 6.7'	2.8', 6.7'	--	--	--
30	3	112A	Vault (in shop area). Observed interior of sump.	Direct-push	--	--	3.5' (sump sediment), 6.3', 9.6'	3.5' (sump sediment), 6.3', 9.6'	3.5' (sump sediment), 6.3', 9.6'	3.5' (sump sediment), 6.3', 9.6'	--	--	--
31	10	112A	Hyde saw oil staining	Direct-push	--	--	--	1.8', 6.4'	1.8', 6.4'	--	--	--	--
32	10	112a	Hyde saw oil staining	Direct-push	--	--	--	2.0', 6.5'	2.0', 6.5'	--	--	--	--
33	10	112A	Leaking oil around saw	Direct-push	--	--	--	2.8', 6.8'	2.5', 6.8'	--	--	--	--
34	6	112A	Blind sump	Direct-push	--	--	3.1', 6.9', 11.1'	3.1', 6.9'	3.1', 6.9', 11.1'	--	--	--	--
35	8	112A	Oil staining on concrete	Direct-push	0-3", 8-11"	--	2.7', 7.1'	2.7', 7.1'	2.7', 7.1'	--	--	--	--
36	7	112A	Oil staining on concrete around waste drum area	Direct-push	0-3"	--	2.3'	2.3', 7.5' (stepout)	2.3', 7.5' (stepout)	--	--	--	--
37	17	Outside 106/104	Storm Water Outfall #7. Impacted soil removed to 6 feet.	Direct-push	--	--	8.1', 16.1'	8.1', 16.1'	8.1', 16.1'	8.1', 16.1'	--	--	--
38	17	Outside 106/104	Storm Water Outfall #7. Impacted soil removed to 6 feet.	Direct-push	--	--	8.1', 16.0'	8.1', 16.0'	8.1', 16.0'	8.1', 16.0'	--	--	--
39	25	SubStation	Former Substation 8	Direct-push	--	--	--	2.2' (gravel area), 6.3', 11.0'	--	--	--	--	--
40	27	104	Vertical Pit with Hydraulic Lift (unable to locate borehole close to pit)	Hollow-Stem Auger	--	--	--	8.6', 11.5', 21.5, 31.5', 41.5', 51.5', 61.5', 71.5'	31.5', 41.5', 51.5', 61.5', 71.5'	--	--	--	--

TABLE 3
PHASE II BORING AND SAMPLE SUMMARY
Pechiney Cast Plate Facility
Vernon, California

Boring Designation	Phase II Area Key	Building	Key Features Investigated (Phase II Field Investigation)	Drilling Method	PCB Concrete Sample	Laboratory Analyses							
						Soil Gas	Volatile Organic Compounds (EPA Method 8260B/5035)	Polychlorinated Biphenyls (EPA Method 8082)	Total Petroleum Hydrocarbons with Carbon Chain Speciation (8015B Modified)	Metals (EPA Method 6010B/6020/7000A)	Hexavalent Chromium (EPA Method 7199)	SVOCs (EPA Method 8270C)	pH (EPA Method 9045C)
41	19	104	Additional concrete samples and soil below concrete sample C28 (PCBs)	Direct-push	0-3", 3-6"	--	--	2.6'	--	--	--	--	--
42	20	64	Dross Storage Area (earthen area)	Direct-push	--	--	--	--	--	2.2', 5' (refusal)	--	--	--
43	18	104	Unknown circular feature (unable to open lid; appears soil is present at a depth of 6 to 8 inches bgs)	Direct-push	--	--	2.5', 7.5'	2.5', 7.5'	2.5', 7.5'	--	--	--	--
44	25	SubStation	Substation 5	Direct-push	--	--	--	2.8', 6.6'	--	--	--	--	--
45	21	Cooling Tower	Hot well pond base at 12 feet bgs	Direct-push (Badger Rig)	--	--	--	16.0', 21.0'	--	16.0', 21.0'	16.0', 21.0'	--	--
46	21/22	Cooling Tower	Hot well pond base at 12 feet bgs (near oil separation drum for hot well)	Direct-push (Badger Rig)	--	--	--	16.0', 21.1'	3.0', 6.5'	16.0', 21.1'	16.0', 21.1'	--	--
47	26	Outside	Outfall #6	Direct-push	--	--	--	6.2', 11.0'	6.2', 11.0'	6.2', 11.0'	--	--	--
48	26	East of B112A	Historical vapor survey to 5 feet (PCE detected). Stoddard solvent impacts and waste pit excavation.	Direct-push	0-3"	5'; 15'	--	--	--	--	--	--	--
49	26	East of B112A	Historical vapor survey to 5 feet (PCE detected). Stoddard solvent impacts and waste pit excavation.	Direct-push	--	5'; 15'	--	--	--	--	--	--	--
50	26	East of B112A	Historical vapor survey to 5 feet (PCE detected). Stoddard solvent impacts and waste pit excavation.	Direct-push	--	5'; 15'	--	--	--	--	--	--	--
51	1	East of B112A	Corner of Building 112A	Direct-push	--	--	3.0', 6.9'	3.0', 6.9'	3.0', 6.9'	--	--	--	--
52	1	East of B112A	Near railroad line	Direct-push	--	--	--	--	--	3.0', 7.0'	--	3.0', 7.0'	--
53	24a	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
54	24a	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
55	24a	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
56	24a	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
57	24a	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
58	24a	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
59	24b	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
60	24a	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
61	24b	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
62	24b	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
63	24b	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
64	24b	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
65	24b	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
66	24b	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
67	24b	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
68	24b	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--

TABLE 3
PHASE II BORING AND SAMPLE SUMMARY
Pechiney Cast Plate Facility
Vernon, California

Boring Designation	Phase II Area Key	Building	Key Features Investigated (Phase II Field Investigation)	Drilling Method	PCB Concrete Sample	Laboratory Analyses							
						Soil Gas	Volatile Organic Compounds (EPA Method 8260B/5035)	Polychlorinated Biphenyls (EPA Method 8082)	Total Petroleum Hydrocarbons with Carbon Chain Speciation (8015B Modified)	Metals (EPA Method 6010B/6020/7000A)	Hexavalent Chromium (EPA Method 7199)	SVOCs (EPA Method 8270C)	pH (EPA Method 9045C)
69	26	East of B112A	Historical Vapor survey to 5 feet (PCE detected). Stoddard solvent impacts and waste pit excavation.	Direct-push	--	5', 15'	--	--	--	--	--	--	--
70	25	SubStation	Substation 2	Direct-push	--	--	--	2.0' (gravel area), 8.8', 14.3'	--	--	--	--	--
71	25	SubStation	Substation 1	Direct-push	--	--		2.3' (gravel area), 6.3', 11.1'	--	--	--	--	--
72	16	114	Former Press Pit	Direct-push	--	--	--	10.8', 20.8'	--	--	--	--	--
73	19	104	Additional concrete samples and soil below concrete sample C28 (PCBs)	Direct-push	0-3", 4-7"	--	--	2.6' (gravel area), 6.4'	--	--	--	--	--
74	19	104	Additional concrete samples and soil below concrete sample C28 (PCBs)	Direct-push	0-3", 10-13"	--	--	2.9'	--	--	--	--	--
75	4/5	112A	Dip Tank Floor Trenches (approximately 3 to 4 feet deep)	Direct-push	--	--	--	4.8', 8.9'	4.8', 8.9'	--	--	--	--
76	24a	Parcel 6	Additional soil testing based on soil vapor results	Direct-push	--	5', 15'	--	--	--	--	--	--	--
77	near 25	near SubStation	Near Former Substation 8	Direct-push	--	see note (c)	5.7', 16.3'	5.7', 16.3'	5.7', 16.3'	--	--	--	--
OB-1	15	110	Leaking Loader. Observation indicates concrete in good condition. No soil sampling recommended.	Based on observations	--	--	--	--	--	--	--	--	--
Observations	9	104/112A	Observed condition of trench and equipment pits 112A/104	Based on observations	--	--	--	--	--	--	--	--	--

Notes:
(a) -- = not analyzed
(b) unable to collect soil gas samples due to refusal at original and two step-out locations (i.e., secondary concrete slabs)
(c) unable to collect soil gas samples due to cave-in of soil boring

Geomatrix

TABLE 4
ANALYTICAL RESULTS FOR SELECTED VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR
Pechiney Cast Plate Facility
Vernon, California

Results shown in micrograms per liter (µg/L)

Sample Identification	Sample Date	Approximate Sample Depth (feet bgs)[a]	Sample Matrix	Volatile Organic Compounds by EPA Method 8260M																										
				Benzene	2-Butanone (MEK)	Carbon Tetrachloride	Chloroethane	Chloroform	Dichlorodifluoromethane (R12)	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene	trans-1,2-Dichloroethylene	cis-1,2-Dichloroethylene	Ethylbenzene	Isopropanol	Methylene Chloride	Stoddard Solvent	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethylene (PCE)	Toluene	1,1,2-Trichloroethane	1,1,1-Trichloroethane	Trichloroethylene (TCE)	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethane	Vinyl chloride	o-Xylene	m,p-Xylenes
Building 106																														
02-SV-5.0[b]	11/15/2005	5.0	Soil Vapor	<1.0[c]J[d]	<10J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<10J	<5.0J	<100J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<5.0J	<1.0J	<1.0J	<1.0J
02-SV-5.0a	11/15/2005	5.0	Soil Vapor	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<2.5	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<0.50	<0.50
02-SV-15.0[b]	11/15/2005	15.0	Soil Vapor	<1.0J	<10J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<10J	<5.0J	<100J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<1.0J	<5.0J	<1.0J	<1.0J	<1.0J
02-SV-15.0a	11/15/2005	15.0	Soil Vapor	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<2.5	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<0.50	<0.50
03-SV-5.0	11/14/2005	5.0	Soil Vapor	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<10	<200	<2.0	<2.0	28	<2.0	<2.0	<2.0	780	<2.0	<10	<2.0	<2.0	<2.0
03-SV-15.0	11/14/2005	15.0	Soil Vapor	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<25	<500	<5.0	<5.0	46	<5.0	<5.0	<5.0	1400	<5.0	<25	<5.0	<5.0	<5.0
04-SV-5.0[e]	11/15/2005	5.0	Soil Vapor	<10	<100	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<50	<1000	<10	<10	<10	<10	<10	<10	22	<10	<50	<10	<10	<10
04-SV-5.0a	11/15/2005	5.0	Soil Vapor	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<2.5	<50	<0.50	<0.50	1.1	<0.50	<0.50	<0.50	14	<0.50	<2.5	<0.50	<0.50	<0.50
04-SV-15.0	11/15/2005	15.0	Soil Vapor	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<2.5	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	5.7	<0.50	<2.5	<0.50	<0.50	<0.50
05-SV-5.0a	11/15/2005	5.0	Soil Vapor	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<2.5	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	<0.50	<2.5	<0.50	<0.50	<0.50
05-SV-15.0	11/15/2005	15.0	Soil Vapor	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<2.5	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	14	<0.50	<2.5	<0.50	<0.50	<0.50
07-SV-5.0	11/15/2005	5.0	Soil Vapor	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<0.50	<0.50	<5.0	<2.5	<50	<0.50	<0.50	11	<0.50	<0.50	<0.50	250E[f]	<0.50	<2.5	<0.50	<0.50	<0.50
07-SV-5.0a	11/15/2005	5.0	Soil Vapor	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<25	<500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	220	<5.0	<25	<5.0	<5.0	<5.0
07-SV-15.0	11/15/2005	15.0	Soil Vapor	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<0.50	<0.50	<5.0	<2.5	<50	<0.50	<0.50	9.4	<0.50	<0.50	<0.50	270E	<0.50	<2.5	<0.50	<0.50	<0.50
07-SV-15.0a	11/15/2005	15.0	Soil Vapor	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<25	<500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	75	<5.0	<25	<5.0	<5.0	<5.0
07-SV-15.0-Dup[g]	11/15/2005	15.0	Soil Vapor	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<2.5	<50	<0.50	<0.50	1.8	<0.50	<0.50	<0.50	100	<0.50	<2.5	<0.50	<0.50	<0.50
08-SV-5.0	12/1/2005	5.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	1.4	<0.20	<0.20	<0.20	0.40	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	6.8	<0.20	<0.20	0.56	160E	<0.20	<1.0	<0.20	<0.20	<0.20
08-SV-5.0a	12/1/2005	5.0	Soil Vapor	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<5.0	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	130	<1.0	<5.0	<1.0	<1.0	<1.0
08-SV-15.0	12/1/2005	15.0	Soil Vapor	<0.20	<2.0	0.27	<0.20	3.5	<0.20	<0.20	<0.20	1.3	<0.20	0.61	<0.20	<2.0	<1.0	<20	<0.20	<0.20	9.8	<0.20	<0.20	1.4	290E	<0.20	<1.0	<0.20	<0.20	<0.20
08-SV-15.0a	12/1/2005	15.0	Soil Vapor	<4.0	<40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<40	<20	<400	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	160	<4.0	<20	<4.0	<4.0	<4.0
09-SV-5.0-PV1	11/14/2005	5.0	Soil Vapor	<1.0	<10	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<5.0	<100	<1.0	<1.0	2.4	<1.0	<1.0	<1.0	150	<1.0	<5.0	<1.0	<1.0	<1.0
09-SV-5.0-PV3	11/14/2005	5.0	Soil Vapor	<1.0	<10	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<5.0	<100	<1.0	<1.0	3.6	<1.0	<1.0	<1.0	220	<1.0	<5.0	<1.0	<1.0	<1.0
09-SV-5.0-PV7	11/14/2005	5.0	Soil Vapor	<1.0	<10	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<5.0	<100	<1.0	<1.0	8.0	<1.0	<1.0	<1.0	310	<1.0	<5.0	<1.0	<1.0	<1.0
09-SV-15.0	11/14/2005	15.0	Soil Vapor	<1.0	<10	<1.0	<1.0	2.3	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	<1.0	<10	<5.0	<100	<1.0	<1.0	12	<1.0	<1.0	1.6	590	<1.0	<5.0	<1.0	<1.0	<1.0
10-SV-5.0	11/15/2005	5.0	Soil Vapor	<0.50	<5.0	<0.50	<0.50	7.6	<0.50	<0.50	<0.50	1.4	<0.50	<0.50	<0.50	<5.0	<2.5	<50	<0.50	<0.50	27	<0.50	<0.50	2.0	520E	<0.50	<2.5	<0.50	<0.50	<0.50
10-SV-5.0a	11/15/2005	5.0	Soil Vapor	<10	<100	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<50	<1000	<10	<10	<10	<10	<10	<10	490	<10	<50	<10	<10	<10
10-SV-15.0	11/15/2005	15.0	Soil Vapor	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<25	<500	<5.0	<5.0	29	<5.0	<5.0	<5.0	1100	<5.0	<25	<5.0	<5.0	<5.0
11-SV-5.0	11/14/2005	5.0	Soil Vapor	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<25	<500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	350	<5.0	<25	<5.0	<5.0	<5.0
11-SV-15.0	11/14/2005	15.0	Soil Vapor	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<25	<500	<5.0	<5.0	40	<5.0	<5.0	<5.0	1100	<5.0	<25	<5.0	<5.0	<5.0
12-SV-5.0	11/14/2005	5.0	Soil Vapor	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	10	<1.0	<1.0	<1.0	<10	<5.0	<100	<1.0	<1.0	44	<1.0	<1.0	3.8	1200	<1.0	<5.0	<1.0	<1.0	<1.0
12-SV-5.0-Dup	11/14/2005	5.0	Soil Vapor	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	11	<5.0	<5.0	<5.0	<50	<25	<500	<5.0	<5.0	38	<5.0	<5.0	<5.0	1200	<5.0	<25	<5.0	<5.0	<5.0
12-SV-15.0	11/14/2005	15.0	Soil Vapor	<10	<100	<10	<10	<10	<10	<10	<10	15	<10	<10	<10	<100	<50	<1000	<10	<10	68	<10	<10	<10	1600	<10	<50	<10	<10	<10
16-SV-5.0	12/1/2005	5.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	0.94	<0.20	<0.20	<0.20	3.4	<0.20	<1.0	<0.20	<0.20	<0.20
16-SV-15.0	11/14/2005	15.0	Soil Vapor	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<5.0	<100	<1.0	<1.0	2.0	<1.0	<1.0	<1.0	5.6	<1.0	<5.0	<1.0	<1.0	<1.0
East of Building 112A																														
48-SV-5.0	12/2/2005	5.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20
48-SV-15.0	12/2/2005	15.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20
49-SV-5.0[h]	12/1/2005	5.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.94	<0.20	<1.0	<0.20	<0.20	<0.20
49-SV-5.0-Dup[h]	12/1/2005	5.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.44	<0.20	<1.0	<0.20	<0.20	<0.20
49-SV-5.0b	12/2/2005	5.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20
49-SV-15.0[h]	12/1/2005	15.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.66	<0.20	<1.0	<0.20	<0.20	<0.20
49-SV-15.0a	12/2/2005	15.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20
50-SV-5.0	12/2/2005	5.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	530	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20
50-SV-5.0-Dup	12/2/2005	5.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	830	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20
50-SV-15.0	12/2/2005	15.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	1900E	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20
50-SV-15.0a[i]	12/2/2005	15.0	Soil Vapor	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<5.0	390	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
50-SV-15.0b	12/2/2005	15.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	720	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20

Geomatrix

TABLE 4
ANALYTICAL RESULTS FOR SELECTED VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR
Pechiney Cast Plate Facility
Vernon, California

Results shown in micrograms per liter (µg/L)

Sample Identification	Sample Date	Approximate Sample Depth (feet bgs)[(a)]	Sample Matrix	Volatile Organic Compounds by EPA Method 8260M																										
				Benzene	2-Butanone (MEK)	Carbon Tetrachloride	Chloroethane	Chloroform	Dichlorodifluoromethane (R12)	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene	trans-1,2-Dichloroethylene	cis-1,2-Dichloroethylene	Ethylbenzene	Isopropanol	Methylene Chloride	Stoddard Solvent	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethylene (PCE)	Toluene	1,1,2-Trichloroethane	1,1,1-Trichloroethane	Trichloroethylene (TCE)	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethane	Vinyl chloride	o-Xylene	m,p-Xylenes
69-SV-5.0	12/2/2005	5.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20
69-SV-15.0	12/2/2005	15.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20
Parcel 6																															
53-SV-5.0	11/23/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
53-SV-15.0	11/23/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
53-SV-15.0-Dup	11/23/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
54-SV-5.0	11/23/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
54-SV-15.0	11/23/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
55-SV-5.0	11/23/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
55-SV-15.0	11/23/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
56-SV-5.0	11/23/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
56-SV-15.0	11/23/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
57-SV-5.0	11/23/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
57-SV-15.0	11/23/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
58-SV-5.0	11/23/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
58-SV-15.0	11/23/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
59-SV-5.0	11/22/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
59-SV-15.0	11/22/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
59-SV-15.0-Dup	11/22/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
60-SV-5.0	11/23/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
60-SV-15.0	11/23/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
61-SV-5.0	12/5/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	0.48
61-SV-15.0	12/5/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
62-SV-5.0	12/1/2005	5.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20
62-SV-15.0	12/1/2005	15.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20
63-SV-5.0	12/5/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	0.22	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
63-SV-5.0-Dup	12/5/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
63-SV-15.0	12/5/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
64-SV-5.0	12/1/2005	5.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20
64-SV-15.0	12/1/2005	15.0	Soil Vapor	<0.20	<2.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<1.0	<20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20
65-SV-5.0	11/22/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
65-SV-15.0	11/22/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
66-SV-5.0	11/22/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
66-SV-15.0	11/22/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
67-SV-5.0	11/22/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	0.51	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
67-SV-15.0	11/22/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	0.48	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
68-SV-5.0	11/22/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
68-SV-15.0	11/22/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
68-SV-15.0-Dup	11/22/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
76-SV-5.0	11/23/2005	5.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10
76-SV-15.0	11/23/2005	15.0	Soil Vapor	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10

Notes:
(a) feet bgs = feet below ground surface
(b) Sample collected without leak check. Recollected sample (see samples 02-SV-5.0a and 02-SV-15.0a).
(c) < = sample result is less than the laboratory reporting limit shown
(d) J = estimated value
(e) Sample was diluted. Recollected sample (see sample 04-SV-5.0a).
(f) E = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate. Confirmation samples were collected and analyzed (see sample results 08-SV-5.0a and 08-SV-15.0a).
(g) Dup = duplicate sample
(h) Instrument carry over. Recollected samples (see samples 49-SV-5.0b and 49-SV-15.0a).
(i) Recollected sample due to lab instrument QA/QC problem.

TABLE 5
ANALYTICAL RESULTS FOR SELECTED VOLATILE ORGANIC COMPOUNDS IN SOIL
Pechiney Cast Plate Facility
Vernon, California

Results shown in micrograms per kilogram (µg/kg)

Sample Identification	Sample Date	Approximate Sample Depth (feet bgs)[a]	Sample Matrix	Volatile Organic Compounds by EPA Method 8260B/5035																														
				Acetone	Benzene	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	Carbon Disulfide	Chloroethane	1,4-Dichlorobenzene	1,3-Dichlorobenzene	1,2-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene	trans-1,2-Dichloroethylene	cis-1,2-Dichloroethylene	Ethylbenzene	Isopropylbenzene	Methyl-tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Tetrachloroethylene (PCE)	Toluene	1,1,1-Trichloroethane	1,2,4-Trichlorobenzene	1,2,3-Trichlorobenzene	Trichloroethylene (TCE)	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	Vinyl chloride	Xylenes, m-, p-	Xylene, o-
Industrial PRGs[b] (µg/kg)				54,000,000	1400	110,000,000	240,000	220,000	720,000	6500	7900	600,000	600,000	6000	600	410,000	230,000	150,000	400,000	2,000,000	70,000	4200	240,000	1300	520,000	1,200,000	220,000	--[c]	6500	70,000	170,000	750	420,000	
SSLs Dilution Attenuation Factor at 20 (DAF20)[d] (µg/kg)				16,000	30	--	--	--	32,000	--	2000	--	17,000	23,000	20	60	700	400	13,000	--	--	84,000	--	60	12,000	2000	5000	--	60	--	--	10	210,000	
LARWQCB Screening Criteria (µg/kg) for sand 100 feet above groundwater[e]				--	46	--	--	--	--	--	--	--	--	--	--	--	--	--	9860	--	50	--	--	--	2570	--	--	--	--	--	--	--	28,000	
Building 104																																		
43-SS-2.5	12/2/2005	2.5	Soil	<50[f]	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
43-SS-7.5	12/2/2005	7.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	3.6	2.4
Building 106																																		
08-SS-5.5	12/1/2005	5.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
08-SS-16.1	12/1/2005	16.1	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	18	<5.0	<5.0	<5.0	<2.0	<2.0
13-SS-6.5	12/12/2005	6.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
13-SS-11.5	12/12/2005	11.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
13-SS-21.5	12/12/2005	21.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
13-SS-31.5	12/12/2005	31.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
13-SS-41.5	12/12/2005	41.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
13-SS-46.5	12/12/2005	46.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	8.6	<5.0	<5.0	74	7.2	<5.0	3.9	<5.0	<5.0	<5.0	<5.0	25	110	<5.0	56	33
14-SS-6.5	12/13/2005	6.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	8.4	<2.0	<5.0	<5.0	<5.0	**83**	<5.0	<5.0	<5.0	<2.0	<2.0
14-SS-11.5	12/13/2005	11.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	53	<5.0	<5.0	<5.0	<2.0	<2.0
14-SS-21.5	12/13/2005	21.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	12	<2.0	<5.0	<5.0	<5.0	**280**	<5.0	<5.0	<5.0	<2.0	<2.0
14-SS-31.5	12/13/2005	31.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	**81**	<5.0	<5.0	<5.0	<2.0	<2.0
14-SS-43.5	12/13/2005	43.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	39	<5.0	<5.0	<5.0	<2.0	<2.0
14-SS-46.5	12/13/2005	46.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	59	<2.0	<5.0	<5.0	<5.0	**3700**	<5.0	<5.0	<5.0	<2.0	<2.0
14-SS-48.5	12/13/2005	48.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	**61**	<2.0	<5.0	<5.0	<5.0	**2200**	<5.0	<5.0	<5.0	<2.0	<2.0
Building 108																																		
17-SS-2.7	11/21/2005	2.7	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	5.0	<2.0	<5.0	<5.0	<5.0	**92**	<5.0	<5.0	<5.0	<2.0	<2.0
17-SS-6.3	11/21/2005	6.3	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	7.2	2.5	<5.0	<5.0	<5.0	**94**	<5.0	<5.0	<5.0	<2.0	<2.0
20-SS-6.5	11/16/2005	6.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	7.9	<5.0	<5.0	<5.0	<2.0	<2.0
20-SS-10.5	11/16/2005	10.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	32	<5.0	<5.0	<5.0	<2.0	<2.0
Building 110																																		
01-SS-3.0	11/16/2005	3.0	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
01-SS-6.5	11/16/2005	6.5	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
Building 112A																																		
29-SS-2.8	11/21/2005	2.8	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
29-SS-6.7	11/21/2005	6.7	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
30-SS-3.5	11/30/2005	3.5	Soil	60	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	3.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2.6	<2.0
30-SS-6.3	11/30/2005	6.3	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
30-SS-9.6	11/30/2005	9.6	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	2.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
34-SS-3.1	11/18/2005	3.1	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
34-SS-6.9	11/18/2005	6.9	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	10	<5.0	<5.0	2.5	<5.0	<5.0	<5.0	<5.0	<5.0	16	<5.0	<2.0	<2.0
34-SS-11.1	11/18/2005	11.1	Soil	<5,000	<200	<5,000	7800	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<200	850	<500	**5400**	2800	<500	<200	<500	<500	<500	<500	9400	37,000	<500	1000	660
35-SS-2.7	11/18/2005	2.7	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	5.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2.5	<2.0
35-SS-7.1	11/18/2005	7.1	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	4.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
36-SS-2.3	11/18/2005	2.3	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	4.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2.9	<2.0
Southwest Corner of Building 112A																																		
51-SS-3.0	11/28/2005	3.0	Soil	61	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
51-SS-6.9	11/28/2005	6.9	Soil	85	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0

TABLE 5
ANALYTICAL RESULTS FOR SELECTED VOLATILE ORGANIC COMPOUNDS IN SOIL
Pechiney Cast Plate Facility
Vernon, California

Results shown in micrograms per kilogram (µg/kg)

Sample Identification	Sample Date	Approximate Sample Depth (feet bgs)[a]	Sample Matrix	Volatile Organic Compounds by EPA Method 8260B/5035																														
				Acetone	Benzene	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	Carbon Disulfide	Chloroethane	1,4-Dichlorobenzene	1,3-Dichlorobenzene	1,2-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethylene	trans-1,2-Dichloroethylene	cis-1,2-Dichloroethylene	Ethylbenzene	Isopropylbenzene	Methyl-tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Tetrachloroethylene (PCE)	Toluene	1,1,1-Trichloroethane	1,2,4-Trichlorobenzene	1,2,3-Trichlorobenzene	Trichloroethylene (TCE)	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	Vinyl chloride	Xylenes, m-, p-	Xylene, o-
Industrial PRGs[b] (µg/kg)				54,000,000	1400	110,000,000	240,000	220,000	720,000	6500	7900	600,000	600,000	6000	600	410,000	230,000	150,000	400,000	2,000,000	70,000	4200	240,000	1300	520,000	1,200,000	220,000	--[c]	6500	70,000	170,000	750	420,000	
SSLs Dilution Attenuation Factor at 20 (DAF20)[d] (µg/kg)				16,000	30	--	--	--	32,000	--	2000	--	17,000	23,000	20	60	700	400	13,000	--	--	84,000	--	60	12,000	2000	5000	--	60	--	--	10	210,000	
LARWQCB Screening Criteria (µg/kg) for sand 100 feet above groundwater[e]				--	46	--	--	--	--	--	--	--	--	--	--	--	--	--	9860	--	50	--	--	--	2570	--	--	--	--	--	--	--	28,000	
Stormwater Outfall #7																																		
37-SS-8.1	11/28/2005	8.1	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
37-SS-16.1	11/28/2005	16.1	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
38-SS-8.1	11/28/2005	8.1	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
38-SS-16.0	11/28/2005	16.0	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0
Near Substation#8																																		
77-SS-5.7	12/1/2005	5.7	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	16	<5.0	<5.0	<5.0	<2.0	<2.0
77-SS-16.3	12/1/2005	16.3	Soil	<50	<2.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<10	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	10	<5.0	<5.0	<5.0	<2.0	<2.0

Notes:
(a) feet bgs = feet below ground surface
(b) Industrial PRG = EPA Region IX Preliminary Remediation Goal for Industrial Soil, October 2004
(c) -- = not established
(d) SSLs = Soil Screening Levels, Migration to Groundwater, EPA Region IX Preliminary Remediation Goal, October 2004
(e) Sand at 100 feet above groundwater assuming groundwater at 140 feet
(f) < = sample result is less than the laboratory reporting limit shown
Bold = Concentration exceeds one or more Screening Level(s)

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TABLE 6
ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS IN SOIL
Pechiney Cast Plate Facility
Vernon, California

Results shown in milligrams per kilogram (mg/kg)

Sample Identification	Sample Date	Approximate Sample Depth (feet bgs)[a]	Sample Matrix	TPH as Stoddard Solvent (5035) (EPA 8260M/5035)	TPH Carbon Chain by EPA Method 8015M		
					C6-C12	C12-C22	C22-C44
					Gasoline Range	Diesel Range	Heavy Hydrocarbons > Diesel Range
LARWQCB Screening Criteria (mg/kg) for soil between 20 to 150 feet above groundwater				--[b]	500	1,000	10,000
LARWQCB Screening Criteria (mg/kg) for soil greater than 150 feet above groundwater				--	1,000	10,000	50,000
Building 104							
40-SS-31.5	12/9/2005	31.5	Soil	NA	<1.0	<1.0	<1.0
40-SS-41.5	12/9/2005	41.5	Soil	NA	<1.0	<1.0	<1.0
40-SS-51.5	12/9/2005	51.5	Soil	NA	<1.0	<1.0	<1.0
40-SS-61.5	12/9/2005	61.5	Soil	NA	<1.0	<1.0	<1.0
40-SS-71.5	12/9/2005	71.5	Soil	NA	<1.0	<1.0	<1.0
43-SS-2.5	12/2/2005	2.5	Soil	<0.50	<1.0	<1.0	<1.0
43-SS-7.5	12/2/2005	7.5	Soil	<0.50	<1.0	<1.0	<1.0
Building 106							
08-SS-5.5	12/1/2005	5.5	Soil	<0.50[c]	<1.0	<1.0	<1.0
08-SS-16.1	12/1/2005	16.1	Soil	<0.50	<1.0	<1.0	<1.0
13-SS-6.5	12/12/2005	6.5	Soil	<0.50	<1.0	<1.0	<1.0
13-SS-11.5	12/12/2005	11.5	Soil	<0.50	<1.0	<1.0	<1.0
13-SS-21.5	12/12/2005	21.5	Soil	<0.50	<1.0	<1.0	<1.0
13-SS-31.5	12/12/2005	31.5	Soil	<0.50	<1.0	<1.0	<1.0
13-SS-41.5	12/12/2005	41.5	Soil	<0.50	<1.0	<1.0	<1.0
13-SS-46.5	12/12/2005	46.5	Soil	1.7	<1.0	<1.0	<1.0
14-SS-6.5	12/13/2005	6.5	Soil	<0.50	<1.0	<1.0	<1.0
14-SS-11.5	12/13/2005	11.5	Soil	<0.50	<1.0	<1.0	<1.0
14-SS-21.5	12/13/2005	21.5	Soil	<0.50	<1.0	<1.0	<1.0
14-SS-31.5	12/13/2005	31.5	Soil	<0.50	<1.0	<1.0	<1.0
14-SS-43.5	12/13/2005	43.5	Soil	<0.50	<1.0	<1.0	<1.0
14-SS-46.5	12/13/2005	46.5	Soil	<0.50	<1.0	<1.0	<1.0
14-SS-48.5	12/13/2005	48.5	Soil	<0.50	<1.0	<1.0	<1.0
Building 108							
17-SS-2.7	11/21/2005	2.7	Soil	<0.50	NA[d]	NA	NA
17-SS-6.3	11/21/2005	6.3	Soil	<0.50	NA	NA	NA
20-SS-6.5	11/16/2005	6.5	Soil	<0.50	<1.0	<1.0	<1.0
20-SS-10.5	11/16/2005	10.5	Soil	<0.50	<1.0	<1.0	<1.0
21-SS-6.8	11/16/2005	6.8	Soil	NA	<1.0	<1.0	<1.0
21-SS-10.0	11/16/2005	10.0	Soil	NA	<1.0	<1.0	<1.0
Building 110							
01-SS-3.0	11/16/2005	3.0	Soil	<0.50	<1.0	<1.0	<1.0
01-SS-6.5	11/16/2005	6.5	Soil	<0.50	<1.0	<1.0	<1.0

TABLE 6
ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS IN SOIL
Pechiney Cast Plate Facility
Vernon, California

Results shown in milligrams per kilogram (mg/kg)

Sample Identification	Sample Date	Approximate Sample Depth (feet bgs)[a]	Sample Matrix	TPH as Stoddard Solvent (5035) (EPA 8260M/5035)	TPH Carbon Chain by EPA Method 8015M		
					C6-C12	C12-C22	C22-C44
					Gasoline Range	Diesel Range	Heavy Hydrocarbons > Diesel Range
LARWQCB Screening Criteria (mg/kg) for soil between 20 to 150 feet above groundwater				--[b]	500	1,000	10,000
LARWQCB Screening Criteria (mg/kg) for soil greater than 150 feet above groundwater				--	1,000	10,000	50,000
Building 112A							
23-SS-5.0	11/17/2005	5.0	Soil	NA	<1.0	<1.0	<1.0
23-SS-9.0	11/17/2005	9.0	Soil	NA	<1.0	<1.0	<1.0
24-SS-2.7	11/17/2005	2.7	Soil	NA	<1.0	<1.0	<1.0
24-SS-7.5	11/30/2005	7.5	Soil	NA	<1.0	<1.0	<1.0
25-SS-4.8	11/17/2005	4.8	Soil	NA	<1.0	<1.0	<1.0
25-SS-8.7	11/17/2005	8.7	Soil	NA	<1.0	<1.0	<1.0
26-SS-5.2	11/28/2005	5.2	Soil	NA	<1.0	<1.0	<1.0
26-SS-8.8	11/28/2005	8.8	Soil	NA	<1.0	<1.0	<1.0
27-SS-4.8	11/17/2005	4.8	Soil	NA	<1.0	<1.0	<1.0
27-SS-9.0	11/17/2005	9.0	Soil	NA	<1.0	<1.0	<1.0
28-SS-5.0	11/17/2005	5.0	Soil	NA	<1.0	<1.0	<1.0
28-SS-8.8	11/17/2005	8.8	Soil	NA	<1.0	<1.0	<1.0
29-SS-2.8	11/21/2005	2.8	Soil	<0.50	<1.0	<1.0	<1.0
29-SS-6.7	11/21/2005	6.7	Soil	<0.50	<1.0	<1.0	<1.0
30-SS-3.5	11/30/2005	3.5	Soil	<0.50	<1.0	2.3	19.8
30-SS-6.3	11/30/2005	6.3	Soil	<0.50	<1.0	111	588
30-SS-9.6	11/30/2005	9.6	Soil	<0.50	<1.0	195.3	853.2
31-SS-1.8	11/18/2005	1.8	Soil	NA	<1.0	<1.0	<1.0
31-SS-6.4	11/18/2005	6.4	Soil	NA	<1.0	<1.0	<1.0
32-SS-2.0	11/18/2005	2.0	Soil	NA	<1.0	<1.0	<1.0
32-SS-6.5	11/18/2005	6.5	Soil	NA	<1.0	<1.0	<1.0
33-SS-2.8	11/18/2005	2.8	Soil	NA	<1.0	<1.0	<1.0
33-SS-6.8	11/18/2005	6.8	Soil	NA	<1.0	<1.0	<1.0
34-SS-3.1	11/18/2005	3.1	Soil	1.6	9.8	77.5	185.2
34-SS-6.9	11/18/2005	6.9	Soil	<0.50	<1.0	<1.0	<1.0
34-SS-11.1	11/18/2005	11.1	Soil	890	420	365.3	<1.0
35-SS-2.7	11/18/2005	2.7	Soil	<0.50	<1.0	<1.0	<1.0
35-SS-7.1	11/18/2005	7.1	Soil	<0.50	<1.0	<1.0	<1.0
36-SS-2.3	11/18/2005	2.3	Soil	<0.50	<1.0	83.9	81.5
36-SS-7.5	12/2/2005	7.5	Soil	NA	<1.0	<1.0	<1.0
75-SS-4.8	11/17/2005	4.8	Soil	NA	<1.0	<1.0	<1.0
75-SS-8.9	11/17/2005	8.9	Soil	NA	<1.0	<1.0	<1.0

TABLE 6
ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS IN SOIL
Pechiney Cast Plate Facility
Vernon, California

Results shown in milligrams per kilogram (mg/kg)

Sample Identification	Sample Date	Approximate Sample Depth (feet bgs)[a]	Sample Matrix	TPH as Stoddard Solvent (5035) (EPA 8260M/5035)	TPH Carbon Chain by EPA Method 8015M		
					C6-C12	C12-C22	C22-C44
					Gasoline Range	Diesel Range	Heavy Hydrocarbons > Diesel Range
LARWQCB Screening Criteria (mg/kg) for soil between 20 to 150 feet above groundwater				--[b]	500	1,000	10,000
LARWQCB Screening Criteria (mg/kg) for soil greater than 150 feet above groundwater				--	1,000	10,000	50,000
Southwest Corner of Building 112A							
51-SS-3.0	11/28/2005	3.0	Soil	<0.50	<1.0	<1.0	<1.0
51-SS-6.9	11/28/2005	6.9	Soil	<0.50	<1.0	<1.0	<1.0
Cooling Tower							
46-SS-3.0	11/22/2005	3.0	Soil	NA	<1.0	29.9	182.5
46-SS-6.5	11/22/2005	6.5	Soil	NA	<1.0	<1.0	<1.0
47-SS-6.2	11/30/2005	6.2	Soil	NA	<1.0	<1.0	15.5
47-SS-11.0	11/30/2005	11.0	Soil	NA	<1.0	<1.0	<1.0
Stormwater Outfall #7							
37-SS-8.1	11/28/2005	8.1	Soil	<0.50	NA	NA	NA
37-SS-16.1	11/28/2005	16.1	Soil	<0.50	NA	NA	NA
38-SS-8.1	11/28/2005	8.1	Soil	<0.50	NA	NA	NA
38-SS-16.0	11/28/2005	16.0	Soil	<0.50	NA	NA	NA
Near Former Substation #8							
77-SS-5.7	12/1/2005	5.7	Soil	<0.50	<1.0	<1.0	<1.0
77-SS-16.3	12/1/2005	16.3	Soil	<0.50	<1.0	<1.0	<1.0

Notes:
(a) feet bgs = feet below ground surface
(b) -- = not established
(c) < = sample result is less than the laboratory reporting limit shown
(d) NA = not analyzed

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TABLE 7
ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS IN SOIL AND CONCRETE
Pechiney Cast Plate Facility
Vernon, California

Results shown in micrograms per kilogram (µg/kg)

Sample Identification	Sample Date	Approximate Sample Depth (feet bgs)[a]	Sample Matrix	PCBs by EPA Method 8082						
				Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260
Industrial PRGs[b] (µg/kg)				21,246	--[c]	--	--	--	744	--
Building 106										
02-CS-0.3	11/30/2005	0.3	Concrete	<2000[d]	<2000	<2000	<2000	7200	<2000	<2000
02-CS-0.3B	12/5/2005	0.3	Concrete	<100	<100	<100	<100	150	<100	<100
02-SS-3.2	11/30/2005	3.2	Soil	<200	<200	<200	<200	<200	<200	<200
05-CS-0.3	12/5/2005	0.3	Concrete	<2000	<2000	<2000	<2000	<2000	<2000	<2000
08-SS-5.5	12/1/2005	5.5	Soil	<20	<20	<20	<20	88	<20	<20
08-SS-16.1	12/1/2005	16.1	Soil	<20	<20	<20	<20	62	<20	<20
10-CS-0.3	11/30/2005	0.3	Concrete	<10,000	<10,000	<10,000	<10,000	32,000	<10,000	<10,000
10-CS-0.3B	12/5/2005	0.3	Concrete	<100	<100	<100	<100	180	<100	<100
10-SS-2.7	11/30/2005	2.7	Soil	<100	<100	<100	<100	350	<100	<100
15A-CS-0.3	12/5/2005	0.3	Concrete	<200	<200	<200	<200	1100	<200	<200
16-CS-0.3	12/5/2005	0.3	Concrete	<10,000	<10,000	<10,000	<10,000	11,000	<10,000	<10,000
Building 108										
17-CS-0.3	11/28/2005	0.3	Concrete	<400	<400	<400	<400	2200	<400	<400
17-CS-0.3B	12/5/2005	0.3	Concrete	<100	<100	<100	<100	100	<100	<100
17-SS-2.7	11/21/2005	2.7	Soil	<20	<20	<20	<20	<20	<20	<20
17-SS-6.3	11/21/2005	6.3	Soil	<20	<20	<20	<20	<20	<20	<20
18-CS-0.3	11/28/2005	0.3	Concrete	<200	<200	<200	<200	<200	<200	<200
18-CS-0.3B	12/5/2005	0.3	Concrete	<400	<400	<400	<400	610	<400	<400
18-SS-2.8	11/16/2005	2.8	Soil	<20	<20	<20	<20	<20	<20	<20
20-SS-6.5	11/16/2005	6.5	Soil	<20	<20	<20	<20	<20	<20	<20
20-SS-10.5	11/16/2005	10.5	Soil	<20	<20	<20	<20	<20	<20	<20
21-CS-0.3	12/5/2005	0.3	Concrete	<200	<200	<200	<200	7200	<200	<200
21-SS-6.8	11/16/2005	6.8	Soil	<20	<20	<20	<20	<20	<20	<20
21-SS-10.0	11/16/2005	10.0	Soil	<20	<20	<20	<20	<20	<20	<20
Building 110										
01-SS-3.0	11/16/2005	3.0	Soil	<20	<20	<20	<20	<20	<20	<20
01-SS-6.5	11/16/2005	6.5	Soil	<20	<20	<20	<20	<20	<20	<20
Building 112										
19-CS-0.3	11/28/2005	0.3	Concrete	<1000	<1000	<1000	<1000	1800	<1000	<1000
19-CS-0.3B	12/5/2005	0.3	Concrete	<400	<400	<400	<400	830	<400	<400
19-SS-2.8	11/16/2005	2.8	Soil	<20	<20	<20	<20	<20	<20	<20
Building 112A										
23-SS-5.0	11/17/2005	5.0	Soil	<20	<20	<20	<20	<20	<20	<20
23-SS-9.0	11/17/2005	9.0	Soil	<20	<20	<20	<20	<20	<20	<20
24-SS-2.7	11/17/2005	2.7	Soil	<20	<20	<20	<20	<20	<20	<20
24-SS-7.5	11/30/2005	7.5	Soil	<200	<200	<200	<200	<200	<200	<200

TABLE 7
ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS IN SOIL AND CONCRETE
Pechiney Cast Plate Facility
Vernon, California

Results shown in micrograms per kilogram (µg/kg)

Sample Identification	Sample Date	Approximate Sample Depth (feet bgs)[a]	Sample Matrix	PCBs by EPA Method 8082						
				Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260
Industrial PRGs[b] (µg/kg)				21,246	--[c]	--	--	--	744	--
Building 112A (continued)										
25-SS-4.8	11/17/2005	4.8	Soil	<20	<20	<20	<20	<20	<20	<20
25-SS-8.7	11/17/2005	8.7	Soil	<20	<20	<20	<20	<20	<20	<20
26-CS-0.3	12/5/2005	0.3	Concrete	<1000	<1000	<1000	<1000	1300	<1000	<1000
26-SS-5.2	11/28/2005	5.2	Soil	<100	<100	<100	<100	<100	<100	<100
26-SS-8.8	11/28/2005	8.8	Soil	<20	<20	<20	<20	200	<20	<20
27-CS-0.3	12/5/2005	0.3	Concrete	<200	<200	<200	<200	<200	<200	<200
27-SS-4.8	11/17/2005	4.8	Soil	<20	<20	<20	<20	<20	<20	<20
27-SS-9.0	11/17/2005	9.0	Soil	<20	<20	<20	<20	<20	<20	<20
28-SS-5.0	11/17/2005	5.0	Soil	<20	<20	<20	<20	<20	<20	<20
28-SS-8.8	11/17/2005	8.8	Soil	<20	<20	<20	<20	<20	<20	<20
29-SS-2.8	11/21/2005	2.8	Soil	<20	<20	<20	<20	<20	<20	<20
29-SS-6.7	11/21/2005	6.7	Soil	<20	<20	<20	<20	<20	<20	<20
30-SS-3.5	11/30/2005	3.5	Soil	<200	<200	<200	<200	<200	<200	<200
30-SS-6.3	11/30/2005	6.3	Soil	<200	<200	<200	<200	<200	<200	<200
30-SS-9.6	11/30/2005	9.6	Soil	<200	<200	<200	<200	<200	<200	<200
31-SS-1.8	11/18/2005	1.8	Soil	<20	<20	<20	<20	<20	<20	<20
31-SS-6.4	11/18/2005	6.4	Soil	<20	<20	<20	<20	<20	<20	<20
32-SS-2.0	11/18/2005	2.0	Soil	<20	<20	<20	<20	<20	<20	<20
32-SS-6.5	11/18/2005	6.5	Soil	<20	<20	<20	<20	<20	<20	<20
33-SS-2.8	11/18/2005	2.8	Soil	<20	<20	<20	<20	<20	<20	<20
33-SS-6.8	11/18/2005	6.8	Soil	<20	<20	<20	<20	<20	<20	<20
34-SS-3.1	11/18/2005	3.1	Soil	<20	<20	<20	<20	<20	<20	<20
34-SS-6.9	11/18/2005	6.9	Soil	<20	<20	<20	<20	<20	<20	<20
35-CS-0.3	11/28/2005	0.3	Concrete	<200	<200	<200	<200	<200	<200	<200
35-CS-0.3B	12/5/2005	0.3	Concrete	<100	<100	<100	<100	<100	<100	<100
35-SS-2.7	11/18/2005	2.7	Soil	<20	<20	<20	<20	<20	<20	<20
35-SS-7.1	11/18/2005	7.1	Soil	<20	<20	<20	<20	<20	<20	<20
36-CS-0.3	12/5/2005	0.3	Concrete	<200	<200	<200	<200	<200	<200	<200
36-SS-2.3	11/18/2005	2.3	Soil	<20	<20	<20	<20	<20	<20	<20
36-SS-7.5	12/2/2005	7.5	Soil	<200	<200	<200	<200	<200	<200	<200
75-SS-4.8	11/17/2005	4.8	Soil	<20	<20	<20	<20	<20	<20	<20
75-SS-8.9	11/17/2005	8.9	Soil	<20	<20	<20	<20	<20	<20	<20
East of Building 112A										
48-CS-0.3	12/5/2005	0.3	Concrete	<100	<100	<100	<100	100	<100	<100

TABLE 7
ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS IN SOIL AND CONCRETE
Pechiney Cast Plate Facility
Vernon, California

Results shown in micrograms per kilogram (µg/kg)

Sample Identification	Sample Date	Approximate Sample Depth (feet bgs)[a]	Sample Matrix	PCBs by EPA Method 8082						
				Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260
Industrial PRGs[b] (µg/kg)				21,246	--[c]	--	--	--	744	--
Southwest Corner of Building 112A										
51-SS-3.0	11/28/2005	3.0	Soil	<20	<20	<20	<20	<20	<20	<20
51-SS-6.9	11/28/2005	6.9	Soil	<20	<20	<20	<20	<20	<20	<20
Press Pit										
72-SS-10.8	11/30/2005	10.8	Soil	<200	<200	<200	<200	<200	<200	<200
72-SS-20.8	11/30/2005	20.8	Soil	<200	<200	<200	<200	<200	<200	<200
Building 104										
40-SS-8.5[e]	12/9/2005	8.5	Soil	<100,000J[f]	<100,000J	<100,000J	<100,000J	440,000J	<100,000J	<100,000J
40-SS-11.5[e]	12/9/2005	11.5	Soil	<2,000J	<2,000J	<2,000J	<2,000J	5,700J	<2,000J	<2,000J
40-SS-21.5[e]	12/9/2005	21.5	Soil	<200,000J	<200,000J	<200,000J	<200,000J	2,000,000J	<200,000J	<200,000J
40-SS-26.5[e]	12/9/2005	26.5	Soil	<100J	<100J	<100J	<100J	280J	<100J	<100J
40-SS-31.5	12/9/2005	31.5	Soil	<200	<200	<200	<200	710	<200	<200
40-SS-41.5	12/9/2005	41.5	Soil	<200	<200	<200	<200	440	<200	<200
40-SS-51.5	12/9/2005	51.5	Soil	<200	<200	<200	<200	520	<200	<200
40-SS-61.5	12/9/2005	61.5	Soil	<200	<200	<200	<200	400	<200	<200
40-SS-66.5[e]	12/9/2005	5(e)	Soil	<100J	<100J	<100J	<100J	<100J	<100J	<100J
40-SS-71.5	12/9/2005	71.5	Soil	<200	<200	<200	<200	490	<200	<200
41-CS-0.3	11/28/2005	0.3	Concrete	<400,000	<400,000	<400,000	<400,000	3,300,000	<400,000	<400,000
41-CS-0.3B	12/5/2005	0.3	Concrete	<20,000	<20,000	<20,000	<20,000	120,000	<20,000	<20,000
41-SS-2.6	11/21/2005	2.6	Soil	<400	<400	<400	<400	2000	<400	<400
43-SS-2.5	12/2/2005	2.5	Soil	<100	<100	<100	<100	<100	<100	<100
43-SS-7.5	12/2/2005	7.5	Soil	<100	<100	<100	<100	<100	<100	<100
73-CS-0.3	12/5/2005	0.3	Concrete	<100	<100	<100	<100	230	<100	<100
73-CS-0.3B	12/5/2005	0.3	Concrete	<200	<200	<200	<200	240	<200	<200
73-SS-2.6	12/5/2005	2.6	Soil	<200,000	<200,000	<200,000	<200,000	960,000	<200,000	<200,000
73-SS-6.4	12/5/2005	6.4	Soil	<100	<100	<100	<100	<100	<100	<100
74-CS-0.3	11/28/2005	0.3	Concrete	<2000	<2000	<2000	<2000	5600	<2000	<2000
74-CS-0.3B	12/5/2005	0.3	Concrete	<100	<100	<100	<100	170	<100	<100
74-SS-2.9	11/21/2005	2.9	Soil	<20	<20	<20	<20	<20	<20	<20
Cooling Tower										
45-SS-16.0	11/22/2005	16.0	Soil	<20	<20	<20	<20	<20	<20	<20
45-SS-21.0	11/22/2005	21.0	Soil	<20	<20	<20	<20	<20	<20	<20
46-SS-16.0	11/22/2005	16.0	Soil	<20	<20	<20	<20	<20	<20	<20
46-SS-21.1	11/22/2005	21.1	Soil	<200	<200	<200	<200	730	<200	<200
Near Substation #8										
39-SS-2.2	11/29/2005	2.2	Soil	<2000	<2000	<2000	<2000	6700	<2000	<2000
39-SS-6.3	11/29/2005	6.3	Soil	<20	<20	<20	<20	<20	<20	<20
39-SS-11.0	11/29/2005	11.0	Soil	<20	<20	<20	<20	<20	<20	<20

TABLE 7
ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS IN SOIL AND CONCRETE
Pechiney Cast Plate Facility
Vernon, California

Results shown in micrograms per kilogram (µg/kg)

Sample Identification	Sample Date	Approximate Sample Depth (feet bgs)[a]	Sample Matrix	PCBs by EPA Method 8082						
				Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260
Industrial PRGs[b] (µg/kg)				21,246	--[c]	--	--	--	744	--
77-SS-5.7	12/1/2005	5.7	Soil	<20	<20	<20	<20	<20	<20	<20
77-SS-16.3	12/1/2005	16.3	Soil	<20	<20	<20	<20	<20	<20	<20
Near Substation #5										
44-SS-2.8	11/29/2005	2.8	Soil	<20	<20	<20	<20	<20	<20	<20
44-SS-6.6	11/29/2005	6.6	Soil	<20	<20	<20	<20	<20	<20	<20
Near Substation #2										
70-SS-2.0	11/30/2005	2.0	Soil	<200	<200	<200	<200	<200	<200	<200
70-SS-8.8	11/30/2005	8.8	Soil	<200	<200	<200	<200	<200	<200	<200
70-SS-14.3	11/30/2005	14.3	Soil	<200	<200	<200	<200	<200	<200	<200
Near Main Substation #1										
71-SS-2.3	12/2/2005	2.3	Soil	<200	<200	<200	<200	<200	<200	570
71-SS-6.3	12/2/2005	6.3	Soil	<100	<100	<100	<100	<100	<100	<100
71-SS-11.1	12/2/2005	11.1	Soil	<20	<20	<20	<20	140	<20	<20
Stormwater Outfall #6										
47-SS-6.2	11/30/2005	6.2	Soil	<200	<200	<200	<200	<200	<200	<200
47-SS-11.0	11/30/2005	11.0	Soil	<200	<200	<200	<200	<200	<200	<200
Stormwater Outfall #7										
37-SS-8.1	11/28/2005	8.1	Soil	<100	<100	<100	<100	<100	<100	<100
37-SS-16.1	11/28/2005	16.1	Soil	<20	<20	<20	<20	<20	<20	<20
38-SS-8.1	11/28/2005	8.1	Soil	<200	<200	<200	<200	680	<200	<200
38-SS-16.0	11/28/2005	16.0	Soil	<20	<20	<20	<20	<20	<20	<20

Notes:
(a) feet bgs = feet below ground surface
(b) Industrial PRGs = EPA Region IX Preliminary Remediation Goals for Industrial Soil, October 200
(c) -- = not established
(d) < = sample result is less than the laboratory reporting limit shown
(e) Sample was extracted and analyzed outside the EPA recommended holding time.
(f) J = estimated concentration

TABLE 8
ANALYTICAL RESULTS FOR METALS IN SOIL
Pechiney Cast Plate Facility
Vernon, California

Results shown in milligrams per kilogram (mg/kg)

Sample Identification	Sample Date	Approximate Sample Depth (feet bgs)[a]	Sample Matrix	pH (EPA 9045)	Total Metals by EPA Method 6010B/7000																					
										Cr[g]				Cu[j]		Pb[k]								Zn[r]		
					Sb[b]	As[c]	Ba[d]	Be[e]	Cd[f]	Total	STLC	Cr(VI)[h]	Co[i]	Total	STLC	Total	STLC	Mo[l]	Ni[m]	Se[n]	Ag[o]	Ti[p]	V[q]	Total	STLC	Hg[s]
TTLC[t] (mg/kg)					500	500	10,000	75	100	2,500	--[u]	500	8,000	2,500	--	1,000	--	3,500	2,000	100	500	700	2,400	5,000	--	20
10 x STLC[v] (mg/kg)					150	50	1,000	7.5	10	50	--	50	800	250	--	50	--	3,500	200	10	50	70	240	2,500	--	2.0
STLC (mg/L)					15	5.0	100	0.75	1.0	--	5.0	5.0	80	--	25	--	5.0	350	20	1.0	5.0	7.0	24	--	250	0.2
Industrial PRGs[w] (mg/kg)					410	0.25	67,000	1,900	450	450	--	64	1,900	41,000	--	800	--	5,100	20,000	5,100	5,100	67	1,000	100,000	--	310
SSLs Dilution Attenuation Factor at 20 (DAF20)[x] (mg/kg)					5.0	29	1,600	63	8.0	38	--	38	--	--	--	--	--	--	130	5.0	34	--	6,000	12,000	--	--
California Background[y] (maximum concentration in mg/kg)					1.95	11	1,400	2.7	1.7	1,579	--	--	46.9	96.4	--	97.1	--	9.6	509	0.43	8.3	1.1	288	236	--	0.9
Building 112																										
22-SS-2.6	11/21/2005	2.6	Soil	7.5	<10[z]	<0.50	150	<1.0	<1.0	21	NA[aa]	NA	11	30	NA	**82**	**5.1**	<5.0	10	<0.50	<1.0	<5.0	46	75	NA	0.071
22-SS-6.5	11/21/2005	6.5	Soil	7.6	<10	<0.50	120	<1.0	<1.0	16	NA	NA	9.5	21	NA	12	NA	<5.0	7.1	<0.50	<1.0	<5.0	38	57	NA	0.034
Building 112A																										
29-SS-2.8	11/21/2005	2.8	Soil	NA	<10	<0.50	87	<1.0	<1.0	14	NA	NA	7.7	15	NA	7.7	NA	<5.0	5.8	<0.50	<1.0	<5.0	35	49	NA	0.084
29-SS-6.7	11/21/2005	6.7	Soil	NA	<10	<0.50	110	<1.0	<1.0	17	NA	NA	8.9	20	NA	11	NA	<5.0	6.9	<0.50	<1.0	<5.0	42	58	NA	0.061
30-SS-3.5	11/30/2005	3.5	Soil	NA	<10	**2.5**	39	**2.8**	<1.0	**200**	2.6	NA	<3.0	**11,000**	**310**	**87**	0.72	<5.0	31	<0.50	<1.0	<5.0	40	**5,800**	120	0.034
30-SS-6.3	11/30/2005	6.3	Soil	NA	<10	**3.3**	140	<1.0	<1.0	16	NA	NA	9.0	26	NA	30	NA	<5.0	7.8	<0.50	<1.0	<5.0	37	84	NA	0.066
30-SS-9.6	11/30/2005	9.6	Soil	NA	<10	<0.05	140	<1.0	<1.0	16	NA	NA	9.7	29	NA	14	NA	<5.0	8.4	<0.50	<1.0	<5.0	36	75	NA	0.096
Southwest Corner of Building 112A																										
52-SS-3.0	11/28/2005	3.0	Soil	NA	<10	<0.50	110	<1.0	<1.0	14	NA	NA	8.4	19	NA	9.3	NA	<5.0	6.8	<0.50	<1.0	<5.0	34	55	NA	0.051
52-SS-7.0	11/28/2005	7.0	Soil	NA	<10	<0.50	150	<1.0	<1.0	18	NA	NA	10	26	NA	11	NA	<5.0	9.2	<0.50	<1.0	<5.0	36	63	NA	0.055
Building 64																										
42-SS-2.2	11/21/2005	2.2	Soil	NA	<10	<0.50	110	<1.0	1.7	23	NA	NA	4.5	**510**	0.25	**140**	**81**	<5.0	12	<0.50	<1.0	<5.0	23	**270**	NA	0.063
Stormwater Outfall #7																										
37-SS-8.1	11/28/2005	8.1	Soil	NA	<10	<0.50	120	<1.0	<1.0	16	NA	NA	8.8	19	NA	8.5	NA	<5.0	7.3	<0.50	<1.0	<5.0	36	55	NA	0.054
37-SS-16.1	11/28/2005	16.1	Soil	NA	<10	<0.50	37	<1.0	<1.0	5.5	NA	NA	<3.0	6.6	NA	<3.0	NA	<5.0	<3.0	<0.50	<1.0	<5.0	20	18	NA	0.055
38-SS-8.1	11/28/2005	8.1	Soil	NA	<10	**4.0**	99	<1.0	<1.0	14	NA	NA	8.2	18	NA	8.0	NA	<5.0	6.8	<0.50	<1.0	<5.0	33	50	NA	0.055
38-SS-16.0	11/28/2005	16.0	Soil	NA	<10	**0.78**	36	<1.0	<1.0	3.8	NA	NA	<3.0	4.5	NA	<3.0	NA	<5.0	<3.0	<0.50	<1.0	<5.0	15	17	NA	0.046
Stormwater Outfall #6																										
47-SS-6.2	11/30/2005	6.2	Soil	NA	<10	**2.1**	130	<1.0	<1.0	18	NA	NA	5.9	**140**	NA	**60**	1.9	<5.0	8.0	<0.50	<1.0	<5.0	27	160	NA	0.18
47-SS-11.0	11/30/2005	11.0	Soil	NA	<10	<0.50	42	<1.0	<1.0	3.8	NA	NA	3.0	5.5	NA	3.4	NA	<5.0	<3.0	<0.50	<1.0	<5.0	13	24	NA	0.044
Cooling Tower																										
45-SS-16.0	11/22/2005	16.0	Soil	NA	<10	<0.50	73	<1.0	<1.0	9.8	NA	<0.040	5.6	10	NA	5.8	NA	<5.0	3.7	<0.50	<1.0	<5.0	29	39	NA	0.041
45-SS-21.0	11/22/2005	21.0	Soil	NA	<10	<0.50	57	<1.0	<1.0	6.9	NA	<0.040	4.2	7.1	NA	4.6	NA	<5.0	<3.0	<0.50	<1.0	<5.0	21	29	NA	0.046
46-SS-16.0	11/22/2005	16.0	Soil	NA	<10	<0.50	48	<1.0	<1.0	16	NA	<0.040	<3.0	9.1	NA	5.3	NA	<5.0	<3.0	<0.50	<1.0	<5.0	70	32	NA	0.032
46-SS-21.1	11/22/2005	21.1	Soil	NA	<10	**1.6**	130	<1.0	<1.0	19	NA	0.35	7.9	35	NA	29	NA	<5.0	9.0	<0.50	<1.0	<5.0	35	92	NA	0.057

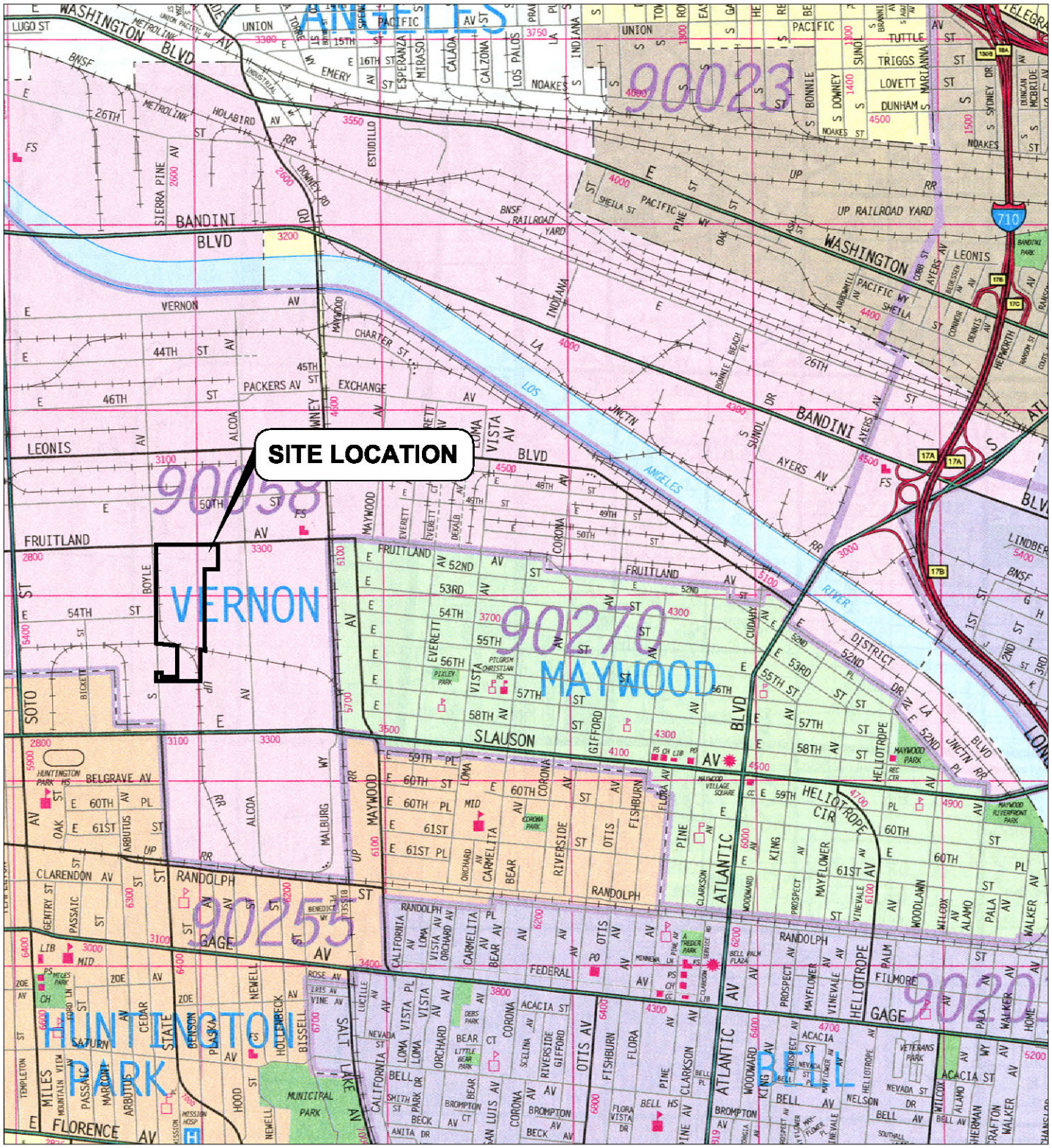
Notes:
(a) feet bgs = feet below ground surface
(b) Sb = Antimony
(c) As = Arsenic
(d) Ba = Barium
(e) Be = Beryllium
(f) Cd = Cadmium
(g) Cr = Total Chromium
(h) Cr(VI) = Hexavalent Chromium
(i) Co = Cobalt
(j) Cu = Copper
(k) Pb = Lead
(l) Mo = Molybdenum
(m) Ni = Nickel
(n) Se = Selenium
(o) Ag = Silver
(p) Ti = Thallium
(q) V = Vanadium
(r) Zn = Zinc
(s) Hg = Mercury (analyzed using EPA Test Method 7471A)
(t) TTLC = Total Threshold Limit Concentration values; California Code of Regulations, Title 22, Chapter II, Article 3.
(u) -- = not applicable
(v) STLC = Soluble Threshold Limit Concentration in mg/L; California Code of Regulations, Title 22, Chapter II, Article 3.
(w) Industrial PRGs = EPA Region IX Preliminary Remediation Goals for Industrial Soil, October 2004.
(x) SSLs = Soil Screening Levels, Migration to Groundwater, EPA Region IX Preliminary Remediation Goal, October 2004.
(y) Kearney Foundation of Soil Science, Background Concentrations of Trace and Major Elements in California Soils, Division of Agriculture and Natural Resources, University of California, March 1996.
(z) < = sample result is less than the laboratory reporting limit shown
(aa) NA = not analyzed
Bold = Concentration exceeds one or more Screening Level(s).

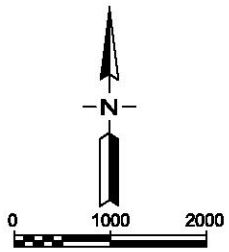
TABLE 9
ANALYTICAL RESULTS FOR SELECTED SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL
Pechiney Cast Plate Facility
Vernon, California

Results shown in milligrams per kilogram (mg/kg)

Sample Identification	Sample Date	Approximate Sample Depth (feet bgs)[a]	Semivolatile Organic Compounds by EPA Method 8270C												
			Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Fluorene	Naphthalene	Phenanthrene	Phenol	Pyrene
Industrial PRGs[b] (mg/kg)			100,000	2.1	0.21	2.1	--[c]	1.3	13	22,000	26,000	4.2	--	100,000	29,000
SSLs Dilution Attenuation Factor at 20 (DAF20)[d] (mg/kg)			12,000	2.0	8.0	5.0	--	--	--	4,300	560	84	--	100	4,200
SW corner of Building 112A															
52-SS-3.0	11/28/2005	3.0	<0.10[e]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
52-SS-7.0	11/28/2005	7.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Notes:
(a) feet bgs = feet below ground surface
(b) Industrial PRG = EPA Region IX Preliminary Remediation Goal for Industrial Soil, October 2004
(c) -- = not established
(d) SSLs = Soil Screening Levels, Migration to Groundwater, EPA Region IX Preliminary Remediation Goal, October 2004
(e) < = sample result is less than the laboratory reporting limit shown





REFERENCE:

USGS 7.5 Minute Quadrangle Maps
SOUTH GATE, California, 1964 & LOS ANGELES, California, 1966.
Photorevised 1981. Minor revision to Los Angeles Quad 1994.

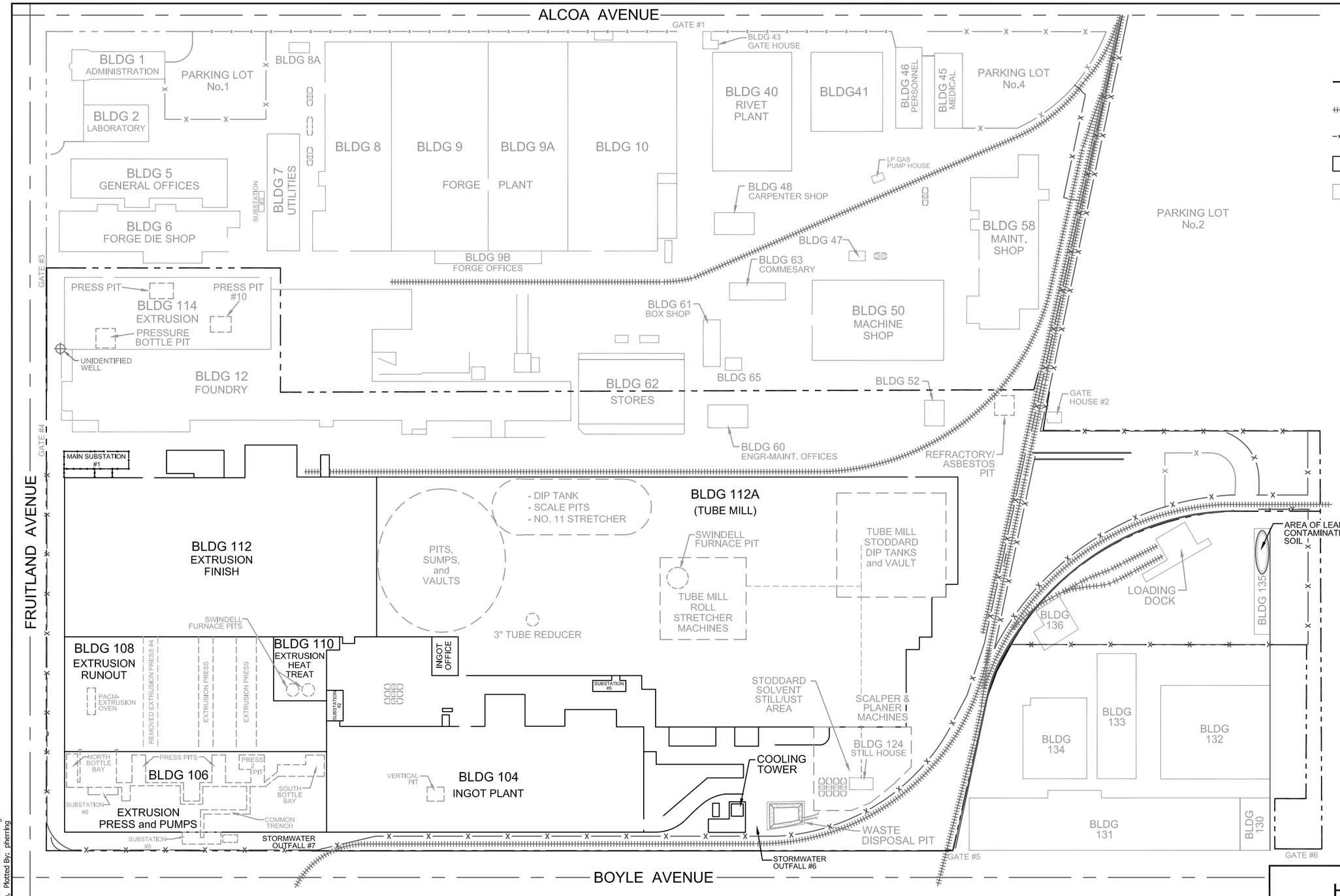
GEOMATRIX

SITE LOCATION MAP

PECHINEY CAST PLATE FACILITY
3200 Fruitland Avenue
Vernon, California

Figure By	Project No.
jrw	10627
Date	Figure
03/09/06	1

Filepath: Y:\10627.000.0\acad\PechineyPlateLocationMap.dwg
Plot Time: Aug 11, 2006 - 5:22pm, Plotted By: pherring



EXPLANATION

- SITE BOUNDARY
- RAILROAD TRACKS
- CHAIN LINK FENCE
- CURRENT BUILDING
- HISTORICAL BUILDING
- FORMER UNDERGROUND STORAGE TANK LOCATION WITH TANK DESIGNATION
- APPROXIMATE LOCATION OF HISTORICAL OPERATIONS

SITE PLAN PROVIDED BY PECHINEY CAST PLATE, INC., AND BASED ON AN ALUMINUM COMPANY OF AMERICA "WORKS GENERAL-MAP" FIGURE DATED SEPT 16,1969. ADDITIONAL HISTORICAL FEATURES BASED ON DOCUMENT REVIEW.

NOTE:

1. SITE BOUNDARY IS APPROXIMATE.

N

0 75 150

APPROXIMATE SCALE IN FEET

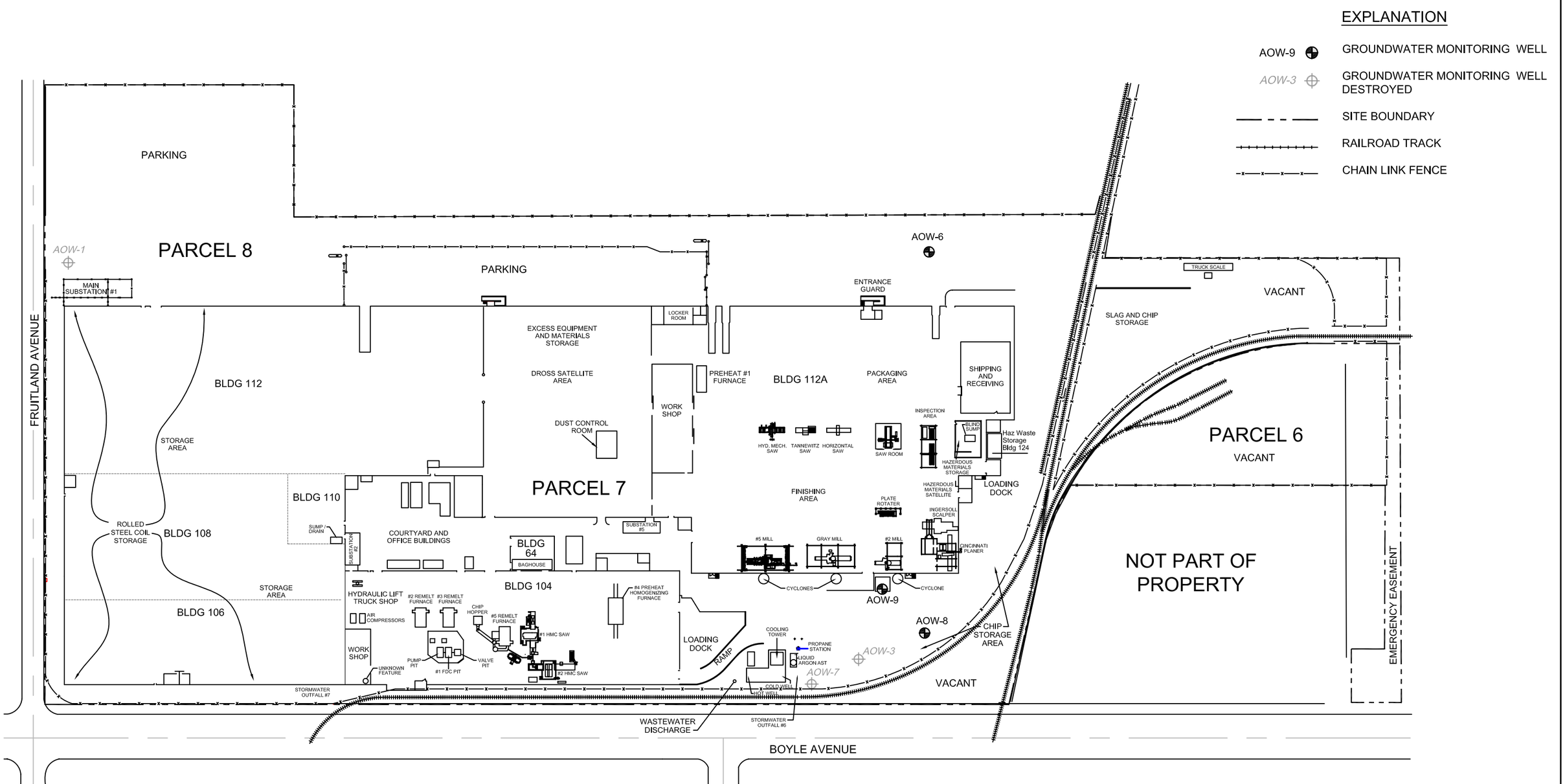
HISTORICAL SITE PLAN

PECHINEY CAST PLATE FACILITY
3200 Fruitland Avenue
Vernon, California

GEOMATRIX

Figure By	Project No.	Figure
jrw	10627	2
Date 03/09/06		

Filepath: Y:\10627.000.0\acad\SITE Plan-Historical.dwg
Plot Time: May 08, 2006 - 6:09pm, Plotted By: pherring



BASEMAP MODIFIED FROM PECHINEY CAST PLATE, INC. SITE PLAN DATED O8 JAN 02, GERAGHTY & MILLER, INC. "GROUNDWATER ELEVATION AND VOLATILE ORGANIC COMPOUND CONCENTRATIONS DECEMBER 8, 1994" FIGURE DATED 2-2-95, ALUMINUM COMPANY OF AMERICA "WORKS GENERAL-MAP" FIGURE DATED 10-10-84, AND LOS ANGELES COUNTY ASSESSOR'S OFFICE PARCEL MAP 6310 / SHEET 8 DATED 11-5-58.

NOTE:

1. SITE BOUNDARY AND GROUNDWATER MONITORING WELL LOCATIONS ARE APPROXIMATE.

N

0 70 140

APPROXIMATE SCALE IN FEET

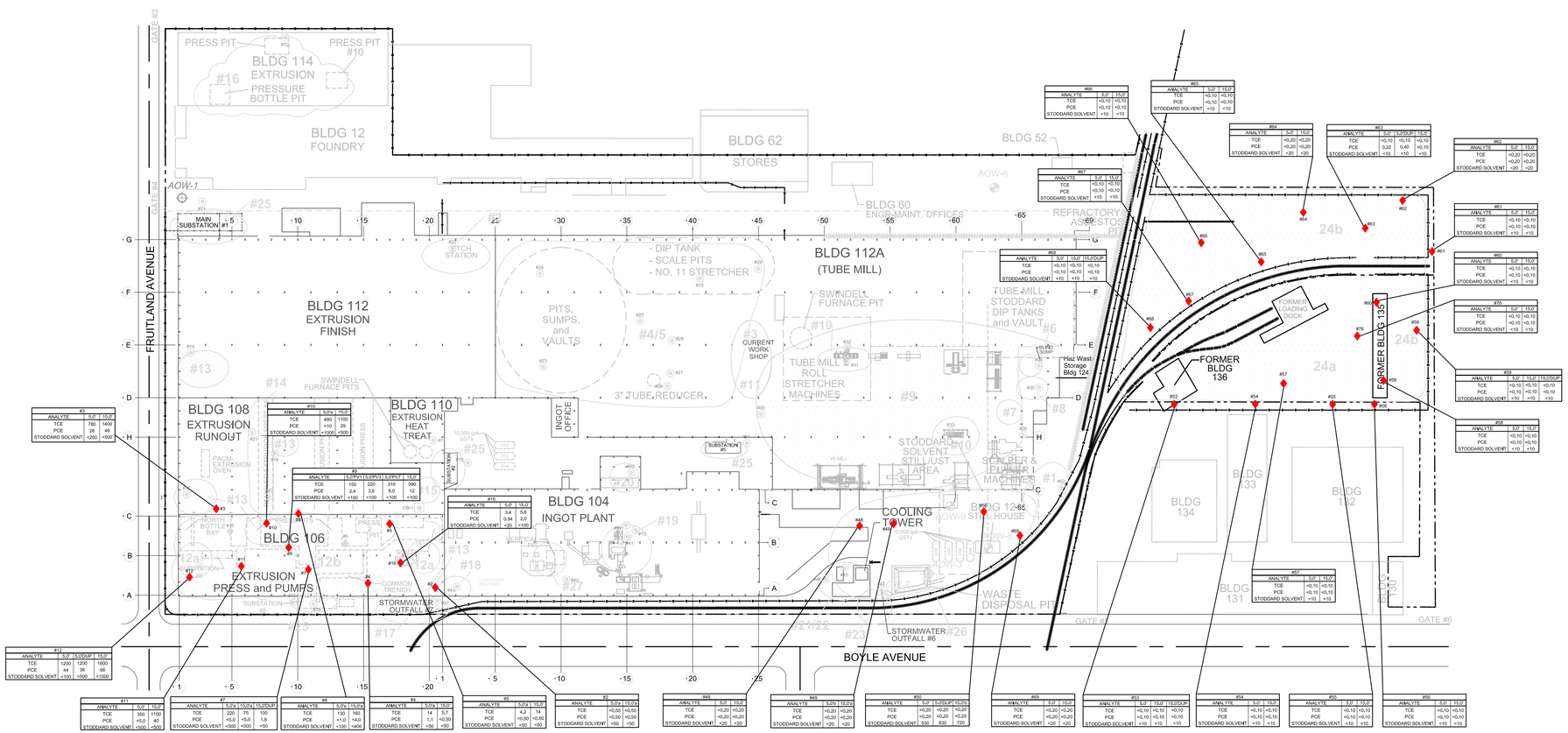
CURRENT SITE PLAN

PECHINEY CAST PLATE FACILITY
3200 Fruitland Avenue
Vernon, California

GEOMATRIX

Figure By	Project No.	Figure
jrw	10627	3
Date 03/09/06		

Filepath: Y:\10627.000.0\acad\SITE Plan.dwg
Plot Time: Aug 11, 2006 - 5:29pm, Plotted By: pherring



EXPLANATION

AOW-9	GROUNDWATER MONITORING WELL
AOW-3	GROUNDWATER MONITORING WELL DESTROYED
#10	SOIL VAPOR SAMPLING POINT
#40	SOIL BORING
	SITE BOUNDARY
	RAILROAD TRACK
	CHAIN LINK FENCE
	BURIED RAIL LINE
	APPROXIMATE LOCATION OF WATER AND FIRE MAINS
	OBSERVATION AREA
TCE	TRICHLOROETHYLENE
PCE	TETRACHLOROETHYLENE
<2.0	SAMPLE RESULT IS LESS THAN THE REPORTING LIMIT SHOWN
5.0'	SAMPLE DEPTH AT FEET BELOW GROUND SURFACE
DUP	DUPLICATE SAMPLE
	AREA OF PHASE II SAMPLE LOCATIONS
#25	SUBSTATIONS
#9	CURRENT TRENCHES AND PIT IN BUILDINGS 104 AND 112A
#13	POLYCHLORINATED BIPHENYLS RELATED TESTING (EITHER SOIL AND/OR CONCRETE)
24b	SOIL VAPOR SURVEYS
12b	
12a	DEEP BORINGS TO GROUNDWATER

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. VOC SAMPLES ANALYZED USING EPA METHOD 8260M.
3. VOC SAMPLE RESULTS REPORTED IN MICROGRAMS PER LITER (µg/l).

Approximate Scale In Feet: 0, 50, 100

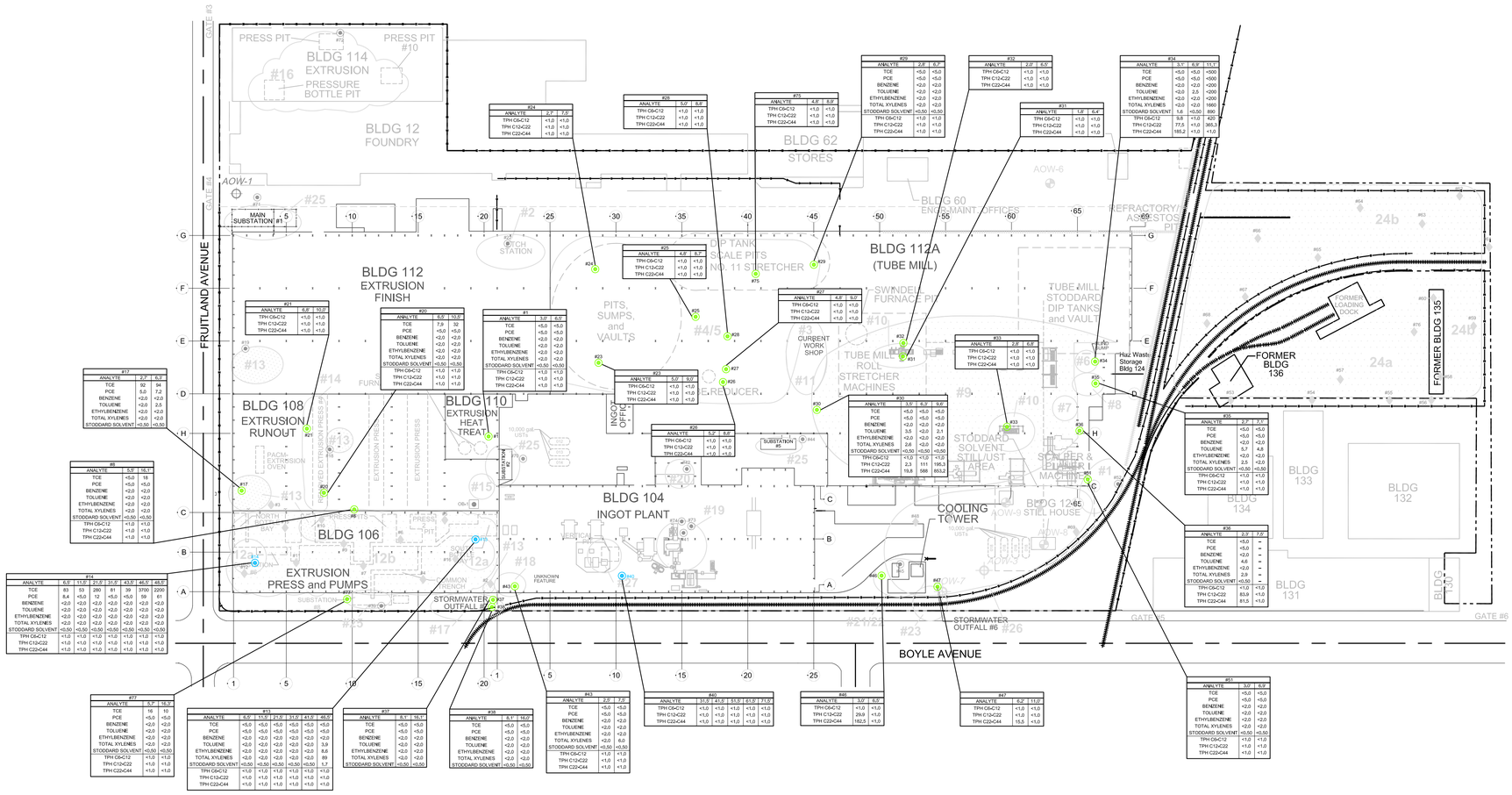
Approximate Scale In Meters: 0, 15, 30

BASEMAP MODIFIED FROM PECHINEY CAST PLAGE, INC. SITE PLAN DATED JANUARY 9, 2002; GERAGHTY & MILLER, INC. "GROUNDWATER ELEVATION AND VOLATILE ORGANIC COMPOUND CONCENTRATIONS DECEMBER 8, 1994" FIGURE DATED FEBRUARY 2, 1995; ALUMINUM COMPANY OF AMERICA "WORKS GENERAL-MPA" FIGURE DATED OCTOBER 10, 1984, AND LOS ANGELES COUNTY ASSESSOR'S OFFICE PARCEL MAP 6310 / SHEET 8 DATED NOVEMBER 5, 1958.

SELECTED VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR
NOVEMBER - DECEMBER 2005
PECHINEY CAST PLATE FACILITY
3200 Fruitland Avenue
Vernon, California

By: SBN	Date: 3/9/06	Project No.10627
Geomatrix	Figure	4

Plot Date: 08/11/06 - 5:30pm, Plotted by: pherring
Drawing Path: Y:\10627.000\Acad\, Drawing Name: SOIL_VAPOR_CONCENTRATIONS_v2.dwg



#17	2.7'	6.7'
TCE	92	94
PCE	5.0	7.2
BENZENE	<2.0	<2.0
TOLUENE	<2.0	2.5
ETHYLBENZENE	<2.0	<2.0
TOTAL XYLENES	<2.0	<2.0
STODDARD SOLVENT	<0.50	<0.50

#8	5.5'	16.7'
TCE	<5.0	18
PCE	<5.0	<5.0
BENZENE	<2.0	<2.0
TOLUENE	<2.0	<2.0
ETHYLBENZENE	<2.0	<2.0
TOTAL XYLENES	<2.0	<2.0
STODDARD SOLVENT	<0.50	<0.50
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#14						
ANALYTE	6.5'	11.5'	21.5'	31.5'	43.5'	46.5'
TCE	83	53	280	61	39	3700
PCE	8.4	<5.0	12	<5.0	<5.0	59
BENZENE	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
TOLUENE	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
ETHYLBENZENE	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
TOTAL XYLENES	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
STODDARD SOLVENT	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TPH C6-C12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TPH C12-C22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TPH C22-C44	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

#24	2.7'	7.2'
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#26	5.0'	5.8'
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#15	4.8'	8.0'
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#29	2.8'	6.7'
TCE	<5.0	<5.0
PCE	<5.0	<5.0
BENZENE	<2.0	<2.0
TOLUENE	<2.0	<2.0
ETHYLBENZENE	<2.0	<2.0
TOTAL XYLENES	<2.0	<2.0
STODDARD SOLVENT	<0.50	<0.50
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#32	2.0'	6.0'
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#31	1.2'	6.4'
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#34	3.1'	6.9'	11.1'
TCE	<5.0	<5.0	<500
PCE	<5.0	<5.0	<500
BENZENE	<2.0	<2.0	<200
TOLUENE	<2.0	2.5	<200
ETHYLBENZENE	<2.0	<2.0	<200
TOTAL XYLENES	<2.0	<2.0	1660
STODDARD SOLVENT	1.6	<0.50	890
TPH C6-C12	5.8	<1.0	420
TPH C12-C22	77.5	<1.0	365.3
TPH C22-C44	185.2	<1.0	<1.0

#21	6.8'	10.0'
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#20	6.5'	10.5'
TCE	7.9	52
PCE	<5.0	<5.0
BENZENE	<2.0	<2.0
TOLUENE	<2.0	<2.0
ETHYLBENZENE	<2.0	<2.0
TOTAL XYLENES	<2.0	<2.0
STODDARD SOLVENT	<0.50	<0.50
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#1	3.0'	6.5'
TCE	<5.0	<5.0
PCE	<5.0	<5.0
BENZENE	<2.0	<2.0
TOLUENE	<2.0	<2.0
ETHYLBENZENE	<2.0	<2.0
TOTAL XYLENES	<2.0	<2.0
STODDARD SOLVENT	<0.50	<0.50
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#25	4.8'	8.7'
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#27	4.8'	9.0'
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#23	5.0'	9.0'
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#33	2.8'	6.8'
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#26	5.2'	8.8'
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#30	3.5'	6.3'	9.6'
TCE	<5.0	<5.0	<5.0
PCE	<5.0	<5.0	<5.0
BENZENE	<2.0	<2.0	<2.0
TOLUENE	3.5	<2.0	2.1
ETHYLBENZENE	<2.0	<2.0	<2.0
TOTAL XYLENES	2.8	<2.0	<2.0
STODDARD SOLVENT	<0.50	<0.50	<0.50
TPH C6-C12	<1.0	<1.0	<1.0
TPH C12-C22	2.3	511	195.3
TPH C22-C44	16.8	588	853.2

#35	2.7'	7.1'
TCE	<5.0	<5.0
PCE	<5.0	<5.0
BENZENE	<2.0	<2.0
TOLUENE	5.7	4.8
ETHYLBENZENE	<2.0	<2.0
TOTAL XYLENES	2.5	<2.0
STODDARD SOLVENT	<0.50	<0.50
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#36	2.3'	7.0'
TCE	<5.0	--
PCE	<5.0	--
BENZENE	<2.0	--
TOLUENE	4.6	--
ETHYLBENZENE	<2.0	--
TOTAL XYLENES	2.9	--
STODDARD SOLVENT	<0.50	--
TPH C6-C12	<1.0	<1.0
TPH C12-C22	83.9	<1.0
TPH C22-C44	81.5	<1.0

#77	5.7'	15.3'
TCE	18	10
PCE	<5.0	<5.0
BENZENE	<2.0	<2.0
TOLUENE	<2.0	<2.0
ETHYLBENZENE	<2.0	<2.0
TOTAL XYLENES	<2.0	<2.0
STODDARD SOLVENT	<0.50	<0.50
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#13						
ANALYTE	6.5'	11.5'	21.5'	31.5'	41.5'	46.5'
TCE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PCE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZENE	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
TOLUENE	<2.0	<2.0	<2.0	<2.0	<2.0	3.9
ETHYLBENZENE	<2.0	<2.0	<2.0	<2.0	<2.0	8.6
TOTAL XYLENES	<2.0	<2.0	<2.0	<2.0	<2.0	89
STODDARD SOLVENT	<0.50	<0.50	<0.50	<0.50	<0.50	1.7
TPH C6-C12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TPH C12-C22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TPH C22-C44	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

#37	8.1'	15.1'
TCE	<5.0	<5.0
PCE	<5.0	<5.0
BENZENE	<2.0	<2.0
TOLUENE	<2.0	<2.0
ETHYLBENZENE	<2.0	<2.0
TOTAL XYLENES	<2.0	<2.0
STODDARD SOLVENT	<0.50	<0.50

#38	8.1'	16.0'
TCE	<5.0	<5.0
PCE	<5.0	<5.0
BENZENE	<2.0	<2.0
TOLUENE	<2.0	<2.0
ETHYLBENZENE	<2.0	<2.0
TOTAL XYLENES	<2.0	<2.0
STODDARD SOLVENT	<0.50	<0.50

#43	2.5'	7.5'
TCE	<5.0	<5.0
PCE	<5.0	<5.0
BENZENE	<2.0	<2.0
TOLUENE	<2.0	<2.0
ETHYLBENZENE	<2.0	<2.0
TOTAL XYLENES	<2.0	6.0
STODDARD SOLVENT	<0.50	<0.50
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

#40	31.5'	41.5'	51.5'	61.5'	71.5'
TPH C6-C12	<1.0	<1.0	<1.0	<1.0	<1.0
TPH C12-C22	<1.0	<1.0	<1.0	<1.0	<1.0
TPH C22-C44	<1.0	<1.0	<1.0	<1.0	<1.0

#46	3.0'	5.5'
TPH C6-C12	<1.0	<1.0
TPH C12-C22	29.9	<1.0
TPH C22-C44	162.5	<1.0

#47	6.2'	11.0'
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	15.5	<1.0

#51		
ANALYTE	3.0'	6.9'
TCE	<5.0	<5.0
PCE	<5.0	<5.0
BENZENE	<2.0	<2.0
TOLUENE	<2.0	<2.0
ETHYLBENZENE	<2.0	<2.0
TOTAL XYLENES	<2.0	<2.0
STODDARD SOLVENT	<0.50	<0.50
TPH C6-C12	<1.0	<1.0
TPH C12-C22	<1.0	<1.0
TPH C22-C44	<1.0	<1.0

EXPLANATION

AOW-9	GROUNDWATER MONITORING WELL
AOW-3	GROUNDWATER MONITORING WELL DESTROYED
#10	SOIL VAPOR SAMPLING POINT
#40	DEEPER SOIL BORING
#1	SHALLOW SOIL BORING
	SITE BOUNDARY
	RAILROAD TRACK
	CHAIN LINK FENCE
	BURIED RAIL LINE
	APPROXIMATE LOCATION OF WATER AND FIRE MAINS
	OBSERVATION AREA
TCE	TRICHLOROETHYLENE
TPH	TOTAL PETROLEUM HYDROCARBONS
C6-C12	GASOLINE RANGE
C12-C22	DIESEL RANGE
C22-C44	HEAVY HYDROCARBONS > DIESEL RANGE
<2.0	SAMPLE RESULT IS LESS THAN THE REPORTING LIMIT SHOWN
2.7'	SAMPLE DEPTH AT FEET BELOW GROUND SURFACE
--	NOT ANALYZED
	AREA OF PHASE II SAMPLE LOCATIONS
#25	SUBSTATIONS
#9	CURRENT TRENCHES AND PIT IN BUILDINGS 104 AND 112A
#13	PCB RELATED TESTING (EITHER SOIL AND/OR CONCRETE)
24b	SOIL VAPOR SURVEYS
12a	DEEP BORINGS TO GROUNDWATER

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. VOCs AND STODDARD SOLVENT SAMPLES ANALYZED USING EPA METHOD 8260B/5035. TPH SAMPLES ANALYZED USING EPA METHOD 8015M.
3. VOC SAMPLE RESULTS REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg).
4. STODDARD SOLVENT AND TPH SAMPLE RESULTS REPORTED IN MILLIGRAMS PER KILOGRAMS (mg/kg).

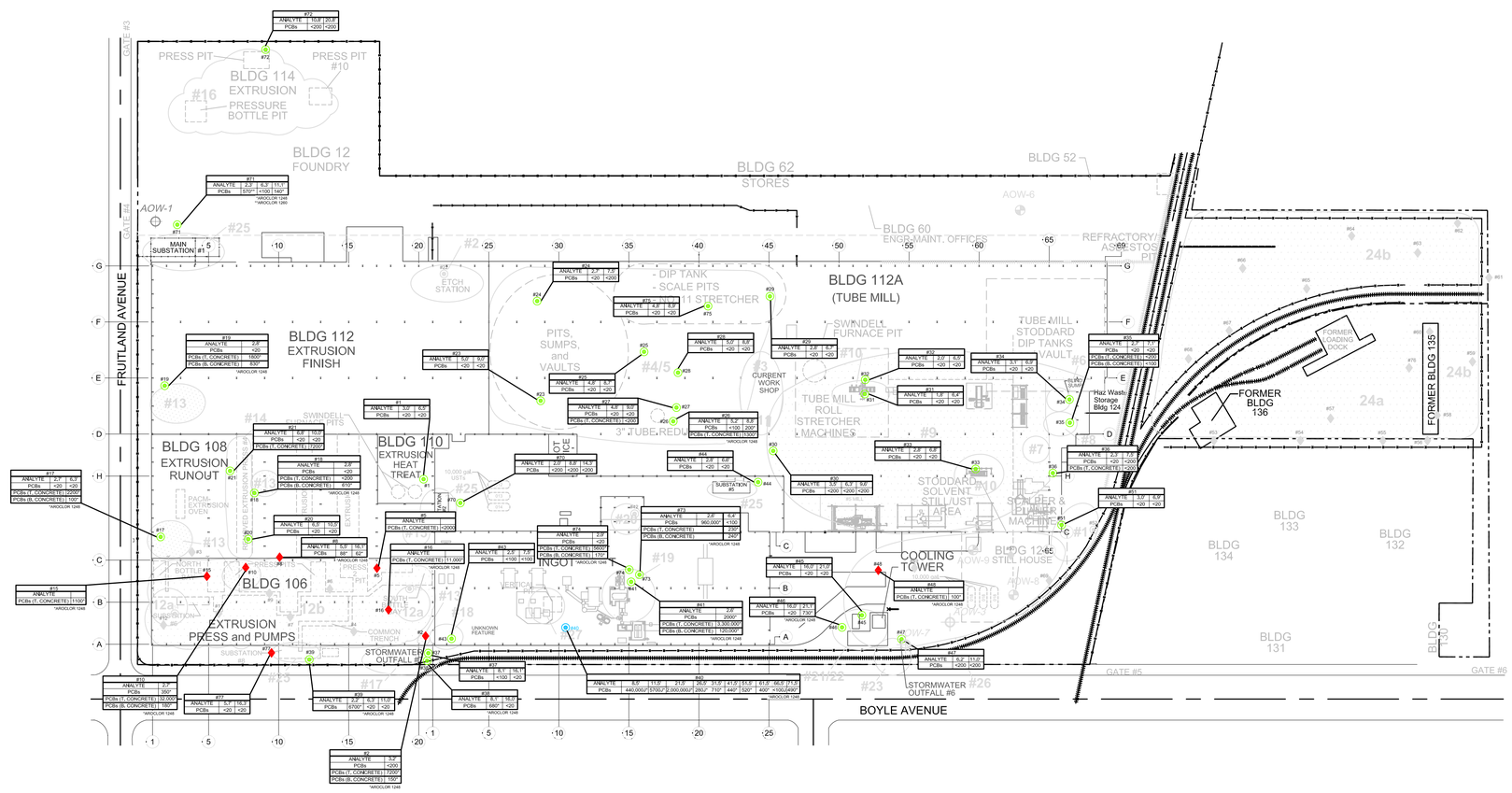
Approximate Scale In Feet
0 50 100
0 15 30
Approximate Scale in Meters

BASEMAP MODIFIED FROM PECHINEY CAST PLAGE, INC. SITE PLAN DATED JANUARY 8, 2002; GERAGHTY & MILLER, INC. "GROUNDWATER ELEVATION AND VOLATILE ORGANIC COMPOUND CONCENTRATIONS DECEMBER 8, 1994" FIGURE DATED FEBRUARY 2, 1995, ALUMINUM COMPANY OF AMERICA "WORKS GENERAL-ARPA" FIGURE DATED OCTOBER 10, 1984, AND LOS ANGELES COUNTY ASSESSOR'S OFFICE PARCEL MAP 6310 / SHEET 8 DATED NOVEMBER 5, 1956.

SELECTED VOLATILE ORGANIC COMPOUNDS AND TOTAL PETROLEUM HYDROCARBONS IN SOIL
NOVEMBER - DECEMBER 2005
PECHINEY CAST PLATE FACILITY
3200 Fruitland Avenue
Vernon, California

By: SBN	Date: 3/9/06	Project No.10627
Geomatrix		Figure 5

Plot Date: 06/11/06 - 5:32pm, Plotted by: pherring
Drawing Path: V:\10627.000\Dwg\5_Drawing Name: VOLATILE_COMPOUNDS_CONCENTRATIONS.dwg



EXPLANATION

AOW-9	GROUNDWATER MONITORING WELL
AOW-3	GROUNDWATER MONITORING WELL DESTROYED
#10	SOIL VAPOR SAMPLING POINT
#40	DEEPER SOIL BORING
#1	SHALLOW SOIL BORING
	SITE BOUNDARY
	RAILROAD TRACK
	CHAIN LINK FENCE
	BURIED RAIL LINE
	APPROXIMATE LOCATION OF WATER AND FIRE MAINS
	OBSERVATION AREA
PCBs	TOTAL POLYCHLORINATED BIPHENYLS
<2.0	SAMPLE RESULT IS LESS THAN THE REPORTING LIMIT SHOWN
2.7'	SAMPLE DEPTH AT FEET BELOW GROUND SURFACE
--	NOT ANALYZED
T. CONCRETE	TOP OF CONCRETE SAMPLE
B. CONCRETE	BOTTOM OF CONCRETE SAMPLE
J	ESTIMATED CONCENTRATIONS
	AREA OF PHASE II SAMPLE LOCATIONS
#25	SUBSTATIONS
#9	CURRENT TRENCHES AND PIT IN BUILDINGS 104 AND 112A
#13	POLYCHOLORINATED BIPHENYLS RELATED TESTING (EITHER SOIL AND/OR CONCRETE)
24b	SOIL VAPOR SURVEYS
12b	
12a	DEEP BORINGS TO GROUNDWATER

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. SAMPLES ANALYZED USING EPA METHOD 8082.
3. SAMPLE RESULTS REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg).

Approximate Scale in Feet
0 50 100
0 15 30
Approximate Scale in Meters

BASEMAP MODIFIED FROM PECHINEY CAST PLAGE, INC. SITE PLAN DATED JANUARY 8, 2002; GERAGHTY & MILLER, INC. "GROUNDWATER ELEVATION AND VOLATILE ORGANIC COMPOUND CONCENTRATIONS DECEMBER 8, 1994" FIGURE DATED FEBRUARY 2, 1995; ALUMINUM COMPANY OF AMERICA "WORKS GENERAL/ARPX" FIGURE DATED OCTOBER 10, 1994; AND LOS ANGELES COUNTY ASSESSOR'S OFFICE PARCEL MAP 6310 / SHEET 8 DATED NOVEMBER 5, 1958.

TOTAL POLYCHLORINATED BIPHENYLS
IN SOIL AND CONCRETE
NOVEMBER - DECEMBER 2005
PECHINEY CAST PLATE FACILITY
3200 Fruitland Avenue
Vernon, California

By: SBN	Date: 3/9/06	Project No. 10627
Geomatrix	Figure	6

Plot Date: 05/08/06 - 6:06pm, Plotted by: phenning
Drawing Path: Y:\10627.005\Sitemap\, Drawing Name: PCB_COMPOUNDS_CONCENTRATIONS.dwg

Memorandum

To: Bruce V. Malkenhorst Jr., Acting City Clerk

Cc: Lewis J. Pozzebon, Director/Health Officer

Jeff Harrison

From: Leonard Grossberg, Senior Environmental Health Specialist

Date: September 26, 2005

Subject: *(Preliminary Draft) Phase I Environmental Site Assessment & Phase II Environmental Site Assessment Work Plan for Pechiney Cast Plate Facility at 3200 Fruitland Ave., Vernon, CA*

We received and reviewed the subject documents dated September 1 and September 2, 2005 respectively. We consider the Phase I investigation appropriate to identify recognized environmental conditions at the site. The Phase II work plan appears comprehensive enough to address the investigation the potential concerns addressed in the Phase I investigation. Therefore, we approve the Phase II work plan with the following conditions:

1. Prior to commencement of any scheduled work, a 72-hour notice must be made to our department.
2. All investigative samples shall be analyzed in a State of California Certified Laboratory.
3. The backfilling of all soil samples/wells/boreholes need to be completed with a cementaceous grout (tremy-filled) to within 10 feet of surface.

As in previous remediation activities and closures, we reserve the right to address any concerns as they present themselves.

If you have any questions, please feel free to contact me.

Thank you

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 1**
BORING LOCATION: Building 110	ELEVATION AND DATUM: 187.05' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/16/05 / DATE FINISHED: 11/16/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 7.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.05' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				POORLY GRADED SAND (SP): light yellowish brown (2.5Y 6/4), moist, ~95% fine sand, ~5% fines	0.7	
2	SS-3.0					PID readings are headspace in plastic bags
						Hand augered to 5 ft bgs
3					1.1	Sample SS-3.0 was collected using slide hammer
4						
5					1.1	
6	SS-6.5				1.1	
7						
				Bottom of boring at 7.5 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 2a**
BORING LOCATION: Building 106	ELEVATION AND DATUM: 187.39' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/15/05 / DATE FINISHED: 11/15/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Hand auger	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				Surface Elevation: 187.39' MSL		
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines	1.0	PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Concrete samples 02-CS-0.3 and 02-CS-0.3B collected from top 3" and bottom 3" of concrete slab, respectively
4						
5				Boring not logged below 5 ft bgs	1.1	Soil vapor samples 02-SV-5.0a and 02-SV-15.0a collected at 5 and 15 ft bgs, respectively
6						
7						
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12						
13						
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 2a (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 2b**
BORING LOCATION: Building 106	ELEVATION AND DATUM: 187.40' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/30/05 / DATE FINISHED: 11/30/05
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 3.2 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.40' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines	0.4	PID readings are headspace in plastic bags
2						Hand augered to 2 ft bgs
3	SS-3.2				1.2	Sample was collected using slide hammer
				Bottom of boring at 3.2 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
4						
5						
6						
7						
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12						
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 3**
BORING LOCATION: Building 106	ELEVATION AND DATUM: 187.15' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/14/05 / DATE FINISHED: 11/14/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				Surface Elevation: 187.15' MSL		
				concrete	3.1	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~70% fine sand, ~30% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Soil vapor samples 03-SV-5.0 and 03-SV-15.0 collected at 5 and 15 ft bgs, respectively
4						
5					1.6	
				Boring not logged below 5 ft bgs		
6						
7						
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9						
10						
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12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 3 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY					Log of Boring No. 4	
BORING LOCATION: Building 106					ELEVATION AND DATUM: 186.98' MSL	
DRILLING CONTRACTOR: American Analytics					DATE STARTED: 11/15/05	DATE FINISHED: 11/15/05
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD					DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA					LOGGED BY: T. Naing	
HAMMER WEIGHT: NA		DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.98' MSL	PID READING (ppm)	REMARKS
				concrete	1.6	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard PID readings are headspace in plastic bags Hand augered to 5 ft bgs Soil vapor samples 04-SV-5.0a and 04-SV-15.0 collected at 5 and 15 ft bgs, respectively
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		
2						
3						
4						
5				Boring not logged below 5 ft bgs	3.5	
6						
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12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 4 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
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22							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 5**
BORING LOCATION: Building 106	ELEVATION AND DATUM: 187.28' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/15/05 / DATE FINISHED: 11/15/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				Surface Elevation: 187.28' MSL		
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~70% fine sand, ~30% low plasticity fines	0.9	PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Concrete sample 05-CS-0.3 collected from top 3" of concrete slab
4						Soil vapor samples 05-SV-5.0a and 05-SV-15.0 collected at 5 and 15 ft bgs, respectively
5				Boring not logged below 5 ft bgs	1.6	
6						
7						
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9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 5 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 6a	
BORING LOCATION: Building 106				ELEVATION AND DATUM: 187.15' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 12/1/05	DATE FINISHED: 12/1/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 6.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.15' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				POORLY GRADED SAND with GRAVEL (SP): olive gray (5Y 5/2), moist, ~55% fine to coarse subangular to subrounded sand, ~40% fine subangular gravel, ~5% fines	1.2	PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						
4						
5					3.5	
6				wet Bottom of boring at 6 ft bgs due to refusal		Boring destroyed by backfilling with hydrated granular bentonite chips
7						Unable to collect soil gas sample due to refusal
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 6b**
BORING LOCATION: Building 106	ELEVATION AND DATUM: 187.02' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 12/2/05 / DATE FINISHED: 12/2/05
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 2.2 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				Surface Elevation: 187.02' MSL		
				concrete		Hand augered to 2.2 ft bgs
1				POORLY GRADED SAND (SP): light yellowish brown (10YR 6/4), moist, ~95% fine sand, ~5% fines		
2						
				Bottom of boring at 2.2 ft bgs due to refusal		Boring destroyed by backfilling with hydrated granular bentonite chips Unable to collect soil gas sample due to refusal
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 7**
BORING LOCATION: Building 106	ELEVATION AND DATUM: 186.95' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/15/05 / DATE FINISHED: 11/15/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.95' MSL	PID READING (ppm)	REMARKS
				concrete	0.5	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard PID readings are headspace in plastic bags Hand augered to 5 ft bgs Soil vapor samples 07-SV-5.0a and 07-SV-15.0a collected at 5 and 15 ft bgs, respectively
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~65% fine sand, ~35% low plasticity fines		
2						
3						
4						
5				Boring not logged below 5 ft bgs	0.9	
6						
7						
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9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 7 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 8	
BORING LOCATION: Building 106				ELEVATION AND DATUM: 187.18' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 12/1/05	DATE FINISHED: 12/1/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 16.1	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.18' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND with GRAVEL (SM): dark grayish brown (2.5Y 4/2), moist, ~50% fine to medium sand, ~30% low plasticity fines, ~20% fine subrounded gravel	1.7	PID readings are headspace in plastic bags
2						Hand augered to 1.8 ft bgs
3						Soil vapor samples 08-SV-5.0a and 08-SV-15.0a collected at 5 and 15 ft bgs, respectively
4						
5	SS-5.5			~70% fine to medium sand, ~15% fine gravel, ~15% fines	1.2	
6						
7						
8						
9						
10						
11				POORLY GRADED SAND (SP): light yellowish brown (10YR 6/4), moist, ~95% fine sand, ~5% fines		
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 8 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				POORLY GRADED SAND (SP): continued		
15	SS-16				1.4	
16				Bottom of boring at 16.1 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
17						
18						
19						
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 9**
BORING LOCATION: Building 106	ELEVATION AND DATUM: 187.13' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/14/05 / DATE FINISHED: 11/14/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.13' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark brown (10YR 3/3), moist, ~60% fine sand, ~40% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3					0.5	Soil vapor samples 09-SV-5.0 and 09-SV-15.0 collected at 5 and 15 ft bgs, respectively
4						
5				Boring not logged below 5 ft bgs		
6						
7						
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12						
13						
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 9 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY		**Log of Boring No. 10a**	
BORING LOCATION: Building 106		ELEVATION AND DATUM: 187.13' MSL	
DRILLING CONTRACTOR: American Analytics		DATE STARTED: 11/15/05	DATE FINISHED: 11/15/05
DRILLING METHOD: Direct push		TOTAL DEPTH (ft.): 15.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD		DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")		LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.13' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard PID readings are headspace in plastic bags Hand augered to 5 ft bgs Concrete samples 10-CS-0.3 and 10-CS-0.3B collected from top 3" and bottom 3" of concrete slab, respectively Soil vapor samples 10-SV-5.0a and 10-SV-15.0 collected at 5 and 15 ft bgs, respectively
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines	0.7	
2						
3						
4						
5					0.9	
6				SANDY SILT (ML): dark grayish brown (2.5Y 4/2), moist, ~70% fines, ~30% fine sand, low plasticity, rapid dilatancy, low toughness		
7						
8						
9				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~70% fine sand, ~30% low plasticity fines		
10				POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~95% fine sand, ~5% fines	0.5	
11				SILT with SAND (ML): dark grayish brown (2.5Y 4/2), moist, ~80% fines, ~20% fine sand, low plasticity, rapid dilatancy, low toughness		
12				POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~95% fine sand, ~5% fines		
13				SILT with SAND (ML): dark grayish brown (2.5Y 4/2), moist, ~80% fines, ~20% fine sand, low plasticity, rapid dilatancy, low toughness	0.5	
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 10a (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
				POORLY GRADED SAND (SP): continued			
15				Bottom of boring at 15 ft bgs		0.5	Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 10b**
BORING LOCATION: Building 106	ELEVATION AND DATUM: 187.13' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/30/05 / DATE FINISHED: 11/30/05
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 2.7 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.13' MSL	PID READING (ppm)	REMARKS
				concrete	2.5	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~70% fine sand, ~30% low plasticity fines		PID readings are headspace in plastic bags
2	SS-2.7				1.7	Hand augered to 5 ft bgs
3				Bottom of boring at 2.7 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 11**
BORING LOCATION: Building 106	ELEVATION AND DATUM: 186.93' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/14/05 / DATE FINISHED: 11/14/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.93' MSL	PID READING (ppm)	REMARKS
				concrete	0.7	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~70% fine sand, ~30% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Soil vapor samples 11-SV-5.0 and 11-SV-15.0 collected at 5 and 15 ft bgs, respectively
4						
5				Boring not logged below 5 ft bgs	0.6	
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 11 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 12**
BORING LOCATION: Building 106	ELEVATION AND DATUM: 186.98' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/14/05 / DATE FINISHED: 11/14/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.98' MSL	PID READING (ppm)	REMARKS
				concrete	0.9	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard PID readings are headspace in plastic bags Hand augered to 5 ft bgs Soil vapor samples 12-SV-5.0 and 12-SV-15.0 collected at 5 and 15 ft bgs, respectively
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		
2						
3						
4						
5				Boring not logged below 5 ft bgs	1.2	
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 12 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 13	
BORING LOCATION: Building 106				ELEVATION AND DATUM: 187.34' MSL	
DRILLING CONTRACTOR: Layne Christensen Company				DATE STARTED: 12/12/05	DATE FINISHED: 12/13/05
DRILLING METHOD: Hollow-stem auger				TOTAL DEPTH (ft.): 48.5	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: CME75				DEPTH TO WATER	FIRST: NA / COMPL.: NA / 24 HRS.: NA
SAMPLING METHOD: CA Modified split spoon sampler (18" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: 140 lbs	DROP: 30 in.			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.34' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard PID readings are headspace in plastic bags Hand augered to 5 ft bgs
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines	1.5	
2						
3						
4						
5			1		1.8	
			1			
6	SS-6.5		2			
7						
8						
9						
10			2			
			4			
11	SS-11.5		4	SILT (ML): olive gray (5Y 4/2), moist, ~90% fines, ~10% fine sand, low plasticity, rapid dilatancy, low toughness	0.9	
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 13 (cont'd)

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				SILT (ML): continued		
15			4	POORLY GRADED SAND (SP): olive (5Y 5/3), moist, ~95% fine sand, ~5% fines		
			4			
16	SS-16.5		7		1.2	
17						
18				SILTY SAND (SM): olive gray (5Y 4/2), ~70% fine sand, ~30% low plasticity fines		
19						
20			6			
			7			
21	SS-21.5		9		1.4	
22						
23				POORLY GRADED SAND (SP): olive (5Y 5/3), moist, ~95% fine to medium sand, ~5% fines		
24						
25			7			
			12			
26	SS-26.5		12		3.2	
27						
28						
29						
30			7			
31			14		4.7	

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 13 (cont'd)

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
	SS-31.5	■	16	POORLY GRADED SAND (SP): continued		
32						
33						
34						
35			16	trace coarse sand and fine gravel		
			53		5.3	
36	SS-36.5	■	36			
37						
38						
39						
40			21	fine to coarse sand		
			29		3.4	
41	SS-41.5	■	34			
42			21	dry		
			32		2.7	
43	SS-43.5	■	52			
44						
45			28	fine to coarse sand, trace fine gravel		
			22		24	
46	SS-46.5	■	49	SILT (ML): dark grayish brown (10YR 4/2), moist, ~90% fines, ~10% fine sand, low to medium plasticity, rapid dilatancy, low to medium toughness		
47			7	SILT (ML): see next page	69	
48			7			

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 13 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
	SS-48.5		10	SILT (ML): olive brown (2.5Y 4/4), moist, ~90% fines, ~10% fine sand, low to medium plasticity, rapid dilatancy, low to medium toughness, strong odor	1840	
49				Bottom of boring at 48.5 ft bgs		Boring destroyed by backfilling with cement/bentonite grout from total depth to 2 ft bgs, native soil from 12 to 1 ft bgs, and capped with concrete
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY					Log of Boring No. 14
BORING LOCATION: Building 106					ELEVATION AND DATUM: 187.04' MSL
DRILLING CONTRACTOR: Layne Christensen Company					DATE STARTED: 12/13/05 / DATE FINISHED: 12/13/05
DRILLING METHOD: Hollow-stem auger					TOTAL DEPTH (ft.): 48.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: CME75					DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: CA Modified split spoon sampler (18" x 2")					LOGGED BY: T. Naing
HAMMER WEIGHT: 140 lbs	DROP: 30 in.				RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.04' MSL	PID READING (ppm)	REMARKS
				concrete	0.4	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						
4						
5			1		0.3	
			1			
6	SS-6.5		2		0.9	
7						
8				POORLY GRADED SAND (SP): olive gray (5Y 5/2), moist, ~95% fine sand, ~5% fines		
9						
10			4			
			7			
11	SS-11.5		7		0.8	
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 14 (cont'd)

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				POORLY GRADED SAND (SP): continued		
15			5			
			13	~95% fine to medium sand, ~5% fines		
16	SS-16.5		12		0.8	
17						
18				SILTY SAND (SM): olive gray (5Y 5/2), moist, ~60% fine sand, ~40% low plasticity fines		
19						
20			7			
21	SS-21.5		10			
			9		4.0	
22						
23				POORLY GRADED SAND (SP): olive gray (5Y 5/2), moist, ~95% fine to medium sand, ~5% fines		
24						
25			6			
			14			
26	SS-26.5		15		1.2	
27						
28						
29						
30			10			
			19			
31						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 14 (cont'd)

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
	SS-31.5		26	POORLY GRADED SAND (SP): continued	1.2	
32						
33						
34						
35			13	~95% fine to coarse subangular to subrounded sand, ~5% fines		
			23			
36	SS-36.5		32		1.5	
37						
38						
39						
40			11	~95% fine to medium sand, ~5% fines		
			34			
41	SS-41.5		48		1.6	
42			9			
			24			
43	SS-43.5		27		1.0	
44				SILTY SAND (SM): olive (5Y 5/4), dry, ~70% fine to medium sand, ~30% low plasticity fines		
45			10			
			33			
46	SS-46.5		14	SILT (ML): olive gray (5Y 4/2), moist, ~90% fines, ~10% fine sand, low plasticity, rapid dilatancy, low toughness	18	
47			7	SILTY SAND (SM): olive (5Y 5/3), moist, ~55% fine sand, ~45% low plasticity fines		
48			13			

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 14 (cont'd)

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
	SS-48.5	■	14	SILT (ML): continued		15	
				Bottom of boring at 48.5 ft bgs			Boring destroyed by backfilling with cement/bentonite grout from total depth to 10.75 ft bgs, native soil from 10.75 to 1 ft bgs, and capped with concrete
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							
65							

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 15	
BORING LOCATION: Building 106				ELEVATION AND DATUM: 186.88' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 12/2/05	DATE FINISHED: 12/2/05
DRILLING METHOD: Hand auger				TOTAL DEPTH (ft.): 1.8	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.88' MSL	PID READING (ppm)	REMARKS
				concrete		Hand augered to 1.8 ft bgs
1				pea gravel		Concrete sample 15A-CS-0.3 collected from top 3" of concrete slab
2				Bottom of boring at 1.8 ft bgs		
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 16a**
BORING LOCATION: Building 106	ELEVATION AND DATUM: 187.39' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/14/05 / DATE FINISHED: 11/14/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.39' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard PID readings are headspace in plastic bags Hand augered to 5 ft bgs Concrete sample 16-CS-0.3 collected from top 3" of concrete slab Soil vapor sample 16-SV-15.0 collected at 15 ft bgs
1				SILTY SAND (SM): dark brown (10YR 3/3), moist, ~70% fine sand, ~30% low plasticity fines		
2						
3					0.7	
4						
5				Boring not logged below 5 ft bgs		
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 16a (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 16b**
BORING LOCATION: Building 106	ELEVATION AND DATUM: 187.42' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 12/1/05 / DATE FINISHED: 12/1/05
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 5.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.42' MSL	PID READING (ppm)	REMARKS
				concrete	1.4	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~65% fine sand, ~35% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Soil vapor sample 16-SV-5.0 collected at 5 ft bgs
4						
5				Bottom of boring at 5 ft bgs	1.5	
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 17**
BORING LOCATION: Building 108	ELEVATION AND DATUM: 187.20' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/21/05 / DATE FINISHED: 11/21/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 6.3 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.20' MSL	PID READING (ppm)	REMARKS
				concrete	1.8	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		
				light olive brown (2.5Y 5/3)		
2	SS-2.7			dark grayish brown (2.5Y 4/2)		PID readings are headspace in plastic bags
3						Concrete samples 17-CS-0.3 and 17-CS-0.3B collected from top 3" and bottom 3" of concrete slab, respectively
4						
5						Sample SS-2.7 was collected using slide hammer and microcore sampler
6	SS-6.3				2.3	
				Bottom of boring at 6.3 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 18**
BORING LOCATION: Building 108	ELEVATION AND DATUM: 187.16' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/16/05 / DATE FINISHED: 11/16/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 3.3 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.16' MSL	PID READING (ppm)	REMARKS
				concrete	0.7	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines	0.8	PID readings are headspace in plastic bags
2	SS-2.8				0.8	Hand augered to 1.5 ft bgs
3				Bottom of boring at 3.3 ft bgs due to refusal		Concrete samples 18-CS-0.3 and 18-CS-0.3B collected from top 3" and bottom 3" of concrete slab, respectively
4						Boring destroyed by backfilling with hydrated granular bentonite chips
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 19	
BORING LOCATION: Building 112				ELEVATION AND DATUM: 186.92' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/16/05	DATE FINISHED: 11/16/05
DRILLING METHOD: Hand auger				TOTAL DEPTH (ft.): 2.8	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.92' MSL	PID READING (ppm)	REMARKS
				concrete	0.5	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		PID readings are headspace in plastic bags
2	SS-2.8				0.6	Hand augered to 1.6 ft bgs
3				Bottom of boring at 2.8 ft bgs		Concrete samples 19-CS-0.3 and 19-CS-0.3B collected from top 3" and bottom 3" of concrete slab, respectively
4						
5						Sample SS-2.8 was collected using slide hammer
6						Boring destroyed by backfilling with hydrated granular bentonite chips
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 20**
BORING LOCATION: Building 108	ELEVATION AND DATUM: 187.48' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/16/05 / DATE FINISHED: 11/16/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 11.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.48' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~55% fine sand, ~45% low plasticity fines	0.5	PID readings are headspace in plastic bags Hand augered to 5 ft bgs
2						
3				~60% fine sand, ~40% fines		
4						
5					0.6	
6	SS-6.5				0.6	
7						
8						
9						
10	SS-10.5				0.8	
11				Bottom of boring at 11 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
12						
13						
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 21**
BORING LOCATION: Building 108	ELEVATION AND DATUM: 187.24' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/16/05 / DATE FINISHED: 11/16/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 11.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.24' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~55% fine sand, ~45% low plasticity fines	0.9	PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Concrete sample 21-CS-0.3 collected from top 3" of concrete slab
4						
5					1.0	
6	SS-6.8					
7					0.8	
8						
9					0.9	
10	SS-10.0			POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), dry, ~95% fine sand, ~5% fines		
11				Bottom of boring at 11 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 22	
BORING LOCATION: Building 112				ELEVATION AND DATUM: 187.23' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/21/05	DATE FINISHED: 11/21/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 6.5	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.23' MSL	PID READING (ppm)	REMARKS
				concrete	0.8	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark olive gray (5Y 3/2), moist, ~55% fine sand, ~45% low plasticity fines		PID readings are headspace in plastic bags
2	SS-2.6					Sample SS-2.6 was collected using slide hammer and microcore sampler
3						
4						
5					0.8	
6	SS-6.5					
7				Bottom of boring at 6.5 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
8						
9						
10						
11						
12						
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 23**
BORING LOCATION: Building 112A	ELEVATION AND DATUM: 187.12' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/17/05 / DATE FINISHED: 11/17/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 9.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.12' MSL	PID READING (ppm)	REMARKS
				concrete	0.3	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): olive brown (2.5Y 4/3), moist, ~60% fine sand, ~40% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 4 ft bgs
3						Sample SS-5.0 was collected using slide hammer
4						
	SS-5.0				0.2	
5						
6						
7						
8						
	SS-9.0				0.4	
9				Bottom of boring at 9 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 24a**
BORING LOCATION: Building 112A	ELEVATION AND DATUM: 187.17' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/17/05 / DATE FINISHED: 11/17/05
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 3.9 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.17' MSL	PID READING (ppm)	REMARKS
				concrete	0.1	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		PID readings are headspace in plastic bags
2	SS-2.7				0.1	Hand augered to 3.9 ft bgs
3						Sample was collected using slide hammer
4				Bottom of boring at 3.9 ft bgs due to refusal		Boring destroyed by backfilling with hydrated granular bentonite chips
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6						
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 24b	
BORING LOCATION: Building 112A				ELEVATION AND DATUM: 187.13' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/30/05	DATE FINISHED: 11/30/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 7.5	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.13' MSL	PID READING (ppm)	REMARKS
				concrete	1.6	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						
4						
5					1.4	
6						
7	SS-7.5				1.0	
				Bottom of boring at 7.5 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
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9						
10						
11						
12						
13						
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 25**
BORING LOCATION: Building 112A	ELEVATION AND DATUM: 186.83' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/17/05 / DATE FINISHED: 11/17/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 9.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.83' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark gray (2.5Y 4/1), moist, ~60% fine sand, ~40% low plasticity fines	1.3	PID readings are headspace in plastic bags
2						Hand augered to 4 ft bgs
3						Sample SS-4.8 was collected using slide hammer
4	SS-4.8				1.1	
5					1.1	
6						
7				SILT (ML): dark gray (2.5Y 4/1), moist, ~95% fines, ~5% fine sand, low to medium plasticity, rapid dilatancy, low to medium toughness		
8	SS-8.7				1.3	
9				Bottom of boring at 9 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 26	
BORING LOCATION: Building 112A				ELEVATION AND DATUM: 187.09' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/28/05	DATE FINISHED: 11/28/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 8.8	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER	FIRST: NA / COMPL.: NA / 24 HRS.: NA
SAMPLING METHOD: Macrocore sampler (48" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.09' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~70% fine sand, ~30% low plasticity fines	1.1	PID readings are headspace in plastic bags
2						Hand augered to 4 ft bgs
3						Concrete sample 26-CS-0.3 collected from top 3" of concrete slab
4						Sample SS-5.2 was collected using slide hammer and microcore sampler
5	SS-5.2				1.1	
6						
7						
8	SS-8.8				1.4	
9				Bottom of boring at 8.8 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 27**
BORING LOCATION: Building 112A	ELEVATION AND DATUM: 187.05' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/17/05 / DATE FINISHED: 11/17/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 9.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.05' MSL	PID READING (ppm)	REMARKS
				concrete	1.0	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SANDY LEAN CLAY (CL): black (5Y 2.5/1), moist, ~70% fines, ~30% fine sand, low to medium plasticity, slow dilatancy, low to medium toughness		PID readings are headspace in plastic bags
2				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		Hand augered to 4 ft bgs
3						Concrete sample 27-CS-0.3 collected from top 3" of concrete slab
4	SS-4.8				1.1	Sample SS-4.8 was collected using slide hammer
5					0.9	
6						
7						
8	SS-9.0					
9				Bottom of boring at 9 ft bgs	0.9	Boring destroyed by backfilling with hydrated granular bentonite chips
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 28**
BORING LOCATION: Building 112A	ELEVATION AND DATUM: 186.92' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/17/05 / DATE FINISHED: 11/17/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 9.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.92' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~75% fine sand, ~25% low plasticity fines	1.3	PID readings are headspace in plastic bags
2						Hand augered to 4 ft bgs
3						Sample SS-5.0 was collected using slide hammer and microcore sampler
4	SS-5.0					
5					0.6	
6						
7						
8	SS-8.8					
9					1.1	
				Bottom of boring at 9 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 29**
BORING LOCATION: Building 112A	ELEVATION AND DATUM: 187.11' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/21/05 / DATE FINISHED: 11/21/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 6.7 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.11' MSL	PID READING (ppm)	REMARKS
				concrete	0.4	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		PID readings are headspace in plastic bags
2	SS-2.8					Hand augered to 5 ft bgs
3						Sample SS-2.8 was collected using slide hammer and microcore sampler
4						
5						
6	SS-6.7				0.9	
7				Bottom of boring at 6.7 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 30**
BORING LOCATION: Building 112A (adjacent to vault)	ELEVATION AND DATUM: 187.22' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/30/05 / DATE FINISHED: 11/30/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 9.6 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.22' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines	1.4	PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						
4						
5					1.1	
6	SS-6.3				1.2	
7						
8						
9	SS-9.6				0.7	
10				Bottom of boring at 9.6 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 31	
BORING LOCATION: Building 112A				ELEVATION AND DATUM: 187.07' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/18/05	DATE FINISHED: 11/18/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 6.5	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.07' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~80% fine sand, ~20% fines	1.0	
2	SS-1.8				1.2	PID readings are headspace in plastic bags Hand augered to 5 ft bgs
3				LEAN CLAY (CL): reddish brown (5Y 4/3), moist, ~90% fines, ~10% fine sand, low to medium plasticity, slow dilatancy, medium toughness		Sample SS-1.8 was collected using slide hammer
4						
5					1.0	
				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		
6	SS-6.4				1.3	
7				Bottom of boring at 6.5 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
8						
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12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 32	
BORING LOCATION: Building 112A				ELEVATION AND DATUM: 187.01' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/18/05	DATE FINISHED: 11/18/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 6.5	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.01' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines	1.1	
2	SS-2.0				1.2	PID readings are headspace in plastic bags Hand augered to 5 ft bgs
3				SANDY LEAN CLAY (CL): reddish brown (5Y 4/3), moist, ~70% fines, ~30% fine sand, medium plasticity, slow dilatancy, medium toughness		Sample SS-2.0 was collected using slide hammer
4						
5						
6	SS-6.5				1.3	
7				Bottom of boring at 6.5 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 33**
BORING LOCATION: Building 112A	ELEVATION AND DATUM: 187.07' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/18/05 / DATE FINISHED: 11/18/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 6.8 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.07' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~70% fine sand, ~30% low plasticity fines	1.3	
2	SS-2.5				1.0	PID readings are headspace in plastic bags Hand augered to 5 ft bgs
3				SANDY LEAN CLAY (CL): reddish brown (5YR 4/3), moist, ~70% fines, ~30% fine sand, low to medium plasticity, slow dilatancy, medium toughness		Sample SS-2.5 was collected using slide hammer
4						
5					1.1	
6	SS-6.8			SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~80% fine sand, ~20% low plasticity fines	1.4	
7				Bottom of boring at 6.8 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 34**
BORING LOCATION: Building 112A	ELEVATION AND DATUM: 187.31' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/18/05 / DATE FINISHED: 11/18/05
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 11.1 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.31' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~70% fine sand, ~30% low plasticity fines	4.9	PID readings are headspace in plastic bags
2						
3	SS-3.1				31	Samples were collected using slide hammer
4				dark olive gray (5Y 3/2), strong odor		
5				SANDY LEAN CLAY (CL): dark olive gray (5Y 3/2), moist, ~70% fines, ~30% fine sand, low to medium plasticity, slow dilatancy, low to medium toughness, strong odor	440	
6	SS-6.9				68	
7				SILTY SAND (SM): dark olive gray (5Y 3/2), moist, ~60% fine sand, ~40% low plasticity fines, strong odor	956	
8						
9						
10	SS-11.1				746	
11				Bottom of boring at 11.1 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 35**
BORING LOCATION: Building 112A	ELEVATION AND DATUM: 187.21' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/18/05 / DATE FINISHED: 11/18/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 7.1 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.21' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark olive gray (5Y 3/2), moist, ~60% fine sand, ~40% low plasticity fines	1.2	PID readings are headspace in plastic bags
2	SS-2.7					Hand augered to 5 ft bgs
3						Concrete samples 35-CS-0.3 and 35-CS-0.3B collected from top 3" and bottom 3" of concrete slab, respectively
4						
5						Sample SS-2.7 was collected using slide hammer
6	SS-7.1					
7					1.1	
				Bottom of boring at 7.1 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 36a**
BORING LOCATION: Building 112A	ELEVATION AND DATUM: 187.01' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/18/05 / DATE FINISHED: 11/18/05
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 4.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.01' MSL	PID READING (ppm)	REMARKS
				concrete	1.1	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark gray (5Y 4/1), moist, ~60% fine sand, ~40% low plasticity fines		PID readings are headspace in plastic bags
2	SS-2.3				1.3	Hand augered to 5 ft bgs
3						Concrete sample 36-CS-0.3 collected from top 3" of concrete slab
4				trace fine gravel		Sample SS-2.3 was collected using slide hammer
5				Bottom of boring at 4.5 ft bgs due to refusal		Boring destroyed by backfilling with hydrated granular bentonite chips
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	Log of Boring No. 36b			
BORING LOCATION: Building 112A	ELEVATION AND DATUM: 187.02' MSL			
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 12/2/05	DATE FINISHED: 12/2/05		
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 7.5	MEASURING POINT: Ground surface		
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER	FIRST NA	COMPL. NA	24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")	LOGGED BY: T. Naing			
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943		

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.02' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~65% fine sand, ~35% low plasticity fines	2.4	PID readings are headspace in plastic bags
2						Hand augered to 6 ft bgs
3						Sample was collected using slide hammer
4						
5						
6					2.3	
7	SS-7.5				1.7	
8				Bottom of boring at 7.5 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 37	
BORING LOCATION: Stormwater Outfall #7				ELEVATION AND DATUM: 186.31' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/28/05	DATE FINISHED: 11/28/05
DRILLING METHOD: Hand auger				TOTAL DEPTH (ft.): 16.1	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger and slide hammer				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.31' MSL	PID READING (ppm)	REMARKS
				asphalt	1.8	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard PID readings are headspace in plastic bags Hand augered to 7 ft bgs Samples were collected using slide hammer
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		
2						
3						
4						
5						
6						
7	SS-8.1					
8					2.4	
9						
10						
11						
12				POORLY GRADED SAND (SP): brown (10YR 4/3), moist, ~95% fine sand, ~5% fines		
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 37 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				POORLY GRADED SAND (SP): continued		
15						
	SS-16.1				1.4	
16				Bottom of boring at 16.1 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 38	
BORING LOCATION: Stormwater Outfall #7				ELEVATION AND DATUM: 186.20' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/28/05	DATE FINISHED: 11/28/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 16.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.20' MSL	PID READING (ppm)	REMARKS
				SILTY SAND (SM): very dark grayish brown (2.5Y 3/2), moist, ~60% fine to medium sand, ~40% low to medium plasticity fines	1.3	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard PID readings are headspace in plastic bags Hand augered to 5 ft bgs
1						
2						
3						
4						
5					1.4	
6						
7	SS-8.1					
8					1.4	
9						
10						
11						
				POORLY GRADED SAND (SP): brown (10YR 4/3), moist, ~95% fine to medium sand, ~5% fines		
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 38 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
				POORLY GRADED SAND (SP): continued			
15							
	SS-16.0						
16						1.5	
				Bottom of boring at 16 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 39**
BORING LOCATION: Former Substation #8	ELEVATION AND DATUM: 186.89' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/29/05 / DATE FINISHED: 11/29/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 11.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.89' MSL	PID READING (ppm)	REMARKS
				asphalt	1.6	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND with GRAVEL (SM): dark brown (10YR 3/3), moist, ~40% fine to medium sand, ~30% fine gravel, ~30% low plasticity fines		
2				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		PID readings are headspace in plastic bags Hand augered to 5 ft bgs
3						
4						
5						
6	SS-6.3				2.6	
7						
8						
9						
10					2.0	
11	SS-11.0			Bottom of boring at 11 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 40	
BORING LOCATION: Building 104				ELEVATION AND DATUM: 187.04' MSL	
DRILLING CONTRACTOR: Layne Christensen Company				DATE STARTED: 12/9/05	DATE FINISHED: 12/9/05
DRILLING METHOD: Hollow-stem auger				TOTAL DEPTH (ft.): 71.5	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: CME75				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: CA Modified split spoon sampler (18" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: 140 lbs	DROP: 30 in.			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.04' MSL	PID READING (ppm)	REMARKS
				concrete	0.8	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SANDY SILT (ML): olive (5Y 4/3), dry, ~70% fines, ~30% fine sand, low to medium plasticity, rapid dilatancy, low toughness		PID readings are headspace in plastic bags
2						Hand augered to 8.8 ft bgs
3						
4				trace fine gravel		
5					3.8	
6						
				~60% fines, ~40% fine sand, trace coarse sand		
7			3			
8	SS-8.5		4 5		0.8	
9						
10			9			
11	SS-11.5		11 11		0.7	
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 40 (cont'd)

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				SANDY SILT (ML): continued		
15			7	POORLY GRADED SAND (SP): olive (5Y 4/4), moist, ~95% fine sand, ~5% fines, trace fine gravel		
			12			
16	SS-16.5		11		0.8	
17						
18						
19						
20			9			
			10			
21	SS-21.5		13		1.0	
22						
23						
24						
25			8		1.1	
			14			
26	SS-26.5		17			
27						
28						
29						
30			6		0.6	
31			10			

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 40 (cont'd)

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
	SS-31.5		16	POORLY GRADED SAND (SP): continued		
32						
33						
34						
35			6		0.7	
			19	trace fine subrounded gravel		
36	SS-35.5		24			
37						
38						
				SILTY SAND (SM): olive gray (5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		
39						
40			6			
			11		0.7	
41	SS-41.5		15			
42						
43						
			5			
44			11			
	SS-45		12		0.8	
45			10			
			23	POORLY GRADED SAND (SP): olive (5Y 4/4), moist, ~95% fine to medium sand, ~5% fines, trace coarse gravel		
46	SS-46.5		25		1.1	
47			14			
48			16			

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 40 (cont'd)

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
	SS-49.0		17	SILTY SAND (SM): olive gray (5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines	1.0	
49						
50			10	POORLY GRADED SAND (SP): olive (5Y 4/4), moist, ~95% fine sand, ~5% fines	1.0	
			15			
51			15		0.7	
			5			
52			5			
	SS-53.0		7	SANDY SILT (ML): olive gray (5Y 4/2), moist, ~60% fines, ~40% fine sand, low to medium plasticity, rapid dilatancy, low to medium toughness	1.2	
53						
54				POORLY GRADED SAND (SP): olive (5Y 4/4), moist, ~95% fine to medium sand, ~5% fines		
55			9			
			24			
56	SS-56.5		22		0.9	
57						
58				SILT (ML): olive gray (5Y 4/2), moist, ~90% fines, ~10% fine sand, low plasticity, rapid dilatancy, low toughness		
59						
60			4			
			5			
61	SS-61.5		11		1.3	
62						
63				LEAN CLAY (CL): brown (2.5Y 4/3), moist, ~95% fines, ~5% fine sand, medium plasticity, slow dilatancy, medium toughness, iron oxide staining		
64						
65						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 40 (cont'd)

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
			6	LEAN CLAY (CL): continued		
66	SS-66.5		11 17		1.4	
67						
68						
				SILT (ML): olive gray (5Y 4/2), moist, ~90% fines, ~10% fine sand, low to medium plasticity, rapid dilatancy, low toughness		
69						
70			5			
				SILTY SAND (SM): brown (7.5YR 4/2), moist, ~60% fine sand, ~40% low plasticity fines		
71	SS-71.5		17 22		1.5	
				Bottom of boring at 71.5 ft bgs		Boring destroyed by backfilling with cement/bentonite grout from total depth to 14 ft bgs, native soil from 14 to 1 ft bgs, and capped with concrete
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						

PROJECT: PECHINEY CAST PLATE FACILITY					Log of Boring No. 41
BORING LOCATION: Building 104					ELEVATION AND DATUM: 187.01' MSL
DRILLING CONTRACTOR: American Analytics					DATE STARTED: 11/21/05 / DATE FINISHED: 11/21/05
DRILLING METHOD: Hand auger					TOTAL DEPTH (ft.): 4.8 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger					DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")					LOGGED BY: T. Naing
HAMMER WEIGHT: NA	DROP: NA				RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.01' MSL	PID READING (ppm)	REMARKS
				concrete	0.6	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): olive brown (2.5Y 4/3), moist, ~70% fine sand, ~30% low plasticity fines		PID readings are headspace in plastic bags
2	SS-2.6					Hand augered to 4.75 ft bgs
3						Concrete samples 41-CS-0.3 and 41-CS-0.3B collected from top 3" and bottom 3" of concrete slab, respectively
4						
5				Bottom of boring at 4.8 ft bgs due to refusal		Sample SS-2.6 was collected using slide hammer
6						Boring destroyed by backfilling with hydrated granular bentonite chips
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 42**
BORING LOCATION: Building 104	ELEVATION AND DATUM: 186.83' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/21/05 / DATE FINISHED: 11/21/05
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 3.3 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.83' MSL	PID READING (ppm)	REMARKS
				SANDY LEAN CLAY (CL): very dark grayish brown (2.5Y 3/2), moist, ~60% fines, ~40% fine sand, low to medium plasticity, slow dilatancy, low to medium toughness	0.8	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1						
	SS-2.2					PID readings are headspace in plastic bags
2					0.8	
						Hand augered to 3.3 ft bgs
3						
				Bottom of boring at 3.3 ft bgs due to refusal		Sample was collected using slide hammer
4						Boring destroyed by backfilling with hydrated granular bentonite chips
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 43**
BORING LOCATION: Building 104	ELEVATION AND DATUM: 187.14' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 12/2/05 / DATE FINISHED: 12/2/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 7.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.14' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~70% fine sand, ~30% low plasticity fines	2.4	
2	SS-2.5				2.3	PID readings are headspace in plastic bags Hand augered to 6 ft bgs Samples were collected using slide hammer
3						
4						
5						
6						
7	SS-7.5				1.6	
				Bottom of boring at 7.5 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 44a**
BORING LOCATION: Former Substation #5	ELEVATION AND DATUM: 184.75' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/29/05 / DATE FINISHED: 11/29/05
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 3.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				Surface Elevation: 184.75' MSL		
				asphalt	1.1	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~70% fine sand, ~30% low plasticity fines		PID readings are headspace in plastic bags
2	SS-2.5				1.4	Sample was collected using slide hammer
3				Bottom of boring at 3 ft bgs due to refusal		Boring destroyed by backfilling with hydrated granular bentonite chips
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 44b**
BORING LOCATION: Former Substation #5	ELEVATION AND DATUM: 184.74' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/29/05 / DATE FINISHED: 11/29/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 6.6 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 184.74' MSL	PID READING (ppm)	REMARKS
				asphalt		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 5.5 ft bgs
3				CLAYEY SAND (SC): brown (7.5YR 4/2), moist, ~70% fine to medium sand, ~30% low to medium plasticity fines		
4				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		
5					1.3	
6	SS-6.6				1.5	
7				Bottom of boring at 6.6 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 45	
BORING LOCATION: Cooling tower				ELEVATION AND DATUM: 182.24' MSL	
DRILLING CONTRACTOR: Vironex				DATE STARTED: 11/22/05	DATE FINISHED: 11/22/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 21.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 MT				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 182.24' MSL	PID READING (ppm)	REMARKS
				concrete	0.5	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard PID readings are headspace in plastic bags Hand augered to 5 ft bgs
1				SILTY SAND (SM): olive brown (2.5Y 4/3), moist, ~70% fine sand, ~30% low plasticity fines		
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 45 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				SILTY SAND (SM): continued		
15						
	SS-16.0				0.7	
16						
17						
18						
19						
20						
	SS-21.0				0.8	
21				Bottom of boring at 21 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY					Log of Boring No. 46
BORING LOCATION: Cooling tower					ELEVATION AND DATUM: 182.25' MSL
DRILLING CONTRACTOR: Vironex					DATE STARTED: 11/22/05 / DATE FINISHED: 11/22/05
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 21.1 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 MT					DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")					LOGGED BY: T. Naing
HAMMER WEIGHT: NA	DROP: NA				RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 182.25' MSL	PID READING (ppm)	REMARKS
				SILTY SAND with GRAVEL (SM): dark grayish brown (2.5Y 4/2), moist, ~45% fine to coarse sand, ~30% fine gravel, ~25% low plasticity fines	0.2	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard PID readings are headspace in plastic bags Hand augered to 5 ft bgs Sample SS-3.0 was collected using slide hammer
1						
2					0.4	
3	SS-3.0					
4						
5						
6	SS-6.5				0.3	
7						
8						
9						
10						
11						
12						
13				POORLY GRADED SAND (SP): light yellowish brown (2.5Y 6/4), moist, ~95% fine sand, ~5% fines		
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 46 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				POORLY GRADED SAND (SP): continued		
15						
	SS-16.0				0.4	
16						
17						
18				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		
19						
20						
	SS-21.1				0.7	
21				Bottom of boring at 21.1 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 47	
BORING LOCATION: Stormwater Outfall #6				ELEVATION AND DATUM: 180.32' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/30/05	DATE FINISHED: 11/30/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 11.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 180.32' MSL	PID READING (ppm)	REMARKS
				concrete	0.6	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~70% fine sand, ~30% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						
4						
5					0.4	
	SS-6.2					
6						
7						
8				POORLY GRADED SAND (SP): brown (10YR 4/3), moist, ~95% fine sand, ~5% fines		
9						
10						
	SS-11.0					
11				Bottom of boring at 11 ft bgs	1.9	Boring destroyed by backfilling with hydrated granular bentonite chips
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 48**
BORING LOCATION: "Palm Springs" area	ELEVATION AND DATUM: 183.81' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 12/2/05 / DATE FINISHED: 12/2/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 183.81' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): light olive brown (2.5Y 5/3), moist, ~70% fine sand, ~30% low plasticity fines	1.6	PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Concrete sample 48-CS-0.3 collected from top 3" of concrete slab
4				dark grayish brown (2.5Y 4/2), ~60% fine sand, ~40% low plasticity fines	1.2	Soil vapor samples 48-SV-5.0 and 48-SV-15.0 collected at 5 and 15 ft bgs, respectively
5				Boring not logged below 5 ft bgs	1.7	
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 48 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 49**
BORING LOCATION: "Palm Springs" area	ELEVATION AND DATUM: 183.94' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 12/1/05 / DATE FINISHED: 12/1/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				Surface Elevation: 183.94' MSL		
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND with GRAVEL (SM): dark brown (10YR 3/3), moist, ~50% fine to medium sand, ~30% low plasticity fines, ~20% fine subangular gravel	0.5	PID readings are headspace in plastic bags
2						Soil vapor samples 49-SV-5.0b and 49-SV-15.0a collected at 5 and 15 ft bgs, respectively
3						
4						
5				Boring not logged below 5 ft bgs	1.2	
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 49 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY					Log of Boring No. 50
BORING LOCATION: "Palm Springs" area					ELEVATION AND DATUM: 183.34' MSL
DRILLING CONTRACTOR: American Analytics					DATE STARTED: 12/2/05 / DATE FINISHED: 12/2/05
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD					DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA					LOGGED BY: T. Naing
HAMMER WEIGHT: NA	DROP: NA				RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 183.34' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (10YR 4/2), moist, ~80% fine to medium sand, ~20% low plasticity fines	1.6	PID readings are headspace in plastic bags
2				dark olive gray (5Y 3/2), ~60% fine sand, ~40% low plasticity fines	4.5	Hand augered to 5 ft bgs
3						Soil vapor samples 50-SV-5.0 and 50-SV-15.0b collected at 5 and 15 ft bgs, respectively
4						
5				Boring not logged below 5 ft bgs	6.9	
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 50 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 51**
BORING LOCATION: "Palm Springs" area	ELEVATION AND DATUM: 182.92' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/28/05 / DATE FINISHED: 11/28/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 6.9 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 182.92' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~55% fine sand, ~45% low plasticity fines	11.0	PID readings are headspace in plastic bags
2	SS-3.0					Hand augered to 6 ft bgs
3					1.0	Sample SS-3.0 was collected using slide hammer and microcore sampler
4						
5						
6	SS-6.9					
7				Bottom of boring at 6.9 ft bgs	1.9	Boring destroyed by backfilling with hydrated granular bentonite chips
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 52**
BORING LOCATION: "Palm Springs" area	ELEVATION AND DATUM: 182.57' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/28/05 / DATE FINISHED: 11/28/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 7.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 182.57' MSL	PID READING (ppm)	REMARKS
				asphalt	0.4	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): very dark grayish brown (2.5Y 3/2), moist, ~55% fine sand, ~45% low plasticity fines		
2	SS-3.0					PID readings are headspace in plastic bags Hand augered to 5.75 ft bgs
3					0.6	Sample SS-3.0 was collected using slide hammer and microcore sampler
				~60% fine sand, ~40% fines		
4				~55% fine sand, ~45% fines		
5						
6	SS-7.0					
7				Bottom of boring at 7 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY					Log of Boring No. 53
BORING LOCATION: Parcel 6					ELEVATION AND DATUM: 178.09' MSL
DRILLING CONTRACTOR: American Analytics					DATE STARTED: 11/23/05 / DATE FINISHED: 11/23/05
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD					DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA					LOGGED BY: T. Naing
HAMMER WEIGHT: NA	DROP: NA				RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 178.09' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
				SILTY SAND (SM): very dark grayish brown (2.5Y 3/2), moist, ~60% fine sand, ~40% low plasticity fines	0.5	PID readings are headspace in plastic bags
1						Hand augered to 5 ft bgs
2						Soil vapor samples 53-SV-5.0 and 53-SV-15.0 collected at 5 and 15 ft bgs, respectively
3						
4						
5				Boring not logged below 5 ft bgs	0.7	
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 53 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY					Log of Boring No. 54	
BORING LOCATION: Parcel 6					ELEVATION AND DATUM: 178.11' MSL	
DRILLING CONTRACTOR: American Analytics					DATE STARTED: 11/23/05	DATE FINISHED: 11/23/05
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD					DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA					LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA				RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 178.11' MSL	PID READING (ppm)	REMARKS
				concrete	0.6	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND with GRAVEL (SM): very dark grayish brown (2.5Y 3/2), moist, ~60% fine to coarse sand, ~20% fine gravel, ~20% low plasticity fines, pieces of broken glass		PID readings are headspace in plastic bags
2				Boring not logged below 2 ft bgs		Hand augered to 2 ft bgs
3						Soil vapor samples 54-SV-5.0 and 54-SV-15.0 collected at 5 and 15 ft bgs, respectively
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 54 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 55**
BORING LOCATION: Parcel 6	ELEVATION AND DATUM: 177.95' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/23/05 / DATE FINISHED: 11/23/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 177.95' MSL	PID READING (ppm)	REMARKS
				asphalt	0.5	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SANDY LEAN CLAY with GRAVEL (CL): brown (7.5YR 4/3), moist, ~70% fines, ~15% fine to medium sand, ~15% fine gravel, low plasticity		
				Boring not logged below 1.5 ft bgs		PID readings are headspace in plastic bags
2						Hand augered to 1.5 ft bgs
3						Soil vapor samples 55-SV-5.0 and 55-SV-15.0 collected at 5 and 15 ft bgs, respectively
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 55 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 56	
BORING LOCATION: Parcel 6				ELEVATION AND DATUM: 178.14' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/23/05	DATE FINISHED: 11/23/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 15.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER	FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 178.14' MSL	PID READING (ppm)	REMARKS
				asphalt		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): light grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines, trace fine gravel		PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Soil vapor samples 56-SV-5.0 and 56-SV-15.0 collected at 5 and 15 ft bgs, respectively
4						
5				Boring not logged below 5 ft bgs		
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 56 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
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22							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY					Log of Boring No. 57
BORING LOCATION: Parcel 6					ELEVATION AND DATUM: 177.88' MSL
DRILLING CONTRACTOR: American Analytics					DATE STARTED: 11/23/05 / DATE FINISHED: 11/23/05
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD					DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA					LOGGED BY: T. Naing
HAMMER WEIGHT: NA	DROP: NA				RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 177.88' MSL	PID READING (ppm)	REMARKS
				asphalt	0.6	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND with GRAVEL (SM): light olive brown (2.5Y 5/4), dry, ~60% fine to coarse sand, ~25% fines, ~15% fine gravel Boring not logged below 1 ft bgs		PID readings are headspace in plastic bags
2						Hand augered to 1 ft bgs
3						Soil vapor samples 57-SV-5.0 and 57-SV-15.0 collected at 5 and 15 ft bgs, respectively
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 57 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 58**
BORING LOCATION: Parcel 6	ELEVATION AND DATUM: 178.03' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/23/05 / DATE FINISHED: 11/23/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 178.03' MSL	PID READING (ppm)	REMARKS
				asphalt	0.4	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): yellowish brown (10YR 5/6), moist, ~70% fine to coarse sand, ~20% low plasticity fines, ~10% fine gravel		PID readings are headspace in plastic bags
2						Hand augered to 1.8 ft bgs
3						Soil vapor samples 58-SV-5.0 and 58-SV-15.0 collected at 5 and 15 ft bgs, respectively
4						
5				Boring not logged below 5 ft bgs		
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 58 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 59**
BORING LOCATION: Parcel 6	ELEVATION AND DATUM: 175.72' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/22/05 / DATE FINISHED: 11/22/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 175.72' MSL	PID READING (ppm)	REMARKS
				concrete	1.5	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~55% fine sand, ~45% low plasticity fines		PID readings are headspace in plastic bags
2						
3				~70% fine sand, ~30% fines		Hand augered to 5 ft bgs
4						Soil vapor samples 59-SV-5.0 and 59-SV-15.0 collected at 5 and 15 ft bgs, respectively
5				Boring not logged below 5 ft bgs	1.4	
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13						
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 59 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 60**
BORING LOCATION: Parcel 6	ELEVATION AND DATUM: 178.05' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/23/05 / DATE FINISHED: 11/23/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 178.05' MSL	PID READING (ppm)	REMARKS
				asphalt	1.0	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (10YR 4/2), moist, ~80% fine to coarse sand, ~20% fines, trace fine gravel, trace broken ceramic material		
				Boring not logged below 1.5 ft bgs		PID readings are headspace in plastic bags
2						Hand augered to 1.5 ft bgs
3						Soil vapor samples 60-SV-5.0 and 60-SV-15.0 collected at 5 and 15 ft bgs, respectively
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 60 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 61	
BORING LOCATION: Parcel 6				ELEVATION AND DATUM: 175.93' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 12/5/05	DATE FINISHED: 12/5/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 15.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 175.93' MSL	PID READING (ppm)	REMARKS
				asphalt		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
				concrete	0.3	
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~55% fine sand, ~45% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Soil vapor samples 61-SV-5.0 and 61-SV-15.0 collected at 5 and 15 ft bgs, respectively
4						
5				Boring not logged below 5 ft bgs	0.5	
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11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 61 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 62**
BORING LOCATION: Parcel 6	ELEVATION AND DATUM: 175.69' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 12/1/05 / DATE FINISHED: 12/1/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 175.69' MSL	PID READING (ppm)	REMARKS
				asphalt	1.2	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND with GRAVEL (SM): dark grayish brown (2.5Y 4/2), moist, ~50% fine to medium sand, ~30% fine subrounded gravel, ~20% low plasticity fines [FILL]		
2				SILTY SAND (SM): very dark grayish brown (2.5Y 3/2), moist, ~55% fine sand, ~45% low plasticity fines	1.2	PID readings are headspace in plastic bags Hand augered to 5 ft bgs
3				dark grayish brown (2.5Y 4/2)		Soil vapor samples 62-SV-5.0 and 62-SV-15.0 collected at 5 and 15 ft bgs, respectively
4						
5				Boring not logged below 5 ft bgs	0.9	
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 62 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 63	
BORING LOCATION: Parcel 6				ELEVATION AND DATUM: 176.24' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 12/5/05	DATE FINISHED: 12/5/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 15.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER	FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 176.24' MSL	PID READING (ppm)	REMARKS
				asphalt		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~55% fine sand, ~45% low plasticity fines	2.1	PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Soil vapor samples 63-SV-5.0 and 63-SV-15.0 collected at 5 and 15 ft bgs, respectively
4						
5				Boring not logged below 5 ft bgs	1.2	
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 63 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY					Log of Boring No. 64
BORING LOCATION: Parcel 6					ELEVATION AND DATUM: 176.60' MSL
DRILLING CONTRACTOR: American Analytics					DATE STARTED: 12/1/05 / DATE FINISHED: 12/1/05
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD					DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA					LOGGED BY: T. Naing
HAMMER WEIGHT: NA	DROP: NA				RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 176.60' MSL	PID READING (ppm)	REMARKS
				asphalt		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
				SILTY SAND (SM): dark olive brown (2.5Y 3/3), moist, ~60% fine sand, ~40% low plasticity fines	0.5	PID readings are headspace in plastic bags
1						
2						Hand augered to 5 ft bgs
3				dark grayish brown (2.5Y 4/2)		Soil vapor samples 64-SV-5.0 and 64-SV-15.0 collected at 5 and 15 ft bgs, respectively
4						
5				Boring not logged below 5 ft bgs	0.5	
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12						
13						
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 64 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
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RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 65**
BORING LOCATION: Parcel 6	ELEVATION AND DATUM: 177.00' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/22/05 / DATE FINISHED: 11/22/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: A. Gonzalez
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 177.00' MSL	PID READING (ppm)	REMARKS
				asphalt	1.5	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): very dark grayish brown (2.5Y 3/2), moist, ~60% fine to medium sand, ~40% low plasticity fines dark olive brown (2.5Y 3/3)		PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Soil vapor samples 65-SV-5.0 and 65-SV-15.0 collected at 5 and 15 ft bgs, respectively
4				light olive brown (2.5Y 5/4)		
5				Boring not logged below 5 ft bgs	1.8	
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 65 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 66	
BORING LOCATION: Parcel 6				ELEVATION AND DATUM: 176.92' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/22/05	DATE FINISHED: 11/22/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 15.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER	FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA				LOGGED BY: A. Gonzalez	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 176.92' MSL	PID READING (ppm)	REMARKS
				asphalt	1.0	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine to medium sand, ~40% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Soil vapor samples 66-SV-5.0 and 66-SV-15.0 collected at 5 and 15 ft bgs, respectively
4						
5				Boring not logged below 5 ft bgs	0.7	
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 66 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 67	
BORING LOCATION: Parcel 6				ELEVATION AND DATUM: 177.42' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/22/05	DATE FINISHED: 11/22/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 15.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA				LOGGED BY: A. Gonzalez	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 177.42' MSL	PID READING (ppm)	REMARKS
				asphalt	1.5	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): olive brown (2.5Y 4/3), moist, ~60% fine to medium sand, ~40% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Soil vapor samples 67-SV-5.0 and 67-SV-15.0 collected at 5 and 15 ft bgs, respectively
4						
5				Boring not logged below 5 ft bgs	1.7	
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 67 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 68	
BORING LOCATION: Parcel 6				ELEVATION AND DATUM: 177.79' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/22/05	DATE FINISHED: 11/22/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 15.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA				LOGGED BY: A. Gonzalez	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 177.79' MSL	PID READING (ppm)	REMARKS
				asphalt	1.4	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark olive brown (2.5Y 3/3), moist, ~60% fine to medium sand, ~40% low plasticity fines		
2				dark grayish brown (2.5Y 4/2)		PID readings are headspace in plastic bags
3						Hand augered to 5 ft bgs
4						Soil vapor samples 68-SV-5.0 and 68-SV-15.0 collected at 5 and 15 ft bgs, respectively
5					1.2	
				Boring not logged below 5 ft bgs		
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 68 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY					Log of Boring No. 69	
BORING LOCATION: Parcel 69					ELEVATION AND DATUM: 182.86' MSL	
DRILLING CONTRACTOR: American Analytics					DATE STARTED: 12/2/05	DATE FINISHED: 12/2/05
DRILLING METHOD: Direct push					TOTAL DEPTH (ft.): 15.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD					DEPTH TO WATER	FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA					LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA				RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 182.86' MSL	PID READING (ppm)	REMARKS
				asphalt		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~55% fine sand, ~45% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
3						Soil vapor samples 69-SV-5.0 and 69-SV-15.0 collected at 5 and 15 ft bgs, respectively
4						
5				Boring not logged below 5 ft bgs		
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 69 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 70	
BORING LOCATION: Parcel 6				ELEVATION AND DATUM: 187.53' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/30/05	DATE FINISHED: 11/30/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 14.3	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.53' MSL	PID READING (ppm)	REMARKS
				asphalt	0.4	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard PID readings are headspace in plastic bags Hand augered to 6 ft bgs
1				CLAYEY SAND (SC): dark yellowish brown (10YR 4/4), moist, ~80% fine to coarse subangular to subrounded sand, ~20% medium plasticity fines, trace fine gravel		
2				POORLY GRADED SAND (SP): brown (10YR 5/3), moist, ~95% fine to coarse subangular to subrounded sand, ~5% fines		
3				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		
4						
5						
6					1.9	
7						
8	SS-8.8				0.6	
9						
10						
11				POORLY GRADED SAND (SP): brown (10YR 5/3), moist, ~95% fine sand, ~5% fines		
12						
13						
14	SS-14.3					

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 70 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
				POORLY GRADED SAND (SP): continued			
				Bottom of boring at 14.3 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 71	
BORING LOCATION: Main Substation #1				ELEVATION AND DATUM: 185.12' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 12/2/05	DATE FINISHED: 12/2/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 11.1	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 185.12' MSL	PID READING (ppm)	REMARKS
				asphalt	2.4	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND with GRAVEL (SM): brown (10YR 5/3), dry, ~60% fine sand, ~20% fine subrounded gravel, ~20% low plasticity fines		PID readings are headspace in plastic bags
2				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~70% fine sand, ~30% low plasticity fines		Hand augered to 5 ft bgs
3						
4						
5					2.0	
6	SS-6.3					
7						
8						
9				POORLY GRADED SAND (SP): light yellowish brown (10YR 6/4), moist, ~95% fine sand, ~5% fines		
10	SS-11.1					
11					2.4	
				Bottom of boring at 11.1 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 72	
BORING LOCATION: Former press pit				ELEVATION AND DATUM: 184.61' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/30/05	DATE FINISHED: 11/30/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 20.8	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 184.61' MSL	PID READING (ppm)	REMARKS
				asphalt		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard PID readings are headspace in plastic bags Hand augered to 5 ft bgs
1				SILTY SAND with GRAVEL (SM): dark grayish brown (10YR 4/2), moist, ~50% fine to coarse subangular to subrounded sand, ~30% fine subrounded gravel, ~20% low plasticity fines	1.0	
2						
3						
4				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		
5					0.9	
6						
7						
8				POORLY GRADED SAND (SP): light brownish gray (10YR 6/2), dry, ~95% fine sand, ~5% fines		
9						
10	SS-10.8				0.7	
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 72 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	PID READING (ppm)	REMARKS
				POORLY GRADED SAND (SP): continued		
15						
				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~70% fine sand, ~30% low plasticity fines		
16						
17						
18						
19						
20	SS-20.8	■				
21				Bottom of boring at 20.8 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 73a**
BORING LOCATION: Building 104	ELEVATION AND DATUM: 187.04' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/21/05 / DATE FINISHED: 11/21/05
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 1.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.04' MSL	PID READING (ppm)	REMARKS
				asphalt		Concrete samples 73-CS-0.3 and 73-CS-0.3B collected from top 3" and bottom 3" of concrete slab, respectively
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~80% fine sand, ~20% fines		
2				Bottom of boring at 1.5 ft bgs due to refusal		Boring destroyed by backfilling with hydrated granular bentonite chips
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 73b**
BORING LOCATION: Building 104	ELEVATION AND DATUM: 187.04' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 12/5/05 / DATE FINISHED: 12/5/05
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 6.4 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.04' MSL	PID READING (ppm)	REMARKS
				concrete	1.8	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (10YR 4/2), moist, ~80% fine sand, ~20% fines		
2	SS-2.6				0.9	PID readings are headspace in plastic bags Hand augered to 5.5 ft bgs
3						Sample were collected using slide hammer
4						
5						
6	SS-6.4				2.4	
7				Bottom of boring at 6.4 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY	**Log of Boring No. 74**
BORING LOCATION: Parcel 6	ELEVATION AND DATUM: 187.07' MSL
DRILLING CONTRACTOR: American Analytics	DATE STARTED: 11/21/05 / DATE FINISHED: 11/21/05
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 5.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER: FIRST NA / COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Microcore sampler (24" x 1")	LOGGED BY: T. Naing
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: L. Conlan / REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 187.07' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): olive brown (2.5Y 4/3), moist, ~70% fine sand, ~30% low plasticity fines, trace coarse sand and fine gravel	0.3	PID readings are headspace in plastic bags
2						Hand augered to 5 ft bgs
	SS-2.9					
3					0.2	Concrete samples 74-CS-0.3 and 74-CS-0.3B collected from top 3" and bottom 3" of concrete slab, respectively
4						
5				Bottom of boring at 5 ft bgs due to refusal		Sample SS-2.9 was collected using slide hammer
6						Boring destroyed by backfilling with hydrated granular bentonite chips
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 75	
BORING LOCATION: Building 112A				ELEVATION AND DATUM: 186.86' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/17/05	DATE FINISHED: 11/17/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 9.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.86' MSL	PID READING (ppm)	REMARKS
				concrete	1.2	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): dark grayish brown (2.5Y 4/2), moist, ~60% fine sand, ~40% low plasticity fines		PID readings are headspace in plastic bags
2						Hand augered to 4 ft bgs
3						Sample SS-4.8 was collected using slide hammer
4						
	SS-4.8				1.3	
5						
6						
7						
8						
	SS-8.9				1.0	
9				Bottom of boring at 9 ft bgs		Boring destroyed by backfilling with hydrated granular bentonite chips
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 76	
BORING LOCATION: Parcel 6				ELEVATION AND DATUM: 177.47' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 11/23/05	DATE FINISHED: 11/23/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 15.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: NA				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 177.47' MSL	PID READING (ppm)	REMARKS
				concrete	1.0	PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY SAND (SM): brown (10YR 4/3), moist, ~60% fine to medium sand, ~30% low plasticity fines, ~10% fine gravel		PID readings are headspace in plastic bags
2				dark grayish brown (2.5Y 4/2), ~60% fine sand, ~40% low plasticity fines		Hand augered to 5 ft bgs
3						Soil vapor samples 76-SV-5.0 and 76-SV-15.0 collected at 5 and 15 ft bgs, respectively
4						
5				Boring not logged below 5 ft bgs	1.0	
6						
7						
8						
9						
10						
11						
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 76 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
15				Bottom of boring at 15 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY				Log of Boring No. 77	
BORING LOCATION: Former Substation #8				ELEVATION AND DATUM: 186.38' MSL	
DRILLING CONTRACTOR: American Analytics				DATE STARTED: 12/1/05	DATE FINISHED: 12/1/05
DRILLING METHOD: Direct push				TOTAL DEPTH (ft.): 16.3	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540 UD				DEPTH TO WATER: FIRST NA	COMPL. NA / 24 HRS. NA
SAMPLING METHOD: Macrocore sampler (48" x 2")				LOGGED BY: T. Naing	
HAMMER WEIGHT: NA	DROP: NA			RESPONSIBLE PROFESSIONAL: L. Conlan	REG. NO. 6943

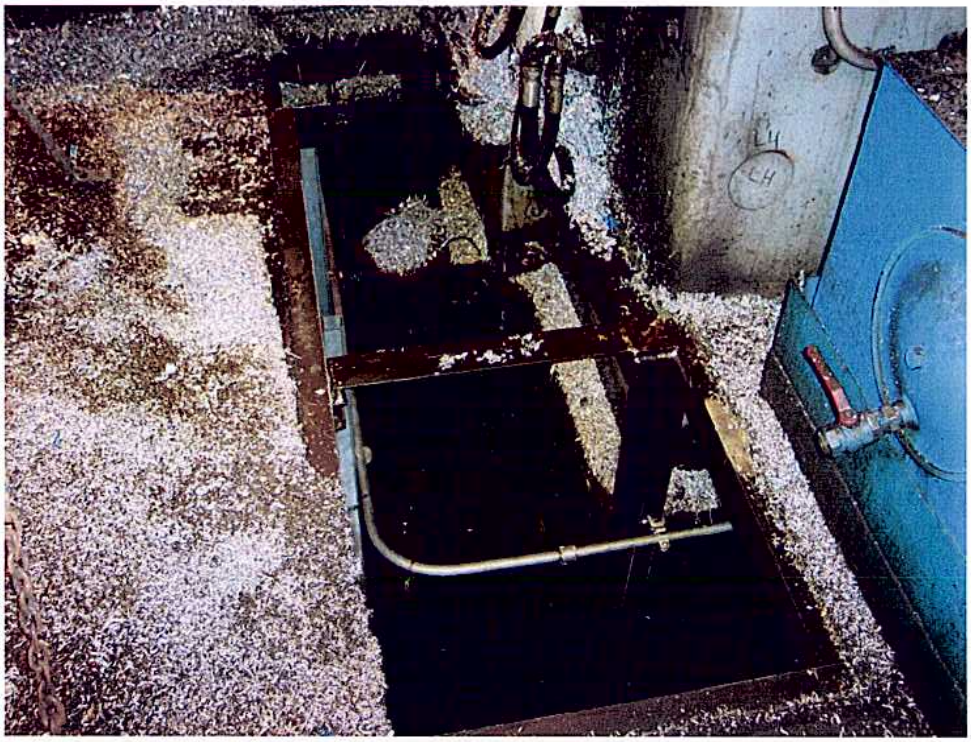
DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 186.38' MSL	PID READING (ppm)	REMARKS
				concrete		PID = MiniRae 2000 photoionization detector calibrated to 100 ppm isobutylene standard
1				SILTY GRAVEL (GM): dark grayish brown (2.5Y 4/2), moist, ~75% fine to coarse subrounded gravel, ~10% fine to medium sand, ~15% fines		PID readings are headspace in plastic bags
2						Hand augered to 2 ft bgs
3						
4						
5	SS-5.7					
6						
7						
8						
9						
10						
11				POORLY GRADED SAND (SP): light yellowish brown (10YR 6/4), ~95% fine sand, ~5% fines		
12						
13						
14						

RMRK3

PROJECT: PECHINEY CAST PLATE FACILITY

Log of Boring No. 77 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		PID READING (ppm)	REMARKS
				POORLY GRADED SAND (SP): continued			
15							
	SS-16.3						
16							
				Bottom of boring at 16.3 ft bgs			Boring destroyed by backfilling with hydrated granular bentonite chips
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							



INSPECTION OF TRENCH NEAR #5 MILL (BUILDING 112A).

INSPECTION OF TRENCH NEAR #5 MILL (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure C-1

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr

INSPECTION OF TRENCH NEAR #5 MILL (BUILDING 112A).

INSPECTION OF TRENCH NEAR #5 MILL (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-2**

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr

INSPECTION OF TRENCH NEAR #5 MILL (BUILDING 112A).

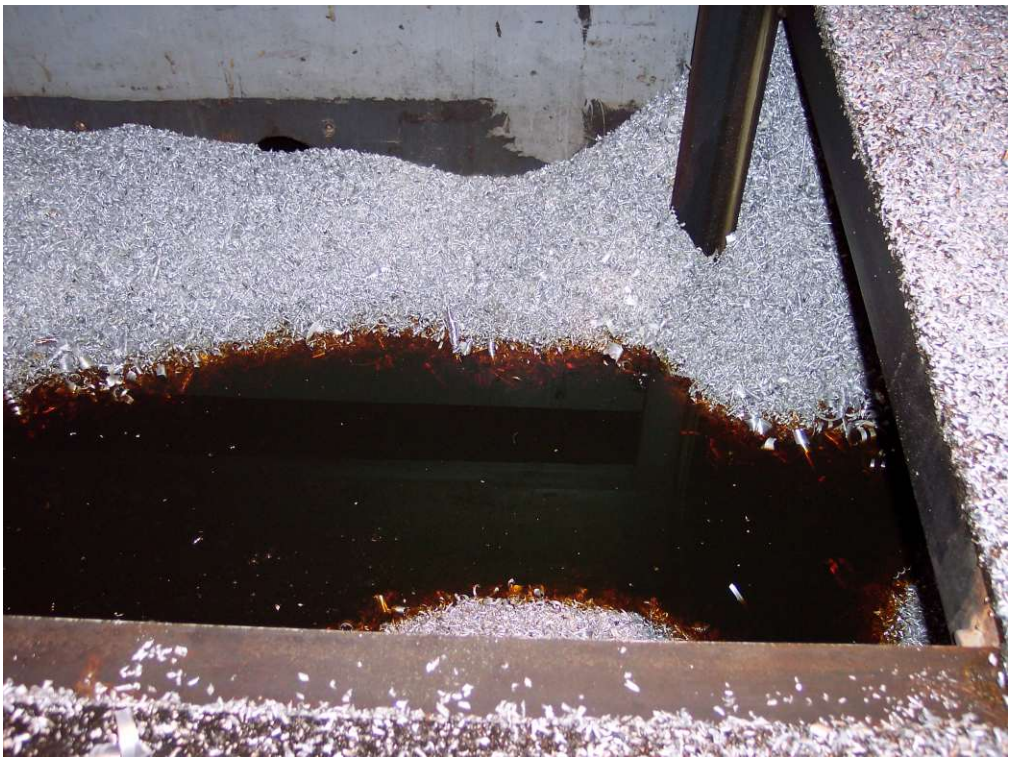
INSPECTION OF TRENCH NEAR #5 MILL (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-3**

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr

INSPECTION OF TRENCH NEAR #5 MILL (BUILDING 112A).



INSPECTION OF TRENCH NEAR #5 MILL (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-4**

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr

INSPECTION OF TRENCH NEAR #5 MILL (BUILDING 112A).

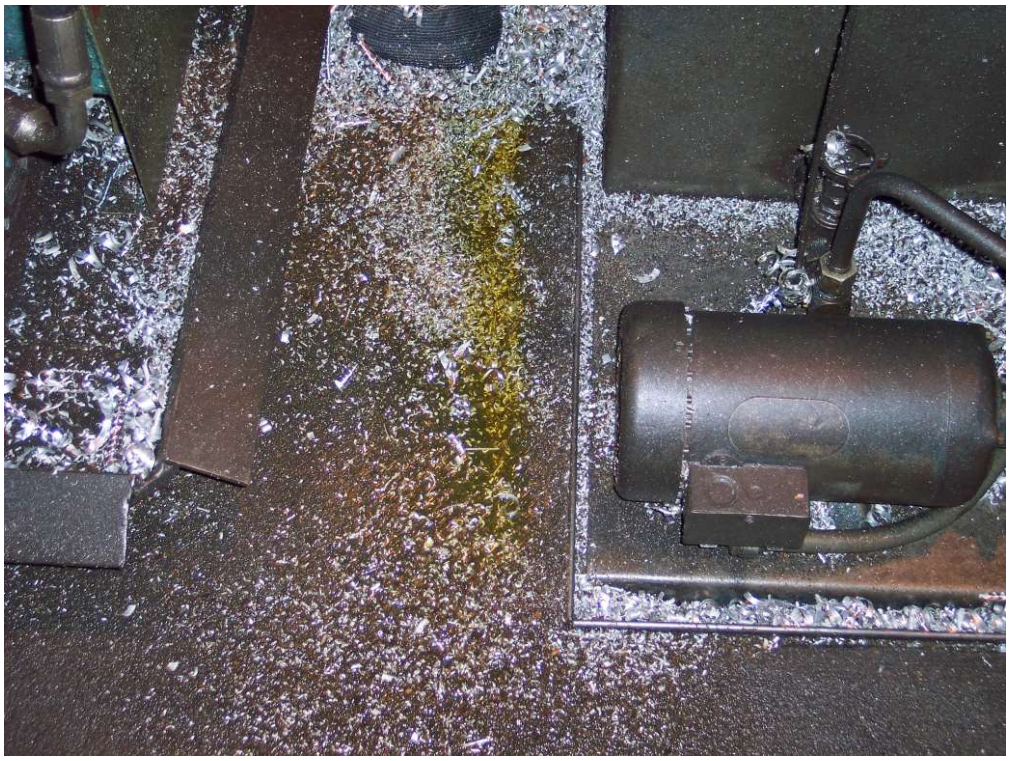
INSPECTION OF TRENCH NEAR 1ST MILL, ADJACENT TO #5 MILL (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-5**

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr

INSPECTION OF TRENCH NEAR 1ST MILL, ADJACENT TO #5 MILL (BUILDING 112A).



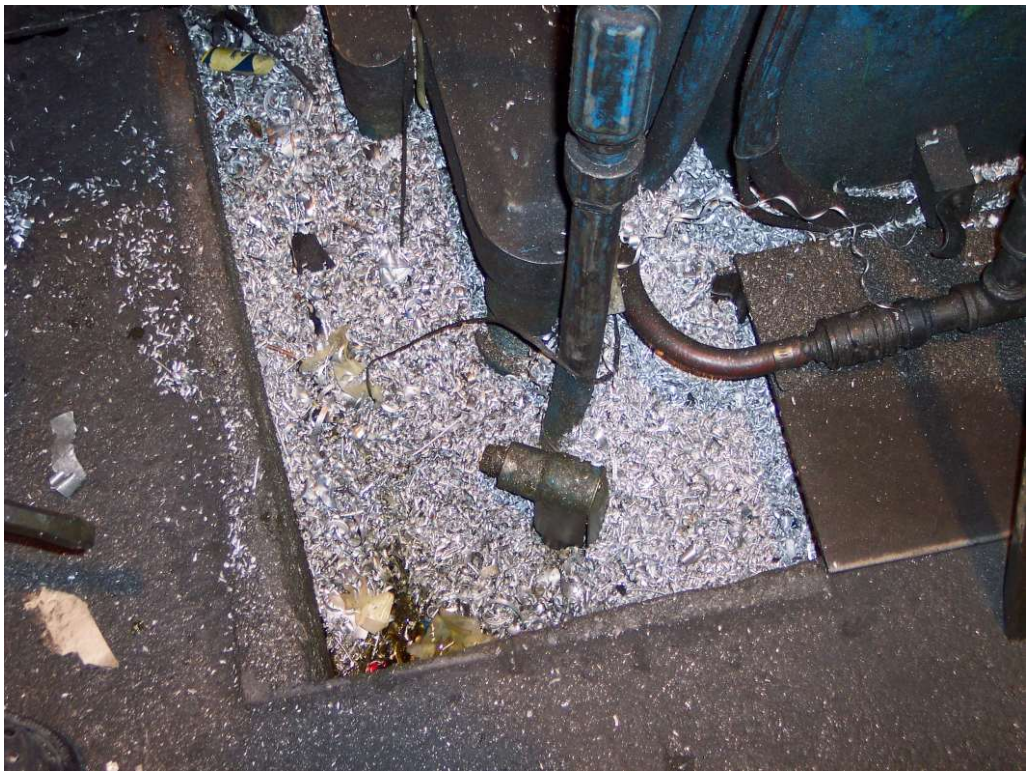
INSPECTION OF AREA SURROUNDING 2ND MILL, ADJACENT TO 1ST MILL (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-6**

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr

INSPECTION OF TRENCH NEAR SCALPER AND PLANER (BUILDING 112A).

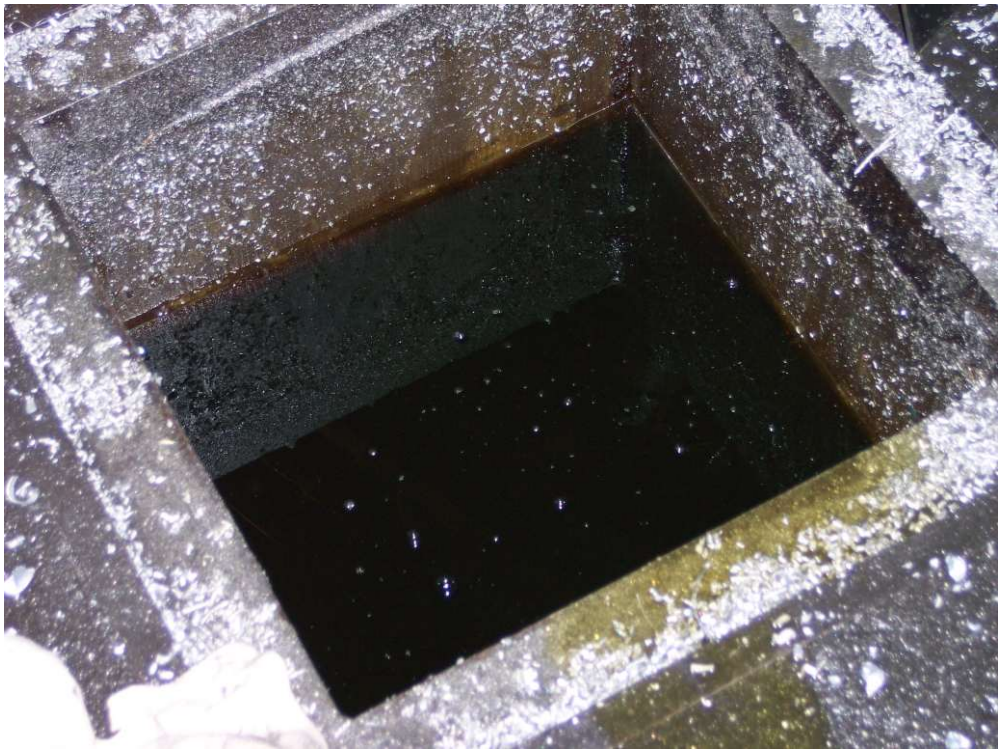


INSPECTION OF TRENCH NEAR SCALPER AND PLANER (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-7**

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr



INSPECTION OF SQUARE VAULT NEAR SCALPER AND PLANER (BUILDING 112A).

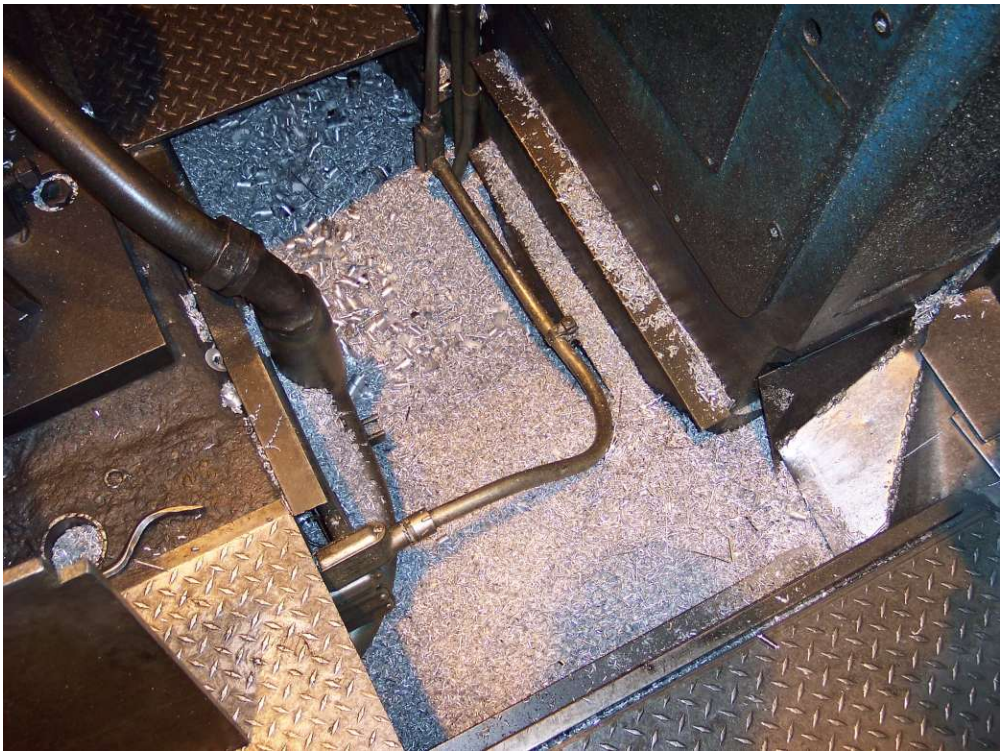
INSPECTION OF TRENCH NEAR SCALPER AND PLANER (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-8**

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr

INSPECTION OF TRENCH NEAR SCALPER AND PLANER (BUILDING 112A).



INSPECTION OF TRENCH NEAR SCALPER AND PLANER (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-9**

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr

INSPECTION OF TRENCH AND APPARENT SUMP NEAR SCALPER AND PLANER (BUILDING 112A).

INSPECTION OF TRENCH AND APPARENT SUMP NEAR SCALPER AND PLANER (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-10**

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr

INSPECTION OF TRENCH NEAR SCALPER AND PLANER (BUILDING 112A).

INSPECTION OF TRENCH NEAR SCALPER AND PLANER (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-11**

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr

INSPECTION OF BLIND SUMP (BUILDING 112A).

INSPECTION OF SQUARE VAULT #1 (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-12**

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr

INSPECTION OF SQUARE VAULT #2 (BUILDING 112A).

INSPECTION OF SQUARE VAULT #2 (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-13**

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr

INSPECTION OF TRENCH IN TYSAMIN SAW ROOM (BUILDING 112A).

INSPECTION OF TRENCH IN TYSAMIN SAW ROOM (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-14**

Y:\10627.000.0\other_figs\SitePhotosB1-B14.cdr

INSPECTION OF TRENCH NEAR TYSAMIN SAW (BUILDING 112A).

INSPECTION OF TRENCH NEAR TYSAMIN SAW (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-15**

Y:\10627.000.0\other_figs\SitePhotosB15-B20.cdr

INSPECTION OF TRENCH #1 NEAR HYD-MECH (BUILDING 112A).

INSPECTION OF TRENCH #1 NEAR HYD-MECH (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-16**

Y:\10627.000.0\other_figs\SitePhotosB15-B20.cdr

INSPECTION OF TRENCH #2 NEAR HYD-MECH (BUILDING 112A).

INSPECTION OF TRENCH #2 NEAR HYD-MECH (BUILDING 112A).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-17**

Y:\10627.000.0\other_figs\SitePhotosB15-B20.cdr

INSPECTION OF TRENCH IN CAST HOUSE (BUILDING 104).

INSPECTION OF TRENCH IN CAST HOUSE (BUILDING 104).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-18**

Y:\10627.000.0\other_figs\SitePhotosB15-B20.cdr

INSPECTION OF TRENCH IN CAST HOUSE (BUILDING 104).

INSPECTION OF TRENCH IN CAST HOUSE (BUILDING 104).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-19**

Y:\10627.000.0\other_figs\SitePhotosB15-B20.cdr

INSPECTION OF TRENCH IN CAST HOUSE (BUILDING 104).

INSPECTION OF TRENCH IN CAST HOUSE (BUILDING 104).

SITE PHOTOGRAPHS
PECHINEY CAST PLATE FACILITY
Vernon, California

By: AY	Date: 03/09/06	Project No. 10627.000.0
Geomatrix		Figure **C-20**

Y:\10627.000.0\other_figs\SitePhotosB15-B20.cdr

APPENDIX D

Aurora
INDUSTRIAL HYGIENE

HAZARDOUS MATERIALS SURVEY

For

Pechiney Cast Plate Facility

Located At:

3200 Fruitland Avenue
City of Vernon, California

Prepared for:

Geomatrix

Prepared by:

Aurora Industrial Hygiene
3620 Long Beach Boulevard, Suite C1
Long Beach, California 90807
(562) 988-8993

Aurora Project No. 23973

Prepared By: Grace Rinck, CIH/CAC/DHS Certified, AURORA

Date: December 19, 2005

TABLE OF CONTENTS

USE OF THIS REPORT ..... **III**

1.0 INTRODUCTION **1**

2.0 INVESTIGATION **1**

POLYCHLORINATED BIPHENYLS (PCB) SAMPLING 1
METALS SAMPLING 1
XRF LEAD SAMPLING 1
ASBESTOS SAMPLING 2
Asbestos Sample Collection *2*
Asbestos Assessment Procedures *2*
Assessing the Current Condition of the Material *2*
Assessing the Potential for Disturbance *2*

3.0 SAMPLING DATA **3**

PCB SAMPLING DATA 3
PCB Dust-Wipe Sampling *3*
PCB Bulk Sampling *3*
METAL SAMPLING TABLES 4
Metals Dust-wipe Sample Results *4*
Metals Bulk Sample Results *6*
POSITIVE XRF READINGS 7
ASBESTOS CONTAINING MATERIALS SAMPLING DATA 10
ASBESTOS CONTAINING CONSTRUCTION MATERIALS SAMPLING DATA 12

4.0 CONCLUSIONS AND RECOMMENDATIONS **12**

POLYCHLORINATED BIPHENYLS (PCB'S) 12
TITLE 17 METALS 12
LEAD SAMPLING 13
Lead-based Paint in Poor Condition *14*
Waste Handling and Disposal *15*
ASBESTOS SAMPLING 15
Asbestos Containing Materials (ACM = 1% or greater asbestos) *15*
ACM in Damaged or Significantly Damaged Condition *16*
Asbestos Containing Construction Materials (ACCM = <1% asbestos) *16*

5.0 SAMPLING SUMMARY TABLES **18**

COMPLETE LEAD SAMPLING DATA TABLE 18
COMPLETE ASBESTOS SAMPLING DATA TABLE 25

6.0 PHOTOS **31**

7.0 SAMPLE LOCATION PLANS **32**

8.0 LABORATORY REPORTS **33**

USE OF THIS REPORT

This report documents the results of the sampling of suspect asbestos-containing building materials, an XRF survey to determine the existence and location of lead based coatings on the interior and exterior building substrates, the dust-wipe sampling of various surfaces for PCB's and Title 17 metals, and the bulk sampling of wood flooring and wall panels for PCB's at the Pechiney Cast Plate Facility located at 3200 Fruitland Avenue in the City of Vernon, California. This report is based primarily upon data and information obtained during visits by Aurora Industrial Hygiene Inc. (Aurora) on November 15th, 16th, 23rd, and December 1st, 2005 and is based solely upon the condition of the buildings on the dates of such assessments.

Aurora has performed this work, made the findings, and proposed the recommendations described in this report in accordance with generally accepted environmental science practices in effect in the Southern California area at the time the work was performed. This warranty stands in lieu of all other warranties, expressed or implied. While this report can be used as a guide, it must be understood that it is neither a rejection nor an endorsement of the buildings. It must also be understood that changing circumstances in the environment and in the use of the buildings can alter radically the conclusions and information contained in this report. Quantities expressed in this report are estimated and are to be used for identification purposes. Aurora provides no guarantees regarding actual material quantities.

1.0 INTRODUCTION

This report documents the findings, recommendations, and conclusions from the polychlorinated biphenyls (PCB's) sampling, Title 17 metals sampling, XRF lead survey, and asbestos sampling conducted by DHS Inspector/Assessor and Certified Asbestos Consultant Robert Rinck, DHS Inspector/Assessor and Certified Site Surveillance Technician Sam Lardizabal, and Certified Site Surveillance Technician Tom Evans at the Pechiney Cast Plate Facility located at 3200 Fruitland Avenue, Vernon, California.

The survey was conducted in the two large buildings at the facility; the east structure containing areas known as 112, 112A, 110, 108, 106, and the Ingot Offices, and the west structure known as Building104. The temporary structures serving as offices located between the large buildings are addressed in an addendum to this survey.

2.0 INVESTIGATION

Polychlorinated Biphenyls (PCB) Sampling

Dust wipe samples for PCB's were collected from various horizontal surfaces throughout the facility. The surfaces sampled included floors, I-beam flanges, wall trusses, and the tops of electrical panels. Dust wipe samples for PCB's were collected by wiping a measured surface with a "Ghost Wipe" (ASTM specifications, Cat. # SC4200). Surfaces throughout the facility were generally very dusty and grimy. In addition, bulk samples were collected of the wood flooring in Building 112A and of the coating on the inside of the corrugated wall panels. These samples were transferred under chain of custody to American Scientific Laboratories, LLC for analysis by NIOSH Method 8082 and Polychlorinated Biphenyls by Gas Chromatography. American Scientific Laboratories, LLC is located at 2520 North San Fernando Road in Los Angeles, California 90065. PCB dust wipe samples are expressed in micrograms per square foot (ug/ft^2). PCB bulk samples are expressed in ug/kg.

Metals Sampling

Dust wipe samples for metals were collected from the same locations as the PCB samples. Dust wipe samples for metals were collected by wiping a measured surface with a "Ghost Wipe" (ASTM specifications, Cat. # SC4200). In addition, bulk samples of the wood flooring in Building 112A were taken for analysis. These samples were transferred under chain of custody to American Scientific Laboratories, LLC for analysis by Method 6010B/7471A, CCR Title 22 Metals (TTLC). Metal analytes included Mercury, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc. Dust wipe samples for metals are expressed in ug/ft^2. Bulk samples for metals are expressed in milligrams per kilogram (mg/kg).

XRF Lead Sampling

X-ray fluorescence (XRF) instrumentation was utilized to determine if lead-based paint was present. Painted surfaces of various components were sampled using XRF analysis with a NITON instrument,

(serial number U3949NR4598). A reading of >0.7 mg/cm^2 was considered positive for lead based paint, in accordance Los Angeles County regulations for Lead Based Paint Inspection.

Asbestos Sampling

115 bulk samples were collected and analyzed by polarized light microscopy (PLM) at AmeriSci Laboratories. Composite samples were separated by AmeriSci resulting in 149 samples analyzed. AmeriSci Laboratories is an EPA accredited laboratory located at 24416 South Main Street, Suite 308, in Carson, California. Samples approximately 1 cubic centimeter (cc) in size were obtained using appropriate sampling equipment. The sampling area was misted with water to minimize the potential for the release of airborne fibers. Collected samples were placed in sealed plastic bags, labeled and transported under chain of custody to AmeriSci by hand delivery.

Asbestos Sample Collection

Prior to the collection of any samples, homogeneous sampling areas were identified in accordance with Asbestos Hazard Emergency Response Act (AHERA) protocol (40 CFR part 763). A homogeneous sampling area is described as any material that is identical in appearance, color, texture, and installed at the same time. The first three digits of the sample number indicate the homogeneous area. The last two digits indicate the sample number within the homogeneous area.

Asbestos Assessment Procedures

The physical assessment procedures used during this survey consisted of assessing: (1) the condition of the suspect material, and (2) the potential for future disturbance. Following the assessment, all assessed ACM was placed into one of seven categories of condition and potential for disturbance.

Assessing the Current Condition of the Material

Suspect asbestos material was placed in one of three categories based on a visual inspection: good, damaged, or significantly damaged. To aid in reliable and repeatable application of the three AHERA condition categories, rough quantitative measures of damage were used. If the damage or deterioration covered roughly one tenth (if evenly distributed) or one quarter (if localized) of the surface, or more, the suspect material was rated as being significantly damaged.

Assessing the Potential for Disturbance

The likelihood that the suspect asbestos material could be disturbed in the future is related to: (1) the frequency with which employees need to work near, or building occupants are in the vicinity of the material, (2) its location with respect to sources of vibration, and (3) the potential for air/water erosion. These factors were used to classify the material with respect to its potential for disturbance. The categories are: potential for significant damage, potential for damage, and low potential.

3.0 SAMPLING DATA

PCB Sampling Data

PCB Dust-Wipe Sampling

Sample #	Building	Location (column)	Surface	Result (ug/ft^2)
WS001	112A	F63	Wood floor	8.91
WS002	112A	D65	Wood floor	ND
WS003	112A	C 55/54	Lower wall truss	178.07
WS004	112A	H47	Concrete floor	27.9
WS005	112A	F43	Electric panel	295.18
WS006	112A	H33	Wall truss (5' high)	360
WS007	112A	F33	Concrete floor	17.3
WS008	112A	G25	Concrete floor	27.3
WS009	112	F23	Upper I-beam flange	392.37
WS010	112	F/E3	Concrete EQ pad	2.43
WS011	110	H21/19	Parts crib floor	21.2
WS012	108	C/H13	Concrete floor	44.4
WS013	108	B21	Concrete floor	73.2
WS014	106	B20	Upper I-beam flange	385.17
WS015	106	A/B14	Concrete floor	36.6
WS016	106	A1	Concrete floor	10.1
WS017	104	C21	Concrete floor	10.9
WS018	104	B22	Concrete floor	5.97
WS019	104	B17	Column footing	12.38
WS020	104	Dump Mold Storage	Concrete floor	ND
WS021	104	C9	Lower wall truss	5.93
WS022	104	C1	Electric transformer	4.57
WS023	104	C/B1	Blue bench cabinet	3.00
WS024	104	A5	Concrete floor	3.90
WS025	104	A8	Concrete floor	14.1
WS026	104	A12	Concrete floor	87.2

PCB Bulk Sampling

Sample #	Building	Location (column)	Material	Result (ug/kg)
BK001	112	West interior wall	Corrugated panel	**14500**
BK002	112A	G53	Wood flooring	**181**
BK003	112A	H/I57	Wood flooring	**522**
BK004	112A	G57	Wood flooring	**1480**
BK005	104	C22	Textured paint	**12100 (PCB-1248)**
				10600 (PCB-1254)

Metal Sampling Tables

Metals Dust-wipe Sample Results

Results are expressed in ug/ft²

Sample #	WS001	WS002	WS003	WS004	WS005
Building	112A	112A	112A	112A	112A
Location (column)	F63	D65	C55/54	H47	F43
Surface	Wood floor	Wood floor	Wall truss	Concrete Floor	Concrete Floor
Mercury	ND	ND	ND	ND	ND
Antimony	6.47	2.40	23.54	4.54	23.06
Arsenic	8.34	7.28	43.36	16.4	40.56
Barium	177	74.8	2085	532	2,683
Beryllium	ND	ND	2.38	0.60	2.04
Cadmium	1.99	0.80	13.0	3.40	17.40
Chromium	273	60.5	386.4	138	448.76
Cobalt	5.32	2.06	41.76	8.14	33.60
Copper	674	499	4,800	1,390	3,576
Lead	1,090	84.0	2136	619	1,591
Molybdenum	5.91	2.98	38.40	9.25	44.64
Nickel	119	110	787	292	595.15
Selenium	3.53	2.42	7.1	0.79	3.62
Silver	ND	ND	10.54	ND	4.87
Thallium	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	ND
Zinc	1630	921	12,143	2,350	10,271

Sample #	WS006	WS007	WS008	WS009	WS010
Building	112A	112A	112A	112	112
Location (column)	H33	F33	G25	F23	F/E3
Surface	Wall truss	Concrete flr	Concrete flr	I-beam flange	Equip. pad
Mercury	ND	ND	ND	ND	ND
Antimony	33.84	5.48	11.0	139.31	7.57
Arsenic	65.52	16.3	16.9	128.15	12.3
Barium	1,034	853	757	1,692	406
Beryllium	7.61	ND	ND	24.69	ND
Cadmium	53.04	4.12	13.0	222.1	11.6
Chromium	672	149	16.1	1,343	80.2
Cobalt	67.92	9.69	11.6	132.11	12.0
Copper	4,272	949	418	12,959	558
Lead	13,679	375	1,010	26,062	632
Molybdenum	53.52	8.14	14.0	178.55	18.9
Nickel	393.57	79.1	65.8	1,030	72.4
Selenium	18.19	1.78	4.18	ND	2.95
Silver	27.84	0.92	1.00	11.12	ND
Thallium	ND	ND	ND	ND	ND
Vanadium	22.80	ND	18.8	83.51	15.5
Zinc	35,277	4,590	4,300	68,035	2840

Sample #	WS0011	WS0012	WS013	WS014	WS015
Building	110	108	108	106	106
Location (column)	H21/19	C/H13	B21	B20	A/B14
Surface	Concrete flr	Concrete flr	Concrete flr	I-beam flange	Concrete flr
Mercury	ND	ND	ND	ND	ND
Antimony	20.2	11.6	10.1	63	3.96
Arsenic	18.9	25.3	22.1	59	5.75
Barium	1020	990	367	1,354	326
Beryllium	1.24	0.73	4.20	2.77	ND
Cadmium	42.0	28.4	158	64.1	15.8
Chromium	160	206	212	295.18	47.3
Cobalt	23.6	19.5	44.8	162.35	7.04
Copper	1,350	2,260	19,500	2,937	521
Lead	1,690	1,480	2,840	7,775	459
Molybdenum	27.9	39.8	88.5	103.67	12.4
Nickel	130	96.7	195	302.74	40.4
Selenium	5.18	4.07	6.28	19.37	2.46
Silver	ND	2.87	19.7	50	1.05
Thallium	ND	ND	ND	ND	ND
Vanadium	11.8	37.2	30.5	76.31	14.1
Zinc	10,300	12,400	15,500	10,763	2,040

Sample #	WS0016	WS017	WS018	WS019	WS020
Building	106	104	104	104	104
Location (column)	A1	C21	B22	B17	Dump mold str
Surface	Concrete flr	Concrete flr	Concrete flr	Column footing	Concrete flr
Mercury	1.84	ND	ND	ND	ND
Antimony	13.5	5.74	10.1	8.67	3.95
Arsenic	30.0	27.5	14.0	18.9	44.9
Barium	388	1670	1420	1,851	1190
Beryllium	ND	1.08	1.17	2.74	4.35
Cadmium	76.5	15.4	16.5	7.14	9.29
Chromium	185	283	156	203.14	516
Cobalt	35.9	26.9	25.6	20.96	20.1
Copper	1260	1960	1240	1,350	2230
Lead	6,620	580	623	531	327
Molybdenum	63.7	19.2	19.5	24.30	12.3
Nickel	144	191	168	108	189
Selenium	11.2	1.89	4.81	5.36	ND
Silver	8.55	4.83	6.08	4.64	2.60
Thallium	ND	ND	ND	ND	ND
Vanadium	94.1	ND	2.72	ND	ND
Zinc	58,900	9,470	9,330	12,137	20,000

Sample #	WS0021	WS0024	WS0025	WS026
Building	104	104	104	104
Location (column)	C9	A5	A8	A12
Surface	Wall truss	Concrete flr	Concrete flr	Concrete flr
Mercury	ND	ND	ND	ND
Antimony	11.33	9.66	6.83	6.96
Arsenic	45.84	27.7	2.37	24.9
Barium	2,448	510	973	2,670
Beryllium	5.35	3.50	ND	1.73
Cadmium	36	47.9	4.34	21.4
Chromium	509	352	58.4	289
Cobalt	34.1	22.5	5.25	13.4
Copper	4,560	2760	392	1,820
Lead	706	860	146	474
Molybdenum	36.48	22.3	6.79	12.4
Nickel	345.57	216	47.9	120
Selenium	17.40	3.16	5.02	0.73
Silver	8.38	6.31	1.87	ND
Thallium	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND
Zinc	9,551	17,200	4,680	14,500

Metals Bulk Sample Results

Results are expressed in mg/kg

Sample #	BK002	BK003	BK004
Building	112A	112A	112A
Location (column)	G53	H/I57	G57
Material	Wood flr	Wood flr	Wood flr
Mercury	ND	ND	ND
Antimony	ND	ND	ND
Arsenic	ND	0.30	ND
Barium	14.7	14.3	9.73
Beryllium	ND	ND	ND
Cadmium	ND	ND	ND
Chromium	1.11	3.02	0.93
Cobalt	ND	0.53	ND
Copper	4.15	79.5	6.31
Lead	4.96	13.6	14.5
Molybdenum	ND	ND	ND
Nickel	0.79	26.9	0.93
Selenium	1.04	0.84	0.60
Silver	ND	ND	ND
Thallium	ND	ND	ND
Vanadium	ND	ND	ND
Zinc	68.4	95.8	23.4

Positive XRF Readings

The following data table summarizes the readings for materials determined to be lead based paint (defined as containing lead at >.7 mg/cm^2). A complete XRF data table including negative and positive readings is attached in Section 5.0. The table columns are identified below:

Building Identifies the building tested.

Location Identifies the side of the building tested; side 'A' is north (facing Fruitland Avenue), side B is east, side C is south, and side D is west

Component Identifies the actual component tested.

Substrate The material of the tested component.

Color The visible color of the Transom coatings.

Condition The condition of the paint was determined, as defined in the *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing:*

Intact – the entire surface is intact.

Fair – less than or equal to ten percent of the total surface area of the component is deteriorated.

Poor – more than ten percent of the total surface area of the component is deteriorated.

Pb The reading displayed by the XRF in milligram per square centimeter.

Replication The replications of a tested component (where applicable)

Building	Area	Loc	Component	Substrate	Color	Cond	Pb	Rep
104	Exterior	B	Barrier columns	Metal	Yellow	Intact	6.4	25
104	Exterior	B	Barrier wall	Metal	Yellow	Intact	5.1	
104	Exterior	B	Doorframe	Wood	Yellow	Intact	1.4	6
104	Exterior	D	Fire-sprinkler riser	Metal	Yellow	Fair	2.2	1
104	Exterior	A	Flashing	Metal	Gray	Fair	5.1	N side between bldgs.
104	Exterior	D	Gas pipe	Metal	Yellow	Intact	2	1
104	Exterior	B	ladder	Metal	Yellow	Intact	18	3
104	Exterior	C	Railing	Wood	Yellow	Poor	2	30
104	Exterior	C	Roll-up frame	Stucco	Yellow	Fair	1.1	2
104	Exterior	C	Stair rail	Metal	Yellow	Intact	7.9	1
104	Exterior	C	Stairs	Concrete	Yellow	Poor	2.1	1
104	Exterior	C	W railing support	Metal	Yellow	Poor	6	31
104	Exterior	C	Wall barrier	Metal	Yellow	Fair	2.2	1
104	Exterior	C	Wall footing @ loading dock	Concrete	Yellow	Poor	7.5	thru-out

Building	Area	Loc	Component	Substrate	Color	Cond	Pb	Rep
104	Main Area	n/a	Crane #13	Metal	Gold	Intact	5.1	1
104	Main Area	B	Doorframe	Metal	Yellow	Fair	8.4	1
104	Main Area	n/a	Handrail	Metal	Beige	Fair	1.5	thru-out
104	Main Area	B	Hort. I-beam (large)	Metal	Brown	Intact	6.5	thru-out
104	Main Area	B	Ladder	Metal	Yellow	Fair	5.1	8
104	Main Area	B	Safety bumper	Metal	Yellow	Fair	5.1	thru-out
104	Main Area	n/a	Safety stripe	Concrete	Yellow	Poor	7.3	thru-out
104	Main Area	B	Vert. I-Beam	Metal	Gray	Intact	19	thru-out
104	Main Area	B	Vert. I-Beam	Metal	Yellow	Intact	8	thru-out
104	Main Area	B	Vert. I-Beam	Metal	White	Poor	7.6	thru-out
104	Main Area	D	Vert. I-Beam	Metal	Red	Poor	5.1	thru-out
104	Main Area	B	Wall truss	Metal	Gray	Poor	18	thru-out
104	Main Area	B	Wall truss	Metal	Gold	Intact	5.1	thru-out
104	North bathroom	D	Doorframe	Wood	White	Poor	3.7	1
104	North bathroom	n/a	Roof support	Metal	White	Intact	5.3	thru-out
104	North bathroom	B	Roof support	Metal	White	Intact	4.3	thru-out
104	North bathroom	A	Wall panel	Metal	White	Poor	2.9	thru-out
104	North bathroom	A	Water pipe	Metal	White	Fair	5.7	thru-out
104	North bathroom	B	Window frame	Metal	White	Fair	3.4	1
104	Office	B	Hort. I-beam	Metal	White	Intact	4.7	thru-out
104	Office	B	Roof support	Metal	White	Intact	2.6	thru-out
112	Main Area	n/a	Roof support	Metal	Silver	Intact	5.1	thru-out
112/110/108/106	110	C	Door	Wood	White	Intact	1.6	1
112/110/108/106	110	C	Doorframe	Wood	White	Intact	6.5	1
112/110/108/106	106 - Men's Restroom	B	Ceramic tile wall	Tile	Beige	Intact	25	300 SF
112/110/108/106	112 - Men's RR	A	Ceramic tile wall	Tile	Berge	Intact	5.1	300 SF
112/110/108/106	112 - Women's	C	Ceramic tile wall	Tile	Pink	Intact	5.1	280 SF

Building	Area	Loc	Component	Substrate	Color	Cond	Pb	Rep
	RR							
112/110/108/106	Main Area	n/a	Hort. I-beam	Metal	Silver	Fair	5.1	7
112/110/108/106	Main Area	D	Ladder	Metal	Gray	Poor	5.1	1
112/110/108/106	Main Area	n/a	Ladder (older)	Metal	Yellow	Poor	5.1	4
112/110/108/106	Main Area	B	Loading dock fence	Metal	Yellow	Intact	2.7	1
112/110/108/106	Main Area	n/a	Roof support	Metal	Silver	Fair	5.1	thru-out
112/110/108/106	Main Area	A	Safety bumper	Metal	Yellow	Intact	5.1	1
112/110/108/106	Main Area	n/a	Safety posts	Metal	Yellow	Fair	5.1	apprx. 12
112/110/108/106	Main Area	B	Vert. I-Beam	Metal	Silver	Intact	19	apprx. 120
112/110/108/106	Main Area	B	Wall truss	Metal	Silver	Intact	5.1	thru-out
112A	Main Area	D	Elec. Panel ladder	Metal	Yellow	Poor	5.1	1
112A	Main Area	D	Elec. Panel platform	Metal	Gray	Fair	5.1	1
112A	Main Area	n/a	Hort. I-beam	Metal	Gray	Fair	15	3
112A	Main Area	n/a	Hort. I-beam	Metal	White	Intact	13	4
112A	Main Area	C	Ladder	Metal	Gray	Fair	0.7	6
112A	Main Area	B	Large I-beam	Metal	White	Intact	17	apprx. 150
112A	Main Area	D	Large I-beam	Metal	Silver	Fair	12	apprx. 150
112A	Main Area	B	Loading dock fence	Metal	Yellow	Fair	1.8	3
112A	Main Area	B	Roll-up frame	Metal	Gray	Poor	2.9	4
112A	Main Area	n/a	Roof support	Metal	Silver	Intact	24	thru-out
112A	Main Area	D	Safety bumper	Metal	Yellow	Intact	6.2	3
112A	Main Area	n/a	Safety posts	Metal	Yellow	Fair	7.3	apprx. 60
112A	Main Area	n/a	Safety stripe	Concrete	Yellow	Poor	11	thru-out
112A	Main Area	n/a	Vert. I-Beam	Metal	Gray	Fair	3.3	15
112A	Main Area	B	Wall truss	Metal	White	Intact	23	thru-out
112A/112/110/108/106	Exterior	C	Comp. air riser	Metal	Lt. Blue	Intact	2.8	1
112A/112/110/108/106	Exterior	C	Door 3 bumper	Metal	Yellow	Poor	2.6	4

Building	Area	Loc	Component	Substrate	Color	Cond	Pb	Rep
112A/112/110/108/106	Exterior	C	Fire-sprinkler riser	Metal	Red	Fair	2.2	7
110	Exterior	n/a	High-bay wall panel	Metal	Beige	Intact	2	Thru-out
112A/112/110/108/106	Exterior	D	Ladder	Metal	Yellow	Intact	5.1	5
112A/112/110/108/106	Exterior	A	Ramp guard	Metal	Yellow	Fair	13	2
112A/112/110/108/106	Exterior	n/a	Roof ladder	Metal	Yellow	Poor	1	thru-out
112A/112/110/108/106	Exterior	n/a	Roofing support beam	Metal	Silver	Fair	5.1	thru-out
112A/112/110/108/106	Exterior	D	RR track bumper	Metal	Yellow	Fair	0.8	thru-out
112A/112/110/108/106	Exterior	A	Sliding Doorframe	Metal	Beige	Fair	10	42
112A/112/110/108/106	Exterior	D	Wall truss	Metal	Beige	Intact	10	thru-out
112A/112/110/108/106	Exterior	B	Wall truss	Metal	Beige	Poor	6.3	thru-out
112A/112/110/108/106	Exterior	D	Window frame	Metal	Beige	Intact	1.9	apprx. 700 sets
Ingot Offices	Exterior	A	Downspout	Metal	Brown	Intact	1.8	2
Ingot Offices	Exterior	D	Flashing	Metal	Brown	Intact	1.4	2 sides
Ingot Offices	Exterior	A	Ladder	Metal	Yellow	Fair	2.2	1
Ingot Offices	Exterior	A	Safety posts	Metal	Yellow	Fair	3.4	12
Ingot Offices	Exterior	D	Safety stripe	Concrete	Yellow	Fair	24	thru-out
Ingot Offices	Exterior	A	Wall (cinder block)	Concrete	Tan	Intact	1.6	thru-out
Ingot Offices	Exterior	A	Window Sill	Concrete	Brown	Intact	1.8	7

Asbestos Containing Materials Sampling Data

The following table summarizes the information for the samples determined to be defined as Asbestos Containing Materials (*greater* than 1% asbestos).

Sample #	Description	Location	Condition	DP	Quantity	Result
006-01M	Floor tile mastic (bottom layer)	112A Locker Rm	Damaged	Medium	900 SF	5% Chrysotile
006-02FT	Black VFT (bottom layer)	112A Locker Rm	Damaged	Medium	900 SF	2% Chrysotile
006-02M	Floor tile mastic (bottom layer)	112A Locker Rm	Damaged	Medium	900 SF	5% Chrysotile
006-03FT	Black VFT (bottom layer)	112A Locker Rm	Damaged	Medium	900 SF	2% Chrysotile
006-03M	Floor tile mastic (bottom layer)	112A Locker Rm	Damaged	Medium	900 SF	5% Chrysotile
015-01	9x9 green VFT w/mastic	112A Material Hand. Ofc.	Damaged	Medium	200 SF	3% Chrysotile
015-02	9x9 green VFT w/mastic	112A Material Hand. Ofc.	Damaged	Medium	200 SF	3% Chrysotile
015-03	9x9 green VFT w/mastic	112A Material Hand. Ofc.	Damaged	Medium	200 SF	3% Chrysotile
018-03	VFT mastic	Ingot Offices	Good	Low	2500 SF	4% Chrysotile

Sample #	Description	Location	Condition	DP	Quantity	Result
021-01	Corrugated wall panel (interior side)	112A Main area	Good	Low	83000 SF	35% Chrysotile
021-02	Corrugated wall panel (interior side)	112A Main area	Good	Low	83000 SF	35% Chrysotile
021-03	Corrugated wall panel (interior side)	112A Main area	Good	Low	83000 SF	35% Chrysotile
023-01	Roofing Mastic	112A Roof	Good	Low	thru-out	10% Chrysotile
023-02	Roofing Mastic	112A Roof	Good	Low	thru-out	10% Chrysotile
023-03	Roofing Mastic	112A Roof	Good	Low	thru-out	10% Chrysotile
024-01	Roofing Composite	112A Roof	Good	Low	329240SF	15% Chrysotile
024-02	Roofing Composite	112A Roof	Good	Low	329240SF	5% Chrysotile
024-03	Roofing Composite	112A Roof	Good	Low	329240SF	5% Chrysotile
022-01	Corrugated wall panel (interior side)	112/110/108/106	Good	Low	6400 SF	35% Chrysotile
022-02	Corrugated wall panel (interior side)	112/110/108/106	Good	Low	6400 SF	35% Chrysotile
022-03	Corrugated wall panel (interior side)	112/110/108/106	Good	Low	6400 SF	35% Chrysotile
025-01	Roofing Composite	112/110/108/106 Roof	Good	Low	269280 SF	15% Chrysotile
025-02	Roofing Composite	112/110/108/106 Roof	Good	Low	269280 SF	10% Chrysotile
025-03	Roofing Composite	112/110/108/106 Roof	Good	Low	269280 SF	3% Chrysotile
026-01	Roofing Mastic	112/110/108/106 Roof	Good	Low	thru-out	10% Chrysotile
026-02	Roofing Mastic	112/110/108/106 Roof	Good	Low	thru-out	10% Chrysotile
026-02	Roofing Mastic	112/110/108/106 Roof	Good	Low	thru-out	20% Chrysotile
026-03	Roofing Mastic	112/110/108/106 Roof	Good	Low	thru-out	10% Chrysotile
028-01	Roofing Mastic	104 Roof	Good	Low	thru-out	10% Chrysotile
028-02	Roofing Mastic	104 Roof	Good	Low	thru-out	10% Chrysotile
028-03	Roofing Mastic	104 Roof	Good	Low	thru-out	10% Chrysotile
031-01	Loose debris	104 Roof	Significantl y Damaged	High	thru-out roof (79000 SF)	35% Chrysotile
031-02	Loose debris	104 Roof	Significantl y Damaged	High	thru-out roof	10% Chrysotile
031-03	Loose debris	104 Roof	Significantl y Damaged	High	thru-out roof	35% Chrysotile
033-01	Corrugated wall panel (interior side)	104 East	Good	Low	26000 SF	10% Chrysotile
033-02	Corrugated wall panel (interior side)	104 West	Good	Low	26000 SF	10% Chrysotile
040-01	Textured, tar-like paint	104 Columns	Good	Low	22 I-beams	2% Chrysotile
041-01	Corrugated wall panel (exterior side)	104 East	Good	Low	26000 SF	8% Chrysotile
045-01	HVAC Sealant	Ingot Offices Roof	Good	Low	100 SF	7% Chrysotile
046-01	Textured, tar-like paint	108/106	Good	Low	13 I-beams/8 trusses	5% Chrysotile
046-02	Textured, tar-like paint	108/106	Good	Low	13 I-beams/8 trusses	10% Chrysotile

DP = Damage Potential

Asbestos Containing Construction Materials Sampling Data

The following tables summarize the information for the samples determined to be defined as Asbestos Containing Construction Materials (*less* than 1% asbestos).

Sample #	Description	Location	Cond.	DP	Quantity	Result
014-01	White VFT w/mastic (bottom layer)	112A Material Hand. Ofc.	Good	Low	200 SF	<1% Chrysotile
014-02	White VFT w/mastic (bottom layer)	112A Material Hand. Ofc.	Good	Low	200 SF	<1% Chrysotile
014-03	White VFT w/mastic (bottom layer)	112A Material Hand. Ofc.	Good	Low	200 SF	<1% Chrysotile
020-01JC	Joint compound	Ingot Offices	Good	Low	thru-out	<1% Chrysotile
020-02JC	Joint compound	Ingot Offices	Good	Low	thru-out	<1% Chrysotile
020-03JC	Joint compound	Ingot Offices	Good	Low	thru-out	<1% Chrysotile

4.0 CONCLUSIONS AND RECOMMENDATIONS

Polychlorinated Biphenyls (PCBs)

Polychlorinated Biphenyls (PCBs) were found on all surface samples with the exception of the wood floor at column D65 and the concrete floor in the Dump Mold Storage area in Building 104, (other samples of the wood floor were positive for PCBs). PCBs were found in the bulk sample of the wood flooring in Building 112A and in the corrugated wall panels ("Galbestos"). In addition, PCBs were found on the textured tar-like paint found on columns and wall trusses in Building 104 and Buildings 108/106

Title 17 metals

There are currently no federal or state standards regarding surface contamination by metals with the exception of lead. Title 17, California Code of Regulations, Division 1, Chapter 8: Accreditation, Certification, and Work Practices for Lead-Based Paint and Lead Hazards, defines lead contaminated dust as dust that contains an amount of lead equal to, or in excess of, fifty micrograms per square foot (50 μg/ft2) for interior floor surfaces, two hundred and fifty micrograms per square foot (250 μg/ft2) for interior horizontal window surfaces, and eight hundred micrograms per square foot (800 μg/ft2) for exterior floor and exterior horizontal window surfaces. ***Twelve of the twenty-four surfaces exceeded 800 ug/ft^2 of lead dust.***

The U.S. Environmental Protection Agency published the Final Regulation 40 CFR Part 745, Lead; Identification of Dangerous Levels of Lead on January 5, 2001. The Regulation became effective on March 6, 2001. This regulation defines lead contaminated dust as dust that contains an amount of lead equal to, or in excess of forty micrograms per square foot (40 ug/ft^2) for interior floor surfaces. Both standards are applicable to residences and public buildings. There is currently no standard for industrial facilities, although a prudent standard would be to use the exterior floor standard for lead dust of 800 ug/ft^2 as an industrial guidance.

Antimony, arsenic, barium, beryllium, cadmium, cobalt, copper, lead, molybdenum, nickel, selenium, silver, vanadium, and zinc were detected in all of the surface samples taken. Mercury was detected in one sample collected at Column A1, in the northwest corner of Building 106.

Lead Sampling

Lead based paint was found on the following substrates:

- Metal building structures of Building 104, Building 112A, and the Building comprised of 112, 110, 108, and 106. Metal building structures included:
    - Large vertical and horizontal I-beams
    - Roof support structure
    - Wall support structure (wall trusses)
    - Roll-up door frames
    - Sliding door frames (Bldg. 112/108/106)

Note: Metal roof decking could only be accessed in Building 112 where it was determined not to be lead-based paint.

- Corrugated metal wall panels on the high bay of Building 110 (exterior side).
- Ladders through-out the facility;
    - Exterior roof access ladders
    - Ladders across the saw-tooth roof areas
    - Interior ladders in all buildings
- Components painted with "safety yellow", including;
    - Safety posts through-out the facility
    - Bumpers through-out
    - Concrete loading dock wall (104)
    - Loading dock handrails
    - Safety stripes through-out
    - Stairs (104)
- Ingot Offices exterior components, including;
    - Cinder-block walls
    - Window sills
    - Flashing
    - Downspouts

-
- Other various components covered with lead-based paint as detailed in the LBP table are;
    - An interior door and doorframe in Building 110
    - Fire sprinkler pipe risers
    - Gas pipe risers
    - Compressed air pipe riser
    - Crane #13 in Building 104 (most cranes at the facility were not accessible)
    - An electric panel support and ladder in 112A
    - Roof flashing between 104 and 106

Paint condition varied from intact to poor. The following table summarizes LBP found in poor condition.

Lead-based Paint in Poor Condition

Building	Area	Component	Substrate	Color	Cond.
104	Exterior	Railing	Wood	Yellow	Poor
104	Exterior	Stairs	Concrete	Yellow	Poor
104	Exterior	W railing support	Metal	Yellow	Poor
104	Exterior	Wall footing @ loading dock	Concrete	Yellow	Poor
104	Main Area	Safety stripe	Concrete	Yellow	Poor
104	Main Area	Vert. I-Beam	Metal	White	Poor
104	Main Area	Vert. I-Beam	Metal	Red	Poor
104	Main Area	Wall truss	Metal	Gray	Poor
104	North bathroom	Doorframe	Wood	White	Poor
104	North bathroom	Wall panel	Metal	White	Poor
112/110/108/106	Main Area	Ladder	Metal	Gray	Poor
112/110/108/106	Main Area	Ladder (older)	Metal	Yellow	Poor
112A	Main Area	Elec. Panel ladder	Metal	Yellow	Poor
112A	Main Area	Roll-up frame	Metal	Gray	Poor
112A	Main Area	Safety stripe	Concrete	Yellow	Poor
112A/112/110/108/106	Exterior	Door 3 bumper	Metal	Yellow	Poor
112A/112/110/108/106	Exterior	Roof ladder	Metal	Yellow	Poor
112A/112/110/108/106	Exterior	Wall truss	Metal	Beige	Poor

It is recommended that all loose and chipping paint be stabilized prior to demolition or remodeling activities. In addition, California regulations (8 CCR 1532.1) define lead-related construction work as, "Construction, alteration, painting, demolition, salvage, renovation, repair, or maintenance of any residential, public or commercial building, including preparation and clean-up, that, by using or disturbing lead containing material or soil, may result in significant exposure of individuals to lead". As such, Cal/OSHA does not distinguish between lead-based and paint, which contains lead at a lower concentration. The presence of lead ***at any level*** requires that exposure assessments be conducted and the provisions of 8 CCR 1532.1 be followed, including, but not limited to training, CalOSHA notification, and personal protective equipment. **Please refer to the complete lead testing table located in the appendices for the lead levels of all paints tested.**

Aurora recommends that all surfaces covered with lead-based paint in poor condition be stabilized and related paint chips be cleaned up by a lead removal contractor utilizing certified supervisors and certified workers as per Title 17, California Code of Regulations, Division 1, Chapter 8 Accreditation, Certification and Work Practices in Lead-related Construction.

Waste Handling and Disposal

Construction debris and the remaining paint waste may qualify as hazardous waste and should be tested and disposed of as follows:

A composite sample should be analyzed for Total Threshold Limit Concentration (TTLC) by USEPA reference method SW846. If the concentration of lead is greater than 350 mg/kg the sample must be disposed of as hazardous waste. If the concentration is less than 50 mg/kg the sample may be disposed of as construction debris, if it is to remain in California. If the result falls between 50 mg/kg and 350 mg/kg, the sample must be further analyzed by the Waste Extraction Test (WET) for Soluble Threshold Limit Concentration (STLC) as described in 22 CCR 66261.24a. If this concentration exceeds 5 mg/liter the sample must be treated as hazardous waste.

All lead-containing paint which may be disposed of outside the State of California must be tested for Toxicity Characteristic Leaching Procedure (TCLP) regardless of whether it is essentially intact. The sample may be a composite of the paint and the substrate if the paint is intact. Any material with results exceeding 5 mg/l must be treated as hazardous waste.

Asbestos Sampling

Asbestos Containing Materials (ACM = 1% or greater asbestos)

The following materials (with amounts) were found to contain greater than 1% asbestos;

- Vinyl floor tile and floor tile mastic;
  - 112A Material Handling Office (storage room) — 200 SF
  - 112A Locker room — 900 SF (multi-layered)
  - Ingot Offices (mastic) — 2500 SF

- HVAC seam sealant;
  - Ingot Offices roof — 100 SF

- Textured Tar-like paint (also contains PCB's);
  - Building 104 interior on columns (Columns C20-22, C1, B1, A1-18) — 22 I-beam columns/trusses (approximately 6080 SF)
  - Building 108/106 interior on columns/trusses (South wall of 108/106) — 13 I-beam columns/8 wall trusses (approximately 4000 SF)

- Corrugated wall panels (single layer, "Galbestos"; contains PCB's);
  - Building 112A, 83,000 SF
  - 112/110/108/106 6,400 SF
  - 104 26,000 SF

- Roofing materials;
  - Building 112A roofing 329,240 SF
  - Building 112/110/108/106 roofing 269,280 SF
  - Roofing mastic on all roofs Throughout
  - ACM debris on the roof of Building 104 Spread out over 79,000 SF

The following table summarizes ACM in damaged or significantly damaged condition;

ACM in Damaged or Significantly Damaged Condition

Description	Location	Condition	Damage Potential
Black VFT (bottom layer)	112A Locker Room	Damaged	Medium
Floor tile mastic (bottom layer)	112A Locker Room	Damaged	Medium
9x9 green VFT w/mastic	112A Material Hand. Ofc.	Damaged	Medium
Loose debris	104 Roof	Significantly Damaged	High

Asbestos containing building materials is defined by the Environmental Protection Agency (EPA) as containing asbestos in an amount greater than 1%. A property owner has the responsibility for ensuring that occupants are informed and that the asbestos containing material is maintained in good condition. Custodial or maintenance staff must be trained regarding proper handling of the material as part of an ongoing operations and maintenance operation. Prior to demolition or remodeling activities, asbestos containing building materials which may be damaged and become friable must be removed from the building by a licensed asbestos removal contractor and transferred to a waste facility that will accept asbestos waste. A California certified asbestos removal contractor should be utilized for the removal work and proper removal methodology as outlined in South Coast AQMD, Rule 1403, CalOSHA 8CCR1529, and all other applicable federal, state, and local regulations regarding the removal, transport and disposal of ACM should be applied.

Aurora recommends that ACM materials in damaged or significantly damaged condition be repaired or removed as soon as possible by a California Certified asbestos removal contractor.

Asbestos Containing Construction Materials (ACCM = <1% asbestos)

The following materials were found to contain less than 1% asbestos;

- Vinyl floor tile (white) with mastic
  - 112A Material Handling Office (front office), bottom layer

- Joint compound
  - Ingot Offices

Materials that contain less than 1% asbestos are not regulated under EPA regulations. In the State of California, the CalOSHA has determined that building materials containing asbestos at "trace" levels can still pose a health risk. CalOSHA has very stringent requirements regarding asbestos containing building materials (defined as >0.1%) and it is a property owner's overall responsibility to ensure that all work involving the disturbance or removal of asbestos is conducted in such a manner as to ensure that employees and occupants are not exposed. The use of a registered asbestos removal contractor is required when removing more than 100 square feet of asbestos containing construction material (>0.1%).

5.0 SAMPLING SUMMARY TABLES

Complete Lead Sampling Data Table

Building	Area	Location	Component	Substrate	Color	Condition	Pb	Rep
Ingot Offices	Exterior	D	Door	Metal	Brown	Intact	0	
Ingot Offices	Exterior	D	Doorframe	Metal	Brown	Intact	0.17	
Ingot Offices	Exterior	A	Downspout	Metal	Brown	Intact	1.8	2
Ingot Offices	Exterior	D	Flashing	Metal	Brown	Intact	1.4	2 sides
Ingot Offices	Exterior	A	Ladder	Metal	Yellow	Fair	2.2	1
Ingot Offices	Exterior	A	Safety posts	Metal	Yellow	Fair	3.4	12
Ingot Offices	Exterior	D	Safety stripe	Concrete	Yellow	Fair	24	thru-out
Ingot Offices	Exterior	A	Wall (cinder block)	Concrete	Tan	Intact	1.6	thru-out
Ingot Offices	Exterior	A	Window Sill	Concrete	Brown	Intact	1.8	7
Ingot Offices	Interior	A	Door	Wood	White	Intact	0	
Ingot Offices	Interior	A	Doorframe	Metal	Brown	Intact	0.03	
Ingot Offices	Interior	C	Wall	Concrete	White	Intact	0.03	
Ingot Offices	Interior	C	Wall	Drywall	White	Intact	0	
112A/112/110/108/106	Exterior	C	Comp. air riser	Metal	Lt. Blue	Intact	2.8	1
112A/112/110/108/106	Exterior	B	Door	Metal	Blue	Fair	0	
112A/112/110/108/106	Exterior	C	Door 3 bumper	Metal	Yellow	Poor	2.6	4
112A/112/110/108/106	Exterior	B	Doorframe	Metal	Blue	Fair	0.01	
112A/112/110/108/106	Exterior	D	Doorframe	Metal	Blue	Intact	0	
112A/112/110/108/106	Exterior	D	Double door	Metal	Blue	Intact	0	
112A/112/110/108/106	Exterior	D	Downspout	Metal	Beige	Fair	0.01	
112A/112/110/108/106	Exterior	C	Fire-sprinkler riser	Metal	Red	Fair	2.2	7
112A/112/110/108/106	Exterior	B	Handrail	Metal	Yellow	Intact	0	
112A/112/110/108/106	Exterior	B	Handrail bumper	Metal	Yellow	Fair	0.19	
112A/112/110/108/106	Exterior	n/a	High-bay wall panel	Metal	Beige	Intact	2	
112A/112/110/108/106	Exterior	D	Ladder	Metal	Yellow	Intact	5.1	5
112A/112/110/108/106	Exterior	D	Ramp	Concrete	Yellow	Poor	0	

Building	Area	Location	Component	Substrate	Color	Condition	Pb	Rep
112A/112/110/108/106	Exterior	A	Ramp guard	Metal	Yellow	Fair	13	2
112A/112/110/108/106	Exterior	B	Ramp wall	Concrete	Yellow	Fair	0.36	
112A/112/110/108/106	Exterior	C	Roll-up frame	Metal	Lt. Blue	Fair	0.01	
112A/112/110/108/106	Exterior	n/a	Roof fan	Metal	Beige	Intact	0.02	
112A/112/110/108/106	Exterior	n/a	Roof ladder	Metal	Yellow	Poor	1	thru-out
112A/112/110/108/106	Exterior	n/a	Roofing	Tar	Silver	Intact	0	
112A/112/110/108/106	Exterior	n/a	Roofing support beam	Metal	Silver	Fair	5.1	thru-out
112A/112/110/108/106	Exterior	D	RR track bumper	Metal	Yellow	Fair	0.8	thru-out
112A/112/110/108/106	Exterior	A	Sliding Door	Metal	Beige	Fair	0.02	
112A/112/110/108/106	Exterior	A	Sliding Doorframe	Metal	Beige	Fair	10	42
112A/112/110/108/106	Exterior	D	Stairs/entry	Metal	Yellow	Intact	0	
112A/112/110/108/106	Exterior	D	Stairs/entry	Metal	Blue	Intact	0	
112A/112/110/108/106	Exterior	D	Vent	Metal	Lt. Blue	Fair	0.15	
112A/112/110/108/106	Exterior	D	Wall footing	Concrete	Blue	Intact	0.32	
112A/112/110/108/106	Exterior	C	Wall footing	Concrete	Lt. Blue	Intact	0.29	
112A/112/110/108/106	Exterior	C	Wall footing	Concrete	Blue	Poor	0.14	
112A/112/110/108/106	Exterior	B	Wall footing	Concrete	Blue	Fair	0.11	
112A/112/110/108/106	Exterior	C	Wall panel	Metal	Lt. Blue	Fair	0.29	
112A/112/110/108/106	Exterior	A	Wall panel	Metal	Beige	Intact	0.05	
112A/112/110/108/106	Exterior	B	Wall panel	Metal	Beige	Intact	0.02	
112A/112/110/108/106	Exterior	D	Wall panel	Metal	Beige	Intact	0	
112A/112/110/108/106	Exterior	D	Wall panel	Metal	Beige	Intact	0	
112A/112/110/108/106	Exterior	D	Wall panel	Metal	Beige	Intact	0	
112A/112/110/108/106	Exterior	C	Wall panel	Metal	Beige	Intact	0	
112A/112/110/108/106	Exterior	B	Wall panel	Metal	Beige	Intact	0	
112A/112/110/108/106	Exterior	C	Wall panel	Metal	beige	Intact	0	
112A/112/110/108/106	Exterior	B	Wall panel	Metal	Beige	Intact	0	
112A/112/110/108/106	Exterior	D	Wall panel	Metal	Beige	Intact	0	
112A/112/110/108/106	Exterior	n/a	Wall panel (roof)	Metal	Beige	Intact	0.03	
112A/112/110/108/106	Exterior	D	Wall truss	Metal	Beige	Intact	10	thru-out
112A/112/110/108/106	Exterior	B	Wall truss	Metal	Beige	Poor	6.3	thru-out
112A/112/110/108/106	Exterior	D	Window frame	Metal	Beige	Intact	1.9	apprx. 700 sets

Building	Area	Location	Component	Substrate	Color	Condition	Pb	Rep
112A/112/110/108/106	Exterior	D	Window paint	Glass	Beige	Intact	0	
112A	Locker Room	D	Bathrm doorframe	Wood	White	Fair	0.01	
112A	Locker Room	C	Bathroom stall	Wood	White	Fair	0.08	
112A	Locker Room	A	Bathroom wall	Plaster	White	Poor	0.3	
112A	Locker Room	B	Door	Wood	Beige	Intact	0.2	
112A	Locker Room	B	Ladder	Metal	Silver	Intact	0.01	
112A	Locker Room	B	Wall	Wood	Brown	Fair	0.36	
112A	Locker Room	B	Wall	Stucco	White	Fair	0.3	
112A	Locker Room	A	Wall	Plaster	Beige	Poor	0.13	
112A	Locker Room	B	Window frame	Wood	White	Intact	0.25	
112A	Main Area	D	Elec. Panel ladder	Metal	Yellow	Poor	5.1	1
112A	Main Area	D	Elec. Panel platform	Metal	Gray	Fair	5.1	1
112A	Main Area	n/a	Hort. I-beam	Metal	Gray	Fair	15	3
112A	Main Area	n/a	Hort. I-beam	Metal	White	Intact	13	4
112A	Main Area	C	Ladder	Metal	Gray	Fair	0.7	6
112A	Main Area	B	Large I-beam	Metal	White	Intact	17	apprx. 150
112A	Main Area	D	Large I-beam	Metal	Silver	Fair	12	apprx. 150
112A	Main Area	B	Loading dock fence	Metal	Yellow	Fair	1.8	3
112A	Main Area	B	Pipe riser	Metal	White	Intact	0	
112A	Main Area	B	Roll-up door	Metal	Gray	Fair	0.05	
112A	Main Area	B	Roll-up frame	Metal	Gray	Poor	2.9	4
112A	Main Area	A	Roll-up frame	Metal	Blue	Fair	0.01	
112A	Main Area	n/a	Roof support	Metal	Silver	Intact	24	thru-out
112A	Main Area	D	Safety bumper	Metal	Yellow	Intact	6.2	3
112A	Main Area	n/a	Safety posts	Metal	Yellow	Fair	7.3	apprx. 60
112A	Main Area	n/a	Safety stripe	Concrete	Yellow	Poor	11	thru-out
112A	Main Area	n/a	Vert. I-Beam	Metal	Gray	Fair	3.3	15
112A	Main Area	B	Wall footing	Concrete	White	Intact	0.03	
112A	Main Area	B	Wall panel	Metal	White	Intact	0.05	
112A	Main Area	D	Wall panel	Metal	Silver	Fair	0.03	
112A	Main Area	A	Wall panel	Metal	Silver	Fair	0.03	
112A	Main Area	C	Wall panel	Metal	Silver	Fair	0.006	
112A	Main Area	B	Wall truss	Metal	White	Intact	23	thru-out

Building	Area	Location	Component	Substrate	Color	Condition	Pb	Rep
112A	Materials Handling Ofcs	A	Chair rail	Wood	White	Intact	0.12	
112A	Materials Handling Ofcs	A	Door	Wood	Brown	Fair	0	
112A	Materials Handling Ofcs	A	Doorframe	Wood	Brown	Fair	0.2	
112A	Materials Handling Ofcs	A	Walls/ceiling	Plaster	White	Intact	0.3	
112A	Materials Handling Ofcs	C	Window frame	Wood	Gray	Fair	0	
112A	Security Ofc	D	Door	Metal	Blue	Intact	0	
112A	Security Ofc	D	Doorframe	Metal	Blue	Intact	0	
112A	Security Ofc	B	Doorframe	Metal	Blue	Intact	0	
112A	Security Ofc	B	Double door	Metal	Blue	Intact	0	
112A	Security Ofc	A	Wall	Drywall	White	Intact	0.04	
112A	Security Ofc	D	Wall	Wood	White	Intact	0	
112/110/108/106	110	C	Door	Wood	White	Intact	1.6	1
112/110/108/106	110	C	Doorframe	Wood	White	Intact	6.5	1
112/110/108/106	110	n/a	EQ pad	Concrete	Blue	Poor	0.05	
112/110/108/106	110	n/a	Floor	Concrete	Gray	Poor	0.01	
112/110/108/106	106 - Men's Restroom	n/a	Ceramic tile floor	Tile	Tan	Intact	0	
112/110/108/106	106 - Men's Restroom	B	Ceramic tile wall	Tile	Beige	Intact	25	300 SF
112/110/108/106	106 - Men's Restroom	B	Door	Wood	White	Intact	0	
112/110/108/106	106 - Men's Restroom	B	Doorframe	Metal	White	Fair	0.01	
112/110/108/106	106 - Men's Restroom	D	Wall	Stucco	White	Intact	0	
112/110/108/106	106 - Men's Restroom	D	Wall	Plaster	White	Intact	0	
112/110/108/106	106 - Men's Restroom	D	Window frame	Metal	White	Fair	0.11	
112/110/108/106	106 - Women's RR	n/a	Ceramic tile floor	Tile	Dk. Brown	Intact	0	
112/110/108/106	106 - Women's RR	D	Ceramic tile wall	Tile	Brown	Intact	0.1	

Building	Area	Location	Component	Substrate	Color	Condition	Pb	Rep
112/110/108/106	106 - Women's RR	A	Wall	Drywall	White	Intact	0	
112/110/108/106	112 - Men's RR	n/a	Ceramic tile floor	Tile	Tan	Intact	0.03	
112/110/108/106	112 - Men's RR	A	Ceramic tile wall	Tile	Berge	Intact	5.1	300 SF
112/110/108/106	112 - Men's RR	n/a	Stall panel	Metal	Gray	Poor	0.05	
112/110/108/106	112 - Men's RR	A	Walls/ceiling	Plaster	Gray	Intact	0.14	
112/110/108/106	112 - Women's RR	C	Window frame	Wood	Gray	Intact	0.2	
112/110/108/106	112 - Women's RR	n/a	Ceramic tile floor	Tile	Dk. Pink	Intact	0.11	
112/110/108/106	112 - Women's RR	C	Ceramic tile wall	Tile	Pink	Intact	5.1	280 SF
112/110/108/106	112 - Women's RR	B	Door	Wood	Gray	Intact	0.1	
112/110/108/106	112 - Women's RR	B	Doorframe	Wood	Gray	Intact	0	
112/110/108/106	112 - Women's RR	B	Walls/ceiling	Plaster	Gray	Intact	0.13	
112/110/108/106	112 - Women's RR	C	Window sash	Wood	Gray	Intact	0.06	
112/110/108/106	Main Area	B	Door	Metal	Blue	Intact	0.02	
112/110/108/106	Main Area	B	Doorframe	Metal	Blue	Intact	0	
112/110/108/106	Main Area	C	Elec. Panel	Metal	Blue	Poor	0.22	
112/110/108/106	Main Area	n/a	Equipment	Metal	Green	Poor	0.25	
112/110/108/106	Main Area	n/a	Hort. I-beam	Metal	Silver	Fair	5.1	7
112/110/108/106	Main Area	D	Ladder	Metal	Gray	Poor	5.1	1
112/110/108/106	Main Area	n/a	Ladder (newer)	Metal	Gray	Intact	0.04	
112/110/108/106	Main Area	n/a	Ladder (older)	Metal	Yellow	Poor	5.1	4
112/110/108/106	Main Area	B	Loading dock fence	Metal	Yellow	Intact	2.7	1
112/110/108/106	Main Area	C	Pipe riser	Metal	Gray	Intact	0.03	
112/110/108/106	Main Area	B	Roll-up frame	Metal	Gray	Fair	0	
112/110/108/106	Main Area	n/a	Roof decking	Metal	Brown	Poor	0.03	
112/110/108/106	Main Area	n/a	Roof support	Metal	Silver	Fair	5.1	thru-out
112/110/108/106	Main Area	A	Safety bumper	Metal	Yellow	Intact	5.1	1
112/110/108/106	Main Area	n/a	Safety posts	Metal	Yellow	Fair	5.1	apprx. 12
112/110/108/106	Main Area	D	Sliding Door	Metal	White	Poor	0.14	
112/110/108/106	Main Area	C	Storage unit (G26)	Metal	Beige	Intact	0.02	
112/110/108/106	Main Area	B	Vert. I-Beam	Metal	Silver	Intact	19	apprx. 120
112/110/108/106	Main Area	B	Wall	Metal	Gray	Intact	0.04	
112/110/108/106	Main Area	C	Wall	Stucco	White	Fair	0.01	
112/110/108/106	Main Area	A	Wall	Wood	White	Intact	0	

Building	Area	Location	Component	Substrate	Color	Condition	Pb	Rep
112/110/108/106	Main Area	B	Wall footing	Concrete	White	Poor	0.01	
112/110/108/106	Main Area	C	Wall panel	Metal	Lt. Gray	Intact	0.18	
112/110/108/106	Main Area	A	Wall panel	Metal	Gray	Poor	0.07	
112/110/108/106	Main Area	C	Wall panel	Metal	Gray	Poor	0.05	
112/110/108/106	Main Area	B	Wall panel	Metal	Silver	Poor	0.04	
112/110/108/106	Main Area	D	Wall panel	Metal	Gray	Poor	0.04	
112/110/108/106	Main Area	B	Wall truss	Metal	Silver	Intact	5.1	thru-out
112/110/108/106	Main Area	D	Window paint	Glass	Green	Poor	0.02	
112/110/108/106	Small bldg., north side	A	Wall	Stucco	White	Intact	0	
112	Main Area	n/a	8" hort. Pipeline	Metal	Gray	Fair	0.01	
112	Main Area	n/a	Roof support	Metal	Silver	Intact	5.1	thru-out
104	Exterior	B	Barrier columns	Metal	Yellow	Intact	6.4	25
104	Exterior	B	Barrier wall	Metal	Yellow	Intact	5.1	
104	Exterior	B	Doorframe	Wood	Yellow	Intact	1.4	6
104	Exterior	A	Doorframe	Metal	Blue	Intact	0	
104	Exterior	A	Double door	Metal	Blue	Intact	0	
104	Exterior	n/a	Exhaust stack	Metal	Red	Poor	0	
104	Exterior	n/a	Exhaust stack	Metal	Silver	Fair	0	
104	Exterior	D	Fire-sprinkler riser	Metal	Yellow	Fair	2.2	1
104	Exterior	A	Flashing	Metal	Gray	Fair	5.1	N side between bldgs.
104	Exterior	D	Gas pipe	Metal	Yellow	Intact	2	1
104	Exterior	B	ladder	Metal	Yellow	Intact	18	3
104	Exterior	B	Pipe	Metal	Red	Intact	0	
104	Exterior	A	Rail door	Metal	Blue	Intact	0	
104	Exterior	C	Railing	Wood	Yellow	Poor	2	30
104	Exterior	C	Roll-up frame	Stucco	Yellow	Fair	1.1	2
104	Exterior	n/a	Roof fan	Metal	Tan	Fair	0.5	
104	Exterior	n/a	Roof fan	Metal	Black	Poor	0.02	
104	Exterior	C	Stair rail	Metal	Yellow	Intact	7.9	1
104	Exterior	C	Stairs	Concrete	Yellow	Poor	2.1	1
104	Exterior	C	W railing support	Metal	Yellow	Poor	6	31

Building	Area	Location	Component	Substrate	Color	Condition	Pb	Rep
104	Exterior	B	Wall	Stucco	Gray	Intact	0	
104	Exterior	C	Wall barrier	Metal	Yellow	Fair	2.2	1
104	Exterior	B	Wall footing	Concrete	Blue	Fair	0.23	
104	Exterior	C	Wall footing	Concrete	Blue	Intact	0.19	
104	Exterior	B	Wall footing	Concrete	Gray	Fair	0	
104	Exterior	C	Wall footing w/safety paint	Concrete	Yellow	Poor	7.5	thru-out
104	Locker Room	D	Bathroom door	Wood	White	Fair	0.31	
104	Locker Room	n/a	Bench	Wood	Blue	Intact	0	
104	Locker Room	D	Doorframe	Wood	White	Intact	0.05	
104	Locker Room	B	Wall	Concrete	White	Poor	0.01	
104	Main Area	n/a	Crane	Metal	Yellow	Intact	0.04	
104	Main Area	n/a	Crane #13	Metal	Gold	Intact	5.1	1
104	Main Area	n/a	Crane #15	Metal	Yellow	Poor	0.1	
104	Main Area	B	Door	Wood	Brown	Intact	0	
104	Main Area	B	Doorframe	Metal	Yellow	Fair	8.4	1
104	Main Area	B	Doorframe	Metal	Brown	Intact	0.06	
104	Main Area	n/a	Floor	Concrete	Brown	Fair	0.11	
104	Main Area	n/a	Handrail	Metal	Beige	Fair	1.5	thru-out
104	Main Area	B	Hort. I-beam (large)	Metal	Brown	Intact	6.5	thru-out
104	Main Area	B	Ladder	Metal	Yellow	Fair	5.1	8
104	Main Area	B	Safety bumper	Metal	Yellow	Fair	5.1	thru-out
104	Main Area	n/a	Safety stripe	Concrete	Yellow	Poor	7.3	thru-out
104	Main Area	B	Vert. I-Beam	Metal	Gray	Intact	19	thru-out
104	Main Area	B	Vert. I-Beam	Metal	Yellow	Intact	8	thru-out
104	Main Area	B	Vert. I-Beam	Metal	White	Poor	7.6	thru-out
104	Main Area	D	Vert. I-Beam	Metal	Red	Poor	5.1	thru-out
104	Main Area	D	Wall	Metal	Brown	Poor	0.08	
104	Main Area	C	Wall	Metal	White	Fair	0.08	
104	Main Area	A	Wall	Metal	White	Fair	0.02	
104	Main Area	B	Wall	Concrete	White	Intact	0	
104	Main Area	B	Wall truss	Metal	Gray	Poor	18	thru-out
104	Main Area	B	Wall truss	Metal	Gold	Intact	5.1	thru-out
104	North bathroom	D	Door	Wood	White	Poor	0.1	

Building	Area	Location	Component	Substrate	Color	Condition	Pb	Rep
104	North bathroom	D	Doorframe	Wood	White	Poor	3.7	1
104	North bathroom	n/a	Floor	Concrete	gray	Poor	0.01	
104	North bathroom	n/a	Roof support	Metal	White	Intact	5.3	thru-out
104	North bathroom	B	Roof support	Metal	White	Intact	4.3	thru-out
104	North bathroom	D	Wall	Concrete	White	Poor	0.01	
104	North bathroom	A	Wall panel	Metal	White	Poor	2.9	thru-out
104	North bathroom	A	Water pipe	Metal	White	Fair	5.7	thru-out
104	North bathroom	B	Window frame	Metal	White	Fair	3.4	1
104	Office	B	Door	Metal	White	Poor	0	
104	Office	A	Doorframe	Metal	White	Fair	0.11	
104	Office	A	Doorframe	Metal	Blue	Intact	0.01	
104	Office	A	Double door	Metal	Blue	Intact	0	
104	Office	n/a	Floor	Concrete	Gray	Intact	0.1	
104	Office	B	Hort. I-beam	Metal	White	Intact	4.7	thru-out
104	Office	B	Roof support	Metal	White	Intact	2.6	thru-out
104	Office	A	Wall	Concrete	White	Intact	0	
104	Office	B	Window frame	Metal	Blue	Intact	0.02	

Complete Asbestos Sampling Data Table

Sample #	Description	Location	Condition	DP	Quantity	Result
001-01	12x12 black VFT w/mastic	112A Security Ofc	Good	Low	100 SF	None Detected
001-02	12x12 black VFT w/mastic	112A Security Ofc	Good	Low	100 SF	None Detected
001-03	12x12 black VFT w/mastic	112A Security Ofc	Good	Low	100 SF	None Detected
002-01	Cove base (wht) w/mastic	112A Security Ofc	Good	Low	50 LF	None Detected
002-02	Cove base (wht) w/mastic	112A Security Ofc	Good	Low	50 LF	None Detected
002-03	Cove base (wht) w/mastic	112A Security Ofc	Good	Low	50 LF	None Detected
003-01	Acoustic ceiling tile, 2x4	112A Security Ofc	Good	Low	100 SF	None Detected
004-01DW	Drywall	112A Security Ofc	Good	Low	thru-out	None Detected
004-01JC	Joint compound	112A Security Ofc	Good	Low	thru-out	None Detected
004-02DW	Drywall	112A Security Ofc	Good	Low	thru-out	None Detected
004-0JC2	Joint compound	112A Security Ofc	Good	Low	thru-out	None Detected

Sample #	Description	Location	Condition	DP	Quantity	Result
004-03DW	Drywall	112A Security Ofc	Good	Low	thru-out	None Detected
004-03JC	Joint compound	112A Security Ofc	Good	Low	thru-out	None Detected
005-01	12x12 brown VFT w/mastic	112A Locker Rm	Damaged	Medium	900 SF	None Detected
005-02	12x12 brown VFT w/mastic	112A Locker Rm	Damaged	Medium	900 SF	None Detected
005-03	12x12 brown VFT w/mastic	112A Locker Rm	Damaged	Medium	900 SF	None Detected
006-01FT	Black VFT (bottom layer)	112A Locker Rm	Damaged	Medium	900 SF	<1% Chrysotile
006-01M	Floor tile mastic (bottom layer)	112A Locker Rm	Damaged	Medium	900 SF	5% Chrysotile
006-02FT	Black VFT (bottom layer)	112A Locker Rm	Damaged	Medium	900 SF	2% Chrysotile
006-02M	Floor tile mastic (bottom layer)	112A Locker Rm	Damaged	Medium	900 SF	5% Chrysotile
006-03FT	Black VFT (bottom layer)	112A Locker Rm	Damaged	Medium	900 SF	2% Chrysotile
006-03M	Floor tile mastic (bottom layer)	112A Locker Rm	Damaged	Medium	900 SF	5% Chrysotile
007-01	Cove base (black)	112A Locker Rm	Good	Low	125 LF	None Detected
007-01M	Cove base mastic	112A Locker Rm	Good	Low	125 LF	None Detected
007-02	Cove base (black)	112A Locker Rm	Good	Low	125 LF	None Detected
007-02M	Cove base mastic	112A Locker Rm	Good	Low	125 LF	None Detected
007-03	Cove base (black)	112A Locker Rm	Good	Low	125 LF	None Detected
007-03M	Cove base mastic	112A Locker Rm	Good	Low	125 LF	None Detected
008-02	Acoustic ceiling tile, 2x4	112A Material Hand. Ofc.	Good	Low	200 SF	None Detected
008-03	Acoustic ceiling tile, 2x4	Ingot Offices	Good	Low	2500 SF	None Detected
008A-01	Acoustic ceiling tile, 2x4	112A Locker Rm	Good	Low	900 SF	None Detected
008A-02	Acoustic ceiling tile, 2x4	112A Locker Rm	Good	Low	900 SF	None Detected
008A-03	Acoustic ceiling tile, 2x4	112A Locker Rm	Good	Low	900 SF	None Detected
009-01	Stucco	112A Locker Rm	Damaged	Medium	thru-out	None Detected
009-02	Stucco	112A Locker Rm	Damaged	Medium	thru-out	None Detected
009-03	Stucco	112A Locker Rm	Damaged	Medium	thru-out	None Detected
010-01	Floor tar	112A Main area	Good	Low	thru-out	None Detected
011-01	Moisture barrier, wood floor	112A Main area	Good	Low	thru-out	None Detected
011-02	Moisture barrier, wood floor	112A Main area	Good	Low	thru-out	None Detected
011-03	Moisture barrier, wood floor	112A Main area	Good	Low	thru-out	None Detected
012-01	12x12 green VFT w/mastic	112A Material Hand. Ofc.	Good	Low	60 SF	None Detected
012-02	12x12 green VFT w/mastic	112A Material Hand. Ofc.	Good	Low	60 SF	None Detected

Sample #	Description	Location	Condition	DP	Quantity	Result
012-03	12x12 green VFT w/mastic	112A Material Hand. Ofc.	Good	Low	60 SF	None Detected
013-01	12x12 black VFT w/mastic	112A Material Hand. Ofc.	Good	Low	140 SF	None Detected
013-02	12x12 black VFT w/mastic	112A Material Hand. Ofc.	Good	Low	140 SF	None Detected
013-03	12x12 black VFT w/mastic	112A Material Hand. Ofc.	Good	Low	140 SF	None Detected
014-01	White VFT w/mastic (bottom layer)	112A Material Hand. Ofc.	Good	Low	200 SF	<1% Chrysotile
014-02	White VFT w/mastic (bottom layer)	112A Material Hand. Ofc.	Good	Low	200 SF	<1% Chrysotile
014-03	White VFT w/mastic (bottom layer)	112A Material Hand. Ofc.	Good	Low	200 SF	<1% Chrysotile
015-01	9x9 green VFT w/mastic	112A Material Hand. Ofc.	Damaged	Medium	200 SF	3% Chrysotile
015-02	9x9 green VFT w/mastic	112A Material Hand. Ofc.	Damaged	Medium	200 SF	3% Chrysotile
015-03	9x9 green VFT w/mastic	112A Material Hand. Ofc.	Damaged	Medium	200 SF	3% Chrysotile
016-01	Cove base (brown)	112A Material Hand. Ofc.	Good	Low	40 LF	None Detected
016-01	Cove base mastic	112A Material Hand. Ofc.	Good	Low	40 LF	None Detected
016-02	Cove base (brown)	112A Material Hand. Ofc.	Good	Low	40 LF	None Detected
016-02	Cove base mastic	112A Material Hand. Ofc.	Good	Low	40 LF	None Detected
016-03	Cove base (brown)	112A Material Hand. Ofc.	Good	Low	40 LF	None Detected
016-03	Cove base mastic	112A Material Hand. Ofc.	Good	Low	40 LF	None Detected
017-01	Window putty	Men's RR @ D21	Damaged	Medium	thru-out	None Detected
017-02	Window putty	106	Damaged	Medium	thru-out	None Detected
017-03	Window putty	106	Damaged	Medium	thru-out	None Detected
018-01	12x12 Gray VFT w/mastic	Ingot Offices	Good	Low	2500 SF	None Detected
018-02	12x12 Gray VFT w/mastic	Ingot Offices	Good	Low	2500 SF	None Detected
018-03	12x12x Gray VFT	Ingot Offices	Good	Low	2500 SF	None Detected
018-03	VFT mastic	Ingot Offices	Good	Low	2500 SF	4% Chrysotile
019-01	Cove base (gray)	Ingot Offices	Good	Low	450 LF	None Detected
019-01M	Cove base mastic	Ingot Offices	Good	Low	450 LF	None Detected
019-01L	Leveling compound	Ingot Offices	Good	Low	450 LF	None Detected
019-02	Cove base (gray)	Ingot Offices	Good	Low	450 LF	None Detected
019-02M	Cove base mastic	Ingot Offices	Good	Low	450 LF	None Detected
019-02L	Leveling compound	Ingot Offices	Good	Low	450 LF	None Detected
019-03	Cove base (gray)	Ingot Offices	Good	Low	450 LF	None Detected
019-03M	Cove base mastic	Ingot Offices	Good	Low	450 LF	None Detected

Sample #	Description	Location	Condition	DP	Quantity	Result
020-01DW	Drywall	Ingot Offices	Good	Low	thru-out	None Detected
020-01JC	Joint compound	Ingot Offices	Good	Low	thru-out	<1% Chrysotile
020-02DW	Drywall	Ingot Offices	Good	Low	thru-out	None Detected
020-02JC	Joint compound	Ingot Offices	Good	Low	thru-out	<1% Chrysotile
020-03DW	Drywall	Ingot Offices	Good	Low	thru-out	None Detected
020-03JC	Joint compound	Ingot Offices	Good	Low	thru-out	<1% Chrysotile
021-01	Corrugated wall panel (interior side)	112A Main area	Good	Low	75260 SF	35% Chrysotile
021-02	Corrugated wall panel (interior side)	112A Main area	Good	Low	75260 SF	35% Chrysotile
021-03	Corrugated wall panel (interior side)	112A Main area	Good	Low	75260 SF	35% Chrysotile
022-01	Corrugated wall panel (interior side)	112/110/108/106	Good	Low	6400 SF	35% Chrysotile
022-02	Corrugated wall panel (interior side)	112/110/108/106	Good	Low	6400 SF	35% Chrysotile
022-03	Corrugated wall panel (interior side)	112/110/108/106	Good	Low	6400 SF	35% Chrysotile
023-01	Roofing Mastic	112A Roof	Good	Low	thru-out	10% Chrysotile
023-02	Roofing Mastic	112A Roof	Good	Low	thru-out	10% Chrysotile
023-03	Roofing Mastic	112A Roof	Good	Low	thru-out	10% Chrysotile
024-01	Roofing Composite	112A Roof	Good	Low	350000 SF	15% Chrysotile
024-02	Roofing Composite	112A Roof	Good	Low	350000 SF	5% Chrysotile
024-03	Roofing Composite	112A Roof	Good	Low	350000 SF	5% Chrysotile
025-01	Roofing Composite	112/110/108/106 Roof	Good	Low	230000 SF	15% Chrysotile
025-02	Roofing Composite	112/110/108/106 Roof	Good	Low	230000 SF	10% Chrysotile
025-03	Roofing Composite	112/110/108/106 Roof	Good	Low	230000 SF	3% Chrysotile
026-01	Roofing Mastic	112/110/108/106 Roof	Good	Low	thru-out	10% Chrysotile
026-02	Roofing Mastic	112/110/108/106 Roof	Good	Low	thru-out	10% Chrysotile
026-02	Roofing Mastic	112/110/108/106 Roof	Good	Low	thru-out	20% Chrysotile
026-03	Roofing Mastic	112/110/108/106 Roof	Good	Low	thru-out	10% Chrysotile
027-01	Window putty (saw-tooth exterior)	112/110/108/106 Roof	Damaged	Medium	thru-out	None Detected
027-02	Window putty (saw-tooth exterior)	112/110/108/106 Roof	Damaged	Medium	thru-out	None Detected
027-03	Window putty (saw-tooth	112/110/108/106 Roof	Damaged	Medium	thru-out	None Detected

Sample #	Description	Location	Condition	DP	Quantity	Result
	exterior)					
028-01	Roofing Mastic	104 Roof	Good	Low	thru-out	10% Chrysotile
028-02	Roofing Mastic	104 Roof	Good	Low	thru-out	10% Chrysotile
028-03	Roofing Mastic	104 Roof	Good	Low	thru-out	10% Chrysotile
029-01	Roofing Composite	104 Roof	Good	Low	thru-out	None Detected
029-02	Roofing Composite	104 Roof	Good	Low	thru-out	None Detected
029-03	Roofing Composite	104 Roof	Good	Low	thru-out	None Detected
030-01	Exhaust stack mastic	104 Roof	Good	Low	thru-out	None Detected
030-02	Exhaust stack mastic	104 Roof	Good	Low	thru-out	None Detected
030-03	Exhaust stack mastic	104 Roof	Good	Low	thru-out	None Detected
031-01	Loose debris	104 Roof	Significantly Damaged	High	thru-out roof (79000 SF)	35% Chrysotile
031-02	Loose debris	104 Roof	Significantly Damaged	High	thru-out roof	10% Chrysotile
031-03	Loose debris	104 Roof	Significantly Damaged	High	thru-out roof	35% Chrysotile
032-01	Corrugated wall panel (exterior side)	Exterior; 112A East	Good	Low	thru-out	None Detected
032-02	Corrugated wall panel (exterior side)	Exterior; 106 West	Good	Low	thru-out	None Detected
032-03	Corrugated wall panel (exterior side)	Exterior; 112 North	Good	Low	thru-out	None Detected
033-01	Corrugated wall panel (interior side)	104 East	Good	Low	26000 SF	10% Chrysotile
033-02	Corrugated wall panel (interior side)	104 West	Good	Low	26000 SF	10% Chrysotile
034-01	12x12 green VFT	104 Locker Rm Ofc	Good	Low	192 SF	None Detected
034-01	VFT mastic	104 Locker Rm Ofc	Good	Low	192 SF	None Detected
034-02	12x12 green VFT	104 Locker Rm Ofc	Good	Low	192 SF	None Detected
034-02	VFT mastic	104 Locker Rm Ofc	Good	Low	192 SF	None Detected
034-03	12x12 green VFT	104 Locker Rm Ofc	Good	Low	192 SF	None Detected
034-03	VFT mastic	104 Locker Rm Ofc	Good	Low	192 SF	None Detected
035-01	Acoustic ceiling tile, 2x4	104 Locker Rm Ofc	Good	Low	192 SF	None Detected
036-01	Cove base (green)	104 Locker Rm Ofc	Good	Low	52 LF	None Detected
036-01	Cove base mastic	104 Locker Rm Ofc	Good	Low	52 LF	None Detected
036-01	Cove base mastic	104 Locker Rm Ofc	Good	Low	52 LF	None Detected

Sample #	Description	Location	Condition	DP	Quantity	Result
036-02	Cove base (green)	104 Locker Rm Ofc	Good	Low	52 LF	None Detected
036-02	Cove base mastic	104 Locker Rm Ofc	Good	Low	52 LF	None Detected
036-02	Cove base mastic	104 Locker Rm Ofc	Good	Low	52 LF	None Detected
036-03	Cove base (green)	104 Locker Rm Ofc	Good	Low	52 LF	None Detected
036-03	Cove base mastic	104 Locker Rm Ofc	Good	Low	52 LF	None Detected
036-03	Cove base mastic	104 Locker Rm Ofc	Good	Low	52 LF	None Detected
037-01	12x12 blue VFT	104 Locker Room	Good	Low	1200 SF	None Detected
037-01	VFT mastic	104 Locker Room	Good	Low	1200 SF	None Detected
037-02	12x12 blue VFT	104 Locker Room	Good	Low	1200 SF	None Detected
037-02	VFT mastic	104 Locker Room	Good	Low	1200 SF	None Detected
037-03	12x12 blue VFT	104 Locker Room	Good	Low	1200 SF	None Detected
037-03	VFT mastic	104 Locker Room	Good	Low	1200 SF	None Detected
039-01	Window putty	104	Damaged	Medium	thru-out	None Detected
039-02	Window putty	104	Damaged	Medium	thru-out	None Detected
039-03	Window putty	104	Damaged	Medium	thru-out	None Detected
040-01	Textured paint	104 Columns	Good	Low	thru-out	2% Chrysotile
041-01	Corrugated wall panel (exterior side)	104 East	Good	Low	26000 SF	8% Chrysotile
042-01	Millboard insulation	104 @ C23	Good	Low	4 SF	None Detected
044-01	Roofing Composite	Ingot Offices Roof	Good	Low	2500 SF	None Detected
045-01	HVAC Sealant	Ingot Offices Roof	Good	Low	100 SF	7% Chrysotile
046-01	Textured paint	108/106	Good	Low		5% Chrysotile
046-02	Textured paint	108/106	Good	Low		10% Chrysotile
047-01	Floor tar	104	Good	Low		None Detected

6.0 PHOTOS

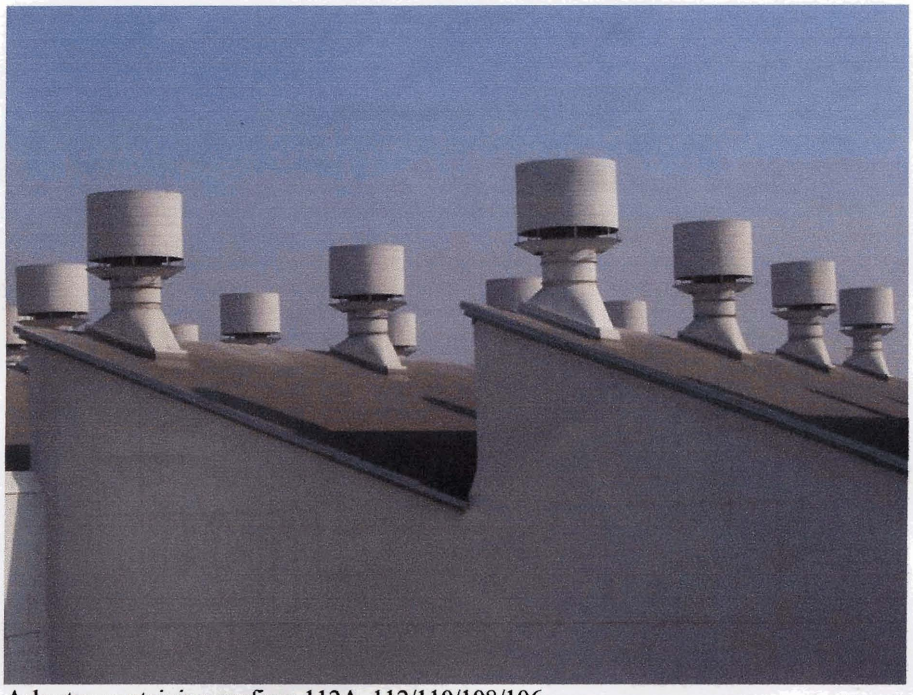
112A Locker Room flooring

112A Locker Room flooring

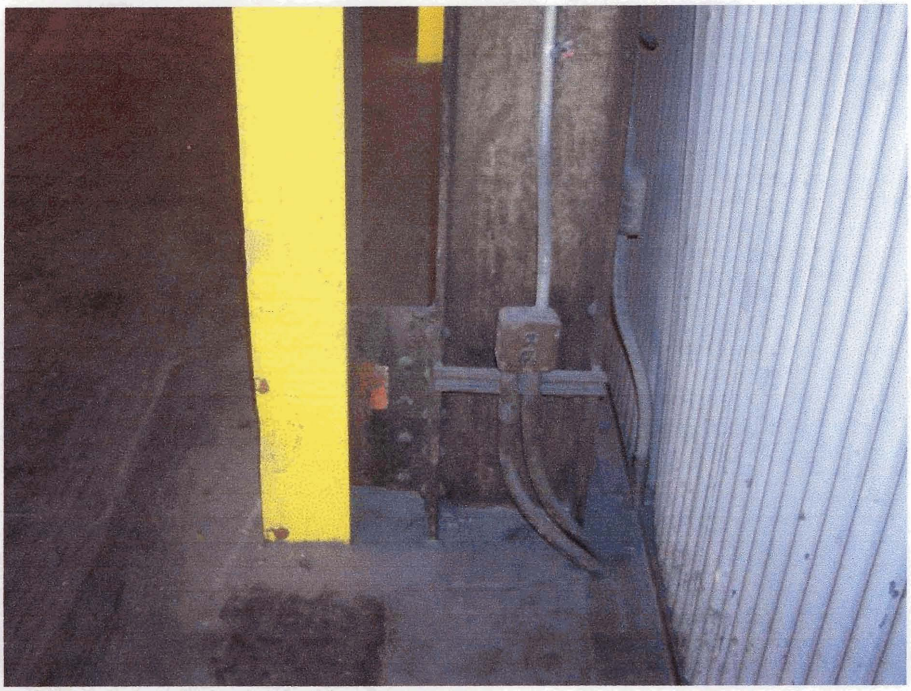
112A Materials Handling Office storage room flooring

Ingot Offices flooring

"Galbestos" corrugated wall panel



Asbestos-containing roofing; 112A, 112/110/108/106



104 Textured tar-like paint on I-beam

104; Loose debris on roof

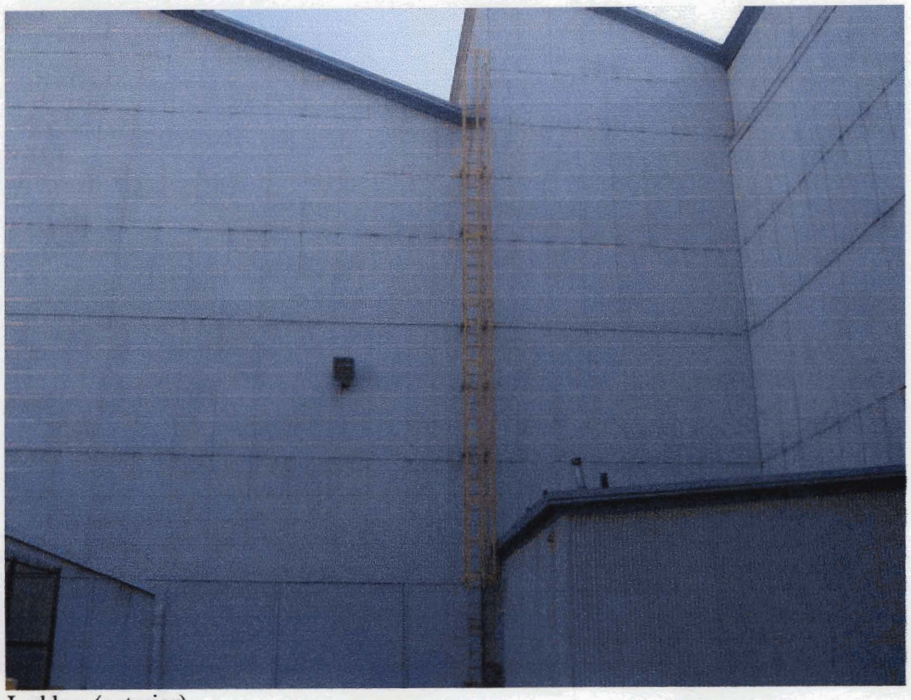
Ingot Offices; HVAC sealant (on roof)

Structural steel

Structural steel

Wall panels on the high bay of Building 110

Ladders (interior)



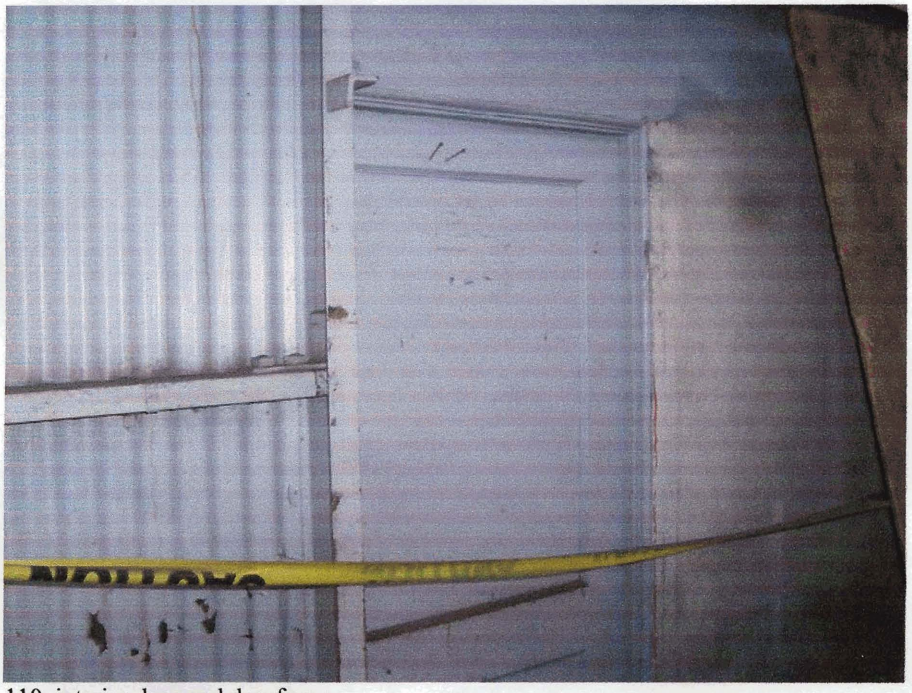
Ladders (exterior)

Safety bumper wall

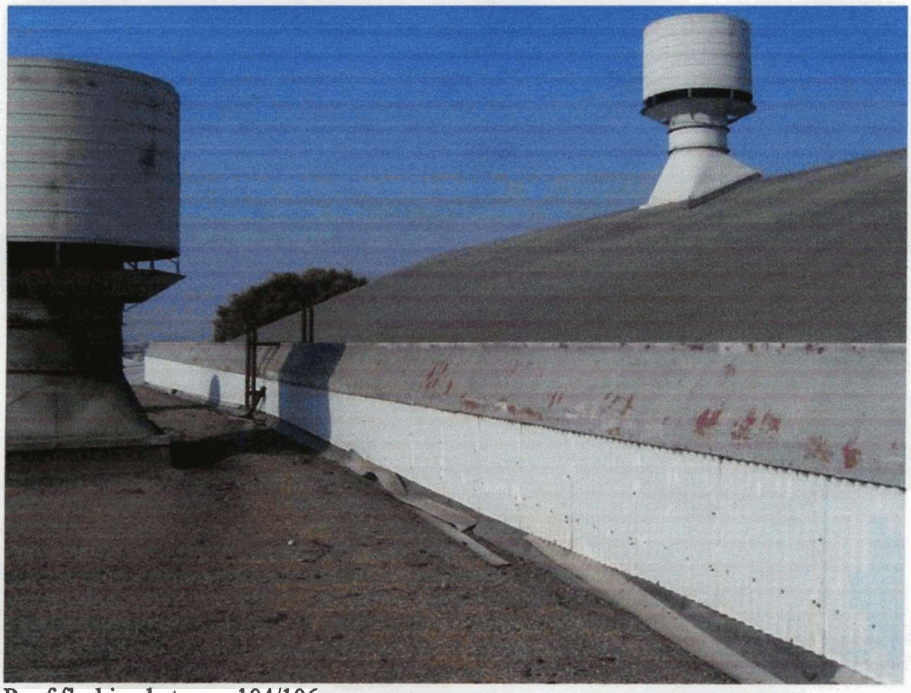
Safety posts/bumpers/stripes

104 Loading dock wall

Ingot Office exterior/safety posts


110; interior door and doorframe

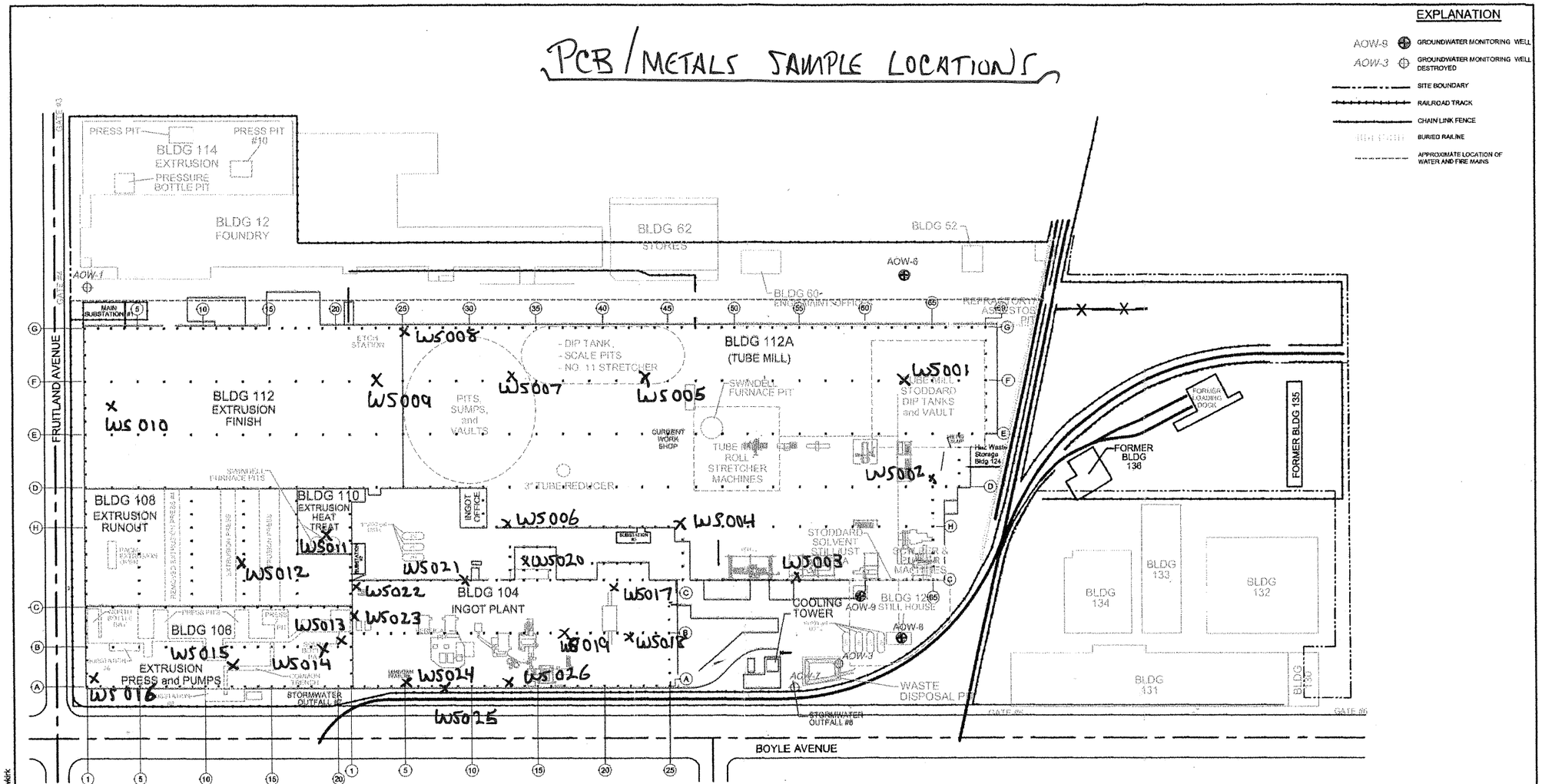
Sprinkler pipe risers



Roof flashing between 104/106

7.0 SAMPLE LOCATION PLANS

PCB / METALS SAMPLE LOCATIONS



BASEMAP MODIFIED FROM PECHINEY CAST PLATE, INC. SITE PLAN DATED 08 JAN 02, GERAGHTY & MILLER, INC. *GROUNDWATER ELEVATION AND VOLATILE ORGANIC COMPOUND CONCENTRATIONS DECEMBER 8, 1994* FIGURE DATED 2-2-95, ALUMINUM COMPANY OF AMERICA "WORKS GENERAL-MAP" FIGURE DATED 10-10-84, AND LOS ANGELES COUNTY ASSESSOR'S OFFICE PARCEL MAP 6310 / SHEET 8 DATED 11-5-58.

NOTE:

SITE BOUNDARY AND GROUNDWATER MONITORING WELL LOCATIONS ARE APPROXIMATE.

0 400 800
APPROXIMATE SCALE IN FEET

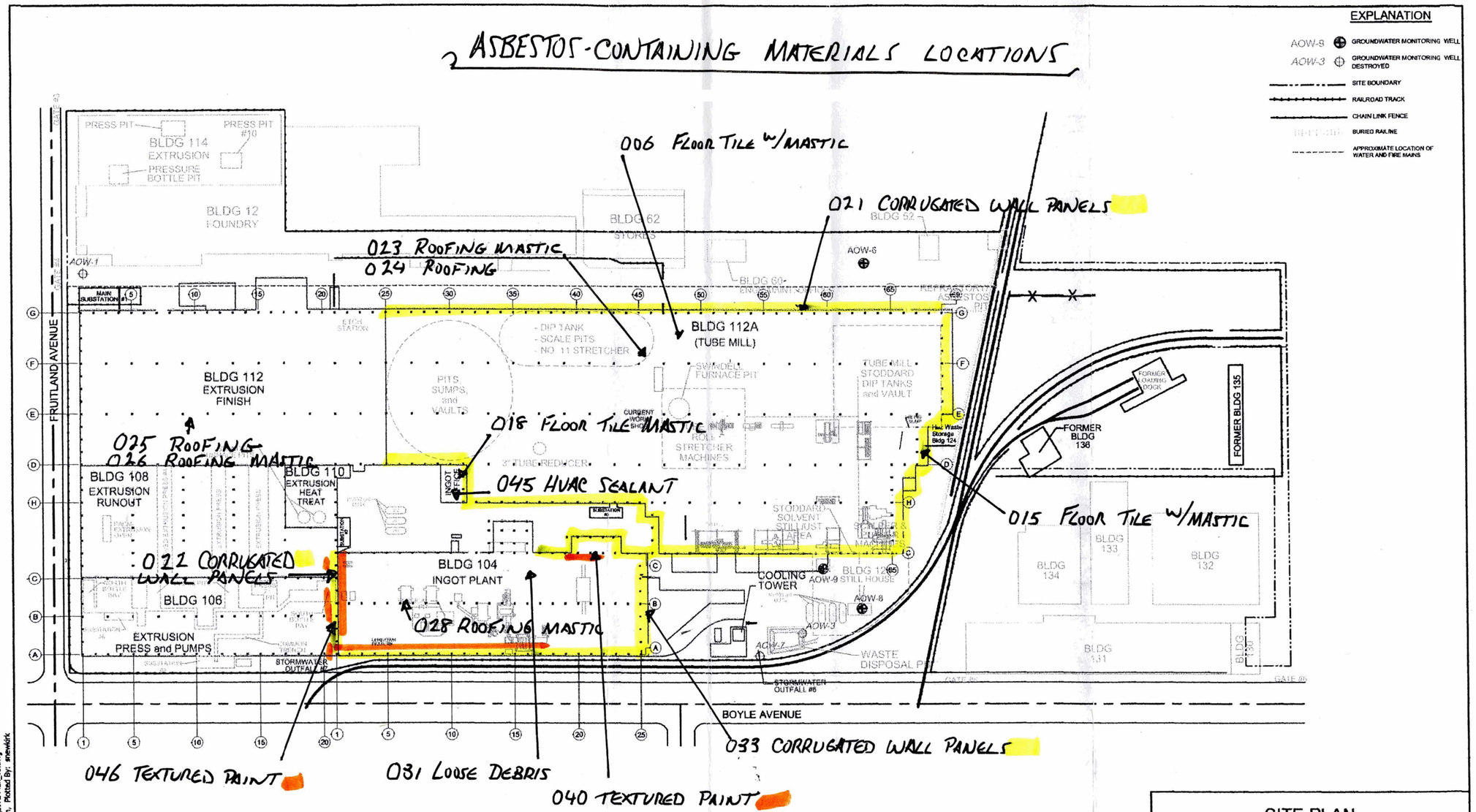
SITE PLAN

PECHINEY CAST PLATE
Vernon Facility
3200 Fruitland Avenue
Vernon, California

Figure By	Project No.	Figure
sbn	10627	2
Date 11/04/05		

Filepath: Y:\10627.000.0\acad\SITE Plan_v5.dwg
Plot Time: Dec 02, 2005 - 6:45pm, Plotted By: snewkirk

ASBESTOS-CONTAINING MATERIALS LOCATIONS



BASEMAP MODIFIED FROM PECHINEY CAST PLATE, INC. SITE PLAN DATED 08 JAN 02, GERAGHTY & MILLER, INC. "GROUNDWATER ELEVATION AND VOLATILE ORGANIC COMPOUND CONCENTRATIONS DECEMBER 8, 1994" FIGURE DATED 2-2-95, ALUMINUM COMPANY OF AMERICA "WORKS GENERAL-MAP" FIGURE DATED 10-10-84, AND LOS ANGELES COUNTY ASSESSOR'S OFFICE PARCEL MAP 6310 / SHEET 8 DATED 11-5-58.

NOTE:

SITE BOUNDARY AND GROUNDWATER MONITORING WELL LOCATIONS ARE APPROXIMATE.

0 400 800
APPROXIMATE SCALE IN FEET

SITE PLAN

PECHINEY CAST PLATE
Vernon Facility
3200 Fruitland Avenue
Vernon, California

Figure By	Project No.	Figure
sbn	10627	2
Date 11/04/05		

Filepath: Y:\10627.000.0\acad\SITE Plan_v5.dwg
Plot Time: Dec 02, 2005 - 6:45pm, Plotted By: snewkirk

8.0 LABORATORY REPORTS

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

Aurora Industrial Hygiene
3620 Long Beach Blvd. Suite C1
Long Beach, CA 90807-

Telephone (562)988-8993
Attn Grace Rinck

Number of Pages 14
Date Received 11/18/2005
Date Reported 11/29/2005

Job Number	Ordered	Client
27627	11/18/2005	AURORA

Project ID: 23973
Project Name:

Enclosed are the results of analyses on 30 samples analyzed as specified on attached chain of custody.

Amolk MOLKY Brar
Laboratory Manager

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:
1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# № 22285 GLOBAL ID _____ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 27627

Company: AURORA INDUSTRIAL HYGIENE		Report To:	ANALYSIS REQUESTED
Address: 3620 LONG BCH. BLVD.	Project Name: 23973	Address: AURORA	
SUITE C1, LONG BEACH	Site Address:	Invoice To: AURORA	
Telephone: Fax: 562 988-8993		Address:	
Special Instruction: U R wipe for PCBs only	Project ID:		
	Project Manager: GRACE RINCK	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	TITLE 17 METALS	PCB'S	Remarks
	159981	WS 001	11/16/05				GHOST WIPE		✓	✓	
	159982	WS 002							✓	✓	
	159983	WS 003							✓	✓	
	159984	WS 004							✓	✓	
	159985	WS 005							✓	✓	
	159986	WS 006							✓	✓	
	159987	WS 007							✓	✓	
	159988	WS 008							✓	✓	
	159989	WS 009							✓	✓	
	159990	WS 010							✓	✓	

Collected By: ROBERT RINCK	Date 11/16/05 Time	Relinquished By:	Date Time
Relinquished By:	Date 11/18/05 Time 3:20	Received For Laboratory Janet Chin	Date 11-18-05 Time 3:20
Condition of Sample:			

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# № 25549 GLOBAL ID _____ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 27627

Company: AURORA		Report To:	ANALYSIS REQUESTED
Address:	Project Name: 23973	Address:	
	Site Address:	Invoice To:	
Telephone: Fax: 562 988-8993		Address:	
Special Instruction: Use wipe for PCBs only	Project ID:		
	Project Manager:	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	TITLE 17 METALS	PCB's	Remarks
	159991	WS 011	11/16/05				GHOST WIPE		✓	✓	
	159992	WS 012							✓	✓	
	159993	WS 013							✓	✓	
	159994	WS 014							✓	✓	
	159995	WS 015							✓	✓	
	159996	WS 016							✓	✓	
	159997	WS 017							✓	✓	
	159998	WS 018							✓	✓	
	159999	WS 019							✓	✓	
	160000	WS 020							✓	✓	

Collected By: Robert Rinck	Date 11/16/05 Time	Relinquished By:	Date Time
Relinquished By: [signature]	Date 11/16/05 Time	Received For Laboratory Janet Chin	Date 11-18-05 Time 3:20
Condition of Sample:			

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# № 25548 GLOBAL ID _____ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 27627

Company:		Report To:	ANALYSIS REQUESTED
Address: AURORA	Project Name: 23973	Address:	
	Site Address:	Invoice To:	
Telephone: Fax: 562 988-8993		Address:	
Special Instruction: Use Wipe for PCBs only	Project ID:		
	Project Manager:	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	TITLE 17 METALS	PCB's	Pb	Remarks
	160001	WS021	11/16/05				GHOST WIPE		✓	✓		
	160002	WS022							✓	✓		
	160003	WS023							✓	✓		
	160004	WS024							✓	✓		
	160005	WS025							✓	✓		
	160006	WS026							✓	✓		
	160007	BK001					BULK			✓	✓	
	160008	BK002							✓	✓		
	160009	BK003							✓	✓		
	160010	BK004							✓	✓		

Collected By: ROBERT RINCK	Date 11/16/05 Time	Relinquished By:	Date Time
Relinquished By: [signature]	Date 11/16/05 Time	Received For Laboratory Janet Chin	Date 11-18-05 Time 3:20
Condition of Sample:			

TAT ☐ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

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ANALYTICAL RESULTS

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Attn: Grace Rinck

Page: 2
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27627	11/18/2005	AURORA

Method: 6010B, Lead (ICP)

Batch No:

Our Lab I.D.		**160007**				
Sample ID		BK 001				
Date Sampled		11/16/2005				
Date Extracted		11/23/2005				
Preparation Method						
Date Analyzed		11/23/2005				
Matrix		Solid				
Units		mg/Kg				
Detection Limit Multiplier		1				
Analytes	**PQL**	**Results**				
ICP Metals						
Lead	0.25	1200				

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Lead	102	80-120								

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Page: 3
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27627	11/18/2005	AURORA

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

Batch No:

Our Lab I.D.		**160008**	**160009**	**160010**		
Sample ID		BK 002	BK 003	BK 004		
Date Sampled		11/16/2005	11/16/2005	11/16/2005		
Date Extracted		11/22/2005	11/22/2005	11/22/2005		
Preparation Method						
Date Analyzed		11/23/2005	11/23/2005	11/23/2005		
Matrix		Solid	Solid	Solid		
Units		mg/Kg	mg/Kg	mg/Kg		
Detection Limit Multiplier		1	1	1		
Analytes	**PQL**	**Results**	**Results**	**Results**		
AA Metals						
Mercury	0.20	ND	ND	ND		
ICP Metals						
Antimony	0.50	ND	ND	ND		
Arsenic	0.25	ND	0.30	ND		
Barium	0.50	14.7	14.3	9.73		
Beryllium	0.50	ND	ND	ND		
Cadmium	0.50	ND	ND	ND		
Chromium	0.50	1.11	3.02	0.93		
Cobalt	0.50	ND	0.53	ND		
Copper	0.50	4.15	79.5	6.31		
Lead	0.25	4.96	13.6	14.5		
Molybdenum	0.50	ND	ND	ND		
Nickel	0.50	0.79	26.9	0.93		
Selenium	0.50	1.04	0.84	0.60		
Silver	0.50	ND	ND	ND		
Thallium	0.50	ND	ND	ND		
Vanadium	0.50	ND	ND	ND		
Zinc	0.50	68.4	95.8	23.4		

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								

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ANALYTICAL RESULTS

Page: 4
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27627	11/18/2005	AURORA

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	108	80-120								
ICP Metals										
Antimony	105	80-120								
Arsenic	97	80-120								
Barium	94	80-120								
Beryllium	95	80-120								
Cadmium	99	80-120								
Chromium	86	80-120								
Cobalt	100	80-120								
Copper	90	80-120								
Lead	100	80-120								
Molybdenum	99	80-120								
Nickel	101	80-120								
Selenium	96	80-120								
Silver	89	80-120								
Thallium	98	80-120								
Vanadium	88	80-120								
Zinc	100	80-120								

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Page: 5
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27627	11/18/2005	AURORA

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

Batch No:

Our Lab I.D.		**160009**				
Sample ID		BK 003				
Date Sampled		11/16/2005				
Date Extracted		11/22/2005				
Preparation Method						
Date Analyzed		11/22/2005				
Matrix		Solid				
Units		ug/kg				
Detection Limit Multiplier		2				
Analytes	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	66	ND				
Aroclor-1221 (PCB-1221)	134	ND				
Aroclor-1232 (PCB-1232)	66	ND				
Aroclor-1242 (PCB-1242)	66	ND				
Aroclor-1248 (PCB-1248)	66	ND				
Aroclor-1254 (PCB-1254)	66	ND				
Aroclor-1260 (PCB-1260)	66	522				

Comment(s):

160009: Aroclor-1262 detected with Aroclor-1260

Our Lab I.D.		**160009**				
Surrogates	**Con.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	91				

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aroclor-1260 (PCB-1260)	91	95	4.3	39-150	<30					

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Page: 6
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27627	11/18/2005	AURORA

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

Batch No:

Our Lab I.D.		**160008**				
Sample ID		BK 002				
Date Sampled		11/16/2005				
Date Extracted		11/22/2005				
Preparation Method						
Date Analyzed		11/22/2005				
Matrix		Solid				
Units		ug/kg				
Detection Limit Multiplier		3				
Analytes	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	99	ND				
Aroclor-1221 (PCB-1221)	201	ND				
Aroclor-1232 (PCB-1232)	99	ND				
Aroclor-1242 (PCB-1242)	99	ND				
Aroclor-1248 (PCB-1248)	99	ND				
Aroclor-1254 (PCB-1254)	99	ND				
Aroclor-1260 (PCB-1260)	99	181				

Comment(s):

160008:Aroclor-1262 detected with Aroclor-1260

Our Lab I.D.		**160008**				
Surrogates	**Con.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	108				

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aroclor-1260 (PCB-1260)	91	95	4.3	39-150	<30					

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Page: 7
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27627	11/18/2005	AURORA

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

Batch No:

Our Lab I.D.		**160010**				
Sample ID		BK 004				
Date Sampled		11/16/2005				
Date Extracted		11/22/2005				
Preparation Method						
Date Analyzed		11/22/2005				
Matrix		Solid				
Units		ug/kg				
Detection Limit Multiplier		5				
Analytes	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	165	ND				
Aroclor-1221 (PCB-1221)	335	ND				
Aroclor-1232 (PCB-1232)	165	ND				
Aroclor-1242 (PCB-1242)	165	ND				
Aroclor-1248 (PCB-1248)	165	ND				
Aroclor-1254 (PCB-1254)	165	ND				
Aroclor-1260 (PCB-1260)	165	1480				

Comment(s):

160010:Aroclor-1262 detected with Aroclor 1260

Our Lab I.D.		**160010**				
Surrogates	**Con.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	87				

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aroclor-1260 (PCB-1260)	91	95	4.3	39-150	<30					

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Page: 8
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27627	11/18/2005	AURORA

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

Batch No:

Our Lab I.D.		**160007**				
Sample ID		BK 001				
Date Sampled		11/16/2005				
Date Extracted		11/22/2005				
Preparation Method						
Date Analyzed		11/22/2005				
Matrix		Solid				
Units		ug/kg				
Detection Limit Multiplier		20				
Analytes	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	660	ND				
Aroclor-1221 (PCB-1221)	1340	ND				
Aroclor-1232 (PCB-1232)	660	ND				
Aroclor-1242 (PCB-1242)	660	ND				
Aroclor-1248 (PCB-1248)	660	ND				
Aroclor-1254 (PCB-1254)	660	14500				
Aroclor-1260 (PCB-1260)	660	ND				

Our Lab I.D.		**160007**				
Surrogates	**Con.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	93				

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aroclor-1260 (PCB-1260)	91	95	4.3	39-150	<30					

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Page: 9
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27627	11/18/2005	AURORA

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

Batch No:

Our Lab I.D.		**159981**	**159982**	**159983**	**159984**	**159985**
Sample ID		WS 001	WS 002	WS 003	WS 004	WS 005
Date Sampled		11/16/2005	11/16/2005	11/16/2005	11/16/2005	11/16/2005
Date Extracted		11/22/2005	11/22/2005	11/22/2005	11/22/2005	11/22/2005
Preparation Method						
Date Analyzed		11/22/2005	11/22/2005	11/22/2005	11/22/2005	11/22/2005
Matrix		Wipe	Wipe	Wipe	Wipe	Wipe
Units		ug/wipe	ug/wipe	ug/wipe	ug/wipe	ug/wipe
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	1.50	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	3.00	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	1.50	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	1.50	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	1.50	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	1.50	8.91	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	1.50	ND	ND	74.2	27.9	123

Comment(s):

159983;159984;159985:Aroclor-1262 detected with Aroclor-1260

Our Lab I.D.		**159981**	**159982**	**159983**	**159984**	**159985**
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	113	113	109	119	112

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aroclor-1260 (PCB-1260)	96	99	3.1	39-150						

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Page: 10
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27627	11/18/2005	AURORA

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

Batch No:

Our Lab I.D.		**159986**	**159987**	**159988**	**159989**	**159990**
Sample ID		WS 006	WS 007	WS 008	WS 009	WS 010
Date Sampled		11/16/2005	11/16/2005	11/16/2005	11/16/2005	11/16/2005
Date Extracted		11/22/2005	11/22/2005	11/22/2005	11/22/2005	11/22/2005
Preparation Method						
Date Analyzed		11/22/2005	11/22/2005	11/22/2005	11/22/2005	11/22/2005
Matrix		Wipe	Wipe	Wipe	Wipe	Wipe
Units		ug/wipe	ug/wipe	ug/wipe	ug/wipe	ug/wipe
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	1.50	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	3.00	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	1.50	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	1.50	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	1.50	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	1.50	ND	ND	ND	ND	2.43
Aroclor-1260 (PCB-1260)	1.50	150	17.3	27.3	109	ND

Comment(s):

159986-159989:Aroclor-1262 detected with Aroclor 1260

Our Lab I.D.		**159986**	**159987**	**159988**	**159989**	**159990**
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	104	123	100	118	102

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aroclor-1260 (PCB-1260)	96	99	3.1	39-150						

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Page: 11
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27627	11/18/2005	AURORA

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

Batch No:

Our Lab I.D.		159991	159992	159993	159994	159995
Sample ID		WS 011	WS 012	WS 013	WS 014	WS 015
Date Sampled		11/16/2005	11/16/2005	11/16/2005	11/16/2005	11/16/2005
Date Extracted		11/22/2005	11/22/2005	11/22/2005	11/22/2005	11/22/2005
Preparation Method						
Date Analyzed		11/22/2005	11/22/2005	11/22/2005	11/22/2005	11/22/2005
Matrix		Wipe	Wipe	Wipe	Wipe	Wipe
Units		ug/wipe	ug/wipe	ug/wipe	ug/wipe	ug/wipe
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	1.50	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	3.00	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	1.50	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	1.50	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	1.50	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	1.50	21.2	44.4	73.2	ND	36.6
Aroclor-1260 (PCB-1260)	1.50	ND	ND	ND	107	ND

Comment(s):

15994: Aroclor-1262 detected with Aroclor-1260

Our Lab I.D.		159991	159992	159993	159994	159995
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	104	100	100	116	109

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aroclor-1260 (PCB-1260)	96	99	3.1	39-150						

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Page: 12
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27627	11/18/2005	AURORA

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

Batch No:

Our Lab I.D.		**159996**	**159997**	**159998**	**159999**	**160000**
Sample ID		WS 016	WS 017	WS 018	WS 019	WS 020
Date Sampled		11/16/2005	11/16/2005	11/16/2005	11/16/2005	11/16/2005
Date Extracted		11/22/2005	11/22/2005	11/22/2005	11/22/2005	11/22/2005
Preparation Method						
Date Analyzed		11/22/2005	11/22/2005	11/22/2005	11/22/2005	11/22/2005
Matrix		Wipe	Wipe	Wipe	Wipe	Wipe
Units		ug/wipe	ug/wipe	ug/wipe	ug/wipe	ug/wipe
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	1.50	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	3.00	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	1.50	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	1.50	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	1.50	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	1.50	10.1	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	1.50	ND	10.9	5.97	9.63	ND

Comment(s):

159997-159999:Aroclor-1262 detected with Aroclor-1260

Our Lab I.D.		**159996**	**159997**	**159998**	**159999**	**160000**
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	101	100	115	118	101

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aroclor-1260 (PCB-1260)	96	99	3.1	39-150						

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Attn: Grace Rinck
Page: 13
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27627	11/18/2005	AURORA

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

Batch No:

Our Lab I.D.		**160001**	**160002**	**160003**	**160004**	**160005**
Sample ID		WS 021	WS 022	WS 023	WS 024	WS 025
Date Sampled		11/16/2005	11/16/2005	11/16/2005	11/16/2005	11/16/2005
Date Extracted		11/22/2005	11/22/2005	11/22/2005	11/22/2005	11/22/2005
Preparation Method						
Date Analyzed		11/22/2005	11/22/2005	11/22/2005	11/22/2005	11/22/2005
Matrix		Wipe	Wipe	Wipe	Wipe	Wipe
Units		ug/wipe	ug/wipe	ug/wipe	ug/wipe	ug/wipe
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	1.50	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	3.00	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	1.50	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	1.50	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	1.50	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	1.50	ND	ND	ND	3.90	14.1
Aroclor-1260 (PCB-1260)	1.50	2.47	4.57	3.00	ND	ND

Comment(s):

160001-160003:Aroclor-1262 detected with Aroclor-1260

Our Lab I.D.		**160001**	**160002**	**160003**	**160004**	**160005**
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	114	104	106	104	101

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aroclor-1260 (PCB-1260)	91	95	4.3	39-150						

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ANALYTICAL RESULTS

Ordered By

Aurora Industrial Hygiene
3620 Long Beach Blvd.
Suite C1
Long Beach, CA 90807-

Telephone: (562)988-8993
Attn: Grace Rinck

Page: 14
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27627	11/18/2005	AURORA

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

Batch No:

Our Lab I.D.		**160006**				
Sample ID		WS 026				
Date Sampled		11/16/2005				
Date Extracted		11/22/2005				
Preparation Method						
Date Analyzed		11/22/2005				
Matrix		Wipe				
Units		ug/wipe				
Detection Limit Multiplier		1				
Analytes	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	1.50	ND				
Aroclor-1221 (PCB-1221)	3.00	ND				
Aroclor-1232 (PCB-1232)	1.50	ND				
Aroclor-1242 (PCB-1242)	1.50	ND				
Aroclor-1248 (PCB-1248)	1.50	ND				
Aroclor-1254 (PCB-1254)	1.50	87.2				
Aroclor-1260 (PCB-1260)	1.50	ND				

Our Lab I.D.		**160006**				
Surrogates	**Con.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	111				

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aroclor-1260 (PCB-1260)	91	95	4.3	39-150						

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Ordered By

Aurora Industrial Hygiene
3620 Long Beach Blvd. Suite C1
Long Beach, CA 90807-

Telephone (562)988-8993
Attn Grace Rinck

Number of Pages 11
Date Received 11/29/2005
Date Reported 12/06/2005

Job Number	Ordered	Client
27684	11/29/2005	AURORA

Project ID: 23973
Project Name:
Site: 3200 Fruitland

Enclosed are the results of analyses on 24 samples analyzed as specified on attached chain of custody.

Amolk MOLKY Brar
Laboratory Manager

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:
1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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Environmental Testing Services
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COC# № 25552 GLOBAL ID _____ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 27684

Company: AURORA		Report To: AURORA	ANALYSIS REQUESTED
Address: 3620 LONG BCH. BLVD. CI	Project Name:	Address:	
	Site Address: 3200 FRUITLAND	Invoice To:	
Telephone: 562 988-8993 Fax: 562 988-0010		Address:	
Special Instruction:	Project ID: 23973		
	Project Manager:	P.O.#:	

TITLE 17 METALS

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation												Remarks
1	160292	WS 001A	11/23/05	AM			GHOST WIPE		X											
		001B							X											
2	160293	002A							X											
		002B							X											
3	160294	003A							X											
		003B							X											
4	160295	004A							X											
		004B							X											
5	160296	005A							X											
		005B							X											

Collected By: [signature]	Date 11/23/05	Time AM	Relinquished By: Date Time
Relinquished By: [signature]	Date 11/28/05	Time 1620	Received For Laboratory Janet Chin Date 11-29-05 Time 9:10
Condition of Sample:			

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

AMERICAN SCIENTIFIC LABORATORIES, LLC
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COC# № 25551 GLOBAL ID _____ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 27684

Company: AURORA		Report To:	ANALYSIS REQUESTED
Address:	Project Name:	Address:	
	Site Address:	Invoice To:	
Telephone: Fax:		Address:	
Special Instruction:	Project ID:		
	Project Manager:	P.O.#:	

TITLE 17 METALS

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	Remarks
6	160297	WS 006 A	11/23/05	AM			GHOST WIPE		
		006 B							
7	160298	007 A							
		007 B							
8	160299	008 A							
		008 B							
9	160300	009 A							
		009 B							
10	160301	010 A							
		010 B							

Collected By: [signature]	Date 11/23/05 Time AM	Relinquished By:	Date Time
Relinquished By: [signature]	Date 11/28/05 Time 1600	Received For Laboratory Janet Chin	Date 11-29-05 Time 9:10
Condition of Sample:			TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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COC# № 25553 GLOBAL ID _____ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 27684

Company: AURORA		Report To:	ANALYSIS REQUESTED
Address:	Project Name:	Address:	
	Site Address:	Invoice To:	
Telephone: Fax:		Address:	
Special Instruction:	Project ID: 23973		
	Project Manager:	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	TITLE 17 METALS	Remarks
11	160302	WS011 A	11/23/05	AM			GROUND WATER		X	
		011 B							X	
12	160303	012 A							X	
		012 B							X	
13	160304	013 A							X	
		013 B							X	
14	160305	014 A							X	
		014 B							X	
15	160306	015 A							X	
		015 B							X	

Collected By: [signature]	Date 11/23/05	Time AM	Relinquished By:	Date	Time
Relinquished By: [signature]	Date 11/23/05	Time 1600	Received For Laboratory Janet Chin	Date 11-29-05	Time 9:10
Condition of Sample:					TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

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COC# № 25554 GLOBAL ID _____ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 27684

Company: AURORA		Report To:	ANALYSIS REQUESTED
Address:	Project Name:	Address:	
	Site Address:	Invoice To:	
Telephone: Fax:		Address:	
Special Instruction:	Project ID: 23973		
	Project Manager:	P.O.#:	

TITLE 17 METALS

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation		Remarks
16	160307	WS 016 A	11/23/05	AM			GLOST WIDE		X	
		016 B							X	
17	160308	017 A							X	
		017 B							X	
18	160309	018 A							X	
		018 B							X	
19	160310	019 A							X	
		019 B							X	
20	160311	020 A							X	
		020 B							X	

Collected By: [signature]	Date 11/23/05 Time AM	Relinquished By:	Date Time
Relinquished By: [signature]	Date 11/28/05 Time 1600	Received For Laboratory Janet Chin	Date 11-29-05 Time 9:10
Condition of Sample:			

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

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COC# № 22286 GLOBAL ID _____ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 27684

Company: AURORA		Report To:	ANALYSIS REQUESTED
Address:	Project Name:	Address:	
	Site Address:	Invoice To:	
Telephone: Fax:		Address:	
Special Instruction: (NO 022 & 023)	Project ID: 23973		
	Project Manager:	P.O.#:	

TITLE 17 METALS

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation		Remarks
21	160312	WS 021 A	11/23/05	AM			GROUT WATER		X	
		021 B							X	
22	160313	024 A							X	
		024 B							X	
23	160314	025 A							X	
		025 B							X	
24	160315	026 A							X	
		026 B							X	

Collected By: [signature]	Date 11/23/05 Time AM	Relinquished By:	Date Time
Relinquished By: [signature]	Date 11/28/05 Time 1600	Received For Laboratory Janet Chin	Date 11-29-05 Time 9:10
Condition of Sample:			

TAT ☑ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Aurora Industrial Hygiene
3620 Long Beach Blvd.
Suite C1
Long Beach, CA 90807-

Telephone: (562)988-8993
Attn: Grace Rinck

Site

3200 Fruitland

Page: 2
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27684	11/29/2005	AURORA

Method: 6010B/7471A, CCR Title 22 Metals

Batch No:

Our Lab I.D.		160292	160293	160294	160295	160296
Sample ID		WS 001A,B	WS 002A,B	WS 003A,B	WS 004A,B	WS 005A,B
Date Sampled		11/23/2005	11/23/2005	11/23/2005	11/23/2005	11/23/2005
Date Extracted		11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005
Preparation Method						
Date Analyzed		12/01/2005	12/01/2005	12/01/2005	12/01/2005	12/01/2005
Matrix		Wipe	Wipe	Wipe	Wipe	Wipe
Units		ug/wipe	ug/wipe	ug/wipe	ug/wipe	ug/wipe
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.20	ND	ND	ND	ND	ND
ICP Metals						
Antimony	0.50	6.47	2.40	9.81	4.54	9.61
Arsenic	0.50	8.34	7.28	18.9	16.4	16.9
Barium	0.50	177	74.8	869	532	1118
Beryllium	0.50	ND	ND	0.99	0.60	0.85
Cadmium	0.50	1.99	0.80	5.42	3.40	7.25
Chromium	0.50	273	60.5	161	138	187
Cobalt	0.50	5.32	2.06	17.4	8.14	14.0
Copper	0.50	674	499	2000	1390	1490
Lead	0.25	1090	84.0	890	619	663
Molybdenum	0.50	5.91	2.98	16.0	9.25	18.6
Nickel	0.50	119	110	328	292	248
Selenium	0.50	3.53	2.42	2.96	0.79	1.51
Silver	0.50	ND	ND	4.39	ND	2.03
Thallium	0.50	ND	ND	ND	ND	ND
Vanadium	0.50	ND	ND	ND	ND	ND
Zinc	0.50	1630	921	5060	2350	4280

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								

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ANALYTICAL RESULTS

Page: 3
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27684	11/29/2005	AURORA

Method: 6010B/7471A, CCR Title 22 Metals

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	100	80-120								
ICP Metals										
Antimony	109	80-120								
Arsenic	99	80-120								
Barium	99	80-120								
Beryllium	99	80-120								
Cadmium	100	80-120								
Chromium	89	80-120								
Cobalt	102	80-120								
Copper	93	80-120								
Lead	102	80-120								
Molybdenum	101	80-120								
Nickel	102	80-120								
Selenium	97	80-120								
Silver	97	80-120								
Thallium	99	80-120								
Vanadium	95	80-120								
Zinc	104	80-120								

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ANALYTICAL RESULTS

Ordered By

Aurora Industrial Hygiene
3620 Long Beach Blvd.
Suite C1
Long Beach, CA 90807-

Telephone: (562)988-8993
Attn: Grace Rinck

Site

3200 Fruitland

Page: 4
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27684	11/29/2005	AURORA

Method: 6010B/7471A, CCR Title 22 Metals

Batch No:

Our Lab I.D.		160297	160298	160299	160300	160301
Sample ID		WS 006A,B	WS 007A,B	WS 008A,B	WS 009A,B	WS 010A,B
Date Sampled		11/23/2005	11/23/2005	11/23/2005	11/23/2005	11/23/2005
Date Extracted		11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005
Preparation Method						
Date Analyzed		12/01/2005	12/01/2005	12/01/2005	12/01/2005	12/01/2005
Matrix		Wipe	Wipe	Wipe	Wipe	Wipe
Units		ug/wipe	ug/wipe	ug/wipe	ug/wipe	ug/wipe
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.20	ND	ND	ND	ND	ND
ICP Metals						
Antimony	0.50	14.1	5.48	11.0	38.7	7.57
Arsenic	0.50	27.3	16.3	16.9	35.6	12.3
Barium	0.50	431	853	757	470	406
Beryllium	0.50	3.17	ND	ND	6.86	ND
Cadmium	0.50	22.1	4.12	13.0	61.7	11.6
Chromium	0.50	280	149	66.1	373	80.2
Cobalt	0.50	28.3	9.69	11.6	36.7	12.0
Copper	0.50	1780	949	418	3600	558
Lead	0.25	5700	375	1010	7240	632
Molybdenum	0.50	22.3	8.14	14.0	49.6	18.9
Nickel	0.50	164	79.1	65.8	286	72.4
Selenium	0.50	7.58	1.78	4.18	ND	2.95
Silver	0.50	11.6	0.92	1.00	3.09	ND
Thallium	0.50	ND	ND	ND	ND	ND
Vanadium	0.50	9.50	ND	18.8	23.2	15.5
Zinc	0.50	14700	4590	4300	18900	2840

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								

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ANALYTICAL RESULTS

Page: 5
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27684	11/29/2005	AURORA

Method: 6010B/7471A, CCR Title 22 Metals

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	100	80-120								
ICP Metals										
Antimony	109	80-120								
Arsenic	99	80-120								
Barium	99	80-120								
Beryllium	99	80-120								
Cadmium	100	80-120								
Chromium	89	80-120								
Cobalt	102	80-120								
Copper	93	80-120								
Lead	102	80-120								
Molybdenum	101	80-120								
Nickel	102	80-120								
Selenium	97	80-120								
Silver	97	80-120								
Thallium	99	80-120								
Vanadium	95	80-120								
Zinc	104	80-120								

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ANALYTICAL RESULTS

Ordered By

Aurora Industrial Hygiene
3620 Long Beach Blvd.
Suite C1
Long Beach, CA 90807-

Telephone: (562)988-8993
Attn: Grace Rinck

Site

3200 Fruitland

Page: 6
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27684	11/29/2005	AURORA

Method: 6010B/7471A, CCR Title 22 Metals

Batch No:

Our Lab I.D.		160302	160303	160304	160305	160306
Sample ID		WS 011A,B	WS 012A,B	WS 013A,B	WS 014A,B	WS 015A,B
Date Sampled		11/23/2005	11/23/2005	11/23/2005	11/23/2005	11/23/2005
Date Extracted		11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005
Preparation Method						
Date Analyzed		12/01/2005	12/01/2005	12/01/2005	12/01/2005	12/01/2005
Matrix		Wipe	Wipe	Wipe	Wipe	Wipe
Units		ug/wipe	ug/wipe	ug/wipe	ug/wipe	ug/wipe
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.20	ND	ND	ND	ND	ND
ICP Metals						
Antimony	0.50	20.2	11.6	10.1	17.5	3.96
Arsenic	0.50	18.9	25.3	22.1	16.4	5.75
Barium	0.50	1020	990	367	376	326
Beryllium	0.50	1.24	0.73	4.20	0.77	ND
Cadmium	0.50	42.0	28.4	158	17.8	15.8
Chromium	0.50	160	206	212	82.0	47.3
Cobalt	0.50	23.6	19.5	44.8	45.1	7.04
Copper	0.50	1350	2260	19500	816	521
Lead	0.25	1690	1480	2840	2160	459
Molybdenum	0.50	27.9	39.8	88.5	28.8	12.4
Nickel	0.50	130	96.7	195	84.1	40.4
Selenium	0.50	5.18	4.07	6.28	5.38	2.46
Silver	0.50	ND	2.87	19.7	13.9	1.05
Thallium	0.50	ND	ND	ND	ND	ND
Vanadium	0.50	11.8	37.2	30.5	21.2	14.1
Zinc	0.50	10300	12400	15500	2990	2040

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								

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ANALYTICAL RESULTS

Page: 7
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27684	11/29/2005	AURORA

Method: 6010B/7471A, CCR Title 22 Metals

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	100	80-120								
ICP Metals										
Antimony	109	80-120								
Arsenic	99	80-120								
Barium	99	80-120								
Beryllium	99	80-120								
Cadmium	100	80-120								
Chromium	89	80-120								
Cobalt	102	80-120								
Copper	93	80-120								
Lead	102	80-120								
Molybdenum	101	80-120								
Nickel	102	80-120								
Selenium	97	80-120								
Silver	97	80-120								
Thallium	99	80-120								
Vanadium	95	80-120								
Zinc	104	80-120								

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ANALYTICAL RESULTS

Ordered By

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3620 Long Beach Blvd.
Suite C1
Long Beach, CA 90807-

Telephone: (562)988-8993
Attn: Grace Rinck

Site

3200 Fruitland

Page: 8
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27684	11/29/2005	AURORA

Method: 6010B/7471A, CCR Title 22 Metals

Batch No:

Our Lab I.D.		160307	160308	160309	160310	160311
Sample ID		WS 016A,B	WS 017A,B	WS 018A,B	WS 019A,B	WS 020A,B
Date Sampled		11/23/2005	11/23/2005	11/23/2005	11/23/2005	11/23/2005
Date Extracted		12/02/2005	12/02/2005	12/02/2005	12/02/2005	12/02/2005
Preparation Method						
Date Analyzed		12/02/2005	12/02/2005	12/02/2005	12/02/2005	12/02/2005
Matrix		Wipe	Wipe	Wipe	Wipe	Wipe
Units		ug/wipe	ug/wipe	ug/wipe	ug/wipe	ug/wipe
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.20	1.84	ND	ND	ND	ND
ICP Metals						
Antimony	0.50	13.5	5.74	10.1	6.74	3.95
Arsenic	0.50	30.0	27.5	14.0	14.7	44.9
Barium	0.50	388	1670	1420	1440	1190
Beryllium	0.50	ND	1.08	1.17	2.13	4.35
Cadmium	0.50	76.5	15.4	16.5	5.55	9.29
Chromium	0.50	185	283	156	158	516
Cobalt	0.50	35.9	26.9	25.6	16.3	20.1
Copper	0.50	1260	1960	1240	1050	2230
Lead	0.25	6620	580	623	413	327
Molybdenum	0.50	63.7	19.2	19.5	18.9	12.3
Nickel	0.50	144	191	168	84.0	189
Selenium	0.50	11.2	1.89	4.81	4.17	ND
Silver	0.50	8.55	4.83	6.08	3.61	2.60
Thallium	0.50	ND	ND	ND	ND	ND
Vanadium	0.50	94.1	ND	2.72	ND	ND
Zinc	0.50	58900	9470	9330	9440	20000

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								

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ANALYTICAL RESULTS

Page: 9
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27684	11/29/2005	AURORA

Method: 6010B/7471A, CCR Title 22 Metals

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	99	80-120								
ICP Metals										
Antimony	96	80-120								
Arsenic	97	80-120								
Barium	99	80-120								
Beryllium	102	80-120								
Cadmium	96	80-120								
Chromium	94	80-120								
Cobalt	98	80-120								
Copper	99	80-120								
Lead	96	80-120								
Molybdenum	96	80-120								
Nickel	99	80-120								
Selenium	97	80-120								
Silver	98	80-120								
Thallium	94	80-120								
Vanadium	97	80-120								
Zinc	100	80-120								

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ANALYTICAL RESULTS

Ordered By

Aurora Industrial Hygiene
3620 Long Beach Blvd.
Suite C1
Long Beach, CA 90807-

Telephone: (562)988-8993
Attn: Grace Rinck

Site

3200 Fruitland

Page: 10
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27684	11/29/2005	AURORA

Method: 6010B/7471A, CCR Title 22 Metals

Batch No:

Our Lab I.D.		160312	160313	160314	160315	
Sample ID		WS 021A,B	WS 024A,B	WS 025A,B	WS 026A,B	
Date Sampled		11/23/2005	11/23/2005	11/23/2005	11/23/2005	
Date Extracted		12/02/2005	12/02/2005	12/02/2005	12/02/2005	
Preparation Method						
Date Analyzed		12/02/2005	12/02/2005	12/02/2005	12/02/2005	
Matrix		Wipe	Wipe	Wipe	Wipe	
Units		ug/wipe	ug/wipe	ug/wipe	ug/wipe	
Detection Limit Multiplier		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
AA Metals						
Mercury	0.20	ND	ND	ND	ND	
ICP Metals						
Antimony	0.50	4.72	9.66	6.83	6.96	
Arsenic	0.50	19.1	27.7	2.37	24.9	
Barium	0.50	1020	510	973	2670	
Beryllium	0.50	2.23	3.50	ND	1.73	
Cadmium	0.50	15.0	47.9	4.34	21.4	
Chromium	0.50	212	352	58.4	289	
Cobalt	0.50	14.2	22.5	5.25	13.4	
Copper	0.50	1900	2760	392	1820	
Lead	0.25	294	860	146	474	
Molybdenum	0.50	15.2	22.3	6.79	12.4	
Nickel	0.50	144	216	47.9	120	
Selenium	0.50	7.25	3.16	5.02	0.73	
Silver	0.50	3.49	6.31	1.87	ND	
Thallium	0.50	ND	ND	ND	ND	
Vanadium	0.50	ND	ND	ND	ND	
Zinc	0.50	3980	17200	4680	14500	

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								

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ANALYTICAL RESULTS

Page: 11
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27684	11/29/2005	AURORA

Method: 6010B/7471A, CCR Title 22 Metals

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	99	80-120								
ICP Metals										
Antimony	96	80-120								
Arsenic	97	80-120								
Barium	99	80-120								
Beryllium	102	80-120								
Cadmium	96	80-120								
Chromium	94	80-120								
Cobalt	98	80-120								
Copper	99	80-120								
Lead	96	80-120								
Molybdenum	96	80-120								
Nickel	99	80-120								
Selenium	97	80-120								
Silver	98	80-120								
Thallium	94	80-120								
Vanadium	97	80-120								
Zinc	100	80-120								

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Ordered By

Aurora Industrial Hygiene
3620 Long Beach Blvd. Suite C1
Long Beach, CA 90807-

Number of Pages 2
Date Received 12/09/2005
Date Reported 12/12/2005

Telephone (562)988-8993
Attn Grace Rinck

Job Number	Ordered	Client
27819	12/09/2005	AURORA

Project ID: 23973
Project Name:

Enclosed are the results of analyses on 1 sample analyzed as specified on attached chain of custody.

Amolk MOLKY Brar
Laboratory Manager

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:
1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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COC# № 22284 GLOBAL ID _____ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 27819

Company: AURORA		Report To: AURORA	ANALYSIS REQUESTED
Address: 3620 LONG BCH. BLVD #C1, L.B., CA 90807	Project Name: 23973	Address:	
	Site Address:	Invoice To:	
Telephone: 562 988-8793 Fax: 562 988-0010		Address:	
Special Instruction:	Project ID: 23973		TCB's
	Project Manager: GRACE RINCK	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation		Remarks
	161108	BK005	12/8/05	AN					✓	

Collected By: [signature]	Date 12/8/05 Time 1600	Relinquished By:	Date Time
Relinquished By:	Date Time	Received For Laboratory Janet Chin	Date 12-9-05 Time 1:20
Condition of Sample:			TAT ☐ Normal ☒ Rush

CHAIN OF CUSTODY RECORD

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Ordered By

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Attn: Grace Rinck

Page: 2
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27819	12/09/2005	AURORA

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

Batch No:

Our Lab I.D.		**161108**				
Sample ID		BK 005				
Date Sampled		12/08/2005				
Date Extracted		12/09/2005				
Preparation Method						
Date Analyzed		12/09/2005				
Matrix		Solid				
Units		ug/kg				
Detection Limit Multiplier		20				
Analytes	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	660	ND				
Aroclor-1221 (PCB-1221)	1340	ND				
Aroclor-1232 (PCB-1232)	660	ND				
Aroclor-1242 (PCB-1242)	660	ND				
Aroclor-1248 (PCB-1248)	660	12100				
Aroclor-1254 (PCB-1254)	660	10600				
Aroclor-1260 (PCB-1260)	660	ND				

Our Lab I.D.		**161108**				
Surrogates	**Con.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	91				

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aroclor-1260 (PCB-1260)	94	98	4.2	39-150	<30					

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Geomatrix

December 2, 2005

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

RE: Aurora Industrial Hygiene, Inc.
Job Number 905111565
P.O. # 23973
23973; (Report Amended 12/2/2005)

Dear Grace Rinck:

Enclosed are the results for PLM asbestos analysis of the following Aurora Industrial Hygiene, Inc. samples received at AmeriSci on Monday, November 21, 2005, for a 5 day turnaround:

Sample ID 001-01 through 039-03

The 108 samples contained in Ziplock Bags were shipped to AmeriSci via Federal Express. These samples were prepared and analyzed according to the EPA Interim Method (EPA 600/M4-82-020 per 40 CFR 763, subpt F, App. A). The required analytical information, analysis results, analyst signature and laboratory identification is contained in the Analyst's Report.

This report relates ONLY to the sample analysis expressed as percent asbestos. AmeriSci assumes no responsibility for customer supplied data such as "sample type", "location", or "area sampled". This report must not be used to claim product endorsement by AmeriSci, NVLAP or any agency of the U. S. Government. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations respectively, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

Mary S. David
Customer Service

AmeriSci Los Angeles
24416 SOUTH MAIN STREET • SUITE 308
CARSON, CA 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
001-01	905111565-01	*No*	NAD

Location: Black VFT w/Mastic

Description: Black, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

001-02	905111565-02	*No*	NAD

Location: Black VFT w/Mastic

Description: Black, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

001-03	905111565-03	*No*	NAD

Location: Black VFT w/Mastic

Description: Black, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

002-01	905111565-04	*No*	NAD

Location: Cove Base w/Mastic

Description: Beige, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

002-02	905111565-05L1	*No*	NAD

Location: Cove Base w/Mastic

Description: Beige, Homogeneous, Non-Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

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PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
002-02	905111565-05L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Beige, Homogeneous, Non-Fibrous, Leveling Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

002-03	905111565-06.1	*No*	NAD

Location: Cove Base w/Mastic

Description: Beige, Heterogeneous, Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

002-03	905111565-06L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Beige, Homogeneous, Non-Fibrous, Leveling Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

003-01	905111565-07	*No*	NAD

Location: 2x4 Ceiling Tile

Description: Grey, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 40. %, Fibrous glass 10. %, Non-fibrous 50. %

003-02	905111565-08		NA

Location: Sample Not Submitted

Description: Bulk Material
Asbestos Types:
Other Material:

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PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
003-03	905111565-09		NA
Location: Sample Not Submitted			
Description: Bulk Material			
Asbestos Types:			
Other Material:			
004-01	905111565-10.1	*No*	NAD
Location: Drywall/J.C			
Description: Brown/White, Heterogeneous, Fibrous, Drywall			
Asbestos Types:			
Other Material: Cellulose 20. %, Non-fibrous 80. %			
004-01	905111565-10.2	*No*	NAD
Location: Drywall/J.C			
Description: White, Heterogeneous, Fibrous, Joint Compound			
Asbestos Types:			
Other Material: Non-fibrous 100. %			
004-02	905111565-11.1	*No*	NAD
Location: Drywall/J.C			
Description: Brown/White, Heterogeneous, Fibrous, Drywall			
Asbestos Types:			
Other Material: Cellulose 20. %, Non-fibrous 80. %			
004-02	905111565-11.2	*No*	NAD
Location: Drywall/J.C			
Description: White, Homogeneous, Non-Fibrous, Joint Compound			
Asbestos Types:			
Other Material: Non-fibrous 100. %			

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PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
004-03	905111565-12.1	*No*	NAD

Location: Drywall/J.C

Description: Brown/White, Heterogeneous, Fibrous, Drywall
Asbestos Types:
Other Material: Cellulose 20. %, Non-fibrous 80. %

004-03	905111565-12.2	*No*	NAD

Location: Drywall/J.C

Description: White, Homogeneous, Non-Fibrous, Joint Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

005-01	905111565-13	*No*	NAD

Location: Brown VFT w/Mastic

Description: Beige, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 2. %, Non-fibrous 98. %

005-02	905111565-14	*No*	NAD

Location: Brown VFT w/Mastic

Description: Beige, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 2. %, Non-fibrous 98. %

005-03	905111565-15	*No*	NAD

Location: Brown VFT w/Mastic

Description: Beige, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 2. %, Non-fibrous 98. %

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PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
006-01	905111565-16L1	*Yes*	< 1.%

Location: Black VFT w/Mastic (Bottom)

Description: Black, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types: Chrysotile Trace
Other Material: Non-fibrous 100. %

006-01	905111565-16L2	*Yes*	5 %

Location: Black VFT w/Mastic (Bottom)

Description: Black, Homogeneous, Non-Fibrous, Mastic
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

006-02	905111565-17L1	*Yes*	2 %

Location: Black VFT w/Mastic (Bottom)

Description: Tan, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

006-02	905111565-17L2	*Yes*	5 %

Location: Black VFT w/Mastic (Bottom)

Description: Black, Heterogeneous, Fibrous, Mastic
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

006-03	905111565-18L1	*Yes*	2 %

Location: Black VFT w/Mastic (Bottom)

Description: Tan, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

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PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
006-03	905111565-18L2	*Yes*	5 %

Location: Black VFT w/Mastic (Bottom)

Description: Black, Homogeneous, Non-Fibrous, Mastic
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

007-01	905111565-19L1	*No*	NAD

Location: Cove Base w/Mastic

Description: Black, Homogeneous, Non-Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

007-01	905111565-19L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Cream, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

007-02	905111565-20L1	*No*	NAD

Location: Cove Base w/Mastic

Description: Black, Homogeneous, Non-Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

007-02	905111565-20L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Cream, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

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PLM Bulk Asbestos Report

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Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
007-03	905111565-21L1	*No*	NAD

Location: Cove Base w/Mastic

Description: Black, Homogeneous, Non-Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

007-03	905111565-21L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Cream, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

008-01	905111565-22	*No*	NAD

Location: 2x4 Ceiling Tile

Description: Beige, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Fibrous glass 60. %, Non-fibrous 40. %

008-02	905111565-23	*No*	NAD

Location: 2x4 Ceiling Tile

Description: Grey, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 50. %, Non-fibrous 50. %

008-03	905111565-24	*No*	NAD

Location: 2x4 Ceiling Tile

Description: Grey, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 50. %, Non-fibrous 50. %

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PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
009-01	905111565-25	*No*	NAD

Location: Stucco

Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

009-02	905111565-26	*No*	NAD

Location: Stucco

Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

009-03	905111565-27	*No*	NAD

Location: Stucco

Description: Grey/Black, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material
Asbestos Types:
Other Material: Cellulose 2. %, Non-fibrous 98. %

010-01	905111565-28	*No*	NAD

Location: Floor TAR

Description: Black, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

011-01	905111565-29	*No*	NAD

Location: Wood Floor TAR

Description: Black, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

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CARSON, CA 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
011-02	905111565-30	*No*	NAD

Location: Wood Floor TAR

Description: Black, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

011-03	905111565-31	*No*	NAD

Location: Wood Floor TAR

Description: Black, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

012-01	905111565-32	*No*	NAD

Location: 12x12 Green VFT w/Mastic

Description: Green, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

012-02	905111565-33	*No*	NAD

Location: 12x12 Green VFT w/Mastic

Description: Green, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

012-03	905111565-34	*No*	NAD

Location: 12x12 Green VFT w/Mastic

Description: Green, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
013-01	905111565-35	*No*	NAD
Location:	Black VFT w/Mastic		
Description:	Black, Homogeneous, Non-Fibrous, Bulk Material		
Asbestos Types:			
Other Material:	Non-fibrous 100. %		
013-02	905111565-36	*No*	NAD
Location:	Black VFT w/Mastic		
Description:	Beige, Homogeneous, Non-Fibrous, Bulk Material		
Asbestos Types:			
Other Material:	Non-fibrous 100. %		
013-03	905111565-37	*No*	NAD
Location:	Black VFT w/Mastic		
Description:	Black, Homogeneous, Non-Fibrous, Bulk Material		
Asbestos Types:			
Other Material:	Non-fibrous 100. %		
014-01	905111565-38	*Yes*	< 1.%
Location:	White VFT w/Mastic		
Description:	White, Homogeneous, Non-Fibrous, Bulk Material		
Asbestos Types:	Chrysotile Trace		
Other Material:	Non-fibrous 100. %		
014-02	905111565-39	*Yes*	< 1.%
Location:	White VFT w/Mastic		
Description:	White, Homogeneous, Non-Fibrous, Bulk Material		
Asbestos Types:	Chrysotile Trace		
Other Material:	Non-fibrous100.		

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RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
014-03	905111565-40	*Yes*	< 1.%

Location: White VFT w/Mastic

Description: White, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile Trace
Other Material: Non-fibrous 100. %

015-01	905111565-41	*Yes*	3 %

Location: 9x9 Green VFT w/Mastic

Description: Green, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile 3. %
Other Material: Non-fibrous 97. %

015-02	905111565-42	*Yes*	3 %

Location: 9x9 Green VFT w/Mastic

Description: Green, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile 3. %
Other Material: Non-fibrous 97. %

015-03	905111565-43	*Yes*	3 %

Location: 9x9 Green VFT w/Mastic

Description: Green, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile 3. %
Other Material: Non-fibrous 97. %

016-01	905111565-44L1	*No*	NAD

Location: Cove Base w/Mastic

Description: Brown, Homogeneous, Non-Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
016-01	905111565-44L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Brown, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Cellulose 2. %, Wollastonite 3. %, Non-fibrous 95. %

016-02	905111565-45L1	*No*	NAD

Location: Cove Base w/Mastic

Description: Brown, Homogeneous, Non-Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

016-02	905111565-45L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Brown, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Wollastonite 5. %, Non-fibrous 95. %

016-03	905111565-46L1	*No*	NAD

Location: Cove Base w/Mastic

Description: Brown, Homogeneous, Non-Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

016-03	905111565-46L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Brown, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Wollastonite 5. %, Non-fibrous 95. %

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RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
017-01	905111565-47	*No*	NAD

Location: Window Putty

Description: Brown, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 10. %, Non-fibrous 90. %

017-02	905111565-48	*No*	NAD

Location: Window Putty

Description: Beige, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 5. %, Non-fibrous 95. %

017-03	905111565-49	*No*	NAD

Location: Window Putty

Description: Beige, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 5. %, Non-fibrous 95. %

018-01	905111565-50	*No*	NAD

Location: Gray VFT w/Mastic

Description: Grey, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

018-02	905111565-51	*No*	NAD

Location: Gray VFT w/Mastic

Description: Grey, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

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P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
018-03	905111565-52L1	*No*	NAD

Location: Gray VFT w/Mastic

Description: Grey, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100. %

018-03	905111565-52L2	*Yes*	4 %

Location: Gray VFT w/Mastic

Description: Yellow/Black, Homogeneous, Non-Fibrous, Mastic
Asbestos Types: Chrysotile 4. %
Other Material: Cellulose 2. %, Non-fibrous 94. %

019-01	905111565-53L1	*No*	NAD

Location: Cove Base w/Mastic

Description: Grey, Homogeneous, Non-Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

019-01	905111565-53L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Cream, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

019-01	905111565-53L3	*No*	NAD

Location: Cove Base w/Mastic

Description: White, Homogeneous, Non-Fibrous, Leveling Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

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Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
019-02	905111565-54L1	*No*	NAD

Location: Cove Base w/Mastic

Description: Grey, Homogeneous, Non-Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

019-02	905111565-54L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Cream, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

019-02	905111565-54L3	*No*	NAD

Location: Cove Base w/Mastic

Description: Beige, Homogeneous, Non-Fibrous, Leveling Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

019-03	905111565-55L1	*No*	NAD

Location: Cove Base w/Mastic

Description: Grey, Homogeneous, Non-Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

019-03	905111565-55L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Cream, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
020-01	905111565-56.1	*No*	NAD

Location: Drywall w/J.C

Description: Brown/White, Heterogeneous, Fibrous, Drywall
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

020-01	905111565-56.2	*Yes*	< 1.%

Location: Drywall w/J.C

Description: White, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile Trace
Other Material: Non-fibrous 100. %

020-02	905111565-57.1	*No*	NAD

Location: Drywall w/J.C

Description: Brown/White, Heterogeneous, Fibrous, Drywall
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

020-02	905111565-57.2	*Yes*	< 1.%

Location: Drywall w/J.C

Description: White, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile Trace
Other Material: Non-fibrous 100. %

020-03	905111565-58.1	*No*	NAD

Location: Drywall w/J.C

Description: Brown/White, Heterogeneous, Fibrous, Drywall
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

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AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
020-03	905111565-58.2	*Yes*	< 1.%

Location: Drywall w/J.C

Description: White, Homogeneous, Non-Fibrous, Joint Compound
Asbestos Types: Chrysotile Trace
Other Material: Non-fibrous 100. %

021-01	905111565-59	*Yes*	35 %

Location: Wall Panel (Interior)

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 35. %
Other Material: Cellulose 2. %, Synthetic fibers 3. %, Non-fibrous 60. %

021-02	905111565-60	*Yes*	35 %

Location: Wall Panel (Interior)

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 35. %
Other Material: Cellulose 2. %, Synthetic fibers 3. %, Non-fibrous 60. %

021-03	905111565-61	*Yes*	35 %

Location: Wall Panel (Interior)

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 35. %
Other Material: Cellulose 2. %, Synthetic fibers 3. %, Non-fibrous 60. %

022-01	905111565-62	*Yes*	35 %

Location: Wall Panel (Interior)

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 35. %
Other Material: Cellulose 2. %, Synthetic fibers 3. %, Non-fibrous 60. %

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P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
022-02	905111565-63	*Yes*	35 %

Location: Wall Panel (Interior)

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 35. %
Other Material: Cellulose 2. %, Synthetic fibers 3. %, Non-fibrous 60. %

022-03	905111565-64	*Yes*	35 %

Location: Wall Panel (Interior)

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 35. %
Other Material: Cellulose 2. %, Synthetic fibers 3. %, Non-fibrous 60. %

023-01	905111565-65	*Yes*	10 %

Location: Roof Mastic

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

023-02	905111565-66	*Yes*	10 %

Location: Roof Mastic

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

023-03	905111565-67	*Yes*	10 %

Location: Roof Mastic

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

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AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
024-01	905111565-68	*Yes*	15 %

Location: Roof Composite

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 15. %
Other Material: Fibrous glass 10. %, Non-fibrous 75. %

024-02	905111565-69	*Yes*	5 %

Location: Roof Composite

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 5. %
Other Material: Fibrous glass 15. %, Non-fibrous 80. %

024-03	905111565-70	*Yes*	5 %

Location: Roof Composite

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 5. %
Other Material: Fibrous glass 15. %, Non-fibrous 80. %

025-01	905111565-71	*Yes*	15 %

Location: Roof Composite

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 15. %
Other Material: Fibrous glass 15. %, Non-fibrous 70. %

025-02	905111565-72	*Yes*	10 %

Location: Roof Composite

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 10. %
Other Material: Fibrous glass 10. %, Non-fibrous 80. %

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P.O. # 23973

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
025-03	905111565-73	*Yes*	3 %

Location: Roof Composite

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 3. %
Other Material: Fibrous glass 17. %, Non-fibrous 80. %

026-01	905111565-74	*Yes*	10 %

Location: Roof Mastic

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

026-02	905111565-75L1	*Yes*	10 %

Location: Roof Mastic

Description: Black, Heterogeneous, Fibrous, Mastic
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

026-02	905111565-75L2	*Yes*	20 %

Location: Roof Mastic

Description: Grey, Heterogeneous, Fibrous, Cementitious, Cementitious Material
Asbestos Types: Chrysotile 10. %, Crocidolite 10. %
Other Material: Non-fibrous 80. %

026-03	905111565-76	*Yes*	10 %

Location: Roof Mastic

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

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P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
027-01	905111565-77	*No*	NAD

Location: Window Putty

Description: Grey, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

027-02	905111565-78	*No*	NAD

Location: Window Putty

Description: Grey, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

027-03	905111565-79	*No*	NAD

Location: Window Putty

Description: Grey, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

028-01	905111565-80	*Yes*	10 %

Location: Roof Mastic

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

028-02	905111565-81	*Yes*	10 %

Location: Roof Mastic

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

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P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
028-03	905111565-82	*Yes*	10 %

Location: Roof Mastic

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

029-01	905111565-83	*No*	NAD

Location: Roof Composite

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 20. %, Non-fibrous 80. %

029-02	905111565-84	*No*	NAD

Location: Roof Composite

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 20. %, Non-fibrous 80. %

029-03	905111565-85	*No*	NAD

Location: Roof Composite

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

030-01	905111565-86	*No*	NAD

Location: Exhaust Mastic

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 10. %, Non-fibrous 90. %

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P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
030-02	905111565-87	*No*	NAD

Location: Exhaust Mastic

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 10. %, Non-fibrous 90. %

030-03	905111565-88	*No*	NAD

Location: Exhaust Mastic

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 10. %, Fibrous glass 5. %, Non-fibrous 85. %

031-01	905111565-89	*Yes*	35 %

Location: Loose Debris

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 35. %
Other Material: Cellulose 3. %, Synthetic fibers 2. %, Non-fibrous 60. %

031-02	905111565-90	*Yes*	10 %

Location: Loose Debris

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

031-03	905111565-91	*Yes*	35 %

Location: Loose Debris

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 35. %
Other Material: Cellulose 3. %, Synthetic fibers 2. %, Non-fibrous 60. %

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24416 SOUTH MAIN STREET • SUITE 308
CARSON, CA 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
032-01	905111565-92	*No*	NAD

Location: Ext. Panel

Description: Grey, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

032-02	905111565-93	*No*	NAD

Location: Ext. Panel

Description: Grey, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

032-03	905111565-94	*No*	NAD

Location: Ext. Panel

Description: Grey, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

033-01	905111565-95	*Yes*	10 %

Location: Panel

Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

034-01	905111565-96L1	*No*	NAD

Location: Green VFT w/Mastic

Description: Green, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100. %

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Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
034-01	905111565-96L2	*No*	NAD

Location: Green VFT w/Mastic

Description: Yellow, Heterogeneous, Fibrous, Mastic
Asbestos Types:
Other Material: Cellulose 5. %, Non-fibrous 95. %

034-02	905111565-97L1	*No*	NAD

Location: Green VFT w/Mastic

Description: Green, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100. %

034-02	905111565-97L2	*No*	NAD

Location: Green VFT w/Mastic

Description: Yellow, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Cellulose 3. %, Non-fibrous 97. %

034-03	905111565-98L1	*No*	NAD

Location: Green VFT w/Mastic

Description: Green, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100. %

034-03	905111565-98L2	*No*	NAD

Location: Green VFT w/Mastic

Description: Yellow, Heterogeneous, Fibrous, Mastic
Asbestos Types:
Other Material: Cellulose 3. %, Non-fibrous 97. %

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PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
035-01	905111565-99	*No*	NAD

Location: 2x4 Ceiling Tile

Description: Grey, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 60. %, Non-fibrous 40. %

036-01	905111565-100L1	*No*	NAD

Location: Cove Base w/Mastic

Description: Green, Homogeneous, Non-Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

036-01	905111565-100L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Cream, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

036-01	905111565-100L3	*No*	NAD

Location: Cove Base w/Mastic

Description: Brown, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Fibrous Talc 3. %, Non-fibrous 97. %

036-02	905111565-101L1	*No*	NAD

Location: Cove Base w/Mastic

Description: Green, Homogeneous, Non-Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

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PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
036-02	905111565-101L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Cream, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

036-02	905111565-101L3	*No*	NAD

Location: Cove Base w/Mastic

Description: Brown, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Fibrous Talc 3. %, Non-fibrous 97. %

036-03	905111565-102L1	*No*	NAD

Location: Cove Base w/Mastic

Description: Green, Homogeneous, Non-Fibrous, Cove Base
Asbestos Types:
Other Material: Non-fibrous 100. %

036-03	905111565-102L2	*No*	NAD

Location: Cove Base w/Mastic

Description: Cream, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

036-03	905111565-102L3	*No*	NAD

Location: Cove Base w/Mastic

Description: Brown, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Fibrous Talc 3. %, Non-fibrous 97. %

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CARSON, CA 90745
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PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
037-01	905111565-103L1	*No*	NAD

Location: Blue VFT w/Mastic

Description: Blue, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100. %

037-01	905111565-103L2	*No*	NAD

Location: Blue VFT w/Mastic

Description: Yellow, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Cellulose 2. %, Non-fibrous 98. %

037-02	905111565-104L1	*No*	NAD

Location: Blue VFT w/Mastic

Description: Blue, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100. %

037-02	905111565-104L2	*No*	NAD

Location: Blue VFT w/Mastic

Description: Yellow, Homogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Cellulose 5. %, Non-fibrous 95. %

037-03	905111565-105L1	*No*	NAD

Location: Blue VFT w/Mastic

Description: Blue, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100. %

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PLM Bulk Asbestos Report

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Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973

RE 23973; (Report Amended 12/2/2005)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
037-03	905111565-105L2	*No*	NAD

Location: Blue VFT w/Mastic

Description: Yellow, Heterogeneous, Fibrous, Mastic
Asbestos Types:
Other Material: Cellulose 5. %, Non-fibrous 95. %

039-01	905111565-106	*No*	NAD

Location: Window Putty

Description: Beige, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

039-02	905111565-107	*No*	NAD

Location: Window Putty

Description: Beige, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

039-03	905111565-108	*No*	NAD

Location: Window Putty

Description: Beige, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100. %

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PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 11/21/05
Date Examined 11/23/05

AmeriSci Job No. 905111565
P.O. # 23973
Page 30 **of** 30

RE 23973; (Report Amended 12/2/2005)

Reporting Notes:

Analyzed By: Raymundo Orozco [signature] for Raymundo Orozco; Date Analyzed: <Date Examined> 12/2/05
*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or "NVA" = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.
Reviewed By: JDA 12/2/05

1 of 5

9051115 65

SCI LAB

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Scientific Laboratories of California, Inc.
24416 South Main Street, Suite 308
Carson, California 90745
Tel: (310) 834-4868 Fax: (310) 834-4772

Company: AURORA
Phone: 562 988 8993
Fax: ~~562 988 0010~~

Address: 3620 LONG BCH. BLVD. C1 LONG BCH. 90807

P.O.#: ~~23973~~

Project Information

Job Name:

Job No.: 23973

Job Desc.:

Job Manager: R. RINCK

Analysis Type	Turnaround Time: 6-8 hr	12 hr	24 hr	48 hr	72 hr	5 day	other
TEM/AHERA							
TEM/LEVEL II							
TEM/BULK							
TEM/DUST							
TEM/WATER							
PCM						X	
PLM							
LEAD							
OTHER:							

Air Filter Info	
MCE	
PC	
25mm	
37mm	
0.45um	
0.80um	
Other:	

Results to: AURORA

Invoice to: "

Written Report to: "

Return Samples Yes___ No X

Phone: 562 988-8993

Fax: 562 988-0010

Cell/Pager: 213 445 9836 (BOB)

Comments: PAGE 1 of 5

Sample I.D.	Sample Location (I)nside/(O)utside/(B)lank/(P)ersonal/(E)xcursion	Start Time	Stop Time	Total Time	X	Liters/ Min.	=	Liters	Date Collected
001-01	BLACK VET W/MASTIC								11/15/05
02	"								
03	"								
002-01	COVE BASE W/MASTIC								
02	"								
03	"								
003-01	2X4 CEILING TILE								
~~02~~	"								
~~03~~	"								
004-01	DRYWALL / J.C.								
02	"								
03	"								
005-01	BROWN VET W/MASTIC								
02	"								
03	"								
006-01	BLACK VET W/MASTIC								
02	(Bottom) "								
03	"								
007-01	COVE BASE W/MASTIC								
02	"								

Relinquished By (Signature): [signature] Date 11/15/05 Time 1330

Received By (Signature): [signature] Date 11/21/05 Time 1035

2 of 5

905111565 -

SCI LAB

FULL SERVICE ENVIRONMENTAL & ASBESTOS LAB

Scientific Laboratories of California, Inc.
24416 South Main Street, Suite 308
Carson, California 90745
Tel: (310) 834-4868 Fax: (310) 834-4772

Company: AURORA Phone: Fax:	Address:	P.O.#:

Project Information	Analysis Type	Turnaround Time: 6-8 hr	12 hr	24 hr	48 hr	72 hr	5 day	other	Air Filter Info	
Job Name:	TEM/AHERA								MCE	
	TEM/LEVEL II								PC	
Job No.: 23973	TEM/BULK								25mm	
	TEM/DUST								37mm	
Job Desc.:	TEM/WATER								0.45um	
	PCM								0.80um	
Job Manager:	PLM						X		Other:	
	LEAD									
	OTHER:									

Results to:

Return Samples Yes___ No X

Invoice to:

Phone: 562 986 8993

Written Report to:

Fax:

Cell/Pager:

Comments: Page 2 of 5

Sample I.D.	Sample Location (I)nside/(O)utside/(B)lank/(P)ersonal/(E)xcursion	Start Time	Stop Time	Total Time	X	Liters/ Min.	=	Liters	Date Collected
007 - 03	COVE BASE W/M.								
008 - 01	2X4 CEILING TILE								
02	"								
03	"								
009 - 01	STUCCO								
02	"								
03	"								
010 - 01	FLOOR TAR								
011 - 01	WOOD FLOOR TAR								
02	"								
03	"								
012 - 01	12X12 GREEN VFT W/M								
02	"								
03	"								
013 - 01	BLACK VFT W/M								
02	"								
03	"								
014 - 01	WHITE VFT W/M								
02	"								
03	"								

Relinquished By (Signature)	Date	Received By (Signature)	Date
	11/15/05		11/21/05
	Time 1330		Time 1035

3 of 5

905111565-

SCI LAB

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Scientific Laboratories of California, Inc.
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Carson, California 90745
Tel: (310) 834-4868 Fax: (310) 834-4772

Company: Phone: Fax: AURORA	Address:	P.O.#:

Project Information

Job Name:

Job No.: 23973

Job Desc.:

Job Manager:

Analysis Type	Turnaround Time 6-8 hr	12 hr	24 hr	48 hr	72 hr	5 day	other
TEM/AHERA							
TEM/LEVEL II							
TEM/BULK							
TEM/DUST							
TEM/WATER							
PCM							
PLM						X	
LEAD							
OTHER:							

Air Filter Info	
MCE	
PC	
25mm	
37mm	
0.45um	
0.80um	
Other:	

Results to:

Return Samples Yes___ No X

Invoice to:

Phone: 562 988-5993

Fax:

Written Report to:

Cell/Pager:

Comments: page 3 of 5

Sample I.D.	Sample Location (I)nside/(O)utside/(B)lank/(P)ersonal/(E)xcursion	Start Time	Stop Time	Total Time	X	Liters/ Min.	=	Liters	Date Collected
015-01	9x9 GREEN VFT W/M.								
02	"								
03	"								
~~008-02~~ 016-01	COVE BASE W/MASTIC								
-02	"								
-03	"								
017-01	WINDOW PUTTY								
02	"								
03	"								
018-01	GRAY VFT W/MASTIC								
02	"								
03	"								
019-01	COVE BASE W/MASTIC								
02	"								
03	"								
020-01	DRYWALL W/J.C.								
02	"								
03	"								
021-01	WALL PANEL (INTERIOR)								
02	"								

Relinquished By (Signature)	Date 11/18/05	Received By (Signature)	Date 11/21/05
	Time 1530		Time 1035

4 of 5

905111565

SCI LAB

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Company: AURORA
Phone:
Fax:

Address:

P.O.#:

Project Information

Job Name:

Job No.: 23973

Job Desc.:

Job Manager:

Analysis Type	Turnaround Time 6-8 hr	12 hr	24 hr	48 hr	72 hr	5 day	other
TEM/AHERA							
TEM/LEVEL II							
TEM/BULK							
TEM/DUST							
TEM/WATER							
PCM							
PLM						X	
LEAD							
OTHER:							

Air Filter Info	
MCE	
PC	
25mm	
37mm	
0.45um	
0.80um	
Other:	

Results to:

Return Samples Yes___ No X

Invoice to:

Phone: 562 988-8993

Written Report to:

Fax:

Cell/Pager:

Comments: page 4 of 5

Sample I.D.	Sample Location (I)nside/(O)utside/(B)lank/(P)ersonal/(E)xcursion	Start Time	Stop Time	Total Time	X	Liters/ Min.	=	Liters	Date Collected
021 - 03	WALL PANEL (INT.)								11/15/05
022 - 01	WALL PANEL (INTERIOR)								
02	"								
03	"								
023 - 01	ROOF MASTIC								11/16/05
02	"								
03	"								
024 - 01	ROOF COMPOSITE								
02	"								
03	"								
025 - 01	ROOF COMPOSITE								
02	"								
03	"								
026 - 01	ROOF MASTIC								
02	"								
03	"								
027 - 01	WINDOW PUTTY								
02	"								
03	"								
028 - 01	ROOF MASTIC								

Relinquished By (Signature)	Date	Received By (Signature)	Date
	11/18/05		11/21/05
	Time 1330		Time 1035

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Company: AURORA
Phone:
Fax:

Address:

P.O.#:

Project Information

Job Name:

Job No.: 23973

Job Desc.:

Job Manager:

Analysis Type	Turnaround Time 6-8 hr	12 hr	24 hr	48 hr	72 hr	5 day	other
TEM/AHERA							
TEM/LEVEL II							
TEM/BULK							
TEM/DUST							
TEM/WATER							
PCM							
PLM						X	
LEAD							
OTHER:							

Air Filter Info	
MCE	
PC	
25mm	
37mm	
0.45um	
0.80um	
Other:	

Results to:

Invoice to:

Written Report to:

Return Samples Yes___ No X

Phone: 562 988-8993

Fax:

Cell/Pager:

Comments: Page 5 of 5

Sample I.D.	Sample Location (I)nside/(O)utside/(B)lank/(P)ersonal/(E)xcursion	Start Time	Stop Time	Total Time	X	Liters/ Min.	=	Liters	Date Collected
028 - 02	ROOF MASTIC								
03	"								
029 - 01	ROOF COMPOSITE								
02	"								
03	"								
030 - 01	EXHAUST MASTIC								
02	"								
03	"								
031 - 01	LOOSE DEBRIS								
02	"								
03	"								
032 - 01	EXT. PANEL								
02	"								
03	"								
033 - 01	PANEL								
034 - 01	GREEN VET W/ MASTIC								
02	"								
03	"								
035 - 01	2x4 CEILING TILE								
036 - 01	COVE BASE W/M.								

Relinquished By (Signature)	Date	Received By (Signature)	Date 11/21/05
	Time		Time 1035

RICHMOND • NEW YORK • BOSTON • LOS ANGELES

036 - 02 "
03 "

037 - 01 BLUE VET W/ MASTIC
02 "
03 "

039 ~~035~~ 01 WINDOW PUTTY

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December 2, 2005

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

RE: Aurora Industrial Hygiene, Inc.
Job Number 905121028
P.O. # 23973
23973; 3200 Fruitland

Dear Grace Rinck:

Enclosed are the results for PLM asbestos analysis of the following Aurora Industrial Hygiene, Inc. samples received at AmeriSci on Friday, December 02, 2005, for a rush turnaround:

008A-02, 008A-03, 040-01, 041-01, 042-01, 033-02, 044-01, 045-01

The 8 samples contained in Ziplock Bags were shipped to AmeriSci via Federal Express. These samples were prepared and analyzed according to the EPA Interim Method (EPA 600/M4-82-020 per 40 CFR 763, subpt F, App. A). The required analytical information, analysis results, analyst signature and laboratory identification is contained in the Analyst's Report.

This report relates ONLY to the sample analysis expressed as percent asbestos. AmeriSci assumes no responsibility for customer supplied data such as "sample type", "location", or "area sampled". This report must not be used to claim product endorsement by AmeriSci, NVLAP or any agency of the U. S. Government. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations respectively, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

Mary S. David
Customer Service

AmeriSci Los Angeles
24416 SOUTH MAIN STREET • SUITE 308
CARSON, CA 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 12/02/05
Date Examined 12/02/05

RE 23973; 3200 Fruitland

AmeriSci Job No. 905121028
P.O. # 23973

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
008A-02	905121028-01	*No*	NAD

Location: 2X4 Ceiling Tile

Description: Light Grey, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 10. %, Fibrous glass 60. %, Non-fibrous 30. %

008A-03	905121028-02	*No*	NAD

Location: 2X4 Ceiling Tile

Description: Beige/ White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 60. %, Fibrous glass 20. %, Non-fibrous 20. %

040-01	905121028-03	*Yes*	2 %

Location: Textured Paint

Description: Red, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

041-01	905121028-04	*Yes*	8 %

Location: 104 Exterior Panel

Description: Grey, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile 8. %
Other Material: Non-fibrous 92. %

042-01	905121028-05	*No*	NAD

Location: Mill Board

Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 70. %, Non-fibrous 30. %

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CARSON, CA 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Aurora Industrial Hygiene, Inc.
Attn: Grace Rinck
3620 Long Beach Blvd
Suite C1
Long Beach, CA 90807

Date Received 12/02/05
Date Examined 12/02/05

RE 23973; 3200 Fruitland

AmeriSci Job No. 905121028
P.O. # 23973
Page 2 **of** 2

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
033-02	905121028-06	*Yes*	10 %

Location: 104 Interior Panel

Description: Black, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

044-01	905121028-07	*No*	NAD

Location: Ingot Roof Comp.

Description: Black, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 10. %, Fibrous glass 15. %, Non-fibrous 75. %

045-01	905121028-08	*Yes*	7 %

Location: HVAC S.

Description: Grey, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile 7. %
Other Material: Non-fibrous 93. %

Reporting Notes:

Analyzed By: Olga K. Katsuk JRD for OKK; Date Analyzed: <Date Examined> 12/2/05
*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or "NVA" = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.
Reviewed By: JRD 12/2/05

905121028

Aurora
INDUSTRIAL HYGIENE

JOB # 23973 (ADDITIONAL SAMPLES)
MOVING TODAY VIA FEDEX —

PLEASE CHANGE SAMPLE # 043-01 WALL PANEL
TO # 033-02

THANK YOU
Bob Rinck
323 223 4085 IF ANY QUESTIONS

3620 Long Beach Blvd., Suite C1 • Long Beach, CA 90807 • (562) 988-8993 • Fax (562) 988-0010

905121028

SCI LAB

FULL SERVICE ENVIRONMENTAL & ASBESTOS LAB

Scientific Laboratories of California, Inc.
24416 South Main Street, Suite 308
Carson, California 90745
Tel: (310) 834-4868 Fax: (310) 834-4772

+ FAX TO: (323) ~~223~~ 223 3379

Company: AURORA Phone: 562 988-8993 Fax: 562 988-0010	Address: 3620 LONG BEACH BLVD C.	P.O.#:

Project Information	Analysis Type	Turnaround Time 6-8 hr	12 hr	24 hr	48 hr	72 hr	5 day	other	Air Filler Info	
Job Name: 3200 FRUITLAND	TEM/AHERA								MCE	
Job No.: 23973	TEM/LEVEL II								PC	
	TEM/BULK								25mm	
Job Desc.:	TEM/DUST								37mm	
	TEM/WATER								0.45um	
	PCM								0.80um	
Job Manager: R. RINCK	PLM								Other:	
	LEAD									
	OTHER:									

Results to: AURORA

Return Samples Yes___ No X

Invoice to: "

Phone: 562 988-8993

Fax: 562 988-0010 + 323 223 3379

Written Report to: "

Cell/Pager: 213 445-9836 BOB

Comments:

Sample I.D.	Sample Location (I)nside/(O)utside/(B)lank/(P)ersonal/(E)xcursion	Start Time	Stop Time	Total Time	X	Liters/ Min.	=	Liters	Date Collected
008A-02	2x4 CEILING TILE								PLM
008A-03	" "								
040-01	TEXTURED PAINT								
041-01	104 EXTERIOR PANEL								
042-01	MILL BOARD								
043-01	104 INTERIOR PANEL								
044-01	INGOT ROOF COMP.								
045-01	HVAC SEALANT								

SAME DAY TAT

RESULTS FRIDAY 12/2/05

Relinquished By (Signature)	Date 12/1/05	Received By (Signature)	Date 12/2/05
	Time 1530		Time 1025

RICHMOND • NEW YORK • BOSTON • LOS ANGELES

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

CHAIN OF CUSTODY RECORD

COC# № 22284 GLOBAL ID _____ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# _____

Company: AURORA		Report To: AURORA	ANALYSIS REQUESTED
Address: 3620 LONG BEACH BLVD #C1, L.B., CA 90807	Project Name: 23973	Address:	
	Site Address:	Invoice To:	
Telephone: 562 988-8793 Fax: 562 988-0010		Address:	
Special Instruction:	Project ID: 23973		TPB's
	Project Manager: GRACE RINCK	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation													Remarks
		BK005	12/8/05	AM					4.												

Collected By:	Date 12/8/05 Time 1100	Relinquished By:	Date Time
Relinquished By:	Date Time	Received For Laboratory	Date Time
Condition of Sample:			

TAT ☐ Normal ☒ Rush

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-0300

Ordered By

Aurora Industrial Hygiene
3620 Long Beach Blvd. Suite C1
Long Beach, CA 90807-

Telephone (562)988-8993
Attn Grace Rinck

Number of Pages 2
Date Received 12/09/2005
Date Reported 12/12/2005

Job Number	Ordered	Client
27819	12/09/2005	AURORA

Project ID: 23973
Project Name:

Enclosed are the results of analyses on 1 sample analyzed as specified on attached chain of custody.

Amolk MOLKY Brar
Laboratory Manager

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
[illegible]
[illegible] San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9200 Fax: (323) 223-0500

ANALYTICAL RESULTS

Ordered By

Aurora Industrial Hygiene
3620 Long Beach Blvd.
Suite C1
Long Beach, CA 90807-

Telephone: (562)988-8993
Attn: Grace Rinck

Page: 2
Project ID: 23973
Project Name:

Job Number	Order Date	Client
27819	12/09/2005	AURORA

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

Batch No:

Our Lab I.D.		161108
Sample ID		BK 005
Date Sampled		12/08/2005
Date Extracted		12/09/2005
Preparation Method		
Date Analyzed		12/09/2005
Matrix		Solid
Units		ug/kg
Detection Limit Multiplier		20
Analytes	**PQL**	**Results**
Aroclor-1016 (PCB-1016)	660	ND
Aroclor-1221 (PCB-1221)	1340	ND
Aroclor-1232 (PCB-1232)	660	ND
Aroclor-1242 (PCB-1242)	660	ND
Aroclor-1248 (PCB-1248)	660	12100
Aroclor-1254 (PCB-1254)	660	10600
Aroclor-1260 (PCB-1260)	660	ND

Our Lab I.D.		161108
Surrogates	**Con.Limit**	**% Rec.**
Surrogate Percent Recovery		
Decachlorobiphenyl	43-169	91

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aroclor-1260 (PCB-1260)	94	98	4.2	39-150	<30

APPENDIX E

AMERICAN ANALYTICS

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

January 11, 2006

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

A563024 / 5L12012

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/09/05 16:23 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563024
Date Received: 12/09/05
Date Reported: 01/11/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8082 PCBs					
40-SS-8.5	5L12012-02	Soil	10	12/09/05 11:00	12/09/05 16:23
40-SS-11.5	5L12012-03	Soil	10	12/09/05 11:05	12/09/05 16:23
40-SS-21.5	5L12012-05	Soil	10	12/09/05 11:14	12/09/05 16:23
40-SS-26.5	5L12012-06	Soil	10	12/09/05 11:21	12/09/05 16:23
40-SS-31.5	5L12012-07	Soil	10	12/09/05 11:27	12/09/05 16:23
40-SS-41.5	5L12012-09	Soil	10	12/09/05 11:41	12/09/05 16:23
40-SS-51.5	5L12012-13	Soil	10	12/09/05 12:32	12/09/05 16:23
40-SS-61.5	5L12012-16	Soil	10	12/09/05 14:04	12/09/05 16:23
40-SS-66.5	5L12012-17	Soil	10	12/09/05 14:14	12/09/05 16:23
40-SS-71.5	5L12012-18	Soil	10	12/09/05 14:30	12/09/05 16:23
Carbon Chain Characterization 8015M					
40-SS-31.5	5L12012-07	Soil	5	12/09/05 11:27	12/09/05 16:23
40-SS-41.5	5L12012-09	Soil	5	12/09/05 11:41	12/09/05 16:23
40-SS-51.5	5L12012-13	Soil	5	12/09/05 12:32	12/09/05 16:23
40-SS-61.5	5L12012-16	Soil	5	12/09/05 14:04	12/09/05 16:23
40-SS-71.5	5L12012-18	Soil	5	12/09/05 14:30	12/09/05 16:23

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: A563024
Date Received: 12/09/05
Date Reported: 01/11/06
Units: mg/kg

Date Sampled:	12/09/05	12/09/05	12/09/05	12/09/05	
Date Prepared:	12/14/05	12/14/05	12/14/05	12/14/05	
Date Analyzed:	12/15/05	12/15/05	12/15/05	12/15/05	
AA ID No:	5L12012-07	5L12012-09	5L12012-13	5L12012-16	
Client ID No:	40-SS-31.5	40-SS-41.5	40-SS-51.5	40-SS-61.5	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	60.0%	60.0%	79.0%	63.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: A563024
Date Received: 12/09/05
Date Reported: 01/11/06
Units: mg/kg

Date Sampled:	12/09/05	
Date Prepared:	12/14/05	
Date Analyzed:	12/15/05	
AA ID No:	5L12012-18	
Client ID No:	40-SS-71.5	
Dilution Factor:	1	MRL

Carbon Chain Characterization 8015M (EPA 8015M)

C6-C8	<1.0	1.0
C8-C10	<1.0	1.0
C10-C12	<1.0	1.0
C12-C14	<1.0	1.0
C14-C16	<1.0	1.0
C16-C18	<1.0	1.0
C18-C20	<1.0	1.0
C20-C22	<1.0	1.0
C22-C24	<1.0	1.0
C24-C26	<1.0	1.0
C26-C28	<1.0	1.0
C28-C32	<1.0	1.0
C32-C34	<1.0	1.0
C34-C36	<1.0	1.0
C36-C40	<1.0	1.0
C40-C44	<1.0	1.0
TPH (C6-C44)	<10	10

Surrogates		**%REC Limits**
o-Terphenyl	56.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: A563024
Date Received: 12/09/05
Date Reported: 01/11/06
Units: ug/kg

Date Sampled:	12/09/05	12/09/05	12/09/05	12/09/05	
Date Prepared:	01/03/06	01/03/06	01/03/06	01/05/06	
Date Analyzed:	01/04/06	01/04/06	01/04/06	01/06/06	
AA ID No:	5L12012-02	5L12012-03	5L12012-05	5L12012-06	
Client ID No:	40-SS-8.5	40-SS-11.5	40-SS-21.5	40-SS-26.5	
Dilution Factor:	5000	100	10000	5	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<100000 [1] [2]	<2000 [1] [2]	<200000 [1] [2]	<100 [1] [2]	20
Aroclor-1221	<100000 [1] [2]	<2000 [1] [2]	<200000 [1] [2]	<100 [1] [2]	20
Aroclor-1232	<100000 [1] [2]	<2000 [1] [2]	<200000 [1] [2]	<100 [1] [2]	20
Aroclor-1242	<100000 [1] [2]	<2000 [1] [2]	<200000 [1] [2]	<100 [1] [2]	20
Aroclor-1248	**440000 [1] [2]**	**5700 [1] [2]**	**2000000 [1] [2]**	**280 [1] [2]**	20
Aroclor-1254	<100000 [1] [2]	<2000 [1] [2]	<200000 [1] [2]	<100 [1] [2]	20
Aroclor-1260	<100000 [1] [2]	<2000 [1] [2]	<200000 [1] [2]	<100 [1] [2]	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	0.00 [1] [2] [3]	0.00 [1] [2] [3]	0.00 [1] [2] [3]	105% [1] [2]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: A563024
Date Received: 12/09/05
Date Reported: 01/11/06
Units: ug/kg

Date Sampled:	12/09/05	12/09/05	12/09/05	12/09/05	
Date Prepared:	12/12/05	12/12/05	12/12/05	12/12/05	
Date Analyzed:	12/13/05	12/13/05	12/13/05	12/13/05	
AA ID No:	5L12012-07	5L12012-09	5L12012-13	5L12012-16	
Client ID No:	40-SS-31.5	40-SS-41.5	40-SS-51.5	40-SS-61.5	
Dilution Factor:	10	10	10	10	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<200	<200	<200	<200	20
Aroclor-1221	<200	<200	<200	<200	20
Aroclor-1232	<200	<200	<200	<200	20
Aroclor-1242	<200	<200	<200	<200	20
Aroclor-1248	**710**	**440**	**520**	**400**	20
Aroclor-1254	<200	<200	<200	<200	20
Aroclor-1260	<200	<200	<200	<200	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	0.00 [3]	0.00 [3]	0.00 [3]	0.00 [3]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: A563024
Date Received: 12/09/05
Date Reported: 01/11/06
Units: ug/kg

Date Sampled:	12/09/05	12/09/05	
Date Prepared:	01/05/06	12/12/05	
Date Analyzed:	01/06/06	12/13/05	
AA ID No:	5L12012-17	5L12012-18	
Client ID No:	40-SS-66.5	40-SS-71.5	
Dilution Factor:	5	10	MRL
8082 PCBs (EPA 8082)			
Aroclor-1016	<100 [1] [2]	<200	20
Aroclor-1221	<100 [1] [2]	<200	20
Aroclor-1232	<100 [1] [2]	<200	20
Aroclor-1242	<100 [1] [2]	<200	20
Aroclor-1248	<100 [1] [2]	**490**	20
Aroclor-1254	<100 [1] [2]	<200	20
Aroclor-1260	<100 [1] [2]	<200	20
Surrogates			**%REC Limits**
Tetrachloro-meta-xylene	134% [1] [2]	0.00 [3]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563024
Date Received: 12/09/05
Date Reported: 01/11/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5L1629 - EPA 3550B										
Blank (B5L1629-BLK1)				Prepared: 12/12/05		Analyzed: 12/13/05				
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*2.90*		*ug/kg*	*5.00*		*58.0*	*50-150*			
LCS (B5L1629-BS1)				Prepared: 12/12/05		Analyzed: 12/13/05				
Aroclor-1016	**42.4**	20	ug/kg	50.0		84.8	60-140			
Aroclor-1260	**44.6**	20	ug/kg	50.0		89.2	60-140			
Surrogate: Tetrachloro-meta-xylene	*2.80*		*ug/kg*	*5.00*		*56.0*	*50-150*			
LCS Dup (B5L1629-BSD1)				Prepared: 12/12/05		Analyzed: 12/13/05				
Aroclor-1016	**35.7**	20	ug/kg	50.0		71.4	60-140	17.2	40	
Aroclor-1260	**50.0**	20	ug/kg	50.0		100	60-140	11.4	40	
Surrogate: Tetrachloro-meta-xylene	*2.53*		*ug/kg*	*5.00*		*50.6*	*50-150*			
Batch B6A0504 - EPA 3550B										
Blank (B6A0504-BLK1)				Prepared: 01/03/06		Analyzed: 01/04/06				
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*5.38*		*ug/kg*	*5.00*		*108*	*50-150*			
LCS (B6A0504-BS1)				Prepared: 01/03/06		Analyzed: 01/04/06				
Aroclor-1016	**50.7**	20	ug/kg	50.0		101	60-140			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563024
Date Received: 12/09/05
Date Reported: 01/11/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B6A0504 - EPA 3550B										
LCS (B6A0504-BS1) Continued				Prepared: 01/03/06		Analyzed: 01/04/06				
Aroclor-1260	**55.2**	20	ug/kg	50.0		110	60-140			
Surrogate: Tetrachloro-meta-xylene	*5.25*		*ug/kg*	*5.00*		*105*	*50-150*			
Batch B6A0518 - EPA 3550B										
Blank (B6A0518-BLK1)				Prepared: 01/05/06		Analyzed: 01/06/06				
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*4.65*		*ug/kg*	*5.00*		*93.0*	*50-150*			
LCS (B6A0518-BS1)				Prepared: 01/05/06		Analyzed: 01/06/06				
Aroclor-1016	**46.9**	20	ug/kg	50.0		93.8	60-140			
Aroclor-1260	**51.5**	20	ug/kg	50.0		103	60-140			
Surrogate: Tetrachloro-meta-xylene	*4.58*		*ug/kg*	*5.00*		*91.6*	*50-150*			
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L1601 - EPA 3550B										
Blank (B5L1601-BLK1)				Prepared: 12/14/05		Analyzed: 12/15/05				
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563024
Date Received: 12/09/05
Date Reported: 01/11/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L1601 - EPA 3550B										
Blank (B5L1601-BLK1) Continued				Prepared: 12/14/05		Analyzed: 12/15/05				
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*7.80*		*mg/kg*	*10.0*		*78.0*	*50-150*			
LCS (B5L1601-BS1)				Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**235**		mg/kg	200		118	75-125			
Surrogate: o-Terphenyl	*9.20*		*mg/kg*	*10.0*		*92.0*	*50-150*			
Matrix Spike (B5L1601-MS1)		**Source: 5L13014-07**		Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**198**		mg/kg	200	0.0	99.0	70-130			
Surrogate: o-Terphenyl	*7.90*		*mg/kg*	*10.0*		*79.0*	*50-150*			
Matrix Spike (B5L1601-MS2)		**Source: 5L13006-05**		Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**231**		mg/kg	200	0.0	116	70-130			
Surrogate: o-Terphenyl	*5.10*		*mg/kg*	*10.0*		*51.0*	*50-150*			
Matrix Spike Dup (B5L1601-MSD1)		**Source: 5L13014-07**		Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**213**		mg/kg	200	0.0	106	70-130	7.30	40	
Surrogate: o-Terphenyl	*8.90*		*mg/kg*	*10.0*		*89.0*	*50-150*			
Matrix Spike Dup (B5L1601-MSD2)		**Source: 5L13006-05**		Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**237**		mg/kg	200	0.0	118	70-130	2.56	40	
Surrogate: o-Terphenyl	*10.3*		*mg/kg*	*10.0*		*103*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563024
Date Received: 12/09/05
Date Reported: 01/11/06

Special Notes

[1] = **O-04** : This sample was analyzed outside the EPA recommended holding time.

[2] = **O-05** : This sample was extracted outside of the EPA recommended holding time.

[3] = **S-01** : The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

Viorel Vasile
Operations Manager

A563024 / 5212012

Chain-of-Custody Record

12789

Date: 12/9/05

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

ANALYSES

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260 B / VOCs	EPA 8021	Title 22 Metals	Hold	PCBs (8082)	TPH Carbon Chain 8015 B modified							Acidified	No. of containers
12/9/05	—	Temp-120905-01	W																05	-	1
	—	TB-120905-01	W					H								5212012		-01		2	2
	1100	40-55-8.5	S									X	X					-02		-	2
	1105	40-55-11.5	S									X	X					-03		-	2
	1110	40-55-16.5	S															-04		-	2
	1114	40-55-21.5	S									X	X					-05		-	2
	1121	40-55-26.5	S									X	X					-06		-	2
	1127	40-55-31.5	S									X	X					-07		-	2
	1134	40-55-36.5	S															-08		-	2
	1141	40-55-41.5	S									X	X					-09		-	2
	1207	40-55-45	S															-10		-	2
	1214	40-55-46.5	S															-11		-	2
	1225	40-55-49.0	S															-12		-	2
	1232	40-55-51.5	S									X	X					-13		-	2
	1240	40-55-53.0	S															-14		-	2

Turnaround Time: 5-day TAT for TPH, Standard TAT for Others

Results To: Linda Conlan / Paula Delong

Total No. of containers: 29

REMARKS

Additional Comments

Notes to Lab:

For soil samples in stainless steel sleeves, use sleeves remarked as "Sample". Sleeves remarked as "Extra Volume" to be used ONLY when "Sample" sleeve does not provide enough volume.

H: Hold, do not analyze

(X) added on 01/03/06, as requested by Ann Gonzalez Geomatrix

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Thet Naing	12/9/5	[signature]			
Printed Name: Thet Naing	Time:	Printed Name: Juan Rodriguez	Time:	Printed Name:	Time:
Company: Geomatrix	1515	Company:		Company:	
Received (signature): [signature]	Date:	Received (signature): [signature]	Date: 12/9/5	Received (signature):	Date:
Printed Name: Juan Rodriguez	Time:	Printed Name: Lucinda Clay	Time: 16:23	Printed Name:	Time:
Company: Dynamic / Analytica		Company: [signature]		Company:	

Method of shipment: Lab Courier

Laboratory comments and Log No.: ~~11C2916 3230~~

approval as per work order 12/12/05 1530 V. Vanle [signature]

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

A563024/SL12012

Chain-of-Custody Record

12787

Date: 12/9/05

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCBs (8082)	TPH Carbon Chain 8015B Modified							Acidified	No. of containers
12/9/05	1352	40-55-56.5	S									H	H					15		—	2
"	1404	40-55-61.5	S									X	X					16		—	2
"	1414	40-55-66.5	S									X	H					17		—	2
"	1430	40-55-71.5	S									X	X					18		—	2

Turnaround Time: 5-day TAT for TPH, Standard TAT for Others

Results To: Linda Conlan / Paula Dalong

Total No. of containers: 8

REMARKS

Additional Comments

See page 1 for instructions

! collected 01/05/06, for L. Conlan, Geomatrix

05DEC 9 16:23 16

Relinquished by (signature)	Date	Relinquished by (signature)	Date	Relinquished by (signature)	Date
Thet Naing	TN 1515 12/9/05				
Printed Name: Thet Naing	Time: 1515	Printed Name:	Time:	Printed Name:	Time:
Company: Geomatrix		Company:		Company:	
Received (signature):	Date:	Received (signature):	Date: 12/9/5	Received (signature):	Date:
Printed Name: Juan Rodriguez	Time:	Printed Name: Michele Glazer	Time: 16:23	Printed Name:	Time:
Company: American analytical		Company:		Company:	

Method of shipment: Lab courier

Laboratory comments and Log No.: approved as work order 12/12/05 1530 [illegible]

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

A563024/ 5L1201L

Chain-of-Custody Record

12790

Date: 12/9/05

Page 1 of 1

Project No.: 10627.000.0

Samplers (Signatures): Trent Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCBs (8082)	TPH (8015S)								Acidified	No. of containers
12/9/05	—	Temp-120905-02	W									H	H							50	—	1
↓	—	TB-120905-02	W									H	H						-19		2	2
↓	1450	EB-120905-01	W									H	H						-20		—	2

REMARKS

Additional Comments

H: Hold, do not analyze

Turnaround Time: Standard

Results To: Linda Conlan / Paula Delong

Total No. of containers: 5

05DEC 9 16:23 14

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Method of shipment:
Trent Naing	12/9	[signature]				Lab Courier
Printed Name: Trent Naing	Time:	Printed Name: Juan Rodriguez	Time:	Printed Name:	Time:	Laboratory comments and Log No.:
Company: Geomatrix	1515	Company: American Analytics		Company:		approved co [illegible] 12/12/05 1530 [illegible]
Received (signature): [signature]	Date:	Received (signature):	Date:	Received (signature):	Date:	
Printed Name: Juan Rodriguez	Time:	Printed Name:	Time:	Printed Name:	Time:	
Company: [illegible]		Company:		Company:		

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

January 05, 2006

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

A563025 / 5L13006

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/12/05 19:06 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B Full List					
TB-121205-01	5L13006-01	Water	10	12/12/05 00:00	12/12/05 19:06
8260B/5035 Soil Full List					
13-SS-6.5	5L13006-02	Soil	2	12/12/05 08:30	12/12/05 19:06
13-SS-11.5	5L13006-03	Soil	2	12/12/05 08:40	12/12/05 19:06
13-SS-21.5	5L13006-05	Soil	2	12/12/05 08:55	12/12/05 19:06
13-SS-31.5	5L13006-07	Soil	2	12/12/05 09:10	12/12/05 19:06
13-SS-41.5	5L13006-09	Soil	2	12/12/05 09:30	12/12/05 19:06
13-SS-46.5	5L13006-11	Soil	1	12/12/05 09:50	12/12/05 19:06
Carbon Chain Characterization 8015M					
13-SS-6.5	5L13006-02	Soil	2	12/12/05 08:30	12/12/05 19:06
13-SS-11.5	5L13006-03	Soil	2	12/12/05 08:40	12/12/05 19:06
13-SS-21.5	5L13006-05	Soil	2	12/12/05 08:55	12/12/05 19:06
13-SS-31.5	5L13006-07	Soil	2	12/12/05 09:10	12/12/05 19:06
13-SS-41.5	5L13006-09	Soil	2	12/12/05 09:30	12/12/05 19:06
13-SS-46.5	5L13006-11	Soil	1	12/12/05 09:50	12/12/05 19:06
TPH as Stoddard Solvent					
TB-121205-01	5L13006-01	Water	10	12/12/05 00:00	12/12/05 19:06

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
TPH as Stoddard Solvent (5035)					
13-SS-6.5	5L13006-02	Soil	2	12/12/05 08:30	12/12/05 19:06
13-SS-11.5	5L13006-03	Soil	2	12/12/05 08:40	12/12/05 19:06
13-SS-21.5	5L13006-05	Soil	2	12/12/05 08:55	12/12/05 19:06
13-SS-31.5	5L13006-07	Soil	2	12/12/05 09:10	12/12/05 19:06
13-SS-41.5	5L13006-09	Soil	2	12/12/05 09:30	12/12/05 19:06
13-SS-46.5	5L13006-11	Soil	1	12/12/05 09:50	12/12/05 19:06

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06
Units: mg/kg

Date Sampled:	12/12/05	12/12/05	12/12/05	12/12/05	
Date Prepared:	12/14/05	12/14/05	12/14/05	12/14/05	
Date Analyzed:	12/15/05	12/15/05	12/15/05	12/15/05	
AA ID No:	5L13006-02	5L13006-03	5L13006-05	5L13006-07	
Client ID No:	13-SS-6.5	13-SS-11.5	13-SS-21.5	13-SS-31.5	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	93.0%	112%	64.0%	82.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06
Units: mg/kg

Date Sampled:	12/12/05	12/12/05	
Date Prepared:	12/14/05	12/13/05	
Date Analyzed:	12/15/05	12/13/05	
AA ID No:	5L13006-09	5L13006-11	
Client ID No:	13-SS-41.5	13-SS-46.5	
Dilution Factor:	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)			
C6-C8	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	10
Surrogates			**%REC Limits**
o-Terphenyl	74.0%	90.7%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06
Units: mg/kg

Date Sampled:	12/12/05	12/12/05	12/12/05	12/12/05	
Date Prepared:	12/13/05	12/13/05	12/13/05	12/13/05	
Date Analyzed:	12/13/05	12/13/05	12/13/05	12/13/05	
AA ID No:	5L13006-02	5L13006-03	5L13006-05	5L13006-07	
Client ID No:	13-SS-6.5	13-SS-11.5	13-SS-21.5	13-SS-31.5	
Dilution Factor:	1	1	1	1	MRL
TPH as Stoddard Solvent (5035) (EPA 8260M/5035)					
Stoddard Solvent	<0.50	<0.50	<0.50	<0.50	0.50
Surrogates					**%REC Limits**
Toluene-d8	110%	108%	104%	108%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06
Units: mg/kg

Date Sampled:	12/12/05	12/12/05	
Date Prepared:	12/13/05	12/13/05	
Date Analyzed:	12/13/05	12/13/05	
AA ID No:	5L13006-09	5L13006-11	
Client ID No:	13-SS-41.5	13-SS-46.5	
Dilution Factor:	1	1	MRL
TPH as Stoddard Solvent (5035) (EPA 8260M/5035)			
Stoddard Solvent	<0.50	**1.7**	0.50
Surrogates			**%REC Limits**
Toluene-d8	106%	104%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	A563025
Project No:	10627.000.0	**Date Received:**	12/12/05
Project Name:	Vernon	**Date Reported:**	01/05/06
Sample Matrix:	Water	**Units:**	ug/L
Method:	Purgeable Volatile Organic Compounds by GC/MS		

Date Sampled:	12/12/05	
Date Prepared:	12/13/05	
Date Analyzed:	12/13/05	
AA ID No:	5L13006-01	
Client ID No:	TB-121205-01	
Dilution Factor:	1	MRL
TPH as Stoddard Solvent (EPA 8260M)		
Stoddard Solvent	<100	100
Surrogates		**%REC Limits**
Toluene-d8	98.0%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06
Units: ug/kg

Date Sampled:	12/12/05	12/12/05	12/12/05	12/12/05	
Date Prepared:	12/13/05	12/13/05	12/13/05	12/13/05	
Date Analyzed:	12/13/05	12/13/05	12/13/05	12/13/05	
AA ID No:	5L13006-02	5L13006-03	5L13006-05	5L13006-07	
Client ID No:	13-SS-6.5	13-SS-11.5	13-SS-21.5	13-SS-31.5	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035)					
Acetone	<50	<50	<50	<50	50
tert-Amyl Methyl Ether (TAME)	<5.0	<5.0	<5.0	<5.0	5.0
Benzene	<2.0	<2.0	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	<50	<50	50
tert-Butyl alcohol (TBA)	<20	<20	<20	<20	20
sec-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	<10	<10	10
Dibromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06
Units: ug/kg

Date Sampled:	12/12/05	12/12/05	12/12/05	12/12/05	
Date Prepared:	12/13/05	12/13/05	12/13/05	12/13/05	
Date Analyzed:	12/13/05	12/13/05	12/13/05	12/13/05	
AA ID No:	5L13006-02	5L13006-03	5L13006-05	5L13006-07	
Client ID No:	13-SS-6.5	13-SS-11.5	13-SS-21.5	13-SS-31.5	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
Diisopropyl ether (DIPE)	<5.0	<5.0	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	<2.0	<2.0	2.0
Ethyl-tert-Butyl Ether (ETBE)	<5.0	<5.0	<5.0	<5.0	5.0
Hexachlorobutadiene	<10	<10	<10	<10	10
2-Hexanone (MBK)	<50	<50	<50	<50	50
Isopropylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	<50	<50	50
Naphthalene	<10	<10	<10	<10	10
n-Propylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06
Units: ug/kg

Date Sampled:	12/12/05	12/12/05	12/12/05	12/12/05	
Date Prepared:	12/13/05	12/13/05	12/13/05	12/13/05	
Date Analyzed:	12/13/05	12/13/05	12/13/05	12/13/05	
AA ID No:	5L13006-02	5L13006-03	5L13006-05	5L13006-07	
Client ID No:	13-SS-6.5	13-SS-11.5	13-SS-21.5	13-SS-31.5	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	<5.0	<5.0	<5.0	5.0
Toluene	<2.0	<2.0	<2.0	<2.0	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Trichloroethylene (TCE)	<5.0	<5.0	<5.0	<5.0	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	<5.0	<5.0	5.0
o-Xylene	<2.0	<2.0	<2.0	<2.0	2.0
m,p-Xylenes	<2.0	<2.0	<2.0	<2.0	2.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	104%	102%	112%	104%	80-120
Dibromofluoromethane	78.0%	82.0%	104%	80.0%	80-120
Toluene-d8	108%	104%	100%	104%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06
Units: ug/kg

Date Sampled:	12/12/05	12/12/05	
Date Prepared:	12/13/05	12/13/05	
Date Analyzed:	12/13/05	12/13/05	
AA ID No:	5L13006-09	5L13006-11	
Client ID No:	13-SS-41.5	13-SS-46.5	
Dilution Factor:	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035)			
Acetone	<50	<50	50
tert-Amyl Methyl Ether (TAME)	<5.0	<5.0	5.0
Benzene	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	50
tert-Butyl alcohol (TBA)	<20	<20	20
sec-Butylbenzene	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	10
Dibromochloromethane	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06
Units: ug/kg

Date Sampled:	12/12/05	12/12/05	
Date Prepared:	12/13/05	12/13/05	
Date Analyzed:	12/13/05	12/13/05	
AA ID No:	5L13006-09	5L13006-11	
Client ID No:	13-SS-41.5	13-SS-46.5	
Dilution Factor:	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)			
1,2-Dichlorobenzene	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	5.0
1,1-Dichloroethane	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	5.0
Diisopropyl ether (DIPE)	<5.0	<5.0	5.0
Ethylbenzene	<2.0	**8.6**	2.0
Ethyl-tert-Butyl Ether (ETBE)	<5.0	<5.0	5.0
Hexachlorobutadiene	<10	<10	10
2-Hexanone (MBK)	<50	<50	50
Isopropylbenzene	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	50
Naphthalene	<10	**74**	10
n-Propylbenzene	<5.0	**7.2**	5.0
Styrene	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06
Units: ug/kg

Date Sampled:	12/12/05	12/12/05	
Date Prepared:	12/13/05	12/13/05	
Date Analyzed:	12/13/05	12/13/05	
AA ID No:	5L13006-09	5L13006-11	
Client ID No:	13-SS-41.5	13-SS-46.5	
Dilution Factor:	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)			
1,1,2,2-Tetrachloroethane	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	<5.0	5.0
Toluene	<2.0	**3.9**	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	5.0
Trichloroethylene (TCE)	<5.0	<5.0	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	**25**	5.0
1,2,4-Trimethylbenzene	<5.0	**110**	5.0
Vinyl chloride	<5.0	<5.0	5.0
o-Xylene	<2.0	**33**	2.0
m,p-Xylenes	<2.0	**56**	2.0

Surrogates			**%REC Limits**
4-Bromofluorobenzene	100%	100%	80-120
Dibromofluoromethane	84.0%	80.0%	80-120
Toluene-d8	106%	108%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06
Units: ug/L

Date Sampled:	12/12/05	
Date Prepared:	12/13/05	
Date Analyzed:	12/13/05	
AA ID No:	5L13006-01	
Client ID No:	TB-121205-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B)

Acetone	<10	10
tert-Amyl Methyl Ether (TAME)	<2.0	2.0
Benzene	<0.50	0.50
Bromobenzene	<0.50	0.50
Bromochloromethane	<0.50	0.50
Bromodichloromethane	<0.50	0.50
Bromoform	<0.50	0.50
Bromomethane	<0.50	0.50
2-Butanone (MEK)	<10	10
tert-Butyl alcohol (TBA)	<10	10
tert-Butylbenzene	<0.50	0.50
sec-Butylbenzene	<0.50	0.50
n-Butylbenzene	<0.50	0.50
Carbon Disulfide	<0.50	0.50
Carbon Tetrachloride	<0.50	0.50
Chlorobenzene	<0.50	0.50
Chloroethane	<0.50	0.50
Chloroform	<0.50	0.50
Chloromethane	<0.50	0.50
4-Chlorotoluene	<0.50	0.50
2-Chlorotoluene	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	1.0
Dibromochloromethane	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	0.50
Dibromomethane	<0.50	0.50
1,2-Dichlorobenzene	<0.50	0.50
1,4-Dichlorobenzene	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06
Units: ug/L

Date Sampled:	12/12/05	
Date Prepared:	12/13/05	
Date Analyzed:	12/13/05	
AA ID No:	5L13006-01	
Client ID No:	TB-121205-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B) (continued)

1,3-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50
1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	2.0
Ethylbenzene	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	<0.50	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	<2.0	2.0
n-Propylbenzene	<0.50	0.50
Styrene	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06
Units: ug/L

Date Sampled:	12/12/05	
Date Prepared:	12/13/05	
Date Analyzed:	12/13/05	
AA ID No:	5L13006-01	
Client ID No:	TB-121205-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B) (continued)

1,1,2,2-Tetrachloroethane	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	0.50
Toluene	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	0.50
1,1,2-Trichloroethane	<0.50	0.50
1,1,1-Trichloroethane	<0.50	0.50
Trichloroethylene (TCE)	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	0.50
1,2,3-Trichloropropane	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	0.50
Vinyl chloride	<0.50	0.50
o-Xylene	<0.50	0.50
m,p-Xylenes	<1.0	1.0

Surrogates		**%REC Limits**
4-Bromofluorobenzene	98.0%	80-120
Dibromofluoromethane	90.0%	80-120
Toluene-d8	96.0%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1401 - EPA 5035										
Blank (B5L1401-BLK1)				Prepared & Analyzed: 12/13/05						
Acetone	<50	50	ug/kg							
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1401 - EPA 5035										
Blank (B5L1401-BLK1) Continued				Prepared & Analyzed: 12/13/05						
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1401 - EPA 5035										
Blank (B5L1401-BLK1) Continued				Prepared & Analyzed: 12/13/05						
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*87.8*		*ug/kg*	*100*		*87.8*	*80-120*			
Surrogate: Dibromofluoromethane	*99.0*		*ug/kg*	*100*		*99.0*	*80-120*			
Surrogate: Toluene-d8	*94.6*		*ug/kg*	*100*		*94.6*	*80-120*			
LCS (B5L1401-BS1)				Prepared & Analyzed: 12/13/05						
Benzene	**41.0**	2.0	ug/kg	40.0		102	75-125			
Bromodichloromethane	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
Bromoform	**30.2**	5.0	ug/kg	40.0		75.5	75-125			
Carbon Tetrachloride	**41.6**	5.0	ug/kg	40.0		104	75-125			
Chlorobenzene	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
Chloroethane	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
Chloroform	**39.8**	5.0	ug/kg	40.0		99.5	75-125			
Chloromethane	**44.2**	5.0	ug/kg	40.0		110	75-125			
Dibromochloromethane	**34.2**	5.0	ug/kg	40.0		85.5	75-125			
1,4-Dichlorobenzene	**37.4**	5.0	ug/kg	40.0		93.5	75-125			
1,1-Dichloroethane	**40.6**	5.0	ug/kg	40.0		102	75-125			
1,2-Dichloroethane (EDC)	**38.0**	5.0	ug/kg	40.0		95.0	75-125			
trans-1,2-Dichloroethylene	**43.6**	5.0	ug/kg	40.0		109	75-125			
cis-1,2-Dichloroethylene	**43.4**	5.0	ug/kg	40.0		108	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1401 - EPA 5035										
LCS (B5L1401-BS1) Continued				Prepared & Analyzed: 12/13/05						
1,1-Dichloroethylene	**41.8**	5.0	ug/kg	40.0		104	75-125			
1,2-Dichloropropane	**38.8**	5.0	ug/kg	40.0		97.0	75-125			
cis-1,3-Dichloropropylene	**41.6**	5.0	ug/kg	40.0		104	75-125			
Ethylbenzene	**37.6**	2.0	ug/kg	40.0		94.0	75-125			
Methyl-tert-Butyl Ether (MTBE)	**38.0**	5.0	ug/kg	40.0		95.0	75-125			
Methylene Chloride	**42.0**	50	ug/kg	40.0		105	75-125			
n-Propylbenzene	**40.2**	5.0	ug/kg	40.0		100	75-125			
1,1,2,2-Tetrachloroethane	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
Tetrachloroethylene (PCE)	**39.0**	5.0	ug/kg	40.0		97.5	75-125			
Toluene	**37.6**	2.0	ug/kg	40.0		94.0	75-125			
1,1,2-Trichloroethane	**36.6**	5.0	ug/kg	40.0		91.5	75-125			
1,1,1-Trichloroethane	**39.0**	5.0	ug/kg	40.0		97.5	75-125			
Trichloroethylene (TCE)	**41.0**	5.0	ug/kg	40.0		102	75-125			
Vinyl chloride	**40.2**	5.0	ug/kg	40.0		100	75-125			
o-Xylene	**37.4**	2.0	ug/kg	40.0		93.5	75-125			
Surrogate: 4-Bromofluorobenzene	*98.6*		*ug/kg*	*100*		*98.6*	*80-120*			
Surrogate: Dibromofluoromethane	*100*		*ug/kg*	*100*		*100*	*80-120*			
Surrogate: Toluene-d8	*94.0*		*ug/kg*	*100*		*94.0*	*80-120*			
Matrix Spike (B5L1401-MS1)			**Source: 5L13006-05**	Prepared & Analyzed: 12/13/05						
Benzene	**39.4**	2.0	ug/kg	40.0	<2.0	98.5	70-130			
Bromoform	**31.8**	5.0	ug/kg	40.0	<5.0	79.5	70-130			
Chlorobenzene	**37.0**	5.0	ug/kg	40.0	<5.0	92.5	70-130			
Chloroform	**38.8**	5.0	ug/kg	40.0	<5.0	97.0	70-130			
1,1-Dichloroethane	**39.8**	5.0	ug/kg	40.0	<5.0	99.5	70-130			
cis-1,2-Dichloroethylene	**42.6**	5.0	ug/kg	40.0	<5.0	106	70-130			
1,1-Dichloroethylene	**40.0**	5.0	ug/kg	40.0	<5.0	100	70-130			
1,2-Dichloropropane	**39.0**	5.0	ug/kg	40.0	<5.0	97.5	70-130			
Ethylbenzene	**35.8**	2.0	ug/kg	40.0	<2.0	89.5	70-130			
Methyl-tert-Butyl Ether (MTBE)	**38.4**	5.0	ug/kg	40.0	<5.0	96.0	70-130			
n-Propylbenzene	**37.6**	5.0	ug/kg	40.0	<5.0	94.0	70-130			
Tetrachloroethylene (PCE)	**37.2**	5.0	ug/kg	40.0	<5.0	93.0	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1401 - EPA 5035										
Matrix Spike (B5L1401-MS1) Continued			**Source: 5L13006-05**	Prepared & Analyzed: 12/13/05						
Toluene	**35.8**	2.0	ug/kg	40.0	<2.0	89.5	70-130			
1,1,1-Trichloroethane	**37.6**	5.0	ug/kg	40.0	<5.0	94.0	70-130			
Trichloroethylene (TCE)	**40.8**	5.0	ug/kg	40.0	<5.0	102	70-130			
1,3,5-Trimethylbenzene	**36.0**	5.0	ug/kg	40.0	<5.0	90.0	70-130			
Vinyl chloride	**35.2**	5.0	ug/kg	40.0	<5.0	88.0	70-130			
Surrogate: 4-Bromofluorobenzene	*100*		*ug/kg*	*100*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*104*		*ug/kg*	*100*		*104*	*80-120*			
Surrogate: Toluene-d8	*93.4*		*ug/kg*	*100*		*93.4*	*80-120*			
Matrix Spike Dup (B5L1401-MSD1)			**Source: 5L13006-05**	Prepared & Analyzed: 12/13/05						
Benzene	**38.6**	2.0	ug/kg	40.0	<2.0	96.5	70-130	2.05	40	
Bromoform	**33.6**	5.0	ug/kg	40.0	<5.0	84.0	70-130	5.50	40	
Chlorobenzene	**42.0**	5.0	ug/kg	40.0	<5.0	105	70-130	12.7	40	
Chloroform	**35.6**	5.0	ug/kg	40.0	<5.0	89.0	70-130	8.60	40	
1,1-Dichloroethane	**36.2**	5.0	ug/kg	40.0	<5.0	90.5	70-130	9.47	40	
cis-1,2-Dichloroethylene	**39.4**	5.0	ug/kg	40.0	<5.0	98.5	70-130	7.80	40	
1,1-Dichloroethylene	**37.0**	5.0	ug/kg	40.0	<5.0	92.5	70-130	7.79	40	
1,2-Dichloropropane	**36.4**	5.0	ug/kg	40.0	<5.0	91.0	70-130	6.90	40	
Ethylbenzene	**41.0**	2.0	ug/kg	40.0	<2.0	102	70-130	13.5	40	
Methyl-tert-Butyl Ether (MTBE)	**34.6**	5.0	ug/kg	40.0	<5.0	86.5	70-130	10.4	40	
n-Propylbenzene	**39.6**	5.0	ug/kg	40.0	<5.0	99.0	70-130	5.18	40	
Tetrachloroethylene (PCE)	**43.2**	5.0	ug/kg	40.0	<5.0	108	70-130	14.9	40	
Toluene	**41.0**	2.0	ug/kg	40.0	<2.0	102	70-130	13.5	40	
1,1,1-Trichloroethane	**36.4**	5.0	ug/kg	40.0	<5.0	91.0	70-130	3.24	40	
Trichloroethylene (TCE)	**40.2**	5.0	ug/kg	40.0	<5.0	100	70-130	1.48	40	
1,3,5-Trimethylbenzene	**38.0**	5.0	ug/kg	40.0	<5.0	95.0	70-130	5.41	40	
Vinyl chloride	**36.6**	5.0	ug/kg	40.0	<5.0	91.5	70-130	3.90	40	
Surrogate: 4-Bromofluorobenzene	*102*		*ug/kg*	*100*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*94.0*		*ug/kg*	*100*		*94.0*	*80-120*			
Surrogate: Toluene-d8	*107*		*ug/kg*	*100*		*107*	*80-120*			
Batch B5L1412 - EPA 5030B										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1412 - EPA 5030B										
Blank (B5L1412-BLK1)				Prepared & Analyzed: 12/13/05						
Acetone	<10	10	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1412 - EPA 5030B										
Blank (B5L1412-BLK1) Continued				Prepared & Analyzed: 12/13/05						
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1412 - EPA 5030B										
Blank (B5L1412-BLK1) Continued				Prepared & Analyzed: 12/13/05						
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*43.9*		*ug/L*	*50.0*		*87.8*	*80-120*			
Surrogate: Dibromofluoromethane	*49.5*		*ug/L*	*50.0*		*99.0*	*80-120*			
Surrogate: Toluene-d8	*47.3*		*ug/L*	*50.0*		*94.6*	*80-120*			
LCS (B5L1412-BS1)				Prepared & Analyzed: 12/13/05						
Benzene	**20.5**	0.50	ug/L	20.0		102	75-125			
Bromodichloromethane	**18.9**	0.50	ug/L	20.0		94.5	75-125			
Bromoform	**15.1**	0.50	ug/L	20.0		75.5	75-125			
Carbon Tetrachloride	**20.8**	0.50	ug/L	20.0		104	75-125			
Chlorobenzene	**19.1**	0.50	ug/L	20.0		95.5	75-125			
Chloroethane	**18.4**	0.50	ug/L	20.0		92.0	75-125			
Chloroform	**19.9**	0.50	ug/L	20.0		99.5	75-125			
Chloromethane	**22.1**	0.50	ug/L	20.0		110	75-125			
Dibromochloromethane	**17.1**	0.50	ug/L	20.0		85.5	75-125			
1,4-Dichlorobenzene	**18.7**	0.50	ug/L	20.0		93.5	75-125			
1,1-Dichloroethane	**20.3**	0.50	ug/L	20.0		102	75-125			
1,2-Dichloroethane (EDC)	**19.0**	0.50	ug/L	20.0		95.0	75-125			
cis-1,2-Dichloroethylene	**21.7**	0.50	ug/L	20.0		108	75-125			
trans-1,2-Dichloroethylene	**21.8**	0.50	ug/L	20.0		109	75-125			
1,1-Dichloroethylene	**20.9**	0.50	ug/L	20.0		104	75-125			
1,2-Dichloropropane	**19.4**	0.50	ug/L	20.0		97.0	75-125			
cis-1,3-Dichloropropylene	**20.8**	0.50	ug/L	20.0		104	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1412 - EPA 5030B										
LCS (B5L1412-BS1) Continued				Prepared & Analyzed: 12/13/05						
Ethylbenzene	**18.8**	0.50	ug/L	20.0		94.0	75-125			
Methyl-tert-Butyl Ether (MTBE)	**19.0**	2.0	ug/L	20.0		95.0	75-125			
Methylene Chloride	**21.0**	5.0	ug/L	20.0		105	75-125			
1,1,2,2-Tetrachloroethane	**18.1**	0.50	ug/L	20.0		90.5	75-125			
Tetrachloroethylene (PCE)	**19.5**	0.50	ug/L	20.0		97.5	75-125			
Toluene	**18.8**	0.50	ug/L	20.0		94.0	75-125			
1,1,2-Trichloroethane	**18.3**	0.50	ug/L	20.0		91.5	75-125			
1,1,1-Trichloroethane	**19.5**	0.50	ug/L	20.0		97.5	75-125			
Trichloroethylene (TCE)	**20.5**	0.50	ug/L	20.0		102	75-125			
Vinyl chloride	**20.1**	0.50	ug/L	20.0		100	75-125			
o-Xylene	**18.7**	0.50	ug/L	20.0		93.5	75-125			
Surrogate: 4-Bromofluorobenzene	*49.3*		*ug/L*	*50.0*		*98.6*	*80-120*			
Surrogate: Dibromofluoromethane	*50.0*		*ug/L*	*50.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*47.0*		*ug/L*	*50.0*		*94.0*	*80-120*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1408 - EPA 5035										
Blank (B5L1408-BLK1)				Prepared & Analyzed: 12/13/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.0976*		*mg/kg*	*0.100*		*97.6*	*80-120*			
LCS (B5L1408-BS1)				Prepared & Analyzed: 12/13/05						
Stoddard Solvent	**1.02**	0.50	mg/kg	1.00		102	75-125			
Surrogate: Toluene-d8	*0.0880*		*mg/kg*	*0.100*		*88.0*	*80-120*			
LCS Dup (B5L1408-BSD1)				Prepared & Analyzed: 12/13/05						
Stoddard Solvent	**1.12**	0.50	mg/kg	1.00		112	75-125	9.35	30	
Surrogate: Toluene-d8	*0.0896*		*mg/kg*	*0.100*		*89.6*	*80-120*			
Batch B5L1415 - EPA 5030B										
Blank (B5L1415-BLK1)				Prepared & Analyzed: 12/13/05						
Stoddard Solvent	<100	100	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1415 - EPA 5030B										
Blank (B5L1415-BLK1) Continued				Prepared & Analyzed: 12/13/05						
Surrogate: Toluene-d8	*48.8*		*ug/L*	*50.0*		*97.6*	*80-120*			
LCS (B5L1415-BS1)				Prepared & Analyzed: 12/13/05						
Stoddard Solvent	**510**	100	ug/L	500		102	75-125			
Surrogate: Toluene-d8	*44.0*		*ug/L*	*50.0*		*88.0*	*80-120*			
LCS Dup (B5L1415-BSD1)				Prepared & Analyzed: 12/13/05						
Stoddard Solvent	**560**	100	ug/L	500		112	75-125	9.35	30	
Surrogate: Toluene-d8	*44.8*		*ug/L*	*50.0*		*89.6*	*80-120*			
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L1314 - EPA 3550B										
Blank (B5L1314-BLK1)				Prepared & Analyzed: 12/13/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*8.66*		*mg/kg*	*10.0*		*86.6*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L1314 - EPA 3550B										
LCS (B5L1314-BS1)				Prepared & Analyzed: 12/13/05						
Diesel Range Organics as Diesel	**236**		mg/kg	200		118	75-125			
Surrogate: o-Terphenyl	*12.9*		*mg/kg*	*10.0*		*129*	*50-150*			
Matrix Spike (B5L1314-MS1)				Prepared & Analyzed: 12/13/05						
Diesel Range Organics as Diesel	**245**		mg/kg	200		122	70-130			
Surrogate: o-Terphenyl	*13.5*		*mg/kg*	*10.0*		*135*	*50-150*			
Matrix Spike Dup (B5L1314-MSD1)				Prepared & Analyzed: 12/13/05						
Diesel Range Organics as Diesel	**226**		mg/kg	200		113	70-130	8.07	40	
Surrogate: o-Terphenyl	*13.5*		*mg/kg*	*10.0*		*135*	*50-150*			
Batch B5L1601 - EPA 3550B										
Blank (B5L1601-BLK1)				Prepared: 12/14/05 Analyzed: 12/15/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*7.80*		*mg/kg*	*10.0*		*78.0*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L1601 - EPA 3550B										
LCS (B5L1601-BS1)				Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**235**		mg/kg	200		118	75-125			
Surrogate: o-Terphenyl	*9.20*		*mg/kg*	*10.0*		*92.0*	*50-150*			
Matrix Spike (B5L1601-MS1)		**Source: 5L13014-07**		Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**198**		mg/kg	200	0.0	99.0	70-130			
Surrogate: o-Terphenyl	*7.90*		*mg/kg*	*10.0*		*79.0*	*50-150*			
Matrix Spike (B5L1601-MS2)		**Source: 5L13006-05**		Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**231**		mg/kg	200	0.0	116	70-130			
Surrogate: o-Terphenyl	*5.10*		*mg/kg*	*10.0*		*51.0*	*50-150*			
Matrix Spike Dup (B5L1601-MSD1)		**Source: 5L13014-07**		Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**213**		mg/kg	200	0.0	106	70-130	7.30	40	
Surrogate: o-Terphenyl	*8.90*		*mg/kg*	*10.0*		*89.0*	*50-150*			
Matrix Spike Dup (B5L1601-MSD2)		**Source: 5L13006-05**		Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**237**		mg/kg	200	0.0	118	70-130	2.56	40	
Surrogate: o-Terphenyl	*10.3*		*mg/kg*	*10.0*		*103*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563025
Date Received: 12/12/05
Date Reported: 01/05/06

Special Notes

Viorel Vasile
Operations Manager

A563025/SL13006

Chain-of-Custody Record

12788

Date: 12/12/05

Page 1 of 1

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	VOCs (8260B 8021)	TPH Carbon Chain 8015B Modified							Acidified	No. of containers
12/12/05	—	Temp-121205-01	W												5L13006			SC	—		1
	—	TB-121205-01	W									X	X	TN				-01	2		2
	830	13-55-6.5	S									X	X					-02			4
	840	13-55-11.5	S									X	X					-03			4
	850	13-55-16.5	S									H	H					-04			4
	855	13-55-21.5	S									X	X					-05			8
	902	13-55-26.5	S									H	H					-06			4
	910	13-55-31.5	S									X	X					-07			4
	920	13-55-36.5	S									H	H					-08			4
	930	13-55-41.5	S									X	X					-09			4
	940	13-55-43.5	S									H	H					-10			4
	950	13-55-46.5	S									X	X					-11			4

ANALYSES

REMARKS

Additional Comments

Notes to Lab

H: Hold, do not analyze

← RUN MS/MSD

← 24Hr TAT for this sample only

(X): 48Hr TAT requested by P. Delong on 12/14/05

Total No. of containers: 47

Turnaround Time: 5-day TAT for TPH, standard TAT for Others

Results To: Linda Conlan / Paula Delong

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Thet Naing	12/12/05	Keith Zolezzi	12/12/05		
Printed Name: Thet Naing	Time: 1600	Printed Name: Keith Zolezzi	Time: 1905	Printed Name:	Time:
Company: Geomatrix		Company: American Analytics		Company:	
Received (signature):	Date: 12/12/05	Received (signature):	Date: 12/12/05	Received (signature):	Date:
Printed Name: Keith Zolezzi	Time: 1600	Printed Name: Ludmila Glazenda	Time: 19:06	Printed Name:	Time:
Company: American Analytics		Company: AA		Company:	

Method of shipment: Lab Courier

Laboratory comments and Log No.: approved on work order 12/13/05 1030 V. Vanla

05DEC 12 19:06

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

AD65045 / SL13006

Chain-of-Custody Record

12793

Date: 12/12/05

Page 1 of 1

Project No.: 10627.000.6

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	VOCs (8260B)	TPH Carbon chain 8015 B mod							Acidified	No. of containers
12/12/05	—	Temp-121205-02	W																SC	—	1
↓	—	TB-121205-02	W									H						—	12	2	2
↓	1235	EB-121205-01	W									H	H					—	13	3	4

ANALYSES

REMARKS

Additional Comments

Notes to Lab

H: Hold, do not analyze.

Turnaround Time: Standard TAT

Results To: Linda Conlan / Paula DeLong

Total No. of containers: 7

Relinquished by (signature)	Date	Relinquished by (signature)	Date	Relinquished by (signature)	Date
Thet Naing	12/12/05	Keith Zolezzi	12/12/05		
Printed Name: Thet Naing	Time: 1600	Printed Name: Keith Zolezzi	Time: 1905	Printed Name:	Time:
Company: Geomatrix		Company: American Analytics		Company:	
Received (signature)	**Date**	**Received (signature)**	**Date**	**Received (signature)**	**Date**
Keith Zolezzi	12/12/05	[signature]	12/12/05		
Printed Name: Keith Zolezzi	Time: 1600	Printed Name: Lydia Glazent	Time: 19:06	Printed Name:	Time:
Company: American Analytics		Company: AA		Company:	

Method of shipment: Lab Courier

Laboratory comments and Log No.: approved as work order 12/13/05 1030 V. Vella

05DEC 12 19:06 1

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

January 12, 2006

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

A563026 / 5L13014

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/13/05 17:07 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B Full List					
TB-121305-01	5L13014-01	Water	10	12/13/05 00:00	12/13/05 17:07
8260B/5035 Soil Full List					
14-SS-6.5	5L13014-02	Soil	2	12/13/05 08:05	12/13/05 17:07
14-SS-11.5	5L13014-03	Soil	2	12/13/05 08:15	12/13/05 17:07
14-SS-21.5	5L13014-05	Soil	2	12/13/05 08:30	12/13/05 17:07
14-SS-31.5	5L13014-07	Soil	2	12/13/05 08:45	12/13/05 17:07
14-SS-43.5	5L13014-10	Soil	2	12/13/05 09:15	12/13/05 17:07
14-SS-46.5	5L13014-11	Soil	1	12/13/05 09:20	12/13/05 17:07
14-SS-48.5	5L13014-12	Soil	1	12/13/05 09:30	12/13/05 17:07
Carbon Chain Characterization 8015M					
14-SS-6.5	5L13014-02	Soil	2	12/13/05 08:05	12/13/05 17:07
14-SS-11.5	5L13014-03	Soil	2	12/13/05 08:15	12/13/05 17:07
14-SS-21.5	5L13014-05	Soil	2	12/13/05 08:30	12/13/05 17:07
14-SS-31.5	5L13014-07	Soil	2	12/13/05 08:45	12/13/05 17:07
14-SS-43.5	5L13014-10	Soil	2	12/13/05 09:15	12/13/05 17:07
14-SS-46.5	5L13014-11	Soil	1	12/13/05 09:20	12/13/05 17:07

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
14-SS-48.5	5L13014-12	Soil	1	12/13/05 09:30	12/13/05 17:07
TPH as Stoddard Solvent					
TB-121305-01	5L13014-01	Water	10	12/13/05 00:00	12/13/05 17:07
TPH as Stoddard Solvent (5035)					
14-SS-6.5	5L13014-02	Soil	2	12/13/05 08:05	12/13/05 17:07
14-SS-11.5	5L13014-03	Soil	2	12/13/05 08:15	12/13/05 17:07
14-SS-21.5	5L13014-05	Soil	2	12/13/05 08:30	12/13/05 17:07
14-SS-31.5	5L13014-07	Soil	2	12/13/05 08:45	12/13/05 17:07
14-SS-43.5	5L13014-10	Soil	2	12/13/05 09:15	12/13/05 17:07
14-SS-46.5	5L13014-11	Soil	1	12/13/05 09:20	12/13/05 17:07
14-SS-48.5	5L13014-12	Soil	1	12/13/05 09:30	12/13/05 17:07

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	12/13/05	12/13/05	12/13/05	12/13/05	
Date Prepared:	12/14/05	12/14/05	12/14/05	12/14/05	
Date Analyzed:	12/15/05	12/15/05	12/15/05	12/15/05	
AA ID No:	5L13014-02	5L13014-03	5L13014-05	5L13014-07	
Client ID No:	14-SS-6.5	14-SS-11.5	14-SS-21.5	14-SS-31.5	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	70.0%	74.0%	79.0%	73.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	12/13/05	12/13/05	12/13/05	
Date Prepared:	12/14/05	12/14/05	12/14/05	
Date Analyzed:	12/16/05	12/14/05	12/14/05	
AA ID No:	5L13014-10	5L13014-11	5L13014-12	
Client ID No:	14-SS-43.5	14-SS-46.5	14-SS-48.5	
Dilution Factor:	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)				
C6-C8	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	10
Surrogates				**%REC Limits**
o-Terphenyl	70.0%	72.0%	75.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	12/13/05	12/13/05	12/13/05	12/13/05	
Date Prepared:	12/15/05	12/15/05	12/15/05	12/15/05	
Date Analyzed:	12/15/05	12/15/05	12/15/05	12/15/05	
AA ID No:	5L13014-02	5L13014-03	5L13014-05	5L13014-07	
Client ID No:	14-SS-6.5	14-SS-11.5	14-SS-21.5	14-SS-31.5	
Dilution Factor:	1	1	1	1	MRL
TPH as Stoddard Solvent (5035) (EPA 8260M/5035)					
Stoddard Solvent	<0.50	<0.50	<0.50	<0.50	0.50
Surrogates					**%REC Limits**
Toluene-d8	110%	104%	111%	106%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	12/13/05	12/13/05	12/13/05	
Date Prepared:	12/15/05	12/14/05	12/14/05	
Date Analyzed:	12/15/05	12/14/05	12/14/05	
AA ID No:	5L13014-10	5L13014-11	5L13014-12	
Client ID No:	14-SS-43.5	14-SS-46.5	14-SS-48.5	
Dilution Factor:	1	1	1	MRL
TPH as Stoddard Solvent (5035) (EPA 8260M/5035)				
Stoddard Solvent	<0.50	<0.50	<0.50	0.50
Surrogates				**%REC Limits**
Toluene-d8	110%	110%	110%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	A563026
Project No:	10627.000.0	**Date Received:**	12/13/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Sample Matrix:	Water	**Units:**	ug/L
Method:	Purgeable Volatile Organic Compounds by GC/MS		

Date Sampled:	12/13/05	
Date Prepared:	12/15/05	
Date Analyzed:	12/15/05	
AA ID No:	5L13014-01	
Client ID No:	TB-121305-01	
Dilution Factor:	1	MRL
TPH as Stoddard Solvent (EPA 8260M)		
Stoddard Solvent	<100	100
Surrogates		**%REC Limits**
Toluene-d8	102%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	12/13/05	12/13/05	12/13/05	12/13/05	
Date Prepared:	12/15/05	12/15/05	12/15/05	12/15/05	
Date Analyzed:	12/15/05	12/15/05	12/15/05	12/15/05	
AA ID No:	5L13014-02	5L13014-03	5L13014-05	5L13014-07	
Client ID No:	14-SS-6.5	14-SS-11.5	14-SS-21.5	14-SS-31.5	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035)					
Acetone	<50	<50	<50	<50	50
tert-Amyl Methyl Ether (TAME)	<5.0	<5.0	<5.0	<5.0	5.0
Benzene	<2.0	<2.0	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	<50	<50	50
tert-Butyl alcohol (TBA)	<20	<20	<20	<20	20
sec-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	<10	<10	10
Dibromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	12/13/05	12/13/05	12/13/05	12/13/05	
Date Prepared:	12/15/05	12/15/05	12/15/05	12/15/05	
Date Analyzed:	12/15/05	12/15/05	12/15/05	12/15/05	
AA ID No:	5L13014-02	5L13014-03	5L13014-05	5L13014-07	
Client ID No:	14-SS-6.5	14-SS-11.5	14-SS-21.5	14-SS-31.5	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
Diisopropyl ether (DIPE)	<5.0	<5.0	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	<2.0	<2.0	2.0
Ethyl-tert-Butyl Ether (ETBE)	<5.0	<5.0	<5.0	<5.0	5.0
Hexachlorobutadiene	<10	<10	<10	<10	10
2-Hexanone (MBK)	<50	<50	<50	<50	50
Isopropylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	<50	<50	50
Naphthalene	<10	<10	<10	<10	10
n-Propylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	12/13/05	12/13/05	12/13/05	12/13/05	
Date Prepared:	12/15/05	12/15/05	12/15/05	12/15/05	
Date Analyzed:	12/15/05	12/15/05	12/15/05	12/15/05	
AA ID No:	5L13014-02	5L13014-03	5L13014-05	5L13014-07	
Client ID No:	14-SS-6.5	14-SS-11.5	14-SS-21.5	14-SS-31.5	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	**8.4**	<5.0	**12**	<5.0	5.0
Toluene	<2.0	<2.0	<2.0	<2.0	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Trichloroethylene (TCE)	**83**	**53**	**280**	**81**	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	<5.0	<5.0	5.0
o-Xylene	<2.0	<2.0	<2.0	<2.0	2.0
m,p-Xylenes	<2.0	<2.0	<2.0	<2.0	2.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	96.0%	102%	116%	108%	80-120
Dibromofluoromethane	96.0%	111%	104%	100%	80-120
Toluene-d8	112%	98.1%	111%	104%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	12/13/05	12/13/05	12/13/05	
Date Prepared:	12/15/05	12/14/05	12/14/05	
Date Analyzed:	12/15/05	12/14/05	12/14/05	
AA ID No:	5L13014-10	5L13014-11	5L13014-12	
Client ID No:	14-SS-43.5	14-SS-46.5	14-SS-48.5	
Dilution Factor:	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035)				
Acetone	<50	<50	<50	50
tert-Amyl Methyl Ether (TAME)	<5.0	<5.0	<5.0	5.0
Benzene	<2.0	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	<50	50
tert-Butyl alcohol (TBA)	<20	<20	<20	20
sec-Butylbenzene	<5.0	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	<10	10
Dibromochloromethane	<5.0	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	12/13/05	12/13/05	12/13/05	
Date Prepared:	12/15/05	12/14/05	12/14/05	
Date Analyzed:	12/15/05	12/14/05	12/14/05	
AA ID No:	5L13014-10	5L13014-11	5L13014-12	
Client ID No:	14-SS-43.5	14-SS-46.5	14-SS-48.5	
Dilution Factor:	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)				
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	5.0
Diisopropyl ether (DIPE)	<5.0	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	<2.0	2.0
Ethyl-tert-Butyl Ether (ETBE)	<5.0	<5.0	<5.0	5.0
Hexachlorobutadiene	<10	<10	<10	10
2-Hexanone (MBK)	<50	<50	<50	50
Isopropylbenzene	<5.0	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	<50	50
Naphthalene	<10	<10	<10	10
n-Propylbenzene	<5.0	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	12/13/05	12/13/05	12/13/05	
Date Prepared:	12/15/05	12/14/05	12/14/05	
Date Analyzed:	12/15/05	12/14/05	12/14/05	
AA ID No:	5L13014-10	5L13014-11	5L13014-12	
Client ID No:	14-SS-43.5	14-SS-46.5	14-SS-48.5	
Dilution Factor:	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)				
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	**59**	**61**	5.0
Toluene	<2.0	<2.0	<2.0	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	5.0
Trichloroethylene (TCE)	**39**	**3700**	**2200**	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	<5.0	5.0
o-Xylene	<2.0	<2.0	<2.0	2.0
m,p-Xylenes	<2.0	<2.0	<2.0	2.0

Surrogates				**%REC Limits**
4-Bromofluorobenzene	97.9%	106%	112%	80-120
Dibromofluoromethane	82.0%	82.0%	106%	80-120
Toluene-d8	100%	108%	110%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06
Units: ug/L

Date Sampled:	12/13/05	
Date Prepared:	12/15/05	
Date Analyzed:	12/15/05	
AA ID No:	5L13014-01	
Client ID No:	TB-121305-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B)

Acetone	<10	10
Benzene	<0.50	0.50
Bromobenzene	<0.50	0.50
Bromochloromethane	<0.50	0.50
Bromodichloromethane	<0.50	0.50
Bromoform	<0.50	0.50
Bromomethane	<0.50	0.50
2-Butanone (MEK)	<10	10
tert-Butylbenzene	<0.50	0.50
sec-Butylbenzene	<0.50	0.50
n-Butylbenzene	<0.50	0.50
Carbon Disulfide	<0.50	0.50
Carbon Tetrachloride	<0.50	0.50
Chlorobenzene	<0.50	0.50
Chloroethane	<0.50	0.50
Chloroform	<0.50	0.50
Chloromethane	<0.50	0.50
4-Chlorotoluene	<0.50	0.50
2-Chlorotoluene	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	1.0
Dibromochloromethane	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	0.50
Dibromomethane	<0.50	0.50
1,2-Dichlorobenzene	<0.50	0.50
1,4-Dichlorobenzene	<0.50	0.50
1,3-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06
Units: ug/L

Date Sampled:	12/13/05	
Date Prepared:	12/15/05	
Date Analyzed:	12/15/05	
AA ID No:	5L13014-01	
Client ID No:	TB-121305-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B) (continued)

1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
Ethylbenzene	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	<0.50	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	<2.0	2.0
n-Propylbenzene	<0.50	0.50
Styrene	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06
Units: ug/L

Date Sampled:	12/13/05	
Date Prepared:	12/15/05	
Date Analyzed:	12/15/05	
AA ID No:	5L13014-01	
Client ID No:	TB-121305-01	
Dilution Factor:	1	MRL
8260B Full List (EPA 8260B) (continued)		
Toluene	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	0.50
1,1,2-Trichloroethane	<0.50	0.50
1,1,1-Trichloroethane	<0.50	0.50
Trichloroethylene (TCE)	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	0.50
1,2,3-Trichloropropane	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	0.50
Vinyl chloride	<0.50	0.50
o-Xylene	<0.50	0.50
m,p-Xylenes	<1.0	1.0

Surrogates		**%REC Limits**
4-Bromofluorobenzene	104%	80-120
Dibromofluoromethane	92.0%	80-120
Toluene-d8	100%	80-120

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1428 - EPA 5035										
Blank (B5L1428-BLK1)				Prepared & Analyzed: 12/14/05						
Acetone	<50	50	ug/kg							
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1428 - EPA 5035										
Blank (B5L1428-BLK1) Continued				Prepared & Analyzed: 12/14/05						
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Ethyl-tert-Butyl Ether (ETBE)	<5.0	5.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1428 - EPA 5035										
Blank (B5L1428-BLK1) Continued				Prepared & Analyzed: 12/14/05						
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*100*		*ug/kg*	*100*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*85.0*		*ug/kg*	*100*		*85.0*	*80-120*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*80-120*			
LCS (B5L1428-BS1)				Prepared & Analyzed: 12/14/05						
Benzene	**42.2**	2.0	ug/kg	40.0		106	75-125			
Bromodichloromethane	**38.0**	5.0	ug/kg	40.0		95.0	75-125			
Bromoform	**30.2**	5.0	ug/kg	40.0		75.5	75-125			
Carbon Tetrachloride	**42.6**	5.0	ug/kg	40.0		106	75-125			
Chlorobenzene	**40.8**	5.0	ug/kg	40.0		102	75-125			
Chloroethane	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
Chloroform	**39.4**	5.0	ug/kg	40.0		98.5	75-125			
Chloromethane	**45.2**	5.0	ug/kg	40.0		113	75-125			
Dibromochloromethane	**34.8**	5.0	ug/kg	40.0		87.0	75-125			
1,4-Dichlorobenzene	**39.0**	5.0	ug/kg	40.0		97.5	75-125			
1,1-Dichloroethane	**38.6**	5.0	ug/kg	40.0		96.5	75-125			
1,2-Dichloroethane (EDC)	**35.6**	5.0	ug/kg	40.0		89.0	75-125			
trans-1,2-Dichloroethylene	**39.6**	5.0	ug/kg	40.0		99.0	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1428 - EPA 5035										
LCS (B5L1428-BS1) Continued				Prepared & Analyzed: 12/14/05						
cis-1,2-Dichloroethylene	**42.0**	5.0	ug/kg	40.0		105	75-125			
1,1-Dichloroethylene	**38.8**	5.0	ug/kg	40.0		97.0	75-125			
1,2-Dichloropropane	**40.0**	5.0	ug/kg	40.0		100	75-125			
cis-1,3-Dichloropropylene	**40.8**	5.0	ug/kg	40.0		102	75-125			
Ethylbenzene	**40.2**	2.0	ug/kg	40.0		100	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.2**	5.0	ug/kg	40.0		88.0	75-125			
Methylene Chloride	**44.6**	50	ug/kg	40.0		112	75-125			
n-Propylbenzene	**42.8**	5.0	ug/kg	40.0		107	75-125			
1,1,2,2-Tetrachloroethane	**39.4**	5.0	ug/kg	40.0		98.5	75-125			
Tetrachloroethylene (PCE)	**40.6**	5.0	ug/kg	40.0		102	75-125			
Toluene	**40.0**	2.0	ug/kg	40.0		100	75-125			
1,1,2-Trichloroethane	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
1,1,1-Trichloroethane	**41.2**	5.0	ug/kg	40.0		103	75-125			
Trichloroethylene (TCE)	**45.8**	5.0	ug/kg	40.0		114	75-125			
Vinyl chloride	**44.0**	5.0	ug/kg	40.0		110	75-125			
o-Xylene	**40.2**	2.0	ug/kg	40.0		100	75-125			
Surrogate: 4-Bromofluorobenzene	*102*		*ug/kg*	*100*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*95.8*		*ug/kg*	*100*		*95.8*	*80-120*			
Surrogate: Toluene-d8	*98.0*		*ug/kg*	*100*		*98.0*	*80-120*			
LCS Dup (B5L1428-BSD1)				Prepared & Analyzed: 12/14/05						
Benzene	**41.2**	2.0	ug/kg	40.0		103	75-125	2.40	40	
Bromodichloromethane	**38.2**	5.0	ug/kg	40.0		95.5	75-125	0.525	40	
Bromoform	**30.4**	5.0	ug/kg	40.0		76.0	75-125	0.660	40	
Carbon Tetrachloride	**41.0**	5.0	ug/kg	40.0		102	75-125	3.83	40	
Chlorobenzene	**40.8**	5.0	ug/kg	40.0		102	75-125	0.00	40	
Chloroethane	**36.6**	5.0	ug/kg	40.0		91.5	75-125	3.23	40	
Chloroform	**38.0**	5.0	ug/kg	40.0		95.0	75-125	3.62	40	
Chloromethane	**42.8**	5.0	ug/kg	40.0		107	75-125	5.45	40	
Dibromochloromethane	**35.0**	5.0	ug/kg	40.0		87.5	75-125	0.573	40	
1,4-Dichlorobenzene	**40.6**	5.0	ug/kg	40.0		102	75-125	4.02	40	
1,1-Dichloroethane	**37.2**	5.0	ug/kg	40.0		93.0	75-125	3.69	40	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1428 - EPA 5035										
LCS Dup (B5L1428-BSD1) Continued				Prepared & Analyzed: 12/14/05						
1,2-Dichloroethane (EDC)	**34.2**	5.0	ug/kg	40.0		85.5	75-125	4.01	40	
trans-1,2-Dichloroethylene	**37.4**	5.0	ug/kg	40.0		93.5	75-125	5.71	40	
cis-1,2-Dichloroethylene	**41.0**	5.0	ug/kg	40.0		102	75-125	2.41	40	
1,1-Dichloroethylene	**38.2**	5.0	ug/kg	40.0		95.5	75-125	1.56	40	
1,2-Dichloropropane	**38.8**	5.0	ug/kg	40.0		97.0	75-125	3.05	40	
cis-1,3-Dichloropropylene	**39.6**	5.0	ug/kg	40.0		99.0	75-125	2.99	40	
Ethylbenzene	**40.6**	2.0	ug/kg	40.0		102	75-125	0.990	40	
Methyl-tert-Butyl Ether (MTBE)	**36.8**	5.0	ug/kg	40.0		92.0	75-125	4.44	40	
Methylene Chloride	**43.0**	50	ug/kg	40.0		108	75-125	3.65	40	
n-Propylbenzene	**44.6**	5.0	ug/kg	40.0		112	75-125	4.12	40	
1,1,2,2-Tetrachloroethane	**37.0**	5.0	ug/kg	40.0		92.5	75-125	6.28	40	
Tetrachloroethylene (PCE)	**41.8**	5.0	ug/kg	40.0		104	75-125	2.91	40	
Toluene	**40.6**	2.0	ug/kg	40.0		102	75-125	1.49	40	
1,1,2-Trichloroethane	**38.0**	5.0	ug/kg	40.0		95.0	75-125	0.528	40	
1,1,1-Trichloroethane	**39.6**	5.0	ug/kg	40.0		99.0	75-125	3.96	40	
Trichloroethylene (TCE)	**42.8**	5.0	ug/kg	40.0		107	75-125	6.77	40	
Vinyl chloride	**42.6**	5.0	ug/kg	40.0		106	75-125	3.23	40	
o-Xylene	**40.0**	2.0	ug/kg	40.0		100	75-125	0.499	40	
Surrogate: 4-Bromofluorobenzene	*104*		*ug/kg*	*100*		*104*	*80-120*			
Surrogate: Dibromofluoromethane	*92.8*		*ug/kg*	*100*		*92.8*	*80-120*			
Surrogate: Toluene-d8	*99.0*		*ug/kg*	*100*		*99.0*	*80-120*			
Batch B5L1520 - EPA 5035										
Blank (B5L1520-BLK1)				Prepared & Analyzed: 12/15/05						
Acetone	<50	50	ug/kg							
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1520 - EPA 5035										
Blank (B5L1520-BLK1) Continued				Prepared & Analyzed: 12/15/05						
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1520 - EPA 5035										
Blank (B5L1520-BLK1) Continued				Prepared & Analyzed: 12/15/05						
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Ethyl-tert-Butyl Ether (ETBE)	<5.0	5.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1520 - EPA 5035										
Blank (B5L1520-BLK1) Continued				Prepared & Analyzed: 12/15/05						
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*94.2*		*ug/kg*	*100*		*94.2*	*80-120*			
Surrogate: Dibromofluoromethane	*96.2*		*ug/kg*	*100*		*96.2*	*80-120*			
Surrogate: Toluene-d8	*95.4*		*ug/kg*	*100*		*95.4*	*80-120*			
LCS (B5L1520-BS1)				Prepared & Analyzed: 12/15/05						
Benzene	**39.6**	2.0	ug/kg	40.0		99.0	75-125			
Bromodichloromethane	**37.0**	5.0	ug/kg	40.0		92.5	75-125			
Bromoform	**29.2**	5.0	ug/kg	40.0		73.0	75-125			SP2
Carbon Tetrachloride	**39.8**	5.0	ug/kg	40.0		99.5	75-125			
Chlorobenzene	**40.0**	5.0	ug/kg	40.0		100	75-125			
Chloroethane	**34.0**	5.0	ug/kg	40.0		85.0	75-125			
Chloroform	**36.6**	5.0	ug/kg	40.0		91.5	75-125			
Chloromethane	**41.2**	5.0	ug/kg	40.0		103	75-125			
Dibromochloromethane	**33.6**	5.0	ug/kg	40.0		84.0	75-125			
1,4-Dichlorobenzene	**39.6**	5.0	ug/kg	40.0		99.0	75-125			
1,1-Dichloroethane	**35.2**	5.0	ug/kg	40.0		88.0	75-125			
1,2-Dichloroethane (EDC)	**33.2**	5.0	ug/kg	40.0		83.0	75-125			
trans-1,2-Dichloroethylene	**37.0**	5.0	ug/kg	40.0		92.5	75-125			
cis-1,2-Dichloroethylene	**39.4**	5.0	ug/kg	40.0		98.5	75-125			
1,1-Dichloroethylene	**35.4**	5.0	ug/kg	40.0		88.5	75-125			
1,2-Dichloropropane	**36.6**	5.0	ug/kg	40.0		91.5	75-125			
cis-1,3-Dichloropropylene	**39.0**	5.0	ug/kg	40.0		97.5	75-125			
Ethylbenzene	**39.8**	2.0	ug/kg	40.0		99.5	75-125			
Methyl-tert-Butyl Ether (MTBE)	**32.6**	5.0	ug/kg	40.0		81.5	75-125			
Methylene Chloride	**41.2**	50	ug/kg	40.0		103	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1520 - EPA 5035										
LCS (B5L1520-BS1) Continued				Prepared & Analyzed: 12/15/05						
n-Propylbenzene	**44.4**	5.0	ug/kg	40.0		111	75-125			
1,1,2,2-Tetrachloroethane	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
Tetrachloroethylene (PCE)	**39.8**	5.0	ug/kg	40.0		99.5	75-125			
Toluene	**39.4**	2.0	ug/kg	40.0		98.5	75-125			
1,1,2-Trichloroethane	**38.0**	5.0	ug/kg	40.0		95.0	75-125			
1,1,1-Trichloroethane	**38.0**	5.0	ug/kg	40.0		95.0	75-125			
Trichloroethylene (TCE)	**42.4**	5.0	ug/kg	40.0		106	75-125			
Vinyl chloride	**40.2**	5.0	ug/kg	40.0		100	75-125			
o-Xylene	**37.6**	2.0	ug/kg	40.0		94.0	75-125			
Surrogate: 4-Bromofluorobenzene	*105*		*ug/kg*	*100*		*105*	*80-120*			
Surrogate: Dibromofluoromethane	*94.4*		*ug/kg*	*100*		*94.4*	*80-120*			
Surrogate: Toluene-d8	*99.6*		*ug/kg*	*100*		*99.6*	*80-120*			
Matrix Spike (B5L1520-MS1)		**Source: 5L13014-07**		Prepared & Analyzed: 12/15/05						**SP1**
Benzene	<2.0	2.0	ug/kg	40.0	<2.0		70-130			
Bromoform	<5.0	5.0	ug/kg	40.0	<5.0		70-130			
Chlorobenzene	<5.0	5.0	ug/kg	40.0	<5.0		70-130			
Chloroform	<5.0	5.0	ug/kg	40.0	<5.0		70-130			
1,1-Dichloroethane	<5.0	5.0	ug/kg	40.0	<5.0		70-130			
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg	40.0	<5.0		70-130			
1,1-Dichloroethylene	<5.0	5.0	ug/kg	40.0	<5.0		70-130			
1,2-Dichloropropane	<5.0	5.0	ug/kg	40.0	<5.0		70-130			
Ethylbenzene	<2.0	2.0	ug/kg	40.0	<2.0		70-130			
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg	40.0	<5.0		70-130			
n-Propylbenzene	<5.0	5.0	ug/kg	40.0	<5.0		70-130			
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg	40.0	<5.0		70-130			
Toluene	<2.0	2.0	ug/kg	40.0	<2.0		70-130			
1,1,1-Trichloroethane	<5.0	5.0	ug/kg	40.0	<5.0		70-130			
Trichloroethylene (TCE)	<5.0	5.0	ug/kg	40.0	81		70-130			
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg	40.0	<5.0		70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1520 - EPA 5035										
Matrix Spike (B5L1520-MS1) Continued		**Source: 5L13014-07**		Prepared & Analyzed: 12/15/05						**SP1**
Vinyl chloride	<5.0	5.0	ug/kg	40.0	<5.0		70-130			
Surrogate: 4-Bromofluorobenzene	*0.00*		*ug/kg*	*100*			*80-120*			
Surrogate: Dibromofluoromethane	*0.00*		*ug/kg*	*100*			*80-120*			
Surrogate: Toluene-d8	*0.00*		*ug/kg*	*100*			*80-120*			
Matrix Spike Dup (B5L1520-MSD1)		**Source: 5L13014-07**		Prepared & Analyzed: 12/15/05						
Benzene	**39.4**	2.0	ug/kg	40.0	<2.0	98.5	70-130		40	
Bromoform	**33.6**	5.0	ug/kg	40.0	<5.0	84.0	70-130		40	
Chlorobenzene	**39.3**	5.0	ug/kg	40.0	<5.0	98.2	70-130		40	
Chloroform	**38.8**	5.0	ug/kg	40.0	<5.0	97.0	70-130		40	
1,1-Dichloroethane	**38.8**	5.0	ug/kg	40.0	<5.0	97.0	70-130		40	
cis-1,2-Dichloroethylene	**44.0**	5.0	ug/kg	40.0	<5.0	110	70-130		40	
1,1-Dichloroethylene	**39.4**	5.0	ug/kg	40.0	<5.0	98.5	70-130		40	
1,2-Dichloropropane	**39.4**	5.0	ug/kg	40.0	<5.0	98.5	70-130		40	
Ethylbenzene	**37.2**	2.0	ug/kg	40.0	<2.0	93.0	70-130		40	
Methyl-tert-Butyl Ether (MTBE)	**45.4**	5.0	ug/kg	40.0	<5.0	114	70-130		40	
n-Propylbenzene	**41.0**	5.0	ug/kg	40.0	<5.0	102	70-130		40	
Tetrachloroethylene (PCE)	**39.0**	5.0	ug/kg	40.0	<5.0	97.5	70-130		40	
Toluene	**37.6**	2.0	ug/kg	40.0	<2.0	94.0	70-130		40	
1,1,1-Trichloroethane	**39.4**	5.0	ug/kg	40.0	<5.0	98.5	70-130		40	
Trichloroethylene (TCE)	**110**	5.0	ug/kg	40.0	81	72.5	70-130		40	
1,3,5-Trimethylbenzene	**39.4**	5.0	ug/kg	40.0	<5.0	98.5	70-130		40	
Vinyl chloride	**33.5**	5.0	ug/kg	40.0	<5.0	83.8	70-130		40	
Surrogate: 4-Bromofluorobenzene	*103*		*ug/kg*	*100*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*107*		*ug/kg*	*100*		*107*	*80-120*			
Surrogate: Toluene-d8	*98.6*		*ug/kg*	*100*		*98.6*	*80-120*			
Batch B5L1604 - EPA 5030B										
Blank (B5L1604-BLK1)				Prepared & Analyzed: 12/15/05						
Acetone	<10	10	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1604 - EPA 5030B										
Blank (B5L1604-BLK1) Continued				Prepared & Analyzed: 12/15/05						
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1604 - EPA 5030B										
Blank (B5L1604-BLK1) Continued				Prepared & Analyzed: 12/15/05						
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1604 - EPA 5030B										
Blank (B5L1604-BLK1) Continued				Prepared & Analyzed: 12/15/05						
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*47.1*		*ug/L*	*50.0*		*94.2*	*80-120*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50.0*		*96.2*	*80-120*			
Surrogate: Toluene-d8	*47.7*		*ug/L*	*50.0*		*95.4*	*80-120*			
LCS (B5L1604-BS1)				Prepared & Analyzed: 12/15/05						
Benzene	**19.8**	0.50	ug/L	20.0		99.0	75-125			
Bromodichloromethane	**18.5**	0.50	ug/L	20.0		92.5	75-125			
Bromoform	**14.6**	0.50	ug/L	20.0		73.0	75-125			SP2
Carbon Tetrachloride	**19.9**	0.50	ug/L	20.0		99.5	75-125			
Chlorobenzene	**20.0**	0.50	ug/L	20.0		100	75-125			
Chloroethane	**17.0**	0.50	ug/L	20.0		85.0	75-125			
Chloroform	**18.3**	0.50	ug/L	20.0		91.5	75-125			
Chloromethane	**20.6**	0.50	ug/L	20.0		103	75-125			
Dibromochloromethane	**18.7**	0.50	ug/L	20.0		93.5	75-125			
1,4-Dichlorobenzene	**19.8**	0.50	ug/L	20.0		99.0	75-125			
1,1-Dichloroethane	**17.6**	0.50	ug/L	20.0		88.0	75-125			
1,2-Dichloroethane (EDC)	**16.6**	0.50	ug/L	20.0		83.0	75-125			
cis-1,2-Dichloroethylene	**19.7**	0.50	ug/L	20.0		98.5	75-125			
trans-1,2-Dichloroethylene	**16.6**	0.50	ug/L	20.0		83.0	75-125			
1,1-Dichloroethylene	**17.7**	0.50	ug/L	20.0		88.5	75-125			
1,2-Dichloropropane	**18.3**	0.50	ug/L	20.0		91.5	75-125			
cis-1,3-Dichloropropylene	**19.5**	0.50	ug/L	20.0		97.5	75-125			
Ethylbenzene	**19.9**	0.50	ug/L	20.0		99.5	75-125			
Methyl-tert-Butyl Ether (MTBE)	**16.3**	2.0	ug/L	20.0		81.5	75-125			
Methylene Chloride	**20.6**	5.0	ug/L	20.0		103	75-125			

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Operations Manager

LABORATORY ANALYSIS RESULTS

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1604 - EPA 5030B										
LCS (B5L1604-BS1) Continued				Prepared & Analyzed: 12/15/05						
1,1,2,2-Tetrachloroethane	**19.1**	0.50	ug/L	20.0		95.5	75-125			
Tetrachloroethylene (PCE)	**19.9**	0.50	ug/L	20.0		99.5	75-125			
Toluene	**19.7**	0.50	ug/L	20.0		98.5	75-125			
1,1,2-Trichloroethane	**19.0**	0.50	ug/L	20.0		95.0	75-125			
1,1,1-Trichloroethane	**19.0**	0.50	ug/L	20.0		95.0	75-125			
Trichloroethylene (TCE)	**21.2**	0.50	ug/L	20.0		106	75-125			
Vinyl chloride	**20.1**	0.50	ug/L	20.0		100	75-125			
o-Xylene	**19.9**	0.50	ug/L	20.0		99.5	75-125			
Surrogate: 4-Bromofluorobenzene	*52.4*		*ug/L*	*50.0*		*105*	*80-120*			
Surrogate: Dibromofluoromethane	*47.2*		*ug/L*	*50.0*		*94.4*	*80-120*			
Surrogate: Toluene-d8	*49.8*		*ug/L*	*50.0*		*99.6*	*80-120*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1436 - EPA 5035										
Blank (B5L1436-BLK1)				Prepared & Analyzed: 12/14/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.103*		*mg/kg*	*0.100*		*103*	*80-120*			
LCS (B5L1436-BS1)				Prepared & Analyzed: 12/14/05						
Stoddard Solvent	**1.12**	0.50	mg/kg	1.00		112	75-125			
Surrogate: Toluene-d8	*0.0914*		*mg/kg*	*0.100*		*91.4*	*80-120*			
LCS Dup (B5L1436-BSD1)				Prepared & Analyzed: 12/14/05						
Stoddard Solvent	**1.02**	0.50	mg/kg	1.00		102	75-125	9.35	30	
Surrogate: Toluene-d8	*0.0924*		*mg/kg*	*0.100*		*92.4*	*80-120*			
Batch B5L1521 - EPA 5035										
Blank (B5L1521-BLK1)				Prepared & Analyzed: 12/15/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.0982*		*mg/kg*	*0.100*		*98.2*	*80-120*			
LCS (B5L1521-BS1)				Prepared & Analyzed: 12/15/05						
Stoddard Solvent	**1.10**	0.50	mg/kg	1.00		110	75-125			

Viorel Vasile
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LABORATORY ANALYSIS RESULTS

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Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1521 - EPA 5035										
LCS (B5L1521-BS1) Continued				Prepared & Analyzed: 12/15/05						
Surrogate: Toluene-d8	*0.0920*		*mg/kg*	*0.100*		*92.0*	*80-120*			
LCS Dup (B5L1521-BSD1)				Prepared & Analyzed: 12/15/05						
Stoddard Solvent	**1.16**	0.50	mg/kg	1.00		116	75-125	5.31	30	
Surrogate: Toluene-d8	*0.0892*		*mg/kg*	*0.100*		*89.2*	*80-120*			
Batch B5L1603 - EPA 5030B										
Blank (B5L1603-BLK1)				Prepared & Analyzed: 12/15/05						
Stoddard Solvent	<100	100	ug/L							
Surrogate: Toluene-d8	*49.1*		*ug/L*	*50.0*		*98.2*	*80-120*			
LCS (B5L1603-BS1)				Prepared & Analyzed: 12/15/05						
Stoddard Solvent	**550**	100	ug/L	500		110	75-125			
Surrogate: Toluene-d8	*46.0*		*ug/L*	*50.0*		*92.0*	*80-120*			
LCS Dup (B5L1603-BSD1)				Prepared & Analyzed: 12/15/05						
Stoddard Solvent	**580**	100	ug/L	500		116	75-125	5.31	30	
Surrogate: Toluene-d8	*44.6*		*ug/L*	*50.0*		*89.2*	*80-120*			
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L1426 - EPA 3550B										
Blank (B5L1426-BLK1)				Prepared & Analyzed: 12/14/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L1426 - EPA 3550B										
Blank (B5L1426-BLK1) Continued				Prepared & Analyzed: 12/14/05						
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*7.80*		*mg/kg*	*10.0*		*78.0*	*50-150*			
LCS (B5L1426-BS1)				Prepared & Analyzed: 12/14/05						
Diesel Range Organics as Diesel	**247**		mg/kg	200		124	75-125			
Surrogate: o-Terphenyl	*10.5*		*mg/kg*	*10.0*		*105*	*50-150*			
Matrix Spike (B5L1426-MS1)		**Source: 5L13014-11**		Prepared & Analyzed: 12/14/05						
Diesel Range Organics as Diesel	**218**		mg/kg	200	0.0	109	70-130			
Surrogate: o-Terphenyl	*10.7*		*mg/kg*	*10.0*		*107*	*50-150*			
Matrix Spike Dup (B5L1426-MSD1)		**Source: 5L13014-11**		Prepared & Analyzed: 12/14/05						
Diesel Range Organics as Diesel	**242**		mg/kg	200	0.0	121	70-130	10.4	40	
Surrogate: o-Terphenyl	*10.8*		*mg/kg*	*10.0*		*108*	*50-150*			
Batch B5L1601 - EPA 3550B										
Blank (B5L1601-BLK1)				Prepared: 12/14/05 Analyzed: 12/15/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L1601 - EPA 3550B										
Blank (B5L1601-BLK1) Continued				Prepared: 12/14/05		Analyzed: 12/15/05				
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*7.80*		*mg/kg*	*10.0*		*78.0*	*50-150*			
LCS (B5L1601-BS1)				Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**235**		mg/kg	200		118	75-125			
Surrogate: o-Terphenyl	*9.20*		*mg/kg*	*10.0*		*92.0*	*50-150*			
Matrix Spike (B5L1601-MS1)		**Source: 5L13014-07**		Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**198**		mg/kg	200	0.0	99.0	70-130			
Surrogate: o-Terphenyl	*7.90*		*mg/kg*	*10.0*		*79.0*	*50-150*			
Matrix Spike (B5L1601-MS2)		**Source: 5L13006-05**		Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**231**		mg/kg	200	0.0	116	70-130			
Surrogate: o-Terphenyl	*5.10*		*mg/kg*	*10.0*		*51.0*	*50-150*			
Matrix Spike Dup (B5L1601-MSD1)		**Source: 5L13014-07**		Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**213**		mg/kg	200	0.0	106	70-130	7.30	40	
Surrogate: o-Terphenyl	*8.90*		*mg/kg*	*10.0*		*89.0*	*50-150*			
Matrix Spike Dup (B5L1601-MSD2)		**Source: 5L13006-05**		Prepared: 12/14/05		Analyzed: 12/15/05				
Diesel Range Organics as Diesel	**237**		mg/kg	200	0.0	118	70-130	2.56	40	
Surrogate: o-Terphenyl	*10.3*		*mg/kg*	*10.0*		*103*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: A563026
Date Received: 12/13/05
Date Reported: 01/12/06

Special Notes

SP1 : No recoveries were observed due to instrument failure (leak); data was validated based on the recoveries of the MSD and LCS.

SP2 : The recovery for this compound is marginally below the lower acceptance limit; therefore, if it was detected in the samples, the result would have not been significantly effected with negative bias.

Viorel Vasile
Operations Manager

A563026/SL13014

Chain-of-Custody Record

12791

Date: 12/13/05

Page 1 of 1

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	VOCs (8260B 5035)	TPH Carbon Chain 8015B modified								Acidified	No. of containers
12/13/05	—	Temp-121305-01	W																	2°	—	1
	—	TB-121305-01	W		SL13014-01							X									2	2
	805	14-55-6.5	S					-02				X	X									4
	815	14-55-11.5	S					-03				X	X									4
	820	14-55-16.5	S					-04				H	H									4
	830	14-55-21.5	S					-05				X	X								TN	~~8~~ 4
	835	14-55-26.5	S					-06				H	H									4
	845	14-55-31.5	S					-07				X	X									8
	850	14-55-36.5	S					-08				H	H									4
	905	14-55-41.5	S					-09				X	X									4
	915	14-55-43.5	S					-10				X	X									4
	920	14-55-46.5	S					-11				X	X									4
	930	14-55-48.5	S					-12				X	X									4

TN

Total No. of containers: 51

REMARKS

Additional Comments

Notes to lab

For soil samples in sleeves, use soil from the plastic cap end marked (*)

H: Hold, do not analyze

← Run MS/MSD

← Run 24 Hr TAT

← Run 24 Hr TAT

(X): 48 Hr TAT, as requested by T. Delong, Growth Tax, 12/14/05

Turnaround Time: 5-day TAT for TPH, standard for others

Results To: Linda Conlan/Paula Delong

Relinquished by (signature)	Date	Relinquished by (signature)	Date	Relinquished by (signature)	Date
Thet Naing	12/13/05	[signature]			
Printed Name: Thet Naing	Time: 1405	Printed Name: [signature]	Time:	Printed Name:	Time:
Company: Geomatrix		Company:		Company:	
Received (signature)	**Date**	**Received (signature)**	**Date**	**Received (signature)**	**Date**
[signature]	12/13/05	[signature]	12/13/05		
Printed Name: Dan Kodviger	Time: 1405	Printed Name: Ludmila Glazen	Time: 17:07	Printed Name:	Time:
Company: AIA		Company: AA		Company:	

Method of shipment: Lab Courier

Laboratory comments and Log No.: approved as work order 12/13/05 1730 V. Vorsle

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

A563026/SL13014

Chain-of-Custody Record

12792

Date: 12/13/05

Page 1 of 1

Project No.: 10627.000-0

Samplers (Signatures):

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	VOC's (8260B)	TPH (motor oil), SOISB Matrix								Acidified	No. of containers
12/13/05	–	Temp.121305-02																		2°	–	1
	–	TB-121305-02			SL13014-13							H									2	2
↓	1025	EB-121305-01						-14				H	H								3	4

REMARKS

Additional Comments

Notes to Lab

H: Hold, do not analyze

Turnaround Time: Standard TAT

Results To: Linda Conlan / Paula Delong

Total No. of containers: 7

Relinquished by (signature):	Date: 12/13/05	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Printed Name: Thet Naing	Time: 1405	Printed Name:	Time:	Printed Name:	Time:
Company: Geomatrix		Company:		Company:	
Received (signature):	Date: 12/13	Received (signature):	Date: 12/13/05	Received (signature):	Date:
Printed Name: Juan Rodriguez	Time: 1405	Printed Name: Ludmila Glazenko	Time: 17:07	Printed Name:	Time:
Company: A/A		Company: A/A		Company:	

Method of shipment: Lab Courier

Laboratory comments and Log No.: approved as work order 12/13/05 1730 v. Vasilla

05 DEC 13 17:06 57

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

December 18, 2005

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563010 / 5K17004

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/14/05 18:42 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563010
Date Received: 11/14/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs (Custom List) by GC/MS					
Ambient air	5K17004-01	Vapor	10	11/14/05 09:05	11/14/05 18:42
09-SV-5.0-PV1	5K17004-02	Vapor	10	11/14/05 10:45	11/14/05 18:42
09-SV-5.0-PV3	5K17004-03	Vapor	10	11/14/05 11:25	11/14/05 18:42
09-SV-5.0-PV7	5K17004-04	Vapor	10	11/14/05 11:58	11/14/05 18:42
09-SV-15.0	5K17004-05	Vapor	10	11/14/05 12:32	11/14/05 18:42
16-SV-15.0	5K17004-06	Vapor	10	11/14/05 13:00	11/14/05 18:42
12-SV-5.0	5K17004-07	Vapor	10	11/14/05 13:28	11/14/05 18:42
12-SV-15.0	5K17004-08	Vapor	10	11/14/05 13:28	11/14/05 18:42
12-SV-5.0-Dup	5K17004-09	Vapor	10	11/14/05 13:55	11/14/05 18:42
11-SV-5.0	5K17004-10	Vapor	10	11/14/05 14:16	11/14/05 18:42
11-SV-15.0	5K17004-11	Vapor	10	11/14/05 14:56	11/14/05 18:42
03-SV-5.0	5K17004-12	Vapor	10	11/14/05 15:25	11/14/05 18:42
03-SV-15.0	5K17004-13	Vapor	10	11/14/05 15:47	11/14/05 18:42
VOCs TPH Vapor as Stoddard Solvent					
Ambient air	5K17004-01	Vapor	10	11/14/05 09:05	11/14/05 18:42
09-SV-5.0-PV1	5K17004-02	Vapor	10	11/14/05 10:45	11/14/05 18:42

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563010
Date Received: 11/14/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
09-SV-5.0-PV3	5K17004-03	Vapor	10	11/14/05 11:25	11/14/05 18:42
09-SV-5.0-PV7	5K17004-04	Vapor	10	11/14/05 11:58	11/14/05 18:42
09-SV-15.0	5K17004-05	Vapor	10	11/14/05 12:32	11/14/05 18:42
16-SV-15.0	5K17004-06	Vapor	10	11/14/05 13:00	11/14/05 18:42
12-SV-5.0	5K17004-07	Vapor	10	11/14/05 13:28	11/14/05 18:42
12-SV-15.0	5K17004-08	Vapor	10	11/14/05 13:28	11/14/05 18:42
12-SV-5.0-Dup	5K17004-09	Vapor	10	11/14/05 13:55	11/14/05 18:42
11-SV-5.0	5K17004-10	Vapor	10	11/14/05 14:16	11/14/05 18:42
11-SV-15.0	5K17004-11	Vapor	10	11/14/05 14:56	11/14/05 18:42
03-SV-5.0	5K17004-12	Vapor	10	11/14/05 15:25	11/14/05 18:42
03-SV-15.0	5K17004-13	Vapor	10	11/14/05 15:47	11/14/05 18:42

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

Ambient air

5K17004-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

Ambient air

5K17004-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.0 %	80-120
Dibromofluoromethane	106 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

09-SV-5.0-PV1

5K17004-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	**1.2**	ug/L	1.0	**0.25**	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	**2.4**	ug/L	1.0	**0.35**	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

09-SV-5.0-PV1

5K17004-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**150**	ug/L	1.0	**27.91**	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	106 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

09-SV-5.0-PV3

5K17004-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	**1.4**	ug/L	1.0	**0.29**	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	**3.6**	ug/L	1.0	**0.53**	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

09-SV-5.0-PV3

5K17004-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**220**	ug/L	1.0	**40.94**	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	104 %	80-120
Toluene-d8	106 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

09-SV-5.0-PV7

5K17004-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	**1.6**	ug/L	1.0	**0.33**	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	**8.0**	ug/L	1.0	**1.18**	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

09-SV-5.0-PV7

5K17004-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**310**	ug/L	1.0	**57.69**	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	114 %	80-120
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

09-SV-15.0

5K17004-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	**2.3**	ug/L	1.0	**0.47**	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	**1.8**	ug/L	1.0	**0.45**	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	**12**	ug/L	1.0	**1.77**	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	**1.6**	ug/L	1.0	**0.29**	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

09-SV-15.0

5K17004-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**590**	ug/L	1.0	**109.79**	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.0 %	80-120
Dibromofluoromethane	102 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

16-SV-15.0

5K17004-06 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	**2.0**	ug/L	1.0	**0.29**	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

16-SV-15.0

5K17004-06 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**5.6**	ug/L	1.0	**1.04**	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	100 %	80-120
Dibromofluoromethane	114 %	80-120
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

12-SV-5.0

5K17004-07 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	**10**	ug/L	1.0	**2.52**	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	**44**	ug/L	1.0	**6.49**	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	**3.8**	ug/L	1.0	**0.70**	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

12-SV-5.0

5K17004-07 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**1200**	ug/L	1.0	**223.30**	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	106 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	10	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

12-SV-15.0

5K17004-08 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<10	ug/L	10	<3.13	ppmv	3.13
2-Butanone (MEK)	<100	ug/L	100	<33.91	ppmv	33.91
Carbon Tetrachloride	<10	ug/L	10	<1.59	ppmv	1.59
Chloroethane	<10	ug/L	10	<3.79	ppmv	3.79
Chloroform	<10	ug/L	10	<2.05	ppmv	2.05
Dichlorodifluoromethane (R12)	<10	ug/L	10	<2.02	ppmv	2.02
1,1-Dichloroethane	<10	ug/L	10	<2.47	ppmv	2.47
1,2-Dichloroethane (EDC)	<10	ug/L	10	<2.47	ppmv	2.47
1,1-Dichloroethylene	**15**	ug/L	10	**3.78**	ppmv	2.52
trans-1,2-Dichloroethylene	<10	ug/L	10	<2.52	ppmv	2.52
cis-1,2-Dichloroethylene	<10	ug/L	10	<2.52	ppmv	2.52
Ethylbenzene	<10	ug/L	10	<2.30	ppmv	2.30
Isopropanol	<100	ug/L	100	<40.68	ppmv	40.68
Methylene Chloride	<50	ug/L	50	<14.39	ppmv	14.39
Stoddard Solvent	<1000	ug/L	1000	<190.64	ppmv	190.64
1,1,1,2-Tetrachloroethane	<10	ug/L	10	<1.46	ppmv	1.46
1,1,2,2-Tetrachloroethane	<10	ug/L	10	<1.46	ppmv	1.46
Tetrachloroethylene (PCE)	**68**	ug/L	10	**10.03**	ppmv	1.47
Toluene	<10	ug/L	10	<2.65	ppmv	2.65
1,1,2-Trichloroethane	<10	ug/L	10	<1.83	ppmv	1.83
1,1,1-Trichloroethane	<10	ug/L	10	<1.83	ppmv	1.83

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	10	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

12-SV-15.0

5K17004-08 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**1600**	ug/L	10	**297.74**	ppmv	1.86
Trichlorofluoromethane (R11)	<10	ug/L	10	<1.78	ppmv	1.78
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<50	ug/L	50	<6.52	ppmv	6.52
Vinyl chloride	<10	ug/L	10	<3.91	ppmv	3.91
o-Xylene	<10	ug/L	10	<2.30	ppmv	2.30
m,p-Xylenes	<10	ug/L	10	<2.30	ppmv	2.30

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.0 %	80-120
Dibromofluoromethane	108 %	80-120
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	5	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

12-SV-5.0-Dup

5K17004-09 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<5.0	ug/L	5.0	<1.57	ppmv	1.57
2-Butanone (MEK)	<50	ug/L	50	<16.95	ppmv	16.95
Carbon Tetrachloride	<5.0	ug/L	5.0	<0.79	ppmv	0.79
Chloroethane	<5.0	ug/L	5.0	<1.89	ppmv	1.89
Chloroform	<5.0	ug/L	5.0	<1.02	ppmv	1.02
Dichlorodifluoromethane (R12)	<5.0	ug/L	5.0	<1.01	ppmv	1.01
1,1-Dichloroethane	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,2-Dichloroethane (EDC)	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,1-Dichloroethylene	**11**	ug/L	5.0	**2.77**	ppmv	1.26
trans-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
cis-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
Ethylbenzene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
Isopropanol	<50	ug/L	50	<20.34	ppmv	20.34
Methylene Chloride	<25	ug/L	25	<7.20	ppmv	7.20
Stoddard Solvent	<500	ug/L	500	<95.32	ppmv	95.32
1,1,1,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
1,1,2,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
Tetrachloroethylene (PCE)	**38**	ug/L	5.0	**5.60**	ppmv	0.74
Toluene	<5.0	ug/L	5.0	<1.33	ppmv	1.33
1,1,2-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92
1,1,1-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	5	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

12-SV-5.0-Dup

5K17004-09 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**1200**	ug/L	5.0	**223.30**	ppmv	0.93
Trichlorofluoromethane (R11)	<5.0	ug/L	5.0	<0.89	ppmv	0.89
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<25	ug/L	25	<3.26	ppmv	3.26
Vinyl chloride	<5.0	ug/L	5.0	<1.96	ppmv	1.96
o-Xylene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
m,p-Xylenes	<5.0	ug/L	5.0	<1.15	ppmv	1.15

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	100 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	5	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

11-SV-5.0

5K17004-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<5.0	ug/L	5.0	<1.57	ppmv	1.57
2-Butanone (MEK)	<50	ug/L	50	<16.95	ppmv	16.95
Carbon Tetrachloride	<5.0	ug/L	5.0	<0.79	ppmv	0.79
Chloroethane	<5.0	ug/L	5.0	<1.89	ppmv	1.89
Chloroform	<5.0	ug/L	5.0	<1.02	ppmv	1.02
Dichlorodifluoromethane (R12)	<5.0	ug/L	5.0	<1.01	ppmv	1.01
1,1-Dichloroethane	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,2-Dichloroethane (EDC)	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,1-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
trans-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
cis-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
Ethylbenzene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
Isopropanol	<50	ug/L	50	<20.34	ppmv	20.34
Methylene Chloride	<25	ug/L	25	<7.20	ppmv	7.20
Stoddard Solvent	<500	ug/L	500	<95.32	ppmv	95.32
1,1,1,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
1,1,2,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
Tetrachloroethylene (PCE)	<5.0	ug/L	5.0	<0.74	ppmv	0.74
Toluene	<5.0	ug/L	5.0	<1.33	ppmv	1.33
1,1,2-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92
1,1,1-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	5	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

11-SV-5.0

5K17004-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**350**	ug/L	5.0	**65.13**	ppmv	0.93
Trichlorofluoromethane (R11)	<5.0	ug/L	5.0	<0.89	ppmv	0.89
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<25	ug/L	25	<3.26	ppmv	3.26
Vinyl chloride	<5.0	ug/L	5.0	<1.96	ppmv	1.96
o-Xylene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
m,p-Xylenes	<5.0	ug/L	5.0	<1.15	ppmv	1.15

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	100 %	80-120
Dibromofluoromethane	116 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	5	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

11-SV-15.0

5K17004-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<5.0	ug/L	5.0	<1.57	ppmv	1.57
2-Butanone (MEK)	<50	ug/L	50	<16.95	ppmv	16.95
Carbon Tetrachloride	<5.0	ug/L	5.0	<0.79	ppmv	0.79
Chloroethane	<5.0	ug/L	5.0	<1.89	ppmv	1.89
Chloroform	<5.0	ug/L	5.0	<1.02	ppmv	1.02
Dichlorodifluoromethane (R12)	<5.0	ug/L	5.0	<1.01	ppmv	1.01
1,1-Dichloroethane	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,2-Dichloroethane (EDC)	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,1-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
trans-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
cis-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
Ethylbenzene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
Isopropanol	<50	ug/L	50	<20.34	ppmv	20.34
Methylene Chloride	<25	ug/L	25	<7.20	ppmv	7.20
Stoddard Solvent	<500	ug/L	500	<95.32	ppmv	95.32
1,1,1,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
1,1,2,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
Tetrachloroethylene (PCE)	**40**	ug/L	5.0	**5.90**	ppmv	0.74
Toluene	<5.0	ug/L	5.0	<1.33	ppmv	1.33
1,1,2-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92
1,1,1-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	5	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

11-SV-15.0

5K17004-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**1100**	ug/L	5.0	**204.70**	ppmv	0.93
Trichlorofluoromethane (R11)	<5.0	ug/L	5.0	<0.89	ppmv	0.89
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<25	ug/L	25	<3.26	ppmv	3.26
Vinyl chloride	<5.0	ug/L	5.0	<1.96	ppmv	1.96
o-Xylene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
m,p-Xylenes	<5.0	ug/L	5.0	<1.15	ppmv	1.15

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	120 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	2	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

03-SV-5.0

5K17004-12 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<2.0	ug/L	2.0	<0.63	ppmv	0.63
2-Butanone (MEK)	<20	ug/L	20	<6.78	ppmv	6.78
Carbon Tetrachloride	<2.0	ug/L	2.0	<0.32	ppmv	0.32
Chloroethane	<2.0	ug/L	2.0	<0.76	ppmv	0.76
Chloroform	<2.0	ug/L	2.0	<0.41	ppmv	0.41
Dichlorodifluoromethane (R12)	<2.0	ug/L	2.0	<0.40	ppmv	0.40
1,1-Dichloroethane	<2.0	ug/L	2.0	<0.49	ppmv	0.49
1,2-Dichloroethane (EDC)	<2.0	ug/L	2.0	<0.49	ppmv	0.49
1,1-Dichloroethylene	<2.0	ug/L	2.0	<0.50	ppmv	0.50
trans-1,2-Dichloroethylene	<2.0	ug/L	2.0	<0.50	ppmv	0.50
cis-1,2-Dichloroethylene	<2.0	ug/L	2.0	<0.50	ppmv	0.50
Ethylbenzene	<2.0	ug/L	2.0	<0.46	ppmv	0.46
Isopropanol	<20	ug/L	20	<8.14	ppmv	8.14
Methylene Chloride	<10	ug/L	10	<2.88	ppmv	2.88
Stoddard Solvent	<200	ug/L	200	<38.13	ppmv	38.13
1,1,1,2-Tetrachloroethane	<2.0	ug/L	2.0	<0.29	ppmv	0.29
1,1,2,2-Tetrachloroethane	<2.0	ug/L	2.0	<0.29	ppmv	0.29
Tetrachloroethylene (PCE)	**28**	ug/L	2.0	**4.13**	ppmv	0.29
Toluene	<2.0	ug/L	2.0	<0.53	ppmv	0.53
1,1,2-Trichloroethane	<2.0	ug/L	2.0	<0.37	ppmv	0.37
1,1,1-Trichloroethane	<2.0	ug/L	2.0	<0.37	ppmv	0.37

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	2	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

03-SV-5.0

5K17004-12 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**780**	ug/L	2.0	**145.15**	ppmv	0.37
Trichlorofluoromethane (R11)	<2.0	ug/L	2.0	<0.36	ppmv	0.36
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<10	ug/L	10	<1.30	ppmv	1.30
Vinyl chloride	<2.0	ug/L	2.0	<0.78	ppmv	0.78
o-Xylene	<2.0	ug/L	2.0	<0.46	ppmv	0.46
m,p-Xylenes	<2.0	ug/L	2.0	<0.46	ppmv	0.46

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	5	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

03-SV-15.0

5K17004-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<5.0	ug/L	5.0	<1.57	ppmv	1.57
2-Butanone (MEK)	<50	ug/L	50	<16.95	ppmv	16.95
Carbon Tetrachloride	<5.0	ug/L	5.0	<0.79	ppmv	0.79
Chloroethane	<5.0	ug/L	5.0	<1.89	ppmv	1.89
Chloroform	<5.0	ug/L	5.0	<1.02	ppmv	1.02
Dichlorodifluoromethane (R12)	<5.0	ug/L	5.0	<1.01	ppmv	1.01
1,1-Dichloroethane	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,2-Dichloroethane (EDC)	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,1-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
trans-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
cis-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
Ethylbenzene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
Isopropanol	<50	ug/L	50	<20.34	ppmv	20.34
Methylene Chloride	<25	ug/L	25	<7.20	ppmv	7.20
Stoddard Solvent	<500	ug/L	500	<95.32	ppmv	95.32
1,1,1,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
1,1,2,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
Tetrachloroethylene (PCE)	**46**	ug/L	5.0	**6.78**	ppmv	0.74
Toluene	<5.0	ug/L	5.0	<1.33	ppmv	1.33
1,1,2-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92
1,1,1-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	5	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

03-SV-15.0

5K17004-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**1400**	ug/L	5.0	**260.52**	ppmv	0.93
Trichlorofluoromethane (R11)	<5.0	ug/L	5.0	<0.89	ppmv	0.89
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<25	ug/L	25	<3.26	ppmv	3.26
Vinyl chloride	<5.0	ug/L	5.0	<1.96	ppmv	1.96
o-Xylene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
m,p-Xylenes	<5.0	ug/L	5.0	<1.15	ppmv	1.15

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

Ambient air

5K17004-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06

Surrogates	%REC	%REC Limits
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

09-SV-5.0-PV1

5K17004-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06

Surrogates	%REC	%REC Limits
Toluene-d8	106 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

09-SV-5.0-PV3

5K17004-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06

Surrogates	%REC	%REC Limits
Toluene-d8	106 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

09-SV-5.0-PV7

5K17004-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06

Surrogates	%REC	%REC Limits
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

09-SV-15.0

5K17004-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06

Surrogates	%REC	%REC Limits
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

16-SV-15.0

5K17004-06 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06

Surrogates	%REC	%REC Limits
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	1	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

12-SV-5.0

5K17004-07 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06

Surrogates	%REC	%REC Limits
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	10	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

12-SV-15.0

5K17004-08 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Stoddard Solvent	<1000	ug/L	1000	<190.64	ppmv	190.64

Surrogates	%REC	%REC Limits
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	10	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

12-SV-5.0-Dup

5K17004-09 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Stoddard Solvent	<1000	ug/L	1000	<190.64	ppmv	190.64

Surrogates	%REC	%REC Limits
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	5	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

11-SV-5.0

5K17004-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Stoddard Solvent	<500	ug/L	500	<95.32	ppmv	95.32

Surrogates	%REC	%REC Limits
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	5	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

11-SV-15.0

5K17004-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Stoddard Solvent	<500	ug/L	500	<95.32	ppmv	95.32

Surrogates	%REC	%REC Limits
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	2	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

03-SV-5.0

5K17004-12 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Stoddard Solvent	<200	ug/L	200	<38.13	ppmv	38.13

Surrogates	%REC	%REC Limits
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563010
Project No:	10627.000.0	**Date Received:**	11/14/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/14/05
Dilution:	5	**Prepared:**	11/14/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/14/05

03-SV-15.0

5K17004-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Stoddard Solvent	<500	ug/L	500	<95.32	ppmv	95.32

Surrogates	%REC	%REC Limits
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563010
Date Received: 11/14/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5K2217 - *** DEFAULT PREP ****										
Blank (B5K2217-BLK1)				Prepared & Analyzed: 11/14/05						
Benzene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
Dichlorodifluoromethane (R12)	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
1,2-Dichloroethane (EDC)	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Isopropanol	<10	10	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Stoddard Solvent	<100	100	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene (PCE)	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Trichloroethylene (TCE)	<1.0	1.0	ug/L							
Trichlorofluoromethane (R11)	<1.0	1.0	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/L							
Vinyl chloride	<1.0	1.0	ug/L							
o-Xylene	<1.0	1.0	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*50.2*		*ug/L*	*50.0*		*100*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563010
Date Received: 11/14/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5K2217 - *** DEFAULT PREP ****										
Blank (B5K2217-BLK1) Continued				Prepared & Analyzed: 11/14/05						
Surrogate: Dibromofluoromethane	*53.4*		*ug/L*	*50.0*		*107*	*80-120*			
Surrogate: Toluene-d8	*51.4*		*ug/L*	*50.0*		*103*	*80-120*			
LCS (B5K2217-BS1)				Prepared & Analyzed: 11/14/05						
Carbon Tetrachloride	**9.01**	1.0	ug/L	10.0		90.1	75-125			
Chloroethane	**9.89**	1.0	ug/L	10.0		98.9	75-125			
Chloroform	**10.0**	1.0	ug/L	10.0		100	75-125			
1,1-Dichloroethane	**10.2**	1.0	ug/L	10.0		102	75-125			
1,2-Dichloroethane (EDC)	**8.84**	1.0	ug/L	10.0		88.4	75-125			
1,1-Dichloroethylene	**10.1**	1.0	ug/L	10.0		101	75-125			
trans-1,2-Dichloroethylene	**10.3**	1.0	ug/L	10.0		103	75-125			
cis-1,2-Dichloroethylene	**10.4**	1.0	ug/L	10.0		104	75-125			
Ethylbenzene	**9.85**	1.0	ug/L	10.0		98.5	75-125			
Methylene Chloride	**9.34**	5.0	ug/L	10.0		93.4	75-125			
Stoddard Solvent	**330**	100	ug/L	250		132	75-125			
1,1,2,2-Tetrachloroethane	**9.57**	1.0	ug/L	10.0		95.7	75-125			
Tetrachloroethylene (PCE)	**9.84**	1.0	ug/L	10.0		98.4	75-125			
Toluene	**10.2**	1.0	ug/L	10.0		102	75-125			
1,1,2-Trichloroethane	**9.53**	1.0	ug/L	10.0		95.3	75-125			
1,1,1-Trichloroethane	**9.50**	1.0	ug/L	10.0		95.0	75-125			
Trichloroethylene (TCE)	**8.66**	1.0	ug/L	10.0		86.6	75-125			
Vinyl chloride	**10.2**	1.0	ug/L	10.0		102	75-125			
o-Xylene	**9.78**	1.0	ug/L	10.0		97.8	75-125			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/L*	*25.0*		*96.0*	*80-120*			
Surrogate: Dibromofluoromethane	*21.6*		*ug/L*	*25.0*		*86.4*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/L*	*25.0*		*102*	*80-120*			
Duplicate (B5K2217-DUP1)				**Source: 5K17004-08**	Prepared & Analyzed: 11/14/05					
Benzene	<5.0	5.0	ug/L		<5.0				30	
2-Butanone (MEK)	<50	50	ug/L		<50				30	
Carbon Tetrachloride	<5.0	5.0	ug/L		<5.0				30	
Chloroethane	<5.0	5.0	ug/L		<5.0				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563010
Date Received: 11/14/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5K2217 - *** DEFAULT PREP ****										
Duplicate (B5K2217-DUP1) Continued			**Source: 5K17004-08** Prepared & Analyzed: 11/14/05							
Chloroform	<5.0	5.0	ug/L		<5.0				30	
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/L		<5.0				30	
1,1-Dichloroethane	<5.0	5.0	ug/L		<5.0				30	
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/L		<5.0				30	
1,1-Dichloroethylene	**11.0**	5.0	ug/L		15			30.8	30	
trans-1,2-Dichloroethylene	<5.0	5.0	ug/L		<5.0				30	
cis-1,2-Dichloroethylene	<5.0	5.0	ug/L		<5.0				30	
Ethylbenzene	<5.0	5.0	ug/L		<5.0				30	
Isopropanol	<50	50	ug/L		<50				30	
Methylene Chloride	<25	25	ug/L		<25				30	
Stoddard Solvent	<100	100	ug/L		<100				30	
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/L		<5.0				30	
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/L		<5.0				30	
Tetrachloroethylene (PCE)	**38.0**	5.0	ug/L		68			56.6	30	
Toluene	<5.0	5.0	ug/L		<5.0				30	
1,1,2-Trichloroethane	<5.0	5.0	ug/L		<5.0				30	
1,1,1-Trichloroethane	<5.0	5.0	ug/L		<5.0				30	
Trichloroethylene (TCE)	**1150**	5.0	ug/L		1600			32.7	30	
Trichlorofluoromethane (R11)	<5.0	5.0	ug/L		<5.0				30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<25	25	ug/L		<25				200	
Vinyl chloride	<5.0	5.0	ug/L		<5.0				30	
o-Xylene	<5.0	5.0	ug/L		<5.0				30	
m,p-Xylenes	<5.0	5.0	ug/L		<5.0				30	
Surrogate: 4-Bromofluorobenzene	*49.7*		*ug/L*	*50.0*		*99.4*	*80-120*			
Surrogate: Dibromofluoromethane	*54.8*		*ug/L*	*50.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*54.0*		*ug/L*	*50.0*		*108*	*80-120*			
*Batch B5K2218 - *** DEFAULT PREP ****										
Blank (B5K2218-BLK1)				Prepared & Analyzed: 11/14/05						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563010
Date Received: 11/14/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5K2218 - *** DEFAULT PREP ****										
Blank (B5K2218-BLK1) Continued				Prepared & Analyzed: 11/14/05						
Stoddard Solvent	<100	100	ug/L							
Surrogate: Toluene-d8	*51.4*		*ug/L*	*50.0*		*103*	*80-120*			
LCS (B5K2218-BS1)				Prepared & Analyzed: 11/14/05						
Stoddard Solvent	**660**	100	ug/L	500		132	75-125			
Surrogate: Toluene-d8	*52.3*		*ug/L*	*50.0*		*105*	*80-120*			
Duplicate (B5K2218-DUP1)		**Source: 5K17004-09**		Prepared & Analyzed: 11/14/05						
Stoddard Solvent	<500	500	ug/L		<500				30	
Surrogate: Toluene-d8	*54.0*		*ug/L*	*50.0*		*108*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563010
Date Received: 11/14/05
Date Reported: 12/18/05

Special Notes

Viorel Vasile
Operations Manager

American Analytics Ÿ 9765 Eton Avenue, Chatsworth, California 91311
Tel: (818) 998-5547 Ÿ Fax: (818) 998-7258

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

AMERICAN ANALYTICS

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

№ 308582
DATE: 11/14/05
PAGE 1 OF 1

AA Client: Geomatrix
Project Manager: Linda Anlan / Paula Zeng
Project Name: Vernon
Job Name and Address: 3200 Fruitland Ave Vernon, CA

Phone: 949-642-0245
P.O. No.: 10627.000.0
Client's Project No.: 10627.000.0

Sampler's Name (Print): Sam Lee
Sampler's Signature:
Project Manager's Signature:

ANALYSIS REQUIRED (Test Name)

Client's I.D.	A.A. I.D.#	Date	Time	Sample Type	Number of Containers	8260B Short List	8260B Standard								Client's Comment Special Test Requirements / Comments (i.e., - Turnaround Time Detection Limits Data Package...)
Ambient air		11/14/05	0905	Vapor	1	X	X				5K17004			-01	X: Analyzed in the mobile lab.
09-SV-5.0-PV1			1045			X	X							-02	
09-SV-5.0-PV3			1125			X	X							-03	
09-SV-5.0-PV7			1158			X	X							-04	
09-SV-15.0			1232			X	X							-05	
16-SV-15.0			1300			X	X							-06	
12-SV-5.0			1328			X	X							-07	
12-SV-15.0			1355			X	X							-08	
12-SV-5.0-Dup			1416			X	X							-09	
11-SV-5.0			1456			X	X							-10	
11-SV-15.0			1525			X	X							-11	
03-SV-5.0			1547			X	X							-12	
03-SV-15.0			1612			X	X							-13	

05 NOV 14 18:42 59

LAB COMMENTS

Relinquished by:	Date	Time	Received by:
	11/14/05	1625	
Relinquished by:	Date 11/14/05	Time 1842	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:

Approved as Work Order by: Print Name: Nardez Vasile Signature: Date/Time: 11/17/05 1100

AA Project No.: MB 563010 / 5K17004

DISTRIBUTION: Page 1, White - Laboratory Page 2, Yellow - Laboratory Page 3, Pink - Account Executive Page 4, Gold - Client

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

January 12, 2006

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563011 / 5K17005

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/15/05 19:20 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563011
Date Received: 11/15/05
Date Reported: 01/12/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs (Custom List) by GC/MS					
Ambient Air	5K17005-01	Vapor	10	11/15/05 09:15	11/15/05 19:20
02-SV-5.0	5K17005-02	Vapor	10	11/15/05 09:40	11/15/05 19:20
02-SV-15.0	5K17005-03	Vapor	10	11/15/05 10:00	11/15/05 19:20
02-SV-5.0a	5K17005-04	Vapor	10	11/15/05 11:50	11/15/05 19:20
02-SV-15.0a	5K17005-05	Vapor	10	11/15/05 12:05	11/15/05 19:20
04-SV-5.0	5K17005-06	Vapor	10	11/15/05 12:30	11/15/05 19:20
04-SV-15.0	5K17005-07	Vapor	10	11/15/05 13:15	11/15/05 19:20
04-SV-5.0a	5K17005-08	Vapor	10	11/15/05 13:32	11/15/05 19:20
07-SV-5.0	5K17005-09	Vapor	10	11/15/05 14:00	11/15/05 19:20
07-SV-15.0	5K17005-10	Vapor	10	11/15/05 14:20	11/15/05 19:20
07-SV-15.0-Dup	5K17005-11	Vapor	10	11/15/05 14:50	11/15/05 19:20
05-SV-5.0a	5K17005-13	Vapor	10	11/15/05 16:10	11/15/05 19:20
05-SV-15.0	5K17005-14	Vapor	10	11/15/05 16:30	11/15/05 19:20
10-SV-5.0	5K17005-15	Vapor	10	11/15/05 16:55	11/15/05 19:20
10-SV-15.0	5K17005-16	Vapor	10	11/15/05 17:15	11/15/05 19:20
10-SV-5.0a	5K17005-17	Vapor	10	11/15/05 17:30	11/15/05 19:20

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563011
Date Received: 11/15/05
Date Reported: 01/12/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
07-SV-5.0a	5K17005-18	Vapor	10	11/15/05 18:05	11/15/05 19:20
07-SV-15.0a	5K17005-19	Vapor	10	11/15/05 18:35	11/15/05 19:20

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	1	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

Ambient Air

5K17005-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	1	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

Ambient Air

5K17005-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	105 %	80-120
Dibromofluoromethane	91.0 %	80-120
Toluene-d8	109 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	1	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

02-SV-5.0

5K17005-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	1	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

02-SV-5.0

5K17005-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	107 %	80-120
Dibromofluoromethane	94.4 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	1	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

02-SV-15.0

5K17005-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	1	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

02-SV-15.0

5K17005-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	86.2 %	80-120
Dibromofluoromethane	77.8 %	80-120
Toluene-d8	70.2 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

02-SV-5.0a

5K17005-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
2-Butanone (MEK)	<5.0	ug/L	5.0	<1.70	ppmv	1.70
Carbon Tetrachloride	<0.50	ug/L	0.50	<0.08	ppmv	0.08
Chloroethane	<0.50	ug/L	0.50	<0.19	ppmv	0.19
Chloroform	<0.50	ug/L	0.50	<0.10	ppmv	0.10
Dichlorodifluoromethane (R12)	<0.50	ug/L	0.50	<0.10	ppmv	0.10
1,1-Dichloroethane	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,2-Dichloroethane (EDC)	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,1-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
trans-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
cis-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
Ethylbenzene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
Isopropanol	<5.0	ug/L	5.0	<2.03	ppmv	2.03
Methylene Chloride	<2.5	ug/L	2.5	<0.72	ppmv	0.72
Stoddard Solvent	<50	ug/L	50	<9.53	ppmv	9.53
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Tetrachloroethylene (PCE)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
1,1,2-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,1-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

02-SV-5.0a

5K17005-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.50	ug/L	0.50	<0.09	ppmv	0.09
Trichlorofluoromethane (R11)	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5	ug/L	2.5	<0.33	ppmv	0.33
Vinyl chloride	<0.50	ug/L	0.50	<0.20	ppmv	0.20
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	0.50	<0.12	ppmv	0.12

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	97.0 %	80-120
Dibromofluoromethane	90.0 %	80-120
Toluene-d8	84.4 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

02-SV-15.0a

5K17005-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
2-Butanone (MEK)	<5.0	ug/L	5.0	<1.70	ppmv	1.70
Carbon Tetrachloride	<0.50	ug/L	0.50	<0.08	ppmv	0.08
Chloroethane	<0.50	ug/L	0.50	<0.19	ppmv	0.19
Chloroform	<0.50	ug/L	0.50	<0.10	ppmv	0.10
Dichlorodifluoromethane (R12)	<0.50	ug/L	0.50	<0.10	ppmv	0.10
1,1-Dichloroethane	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,2-Dichloroethane (EDC)	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,1-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
trans-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
cis-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
Ethylbenzene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
Isopropanol	<5.0	ug/L	5.0	<2.03	ppmv	2.03
Methylene Chloride	<2.5	ug/L	2.5	<0.72	ppmv	0.72
Stoddard Solvent	<50	ug/L	50	<9.53	ppmv	9.53
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Tetrachloroethylene (PCE)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
1,1,2-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,1-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

02-SV-15.0a

5K17005-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.50	ug/L	0.50	<0.09	ppmv	0.09
Trichlorofluoromethane (R11)	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5	ug/L	2.5	<0.33	ppmv	0.33
Vinyl chloride	<0.50	ug/L	0.50	<0.20	ppmv	0.20
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	0.50	<0.12	ppmv	0.12

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	95.8 %	80-120
Dibromofluoromethane	90.2 %	80-120
Toluene-d8	82.8 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	10	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

04-SV-5.0

5K17005-06 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<10	ug/L	10	<3.13	ppmv	3.13
2-Butanone (MEK)	<100	ug/L	100	<33.91	ppmv	33.91
Carbon Tetrachloride	<10	ug/L	10	<1.59	ppmv	1.59
Chloroethane	<10	ug/L	10	<3.79	ppmv	3.79
Chloroform	<10	ug/L	10	<2.05	ppmv	2.05
Dichlorodifluoromethane (R12)	<10	ug/L	10	<2.02	ppmv	2.02
1,1-Dichloroethane	<10	ug/L	10	<2.47	ppmv	2.47
1,2-Dichloroethane (EDC)	<10	ug/L	10	<2.47	ppmv	2.47
1,1-Dichloroethylene	<10	ug/L	10	<2.52	ppmv	2.52
trans-1,2-Dichloroethylene	<10	ug/L	10	<2.52	ppmv	2.52
cis-1,2-Dichloroethylene	<10	ug/L	10	<2.52	ppmv	2.52
Ethylbenzene	<10	ug/L	10	<2.30	ppmv	2.30
Isopropanol	<100	ug/L	100	<40.68	ppmv	40.68
Methylene Chloride	<50	ug/L	50	<14.39	ppmv	14.39
Stoddard Solvent	<1000	ug/L	1000	<190.64	ppmv	190.64
1,1,1,2-Tetrachloroethane	<10	ug/L	10	<1.46	ppmv	1.46
1,1,2,2-Tetrachloroethane	<10	ug/L	10	<1.46	ppmv	1.46
Tetrachloroethylene (PCE)	<10	ug/L	10	<1.47	ppmv	1.47
Toluene	<10	ug/L	10	<2.65	ppmv	2.65
1,1,2-Trichloroethane	<10	ug/L	10	<1.83	ppmv	1.83
1,1,1-Trichloroethane	<10	ug/L	10	<1.83	ppmv	1.83

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	10	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

04-SV-5.0

5K17005-06 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**22**	ug/L	10	**4.09**	ppmv	1.86
Trichlorofluoromethane (R11)	<10	ug/L	10	<1.78	ppmv	1.78
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<50	ug/L	50	<6.52	ppmv	6.52
Vinyl chloride	<10	ug/L	10	<3.91	ppmv	3.91
o-Xylene	<10	ug/L	10	<2.30	ppmv	2.30
m,p-Xylenes	<10	ug/L	10	<2.30	ppmv	2.30

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	109 %	80-120
Dibromofluoromethane	108 %	80-120
Toluene-d8	109 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

04-SV-15.0

5K17005-07 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
2-Butanone (MEK)	<5.0	ug/L	5.0	<1.70	ppmv	1.70
Carbon Tetrachloride	<0.50	ug/L	0.50	<0.08	ppmv	0.08
Chloroethane	<0.50	ug/L	0.50	<0.19	ppmv	0.19
Chloroform	<0.50	ug/L	0.50	<0.10	ppmv	0.10
Dichlorodifluoromethane (R12)	<0.50	ug/L	0.50	<0.10	ppmv	0.10
1,1-Dichloroethane	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,2-Dichloroethane (EDC)	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,1-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
trans-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
cis-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
Ethylbenzene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
Isopropanol	<5.0	ug/L	5.0	<2.03	ppmv	2.03
Methylene Chloride	<2.5	ug/L	2.5	<0.72	ppmv	0.72
Stoddard Solvent	<50	ug/L	50	<9.53	ppmv	9.53
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Tetrachloroethylene (PCE)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
1,1,2-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,1-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

04-SV-15.0

5K17005-07 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**5.7**	ug/L	0.50	**1.06**	ppmv	0.09
Trichlorofluoromethane (R11)	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5	ug/L	2.5	<0.33	ppmv	0.33
Vinyl chloride	<0.50	ug/L	0.50	<0.20	ppmv	0.20
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	0.50	<0.12	ppmv	0.12

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	106 %	80-120
Dibromofluoromethane	95.0 %	80-120
Toluene-d8	101 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

04-SV-5.0a

5K17005-08 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
2-Butanone (MEK)	<5.0	ug/L	5.0	<1.70	ppmv	1.70
Carbon Tetrachloride	<0.50	ug/L	0.50	<0.08	ppmv	0.08
Chloroethane	<0.50	ug/L	0.50	<0.19	ppmv	0.19
Chloroform	<0.50	ug/L	0.50	<0.10	ppmv	0.10
Dichlorodifluoromethane (R12)	<0.50	ug/L	0.50	<0.10	ppmv	0.10
1,1-Dichloroethane	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,2-Dichloroethane (EDC)	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,1-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
trans-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
cis-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
Ethylbenzene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
Isopropanol	<5.0	ug/L	5.0	<2.03	ppmv	2.03
Methylene Chloride	<2.5	ug/L	2.5	<0.72	ppmv	0.72
Stoddard Solvent	<50	ug/L	50	<9.53	ppmv	9.53
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Tetrachloroethylene (PCE)	**1.1**	ug/L	0.50	**0.16**	ppmv	0.07
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
1,1,2-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,1-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

04-SV-5.0a

5K17005-08 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**14**	ug/L	0.50	**2.61**	ppmv	0.09
Trichlorofluoromethane (R11)	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5	ug/L	2.5	<0.33	ppmv	0.33
Vinyl chloride	<0.50	ug/L	0.50	<0.20	ppmv	0.20
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	0.50	<0.12	ppmv	0.12

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	108 %	80-120
Dibromofluoromethane	105 %	80-120
Toluene-d8	112 %	80-120

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

07-SV-5.0

5K17005-09 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
2-Butanone (MEK)	<5.0	ug/L	5.0	<1.70	ppmv	1.70
Carbon Tetrachloride	<0.50	ug/L	0.50	<0.08	ppmv	0.08
Chloroethane	<0.50	ug/L	0.50	<0.19	ppmv	0.19
Chloroform	<0.50	ug/L	0.50	<0.10	ppmv	0.10
Dichlorodifluoromethane (R12)	<0.50	ug/L	0.50	<0.10	ppmv	0.10
1,1-Dichloroethane	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,2-Dichloroethane (EDC)	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,1-Dichloroethylene	**1.4**	ug/L	0.50	**0.35**	ppmv	0.13
trans-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
cis-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
Ethylbenzene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
Isopropanol	<5.0	ug/L	5.0	<2.03	ppmv	2.03
Methylene Chloride	<2.5	ug/L	2.5	<0.72	ppmv	0.72
Stoddard Solvent	<50	ug/L	50	<9.53	ppmv	9.53
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Tetrachloroethylene (PCE)	**11**	ug/L	0.50	**1.62**	ppmv	0.07
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
1,1,2-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,1-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

07-SV-5.0

5K17005-09 (Vapor)

Analyte	Result		(ug/L)	MRL	Result		(ppmv)	MRL
Trichloroethylene (TCE)	**250**	E	ug/L	0.50	**46.52**	E	ppmv	0.09
Trichlorofluoromethane (R11)	<0.50		ug/L	0.50	<0.09		ppmv	0.09
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5		ug/L	2.5	<0.33		ppmv	0.33
Vinyl chloride	<0.50		ug/L	0.50	<0.20		ppmv	0.20
o-Xylene	<0.50		ug/L	0.50	<0.12		ppmv	0.12
m,p-Xylenes	<0.50		ug/L	0.50	<0.12		ppmv	0.12

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	109 %	80-120
Dibromofluoromethane	109 %	80-120
Toluene-d8	114 %	80-120

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

07-SV-15.0

5K17005-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
2-Butanone (MEK)	<5.0	ug/L	5.0	<1.70	ppmv	1.70
Carbon Tetrachloride	<0.50	ug/L	0.50	<0.08	ppmv	0.08
Chloroethane	<0.50	ug/L	0.50	<0.19	ppmv	0.19
Chloroform	<0.50	ug/L	0.50	<0.10	ppmv	0.10
Dichlorodifluoromethane (R12)	<0.50	ug/L	0.50	<0.10	ppmv	0.10
1,1-Dichloroethane	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,2-Dichloroethane (EDC)	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,1-Dichloroethylene	**1.5**	ug/L	0.50	**0.38**	ppmv	0.13
trans-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
cis-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
Ethylbenzene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
Isopropanol	<5.0	ug/L	5.0	<2.03	ppmv	2.03
Methylene Chloride	<2.5	ug/L	2.5	<0.72	ppmv	0.72
Stoddard Solvent	<50	ug/L	50	<9.53	ppmv	9.53
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Tetrachloroethylene (PCE)	**9.4**	ug/L	0.50	**1.39**	ppmv	0.07
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
1,1,2-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,1-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

07-SV-15.0

5K17005-10 (Vapor)

Analyte	Result		(ug/L)	MRL	Result		(ppmv)	MRL
Trichloroethylene (TCE)	**270**	E	ug/L	0.50	**50.24**	E	ppmv	0.09
Trichlorofluoromethane (R11)	<0.50		ug/L	0.50	<0.09		ppmv	0.09
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5		ug/L	2.5	<0.33		ppmv	0.33
Vinyl chloride	<0.50		ug/L	0.50	<0.20		ppmv	0.20
o-Xylene	<0.50		ug/L	0.50	<0.12		ppmv	0.12
m,p-Xylenes	<0.50		ug/L	0.50	<0.12		ppmv	0.12

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	109 %	80-120
Dibromofluoromethane	109 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

07-SV-15.0-Dup

5K17005-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
2-Butanone (MEK)	<5.0	ug/L	5.0	<1.70	ppmv	1.70
Carbon Tetrachloride	<0.50	ug/L	0.50	<0.08	ppmv	0.08
Chloroethane	<0.50	ug/L	0.50	<0.19	ppmv	0.19
Chloroform	<0.50	ug/L	0.50	<0.10	ppmv	0.10
Dichlorodifluoromethane (R12)	<0.50	ug/L	0.50	<0.10	ppmv	0.10
1,1-Dichloroethane	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,2-Dichloroethane (EDC)	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,1-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
trans-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
cis-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
Ethylbenzene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
Isopropanol	<5.0	ug/L	5.0	<2.03	ppmv	2.03
Methylene Chloride	<2.5	ug/L	2.5	<0.72	ppmv	0.72
Stoddard Solvent	<50	ug/L	50	<9.53	ppmv	9.53
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Tetrachloroethylene (PCE)	**1.8**	ug/L	0.50	**0.27**	ppmv	0.07
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
1,1,2-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,1-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

07-SV-15.0-Dup

5K17005-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**100**	ug/L	0.50	**18.61**	ppmv	0.09
Trichlorofluoromethane (R11)	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5	ug/L	2.5	<0.33	ppmv	0.33
Vinyl chloride	<0.50	ug/L	0.50	<0.20	ppmv	0.20
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	0.50	<0.12	ppmv	0.12

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	107 %	80-120
Dibromofluoromethane	106 %	80-120
Toluene-d8	107 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

05-SV-5.0a

5K17005-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
2-Butanone (MEK)	<5.0	ug/L	5.0	<1.70	ppmv	1.70
Carbon Tetrachloride	<0.50	ug/L	0.50	<0.08	ppmv	0.08
Chloroethane	<0.50	ug/L	0.50	<0.19	ppmv	0.19
Chloroform	<0.50	ug/L	0.50	<0.10	ppmv	0.10
Dichlorodifluoromethane (R12)	<0.50	ug/L	0.50	<0.10	ppmv	0.10
1,1-Dichloroethane	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,2-Dichloroethane (EDC)	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,1-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
trans-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
cis-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
Ethylbenzene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
Isopropanol	<5.0	ug/L	5.0	<2.03	ppmv	2.03
Methylene Chloride	<2.5	ug/L	2.5	<0.72	ppmv	0.72
Stoddard Solvent	<50	ug/L	50	<9.53	ppmv	9.53
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Tetrachloroethylene (PCE)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
1,1,2-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,1-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09

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Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

05-SV-5.0a

5K17005-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**4.2**	ug/L	0.50	**0.78**	ppmv	0.09
Trichlorofluoromethane (R11)	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5	ug/L	2.5	<0.33	ppmv	0.33
Vinyl chloride	<0.50	ug/L	0.50	<0.20	ppmv	0.20
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	0.50	<0.12	ppmv	0.12

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	108 %	80-120
Dibromofluoromethane	113 %	80-120
Toluene-d8	110 %	80-120

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

05-SV-15.0

5K17005-14 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
2-Butanone (MEK)	<5.0	ug/L	5.0	<1.70	ppmv	1.70
Carbon Tetrachloride	<0.50	ug/L	0.50	<0.08	ppmv	0.08
Chloroethane	<0.50	ug/L	0.50	<0.19	ppmv	0.19
Chloroform	<0.50	ug/L	0.50	<0.10	ppmv	0.10
Dichlorodifluoromethane (R12)	<0.50	ug/L	0.50	<0.10	ppmv	0.10
1,1-Dichloroethane	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,2-Dichloroethane (EDC)	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,1-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
trans-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
cis-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
Ethylbenzene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
Isopropanol	<5.0	ug/L	5.0	<2.03	ppmv	2.03
Methylene Chloride	<2.5	ug/L	2.5	<0.72	ppmv	0.72
Stoddard Solvent	<50	ug/L	50	<9.53	ppmv	9.53
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Tetrachloroethylene (PCE)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
1,1,2-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,1-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09

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Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

05-SV-15.0

5K17005-14 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**14**	ug/L	0.50	**2.61**	ppmv	0.09
Trichlorofluoromethane (R11)	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5	ug/L	2.5	<0.33	ppmv	0.33
Vinyl chloride	<0.50	ug/L	0.50	<0.20	ppmv	0.20
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	0.50	<0.12	ppmv	0.12

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	109 %	80-120
Dibromofluoromethane	105 %	80-120
Toluene-d8	114 %	80-120

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

10-SV-5.0

5K17005-15 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
2-Butanone (MEK)	<5.0	ug/L	5.0	<1.70	ppmv	1.70
Carbon Tetrachloride	<0.50	ug/L	0.50	<0.08	ppmv	0.08
Chloroethane	<0.50	ug/L	0.50	<0.19	ppmv	0.19
Chloroform	**7.6**	ug/L	0.50	**1.56**	ppmv	0.10
Dichlorodifluoromethane (R12)	<0.50	ug/L	0.50	<0.10	ppmv	0.10
1,1-Dichloroethane	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,2-Dichloroethane (EDC)	<0.50	ug/L	0.50	<0.12	ppmv	0.12
1,1-Dichloroethylene	**1.4**	ug/L	0.50	**0.35**	ppmv	0.13
trans-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
cis-1,2-Dichloroethylene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
Ethylbenzene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
Isopropanol	<5.0	ug/L	5.0	<2.03	ppmv	2.03
Methylene Chloride	<2.5	ug/L	2.5	<0.72	ppmv	0.72
Stoddard Solvent	<50	ug/L	50	<9.53	ppmv	9.53
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Tetrachloroethylene (PCE)	**27**	ug/L	0.50	**3.98**	ppmv	0.07
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
1,1,2-Trichloroethane	<0.50	ug/L	0.50	<0.09	ppmv	0.09
1,1,1-Trichloroethane	**2.0**SP1	ug/L	0.50	**0.37**SP1	ppmv	0.09

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LABORATORY ANALYSIS RESULTS

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Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	0.5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

10-SV-5.0

5K17005-15 (Vapor)

Analyte	Result		(ug/L)	MRL	Result		(ppmv)	MRL
Trichloroethylene (TCE)	**520**	E	ug/L	0.50	**96.77**	E	ppmv	0.09
Trichlorofluoromethane (R11)	<0.50		ug/L	0.50	<0.09		ppmv	0.09
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5		ug/L	2.5	<0.33		ppmv	0.33
Vinyl chloride	<0.50		ug/L	0.50	<0.20		ppmv	0.20
o-Xylene	<0.50		ug/L	0.50	<0.12		ppmv	0.12
m,p-Xylenes	<0.50		ug/L	0.50	<0.12		ppmv	0.12

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	109 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	113 %	80-120

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

10-SV-15.0

5K17005-16 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<5.0	ug/L	5.0	<1.57	ppmv	1.57
2-Butanone (MEK)	<50	ug/L	50	<16.95	ppmv	16.95
Carbon Tetrachloride	<5.0	ug/L	5.0	<0.79	ppmv	0.79
Chloroethane	<5.0	ug/L	5.0	<1.89	ppmv	1.89
Chloroform	<5.0	ug/L	5.0	<1.02	ppmv	1.02
Dichlorodifluoromethane (R12)	<5.0	ug/L	5.0	<1.01	ppmv	1.01
1,1-Dichloroethane	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,2-Dichloroethane (EDC)	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,1-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
trans-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
cis-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
Ethylbenzene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
Isopropanol	<50	ug/L	50	<20.34	ppmv	20.34
Methylene Chloride	<25	ug/L	25	<7.20	ppmv	7.20
Stoddard Solvent	<500	ug/L	500	<95.32	ppmv	95.32
1,1,1,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
1,1,2,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
Tetrachloroethylene (PCE)	**29**	ug/L	5.0	**4.28**	ppmv	0.74
Toluene	<5.0	ug/L	5.0	<1.33	ppmv	1.33
1,1,2-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92
1,1,1-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92

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Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

10-SV-15.0

5K17005-16 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**1100**	ug/L	5.0	**204.70**	ppmv	0.93
Trichlorofluoromethane (R11)	<5.0	ug/L	5.0	<0.89	ppmv	0.89
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<25	ug/L	25	<3.26	ppmv	3.26
Vinyl chloride	<5.0	ug/L	5.0	<1.96	ppmv	1.96
o-Xylene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
m,p-Xylenes	<5.0	ug/L	5.0	<1.15	ppmv	1.15

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	109 %	80-120
Dibromofluoromethane	109 %	80-120
Toluene-d8	110 %	80-120

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Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	10	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

10-SV-5.0a

5K17005-17 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<10	ug/L	10	<3.13	ppmv	3.13
2-Butanone (MEK)	<100	ug/L	100	<33.91	ppmv	33.91
Carbon Tetrachloride	<10	ug/L	10	<1.59	ppmv	1.59
Chloroethane	<10	ug/L	10	<3.79	ppmv	3.79
Chloroform	<10	ug/L	10	<2.05	ppmv	2.05
Dichlorodifluoromethane (R12)	<10	ug/L	10	<2.02	ppmv	2.02
1,1-Dichloroethane	<10	ug/L	10	<2.47	ppmv	2.47
1,2-Dichloroethane (EDC)	<10	ug/L	10	<2.47	ppmv	2.47
1,1-Dichloroethylene	<10	ug/L	10	<2.52	ppmv	2.52
trans-1,2-Dichloroethylene	<10	ug/L	10	<2.52	ppmv	2.52
cis-1,2-Dichloroethylene	<10	ug/L	10	<2.52	ppmv	2.52
Ethylbenzene	<10	ug/L	10	<2.30	ppmv	2.30
Isopropanol	<100	ug/L	100	<40.68	ppmv	40.68
Methylene Chloride	<50	ug/L	50	<14.39	ppmv	14.39
Stoddard Solvent	<1000	ug/L	1000	<190.64	ppmv	190.64
1,1,1,2-Tetrachloroethane	<10	ug/L	10	<1.46	ppmv	1.46
1,1,2,2-Tetrachloroethane	<10	ug/L	10	<1.46	ppmv	1.46
Tetrachloroethylene (PCE)	<10	ug/L	10	<1.47	ppmv	1.47
Toluene	<10	ug/L	10	<2.65	ppmv	2.65
1,1,2-Trichloroethane	<10	ug/L	10	<1.83	ppmv	1.83
1,1,1-Trichloroethane	<10	ug/L	10	<1.83	ppmv	1.83

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	10	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

10-SV-5.0a

5K17005-17 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**490**	ug/L	10	**91.18**	ppmv	1.86
Trichlorofluoromethane (R11)	<10	ug/L	10	<1.78	ppmv	1.78
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<50	ug/L	50	<6.52	ppmv	6.52
Vinyl chloride	<10	ug/L	10	<3.91	ppmv	3.91
o-Xylene	<10	ug/L	10	<2.30	ppmv	2.30
m,p-Xylenes	<10	ug/L	10	<2.30	ppmv	2.30

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	109 %	80-120
Dibromofluoromethane	111 %	80-120
Toluene-d8	112 %	80-120

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

07-SV-5.0a

5K17005-18 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<5.0	ug/L	5.0	<1.57	ppmv	1.57
2-Butanone (MEK)	<50	ug/L	50	<16.95	ppmv	16.95
Carbon Tetrachloride	<5.0	ug/L	5.0	<0.79	ppmv	0.79
Chloroethane	<5.0	ug/L	5.0	<1.89	ppmv	1.89
Chloroform	<5.0	ug/L	5.0	<1.02	ppmv	1.02
Dichlorodifluoromethane (R12)	<5.0	ug/L	5.0	<1.01	ppmv	1.01
1,1-Dichloroethane	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,2-Dichloroethane (EDC)	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,1-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
trans-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
cis-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
Ethylbenzene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
Isopropanol	<50	ug/L	50	<20.34	ppmv	20.34
Methylene Chloride	<25	ug/L	25	<7.20	ppmv	7.20
Stoddard Solvent	<500	ug/L	500	<95.32	ppmv	95.32
1,1,1,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
1,1,2,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
Tetrachloroethylene (PCE)	<5.0	ug/L	5.0	<0.74	ppmv	0.74
Toluene	<5.0	ug/L	5.0	<1.33	ppmv	1.33
1,1,2-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92
1,1,1-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

07-SV-5.0a

5K17005-18 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**220**	ug/L	5.0	**40.94**	ppmv	0.93
Trichlorofluoromethane (R11)	<5.0	ug/L	5.0	<0.89	ppmv	0.89
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<25	ug/L	25	<3.26	ppmv	3.26
Vinyl chloride	<5.0	ug/L	5.0	<1.96	ppmv	1.96
o-Xylene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
m,p-Xylenes	<5.0	ug/L	5.0	<1.15	ppmv	1.15

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	109 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	114 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

07-SV-15.0a

5K17005-19 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<5.0	ug/L	5.0	<1.57	ppmv	1.57
2-Butanone (MEK)	<50	ug/L	50	<16.95	ppmv	16.95
Carbon Tetrachloride	<5.0	ug/L	5.0	<0.79	ppmv	0.79
Chloroethane	<5.0	ug/L	5.0	<1.89	ppmv	1.89
Chloroform	<5.0	ug/L	5.0	<1.02	ppmv	1.02
Dichlorodifluoromethane (R12)	<5.0	ug/L	5.0	<1.01	ppmv	1.01
1,1-Dichloroethane	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,2-Dichloroethane (EDC)	<5.0	ug/L	5.0	<1.24	ppmv	1.24
1,1-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
trans-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
cis-1,2-Dichloroethylene	<5.0	ug/L	5.0	<1.26	ppmv	1.26
Ethylbenzene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
Isopropanol	<50	ug/L	50	<20.34	ppmv	20.34
Methylene Chloride	<25	ug/L	25	<7.20	ppmv	7.20
Stoddard Solvent	<500	ug/L	500	<95.32	ppmv	95.32
1,1,1,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
1,1,2,2-Tetrachloroethane	<5.0	ug/L	5.0	<0.73	ppmv	0.73
Tetrachloroethylene (PCE)	<5.0	ug/L	5.0	<0.74	ppmv	0.74
Toluene	<5.0	ug/L	5.0	<1.33	ppmv	1.33
1,1,2-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92
1,1,1-Trichloroethane	<5.0	ug/L	5.0	<0.92	ppmv	0.92

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563011
Project No:	10627.000.0	**Date Received:**	11/15/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/15/05
Dilution:	5	**Prepared:**	11/15/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/15/05

07-SV-15.0a

5K17005-19 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**75**	ug/L	5.0	**13.96**	ppmv	0.93
Trichlorofluoromethane (R11)	<5.0	ug/L	5.0	<0.89	ppmv	0.89
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<25	ug/L	25	<3.26	ppmv	3.26
Vinyl chloride	<5.0	ug/L	5.0	<1.96	ppmv	1.96
o-Xylene	<5.0	ug/L	5.0	<1.15	ppmv	1.15
m,p-Xylenes	<5.0	ug/L	5.0	<1.15	ppmv	1.15

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	107 %	80-120
Dibromofluoromethane	111 %	80-120
Toluene-d8	111 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563011
Date Received: 11/15/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5K2905 - *** DEFAULT PREP ****										
Blank (B5K2905-BLK1)				Prepared & Analyzed: 11/15/05						
Benzene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
Dichlorodifluoromethane (R12)	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
1,2-Dichloroethane (EDC)	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Isopropanol	<10	10	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Stoddard Solvent	<100	100	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene (PCE)	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Trichloroethylene (TCE)	<1.0	1.0	ug/L							
Trichlorofluoromethane (R11)	<1.0	1.0	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/L							
Vinyl chloride	<1.0	1.0	ug/L							
o-Xylene	<1.0	1.0	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.6*		*ug/L*	*50.0*		*105*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563011
Date Received: 11/15/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5K2905 - *** DEFAULT PREP ****										
Blank (B5K2905-BLK1) Continued				Prepared & Analyzed: 11/15/05						
Surrogate: Dibromofluoromethane	*45.5*		*ug/L*	*50.0*		*91.0*	*80-120*			
Surrogate: Toluene-d8	*54.5*		*ug/L*	*50.0*		*109*	*80-120*			
LCS (B5K2905-BS1)				Prepared & Analyzed: 11/15/05						
Carbon Tetrachloride	**14.6**	1.0	ug/L	10.0		146	75-125			
Chloroethane	**11.5**	1.0	ug/L	10.0		115	75-125			
Chloroform	**11.6**	1.0	ug/L	10.0		116	75-125			
1,1-Dichloroethane	**12.4**	1.0	ug/L	10.0		124	75-125			
1,2-Dichloroethane (EDC)	**12.9**	1.0	ug/L	10.0		129	75-125			
1,1-Dichloroethylene	**9.86**	1.0	ug/L	10.0		98.6	75-125			
trans-1,2-Dichloroethylene	**11.2**	1.0	ug/L	10.0		112	75-125			
cis-1,2-Dichloroethylene	**10.7**	1.0	ug/L	10.0		107	75-125			
Ethylbenzene	**10.3**	1.0	ug/L	10.0		103	75-125			
Isopropanol	**259**	10	ug/L	250		104	0-200			
Methylene Chloride	**9.03**	5.0	ug/L	10.0		90.3	75-125			
Stoddard Solvent	**272**	100	ug/L	250		109	75-125			
1,1,2,2-Tetrachloroethane	**11.9**	1.0	ug/L	10.0		119	75-125			
Tetrachloroethylene (PCE)	**9.28**	1.0	ug/L	10.0		92.8	75-125			
Toluene	**10.2**	1.0	ug/L	10.0		102	75-125			
1,1,2-Trichloroethane	**9.92**	1.0	ug/L	10.0		99.2	75-125			
1,1,1-Trichloroethane	**12.9**	1.0	ug/L	10.0		129	75-125			
Trichloroethylene (TCE)	**11.4**	1.0	ug/L	10.0		114	75-125			
Vinyl chloride	**9.78**	1.0	ug/L	10.0		97.8	75-125			
o-Xylene	**10.0**	1.0	ug/L	10.0		100	75-125			
Surrogate: 4-Bromofluorobenzene	*26.8*		*ug/L*	*25.0*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*28.1*		*ug/L*	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*25.4*		*ug/L*	*25.0*		*102*	*80-120*			
Duplicate (B5K2905-DUP1)				**Source: 5K17005-19**	Prepared & Analyzed: 11/15/05					
Benzene	<0.50	0.50	ug/L		<0.50				30	
2-Butanone (MEK)	<5.0	5.0	ug/L		<5.0				30	
Carbon Tetrachloride	<0.50	0.50	ug/L		<0.50				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563011
Date Received: 11/15/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5K2905 - *** DEFAULT PREP ****										
Duplicate (B5K2905-DUP1) Continued			**Source: 5K17005-19** Prepared & Analyzed: 11/15/05							
Chloroethane	<0.50	0.50	ug/L		<0.50				30	
Chloroform	<0.50	0.50	ug/L		<0.50				30	
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L		<0.50				30	
1,1-Dichloroethane	<0.50	0.50	ug/L		<0.50				30	
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L		<0.50				30	
1,1-Dichloroethylene	<0.50	0.50	ug/L		<0.50				30	
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L		<0.50				30	
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L		<0.50				30	
Ethylbenzene	<0.50	0.50	ug/L		<0.50				30	
Isopropanol	<5.0	5.0	ug/L		<5.0				30	
Methylene Chloride	<2.5	2.5	ug/L		<2.5				30	
Stoddard Solvent	<50	50	ug/L		<50				30	
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L		<0.50				30	
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L		<0.50				30	
Tetrachloroethylene (PCE)	**1.83**	0.50	ug/L		<0.50				30	
Toluene	<0.50	0.50	ug/L		<0.50				30	
1,1,2-Trichloroethane	<0.50	0.50	ug/L		<0.50				30	
1,1,1-Trichloroethane	<0.50	0.50	ug/L		<0.50				30	
Trichloroethylene (TCE)	**102**	0.50	ug/L		75			30.5	30	
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L		<0.50				30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5	2.5	ug/L		<2.5				200	
Vinyl chloride	<0.50	0.50	ug/L		<0.50				30	
o-Xylene	<0.50	0.50	ug/L		<0.50				30	
m,p-Xylenes	<0.50	0.50	ug/L		<0.50				30	
Surrogate: 4-Bromofluorobenzene	*53.6*		*ug/L*	*50.0*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*53.2*		*ug/L*	*50.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*53.4*		*ug/L*	*50.0*		*107*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563011
Date Received: 11/15/05
Date Reported: 01/12/06

Special Notes

[1] = E : The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).

[2] = SP1 : The recovery for this compound in the LCS is marginally above the upper acceptance limit; therefore, the reported concentration may be biased high.

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

AMERICAN ANALYTICS

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

№ 308145
DATE: 11/15/05
PAGE 1 OF 2

AA Client: Geomatrix	Phone: 949-642-0245	Sampler's Name (Print): Allen Amirian	
Project Manager: Linda Coulam	P.O. No.: 10627.000.0	Sampler's Signature:	
Project Name: Vernon	Client's Project No.: 10627.000.0	Project Manager's Signature:	
Job Name and Address:			

ANALYSIS REQUIRED (Test Name): VOCs by EPA 8260 Stoddard Solvent

Client's I.D.	A.A. I.D.#	Date	Time	Sample Type	Number of Containers	VOCs by EPA 8260	Stoddard Solvent								Client's Comment Special Test Requirements / Comments (i.e., - Turnaround Time Detection Limits Data Package...)
AMBIENT ~~Blank~~ AIR		11/15/05	9:15	V		X	X			5K17005			-01		
02-SV-5.0		"	9:40	V		X	X						-02		170 ml Purge 10 ml
02-SV-15.0		"	10:00	V		X	X						-03		500 ml purge 10 ml
02-SV-5.0 Dup		"	11:50	V		X	X						-04		170 ml Purge 20 ml
02-SV-15.0 Dup		"	12:05	V		X	X						-05		500 ml purge 20 ml
04-SV-5.0		"	12:30	V		X	X						-06		170 ml purge 10 ml (1/10 dil)
04-SV-15.0		"	13:15	V		X	X						-07		500 ml Purge 20 ml
04-SV-5.0 Dup		"	13:32	V		X	X						-08		No Purge 20 ml
07-SV-5.0		"	14:00	V		X	X						-09		170 ml purge 20 ml
07-SV-15.0		"	14:20	V		X	X						-10		500 ml Purge 20 ml
02-SV-15.0-Dup		"	14:50	V		X	X						-11		No Purge 20 ml
05-SV-5.0		"	15:40	V		X	X						-12		170 ml purg 100 ml (Bad Run)
05-SV-5.0a		"	16:10	V		X	X						-13		~~170 ml~~ No Purge 20 ml
05-SV-15.0		"	16:30	V		X	X						-14		500 ml Purge 20 ml
10-SV-5.0		"	16:55	V		X	X						-15		170 ml purge 20 ml
10-SV-15.0		"	17:15	V		X	X						-16		500 ml purge 20 ml

LAB COMMENTS

Relinquished by:	Date	Time	Received by:
[signature]	11/15/05	19:20	[signature]
[signature]	11/16/05	15:21	

Approved as Work Order by: Print Name: VIOREL VASILE Signature: [signature] Date/Time: 11/17/05 1100

AA Project No. 94B563011 5K17005

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AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

№ 308146
DATE: 11/15/05
PAGE 2 OF 2

AA Client: Geomatrix	Phone: 949-642-0245	Sampler's Name (Print): Allen Aminian	
Project Manager: Linda Coulan	P.O. No.: 10627.000.0	Sampler's Signature:	
Project Name: Vernon	Client's Project No.: 10627.000.0	Project Manager's Signature:	
Job Name and Address:			

ANALYSIS REQUIRED (Test Name): VOCs by GC/MS; Stoddard Solvent

Client's I.D.	A.A. I.D.#	Date	Time	Sample Type	Number of Containers	VOCs by GC/MS	Stoddard Solvent								Client's Comment Special Test Requirements / Comments (i.e., - Turnaround Time Detection Limits Data Package...)
10-SV-5.0a	17:30	11/15/05		V		X	X			5K17005-17					No Purge 10 ml (1/10)
07-SV-5.0a	18:05	"		V		X	X			-18					" 20 ml (1/10)
07-SV-15.0a	18:35	"		V		X	X			-19					" 20 ml (1/10)

'05 NOV 16 15:21 31

LAB COMMENTS

Relinquished by:	Date	Time	Received by:
[signature]	11/15/05	19:20	[signature]
[signature]	11/16/05	15:21	

Approved as Work Order by: Print Name: MOREL VADILE Signature: [signature] Date/Time: 11/17/05 1100

AA Project No. MB563011 / 5K17005

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9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

December 18, 2005

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563012 / 5K17006

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/16/05 17:03 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8082 PCBs					
20-SS-6.5	5K17006-02	Soil	10	11/16/05 09:35	11/16/05 17:03
20-SS-10.5	5K17006-03	Soil	10	11/16/05 10:00	11/16/05 17:03
18-SS-2.8	5K17006-04	Soil	10	11/16/05 10:45	11/16/05 17:03
21-SS-6.8	5K17006-05	Soil	10	11/16/05 11:37	11/16/05 17:03
21-SS-10.0	5K17006-06	Soil	10	11/16/05 11:40	11/16/05 17:03
19-SS-2.8	5K17006-07	Soil	10	11/16/05 12:25	11/16/05 17:03
01-SS-3.0	5K17006-08	Soil	10	11/16/05 13:25	11/16/05 17:03
01-SS-6.5	5K17006-09	Soil	10	11/16/05 13:45	11/16/05 17:03
8260B Full List					
TB-111605-01	5K17006-01	Water	10	11/16/05 00:00	11/16/05 17:03
8260B/5035 Soil Full List					
20-SS-6.5	5K17006-02	Soil	10	11/16/05 09:35	11/16/05 17:03
20-SS-10.5	5K17006-03	Soil	10	11/16/05 10:00	11/16/05 17:03
01-SS-3.0	5K17006-08	Soil	10	11/16/05 13:25	11/16/05 17:03
01-SS-6.5	5K17006-09	Soil	10	11/16/05 13:45	11/16/05 17:03
Carbon Chain Characterization 8015M					
20-SS-6.5	5K17006-02	Soil	5	11/16/05 09:35	11/16/05 17:03

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
20-SS-10.5	5K17006-03	Soil	5	11/16/05 10:00	11/16/05 17:03
21-SS-6.8	5K17006-05	Soil	5	11/16/05 11:37	11/16/05 17:03
21-SS-10.0	5K17006-06	Soil	5	11/16/05 11:40	11/16/05 17:03
01-SS-3.0	5K17006-08	Soil	5	11/16/05 13:25	11/16/05 17:03
01-SS-6.5	5K17006-09	Soil	5	11/16/05 13:45	11/16/05 17:03
TPH as Stoddard Solvent					
TB-111605-01	5K17006-01	Water	10	11/16/05 00:00	11/16/05 17:03
TPH as Stoddard Solvent (5035)					
20-SS-6.5	5K17006-02	Soil	10	11/16/05 09:35	11/16/05 17:03
20-SS-10.5	5K17006-03	Soil	10	11/16/05 10:00	11/16/05 17:03
01-SS-3.0	5K17006-08	Soil	10	11/16/05 13:25	11/16/05 17:03
01-SS-6.5	5K17006-09	Soil	10	11/16/05 13:45	11/16/05 17:03

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/16/05	11/16/05	11/16/05	11/16/05	
Date Prepared:	11/19/05	11/19/05	11/19/05	11/19/05	
Date Analyzed:	11/22/05	11/22/05	11/22/05	11/22/05	
AA ID No:	5K17006-02	5K17006-03	5K17006-05	5K17006-06	
Client ID No:	20-SS-6.5	20-SS-10.5	21-SS-6.8	21-SS-10.0	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	99.4%	80.0%	74.0%	68.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/16/05	11/16/05	
Date Prepared:	11/19/05	11/19/05	
Date Analyzed:	11/22/05	11/22/05	
AA ID No:	5K17006-08	5K17006-09	
Client ID No:	01-SS-3.0	01-SS-6.5	
Dilution Factor:	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)			
C6-C8	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	10

Surrogates			**%REC Limits**
o-Terphenyl	57.0%	75.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/16/05	11/16/05	11/16/05	11/16/05	
Date Prepared:	11/18/05	11/18/05	11/18/05	11/18/05	
Date Analyzed:	11/22/05	11/22/05	11/22/05	11/22/05	
AA ID No:	5K17006-02	5K17006-03	5K17006-04	5K17006-05	
Client ID No:	20-SS-6.5	20-SS-10.5	18-SS-2.8	21-SS-6.8	
Dilution Factor:	1	1	1	1	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<20	<20	<20	<20	20
Aroclor-1221	<20	<20	<20	<20	20
Aroclor-1232	<20	<20	<20	<20	20
Aroclor-1242	<20	<20	<20	<20	20
Aroclor-1248	<20	<20	<20	<20	20
Aroclor-1254	<20	<20	<20	<20	20
Aroclor-1260	<20	<20	<20	<20	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	105%	77.0%	77.2%	86.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/16/05	11/16/05	11/16/05	11/16/05	
Date Prepared:	11/18/05	11/18/05	11/18/05	11/18/05	
Date Analyzed:	11/22/05	11/22/05	11/22/05	11/22/05	
AA ID No:	5K17006-06	5K17006-07	5K17006-08	5K17006-09	
Client ID No:	21-SS-10.0	19-SS-2.8	01-SS-3.0	01-SS-6.5	
Dilution Factor:	1	1	1	1	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<20	<20	<20	<20	20
Aroclor-1221	<20	<20	<20	<20	20
Aroclor-1232	<20	<20	<20	<20	20
Aroclor-1242	<20	<20	<20	<20	20
Aroclor-1248	<20	<20	<20	<20	20
Aroclor-1254	<20	<20	<20	<20	20
Aroclor-1260	<20	<20	<20	<20	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	91.4%	72.2%	90.6%	99.4%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/16/05	11/16/05	11/16/05	11/16/05	
Date Prepared:	11/29/05	11/29/05	11/18/05	11/18/05	
Date Analyzed:	11/29/05	11/29/05	11/18/05	11/18/05	
AA ID No:	5K17006-02	5K17006-03	5K17006-08	5K17006-09	
Client ID No:	20-SS-6.5	20-SS-10.5	01-SS-3.0	01-SS-6.5	
Dilution Factor:	1	1	1	1	MRL
TPH as Stoddard Solvent (5035) (EPA 8260M/5035)					
Stoddard Solvent	<0.50	<0.50	<0.50	<0.50	0.50
Surrogates					**%REC Limits**
Toluene-d8	114%	106%	108%	114%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563012
Project No:	10627.000.0	**Date Received:**	11/16/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Sample Matrix:	Water	**Units:**	ug/L
Method:	Purgeable Volatile Organic Compounds by GC/MS		

Date Sampled:	11/16/05	
Date Prepared:	11/18/05	
Date Analyzed:	11/18/05	
AA ID No:	5K17006-01	
Client ID No:	TB-111605-01	
Dilution Factor:	1	MRL
TPH as Stoddard Solvent (EPA 8260M)		
Stoddard Solvent	<100	100
Surrogates		**%REC Limits**
Toluene-d8	104%	80-120

Viorel Vasile
Operations Manager

American Analytics Ÿ 9765 Eton Avenue, Chatsworth, California 91311
Tel: (818) 998-5547 Ÿ Fax: (818) 998-7258

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/16/05	11/16/05	11/16/05	11/16/05	
Date Prepared:	11/29/05	11/29/05	11/18/05	11/18/05	
Date Analyzed:	11/29/05	11/29/05	11/18/05	11/18/05	
AA ID No:	5K17006-02	5K17006-03	5K17006-08	5K17006-09	
Client ID No:	20-SS-6.5	20-SS-10.5	01-SS-3.0	01-SS-6.5	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035)					
Acetone	<50	<50	<50	<50	50
tert-Amyl Methyl Ether (TAME)	<5.0	<5.0	<5.0	<5.0	5.0
Benzene	<2.0	<2.0	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	<50	<50	50
tert-Butyl alcohol (TBA)	<20	<20	<20	<20	20
sec-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	<10	<10	10
Dibromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/16/05	11/16/05	11/16/05	11/16/05	
Date Prepared:	11/29/05	11/29/05	11/18/05	11/18/05	
Date Analyzed:	11/29/05	11/29/05	11/18/05	11/18/05	
AA ID No:	5K17006-02	5K17006-03	5K17006-08	5K17006-09	
Client ID No:	20-SS-6.5	20-SS-10.5	01-SS-3.0	01-SS-6.5	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
Diisopropyl ether (DIPE)	<5.0	<5.0	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	<2.0	<2.0	2.0
Ethyl-tert-Butyl Ether (ETBE)	<5.0	<5.0	<5.0	<5.0	5.0
Hexachlorobutadiene	<10	<10	<10	<10	10
2-Hexanone (MBK)	<50	<50	<50	<50	50
Isopropylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	<50	<50	50
Naphthalene	<10	<10	<10	<10	10
n-Propylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/16/05	11/16/05	11/16/05	11/16/05	
Date Prepared:	11/29/05	11/29/05	11/18/05	11/18/05	
Date Analyzed:	11/29/05	11/29/05	11/18/05	11/18/05	
AA ID No:	5K17006-02	5K17006-03	5K17006-08	5K17006-09	
Client ID No:	20-SS-6.5	20-SS-10.5	01-SS-3.0	01-SS-6.5	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	<5.0	<5.0	<5.0	5.0
Toluene	<2.0	<2.0	<2.0	<2.0	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Trichloroethylene (TCE)	**7.9**	**32**	<5.0	<5.0	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	<5.0	<5.0	5.0
o-Xylene	<2.0	<2.0	<2.0	<2.0	2.0
m,p-Xylenes	<2.0	<2.0	<2.0	<2.0	2.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	102%	104%	102%	90.0%	80-120
Dibromofluoromethane	82.0%	90.0%	76.0%	78.0%	80-120
Toluene-d8	114%	106%	108%	110%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05
Units: ug/L

Date Sampled:	11/16/05	
Date Prepared:	11/18/05	
Date Analyzed:	11/18/05	
AA ID No:	5K17006-01	
Client ID No:	TB-111605-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B)

Acetone	<10	10
tert-Amyl Methyl Ether (TAME)	<2.0	2.0
Benzene	<0.50	0.50
Bromobenzene	<0.50	0.50
Bromochloromethane	<0.50	0.50
Bromodichloromethane	<0.50	0.50
Bromoform	<0.50	0.50
Bromomethane	<0.50	0.50
2-Butanone (MEK)	<10	10
tert-Butyl alcohol (TBA)	<10	10
tert-Butylbenzene	<0.50	0.50
sec-Butylbenzene	<0.50	0.50
n-Butylbenzene	<0.50	0.50
Carbon Disulfide	<0.50	0.50
Carbon Tetrachloride	<0.50	0.50
Chlorobenzene	<0.50	0.50
Chloroethane	<0.50	0.50
Chloroform	<0.50	0.50
Chloromethane	<0.50	0.50
4-Chlorotoluene	<0.50	0.50
2-Chlorotoluene	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	1.0
Dibromochloromethane	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	0.50
Dibromomethane	<0.50	0.50
1,2-Dichlorobenzene	<0.50	0.50
1,4-Dichlorobenzene	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05
Units: ug/L

Date Sampled:	11/16/05	
Date Prepared:	11/18/05	
Date Analyzed:	11/18/05	
AA ID No:	5K17006-01	
Client ID No:	TB-111605-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B) (continued)

1,3-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50
1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	2.0
Ethylbenzene	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	<0.50	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	<2.0	2.0
n-Propylbenzene	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05
Units: ug/L

Date Sampled:	11/16/05	
Date Prepared:	11/18/05	
Date Analyzed:	11/18/05	
AA ID No:	5K17006-01	
Client ID No:	TB-111605-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B) (continued)

Styrene	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	0.50
Toluene	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	0.50
1,1,2-Trichloroethane	<0.50	0.50
1,1,1-Trichloroethane	<0.50	0.50
Trichloroethylene (TCE)	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	0.50
1,2,3-Trichloropropane	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	0.50
Vinyl chloride	<0.50	0.50
o-Xylene	<0.50	0.50
m,p-Xylenes	<1.0	1.0

Surrogates		**%REC Limits**
4-Bromofluorobenzene	98.0%	80-120
Dibromofluoromethane	84.0%	80-120
Toluene-d8	102%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5K2302 - EPA 3550B										
Blank (B5K2302-BLK1)				Prepared: 11/18/05		Analyzed: 11/22/05				
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*4.30*		*ug/kg*	*5.00*		*86.0*	*50-150*			
LCS (B5K2302-BS1)				Prepared: 11/18/05		Analyzed: 11/22/05				
Aroclor-1016	**40.2**	20	ug/kg	50.0		80.4	60-140			
Aroclor-1260	**49.8**	20	ug/kg	50.0		99.6	60-140			
Surrogate: Tetrachloro-meta-xylene	*4.62*		*ug/kg*	*5.00*		*92.4*	*50-150*			
Matrix Spike (B5K2302-MS1)			**Source: 5K18007-01**	Prepared: 11/18/05		Analyzed: 11/22/05				
Aroclor-1016	**40.8**	20	ug/kg	50.0	<20	81.6	50-150			
Aroclor-1260	**50.0**	20	ug/kg	50.0	<20	100	50-150			
Surrogate: Tetrachloro-meta-xylene	*5.00*		*ug/kg*	*5.00*		*100*	*50-150*			
Matrix Spike Dup (B5K2302-MSD1)			**Source: 5K18007-01**	Prepared: 11/18/05		Analyzed: 11/22/05				
Aroclor-1016	**41.5**	20	ug/kg	50.0	<20	83.0	50-150	1.70	40	
Aroclor-1260	**43.0**	20	ug/kg	50.0	<20	86.0	50-150	15.1	40	
Surrogate: Tetrachloro-meta-xylene	*3.21*		*ug/kg*	*5.00*		*64.2*	*50-150*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2103 - EPA 5035										
Blank (B5K2103-BLK1)				Prepared & Analyzed: 11/18/05						
Acetone	<50	50	ug/kg							
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							

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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2103 - EPA 5035										
Blank (B5K2103-BLK1) Continued				Prepared & Analyzed: 11/18/05						
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2103 - EPA 5035										
Blank (B5K2103-BLK1) Continued				Prepared & Analyzed: 11/18/05						
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Ethyl-tert-Butyl Ether (ETBE)	<5.0	5.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							

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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
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Project Name: Vernon

AA Project No: MB563012
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Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2103 - EPA 5035										
Blank (B5K2103-BLK1) Continued				Prepared & Analyzed: 11/18/05						
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*99.2*		*ug/kg*	*100*		*99.2*	*80-120*			
Surrogate: Dibromofluoromethane	*85.8*		*ug/kg*	*100*		*85.8*	*80-120*			
Surrogate: Toluene-d8	*102*		*ug/kg*	*100*		*102*	*80-120*			
LCS (B5K2103-BS1)				Prepared & Analyzed: 11/18/05						
Benzene	**40.2**	2.0	ug/kg	40.0		100	75-125			
Bromodichloromethane	**34.8**	5.0	ug/kg	40.0		87.0	75-125			
Bromoform	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
Carbon Tetrachloride	**23.8**	5.0	ug/kg	40.0		59.5	75-125			
Chlorobenzene	**40.4**	5.0	ug/kg	40.0		101	75-125			
Chloroethane	**38.0**	5.0	ug/kg	40.0		95.0	75-125			
Chloroform	**36.6**	5.0	ug/kg	40.0		91.5	75-125			
Chloromethane	**44.0**	5.0	ug/kg	40.0		110	75-125			
Dibromochloromethane	**39.4**	5.0	ug/kg	40.0		98.5	75-125			
1,4-Dichlorobenzene	**40.2**	5.0	ug/kg	40.0		100	75-125			
1,1-Dichloroethane	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
1,2-Dichloroethane (EDC)	**36.4**	5.0	ug/kg	40.0		91.0	75-125			
trans-1,2-Dichloroethylene	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
cis-1,2-Dichloroethylene	**38.6**	5.0	ug/kg	40.0		96.5	75-125			
1,1-Dichloroethylene	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
1,2-Dichloropropane	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
cis-1,3-Dichloropropylene	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
Ethylbenzene	**39.4**	2.0	ug/kg	40.0		98.5	75-125			
Methyl-tert-Butyl Ether (MTBE)	**42.0**	5.0	ug/kg	40.0		105	75-125			

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LABORATORY ANALYSIS RESULTS

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Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2103 - EPA 5035										
LCS (B5K2103-BS1) Continued				Prepared & Analyzed: 11/18/05						
Methylene Chloride	**39.2**	50	ug/kg	40.0		98.0	75-125			
n-Propylbenzene	**40.2**	5.0	ug/kg	40.0		100	75-125			
1,1,2,2-Tetrachloroethane	**47.6**	5.0	ug/kg	40.0		119	75-125			
Tetrachloroethylene (PCE)	**40.8**	5.0	ug/kg	40.0		102	75-125			
Toluene	**41.0**	2.0	ug/kg	40.0		102	75-125			
1,1,2-Trichloroethane	**43.6**	5.0	ug/kg	40.0		109	75-125			
1,1,1-Trichloroethane	**36.0**	5.0	ug/kg	40.0		90.0	75-125			
Trichloroethylene (TCE)	**38.0**	5.0	ug/kg	40.0		95.0	75-125			
Vinyl chloride	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
o-Xylene	**39.8**	2.0	ug/kg	40.0		99.5	75-125			
Surrogate: 4-Bromofluorobenzene	*95.6*		*ug/kg*	*100*		*95.6*	*80-120*			
Surrogate: Dibromofluoromethane	*92.8*		*ug/kg*	*100*		*92.8*	*80-120*			
Surrogate: Toluene-d8	*100*		*ug/kg*	*100*		*100*	*80-120*			
LCS Dup (B5K2103-BSD1)				Prepared & Analyzed: 11/18/05						
Benzene	**43.8**	2.0	ug/kg	40.0		110	75-125	8.57	40	
Bromodichloromethane	**40.4**	5.0	ug/kg	40.0		101	75-125	14.9	40	
Bromoform	**35.4**	5.0	ug/kg	40.0		88.5	75-125	3.88	40	
Carbon Tetrachloride	**32.0**	5.0	ug/kg	40.0		80.0	75-125	29.4	40	
Chlorobenzene	**43.6**	5.0	ug/kg	40.0		109	75-125	7.62	40	
Chloroethane	**39.8**	5.0	ug/kg	40.0		99.5	75-125	4.63	40	
Chloroform	**40.8**	5.0	ug/kg	40.0		102	75-125	10.9	40	
Chloromethane	**48.6**	5.0	ug/kg	40.0		122	75-125	9.94	40	
Dibromochloromethane	**40.4**	5.0	ug/kg	40.0		101	75-125	2.51	40	
1,4-Dichlorobenzene	**43.8**	5.0	ug/kg	40.0		110	75-125	8.57	40	
1,1-Dichloroethane	**41.4**	5.0	ug/kg	40.0		104	75-125	11.8	40	
1,2-Dichloroethane (EDC)	**36.8**	5.0	ug/kg	40.0		92.0	75-125	1.09	40	
trans-1,2-Dichloroethylene	**39.6**	5.0	ug/kg	40.0		99.0	75-125	8.97	40	
cis-1,2-Dichloroethylene	**43.2**	5.0	ug/kg	40.0		108	75-125	11.2	40	
1,1-Dichloroethylene	**41.4**	5.0	ug/kg	40.0		104	75-125	9.09	40	
1,2-Dichloropropane	**43.0**	5.0	ug/kg	40.0		108	75-125	11.8	40	
cis-1,3-Dichloropropylene	**39.0**	5.0	ug/kg	40.0		97.5	75-125	3.13	40	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2103 - EPA 5035										
LCS Dup (B5K2103-BSD1) Continued				Prepared & Analyzed: 11/18/05						
Ethylbenzene	**42.2**	2.0	ug/kg	40.0		106	75-125	6.86	40	
Methyl-tert-Butyl Ether (MTBE)	**42.8**	5.0	ug/kg	40.0		107	75-125	1.89	40	
Methylene Chloride	**45.6**	50	ug/kg	40.0		114	75-125	15.1	40	
n-Propylbenzene	**44.4**	5.0	ug/kg	40.0		111	75-125	9.93	40	
1,1,2,2-Tetrachloroethane	**47.6**	5.0	ug/kg	40.0		119	75-125	0.00	40	
Tetrachloroethylene (PCE)	**43.2**	5.0	ug/kg	40.0		108	75-125	5.71	40	
Toluene	**42.8**	2.0	ug/kg	40.0		107	75-125	4.30	40	
1,1,2-Trichloroethane	**45.8**	5.0	ug/kg	40.0		114	75-125	4.92	40	
1,1,1-Trichloroethane	**40.4**	5.0	ug/kg	40.0		101	75-125	11.5	40	
Trichloroethylene (TCE)	**45.0**	5.0	ug/kg	40.0		112	75-125	16.9	40	
Vinyl chloride	**38.8**	5.0	ug/kg	40.0		97.0	75-125	1.56	40	
o-Xylene	**43.2**	2.0	ug/kg	40.0		108	75-125	8.19	40	
Surrogate: 4-Bromofluorobenzene	*101*		*ug/kg*	*100*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*96.8*		*ug/kg*	*100*		*96.8*	*80-120*			
Surrogate: Toluene-d8	*98.4*		*ug/kg*	*100*		*98.4*	*80-120*			
Batch B5K2106 - EPA 5030B										
Blank (B5K2106-BLK1)				Prepared & Analyzed: 11/18/05						
Acetone	<10	10	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							

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LABORATORY ANALYSIS RESULTS

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2106 - EPA 5030B										
Blank (B5K2106-BLK1) Continued				Prepared & Analyzed: 11/18/05						
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							

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LABORATORY ANALYSIS RESULTS

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Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2106 - EPA 5030B										
Blank (B5K2106-BLK1) Continued				Prepared & Analyzed: 11/18/05						
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*49.6*		*ug/L*	*50.0*		*99.2*	*80-120*			
Surrogate: Dibromofluoromethane	*42.9*		*ug/L*	*50.0*		*85.8*	*80-120*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50.0*		*102*	*80-120*			
LCS (B5K2106-BS1)				Prepared & Analyzed: 11/18/05						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Purgeable Volatile Organic Compounds by GC/MS - Quality Control

Batch B5K2106 - EPA 5030B

LCS (B5K2106-BS1) Continued — Prepared & Analyzed: 11/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	**20.1**	0.50	ug/L	20.0		100	75-125			
Bromodichloromethane	**17.4**	0.50	ug/L	20.0		87.0	75-125			
Bromoform	**18.4**	0.50	ug/L	20.0		92.0	75-125			
Carbon Tetrachloride	**11.9**	0.50	ug/L	20.0		59.5	75-125			
Chlorobenzene	**20.2**	0.50	ug/L	20.0		101	75-125			
Chloroethane	**19.0**	0.50	ug/L	20.0		95.0	75-125			
Chloroform	**18.3**	0.50	ug/L	20.0		91.5	75-125			
Chloromethane	**22.0**	0.50	ug/L	20.0		110	75-125			
Dibromochloromethane	**19.7**	0.50	ug/L	20.0		98.5	75-125			
1,4-Dichlorobenzene	**20.1**	0.50	ug/L	20.0		100	75-125			
1,1-Dichloroethane	**18.4**	0.50	ug/L	20.0		92.0	75-125			
1,2-Dichloroethane (EDC)	**18.2**	0.50	ug/L	20.0		91.0	75-125			
cis-1,2-Dichloroethylene	**19.3**	0.50	ug/L	20.0		96.5	75-125			
trans-1,2-Dichloroethylene	**18.1**	0.50	ug/L	20.0		90.5	75-125			
1,1-Dichloroethylene	**18.9**	0.50	ug/L	20.0		94.5	75-125			
1,2-Dichloropropane	**19.1**	0.50	ug/L	20.0		95.5	75-125			
cis-1,3-Dichloropropylene	**18.9**	0.50	ug/L	20.0		94.5	75-125			
Ethylbenzene	**19.7**	0.50	ug/L	20.0		98.5	75-125			
Methyl-tert-Butyl Ether (MTBE)	**21.0**	2.0	ug/L	20.0		105	75-125			
Methylene Chloride	**19.6**	5.0	ug/L	20.0		98.0	75-125			
1,1,2,2-Tetrachloroethane	**23.8**	0.50	ug/L	20.0		119	75-125			
Tetrachloroethylene (PCE)	**20.4**	0.50	ug/L	20.0		102	75-125			
Toluene	**20.5**	0.50	ug/L	20.0		102	75-125			
1,1,2-Trichloroethane	**21.8**	0.50	ug/L	20.0		109	75-125			
1,1,1-Trichloroethane	**18.0**	0.50	ug/L	20.0		90.0	75-125			
Trichloroethylene (TCE)	**19.0**	0.50	ug/L	20.0		95.0	75-125			
Vinyl chloride	**19.1**	0.50	ug/L	20.0		95.5	75-125			
o-Xylene	**19.9**	0.50	ug/L	20.0		99.5	75-125			
Surrogate: 4-Bromofluorobenzene	*47.8*		*ug/L*	*50.0*		*95.6*	*80-120*			
Surrogate: Dibromofluoromethane	*46.4*		*ug/L*	*50.0*		*92.8*	*80-120*			
Surrogate: Toluene-d8	*50.0*		*ug/L*	*50.0*		*100*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2106 - EPA 5030B										
LCS Dup (B5K2106-BSD1)				Prepared & Analyzed: 11/18/05						
Benzene	**21.9**	0.50	ug/L	20.0		110	75-125	8.57	30	
Bromodichloromethane	**20.2**	0.50	ug/L	20.0		101	75-125	14.9	30	
Bromoform	**17.7**	0.50	ug/L	20.0		88.5	75-125	3.88	30	
Carbon Tetrachloride	**16.0**	0.50	ug/L	20.0		80.0	75-125	29.4	30	
Chlorobenzene	**21.8**	0.50	ug/L	20.0		109	75-125	7.62	30	
Chloroethane	**19.9**	0.50	ug/L	20.0		99.5	75-125	4.63	30	
Chloroform	**20.4**	0.50	ug/L	20.0		102	75-125	10.9	30	
Chloromethane	**24.3**	0.50	ug/L	20.0		122	75-125	9.94	30	
Dibromochloromethane	**20.2**	0.50	ug/L	20.0		101	75-125	2.51	30	
1,4-Dichlorobenzene	**21.9**	0.50	ug/L	20.0		110	75-125	8.57	30	
1,1-Dichloroethane	**20.7**	0.50	ug/L	20.0		104	75-125	11.8	30	
1,2-Dichloroethane (EDC)	**18.4**	0.50	ug/L	20.0		92.0	75-125	1.09	30	
cis-1,2-Dichloroethylene	**21.6**	0.50	ug/L	20.0		108	75-125	11.2	30	
trans-1,2-Dichloroethylene	**19.8**	0.50	ug/L	20.0		99.0	75-125	8.97	30	
1,1-Dichloroethylene	**20.7**	0.50	ug/L	20.0		104	75-125	9.09	30	
1,2-Dichloropropane	**21.5**	0.50	ug/L	20.0		108	75-125	11.8	30	
cis-1,3-Dichloropropylene	**19.5**	0.50	ug/L	20.0		97.5	75-125	3.13	30	
Ethylbenzene	**21.1**	0.50	ug/L	20.0		106	75-125	6.86	30	
Methyl-tert-Butyl Ether (MTBE)	**21.4**	2.0	ug/L	20.0		107	75-125	1.89	30	
Methylene Chloride	**22.8**	5.0	ug/L	20.0		114	75-125	15.1	30	
1,1,2,2-Tetrachloroethane	**23.8**	0.50	ug/L	20.0		119	75-125	0.00	30	
Tetrachloroethylene (PCE)	**21.6**	0.50	ug/L	20.0		108	75-125	5.71	30	
Toluene	**21.4**	0.50	ug/L	20.0		107	75-125	4.30	30	
1,1,2-Trichloroethane	**22.9**	0.50	ug/L	20.0		114	75-125	4.92	30	
1,1,1-Trichloroethane	**20.2**	0.50	ug/L	20.0		101	75-125	11.5	30	
Trichloroethylene (TCE)	**22.5**	0.50	ug/L	20.0		112	75-125	16.9	30	
Vinyl chloride	**19.4**	0.50	ug/L	20.0		97.0	75-125	1.56	30	
o-Xylene	**21.6**	0.50	ug/L	20.0		108	75-125	8.19	30	
Surrogate: 4-Bromofluorobenzene	*50.5*		*ug/L*	*50.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*48.4*		*ug/L*	*50.0*		*96.8*	*80-120*			
Surrogate: Toluene-d8	*49.2*		*ug/L*	*50.0*		*98.4*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Blank (B5K3019-BLK1)				Prepared & Analyzed: 11/29/05						
Acetone	<50	50	ug/kg							
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
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AA Project No: MB563012
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Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Blank (B5K3019-BLK1) Continued				Prepared & Analyzed: 11/29/05						
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Ethyl-tert-Butyl Ether (ETBE)	<5.0	5.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Blank (B5K3019-BLK1) Continued				Prepared & Analyzed: 11/29/05						
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*101*		*ug/kg*	*100*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*92.2*		*ug/kg*	*100*		*92.2*	*80-120*			
Surrogate: Toluene-d8	*100*		*ug/kg*	*100*		*100*	*80-120*			
LCS (B5K3019-BS1)				Prepared & Analyzed: 11/29/05						
Benzene	**38.4**	2.0	ug/kg	40.0		96.0	75-125			
Bromodichloromethane	**34.6**	5.0	ug/kg	40.0		86.5	75-125			
Bromoform	**30.8**	5.0	ug/kg	40.0		77.0	75-125			
Carbon Tetrachloride	**37.4**	5.0	ug/kg	40.0		93.5	75-125			
Chlorobenzene	**39.6**	5.0	ug/kg	40.0		99.0	75-125			
Chloroethane	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
Chloroform	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
Chloromethane	**43.0**	5.0	ug/kg	40.0		108	75-125			
Dibromochloromethane	**35.2**	5.0	ug/kg	40.0		88.0	75-125			
1,4-Dichlorobenzene	**39.2**	5.0	ug/kg	40.0		98.0	75-125			
1,1-Dichloroethane	**36.6**	5.0	ug/kg	40.0		91.5	75-125			
1,2-Dichloroethane (EDC)	**34.4**	5.0	ug/kg	40.0		86.0	75-125			
trans-1,2-Dichloroethylene	**37.8**	5.0	ug/kg	40.0		94.5	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
LCS (B5K3019-BS1) Continued				Prepared & Analyzed: 11/29/05						
cis-1,2-Dichloroethylene	**39.2**	5.0	ug/kg	40.0		98.0	75-125			
1,1-Dichloroethylene	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
1,2-Dichloropropane	**37.4**	5.0	ug/kg	40.0		93.5	75-125			
cis-1,3-Dichloropropylene	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
Ethylbenzene	**39.4**	2.0	ug/kg	40.0		98.5	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.8**	5.0	ug/kg	40.0		89.5	75-125			
Methylene Chloride	**42.8**	50	ug/kg	40.0		107	75-125			
n-Propylbenzene	**42.6**	5.0	ug/kg	40.0		106	75-125			
1,1,2,2-Tetrachloroethane	**38.6**	5.0	ug/kg	40.0		96.5	75-125			
Tetrachloroethylene (PCE)	**40.6**	5.0	ug/kg	40.0		102	75-125			
Toluene	**40.0**	2.0	ug/kg	40.0		100	75-125			
1,1,2-Trichloroethane	**37.0**	5.0	ug/kg	40.0		92.5	75-125			
1,1,1-Trichloroethane	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
Trichloroethylene (TCE)	**39.8**	5.0	ug/kg	40.0		99.5	75-125			
Vinyl chloride	**42.2**	5.0	ug/kg	40.0		106	75-125			
o-Xylene	**38.4**	2.0	ug/kg	40.0		96.0	75-125			
Surrogate: 4-Bromofluorobenzene	*100*		*ug/kg*	*100*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*92.4*		*ug/kg*	*100*		*92.4*	*80-120*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*80-120*			
Matrix Spike (B5K3019-MS1)			**Source: 5K29001-05**	Prepared & Analyzed: 11/29/05						
Benzene	**39.6**	2.0	ug/kg	40.0	<2.0	99.0	70-130			
Bromoform	**30.6**	5.0	ug/kg	40.0	<5.0	76.5	70-130			
Chlorobenzene	**44.4**	5.0	ug/kg	40.0	<5.0	111	70-130			
Chloroform	**35.4**	5.0	ug/kg	40.0	<5.0	88.5	70-130			
1,1-Dichloroethane	**35.6**	5.0	ug/kg	40.0	<5.0	89.0	70-130			
cis-1,2-Dichloroethylene	**38.4**	5.0	ug/kg	40.0	<5.0	96.0	70-130			
1,1-Dichloroethylene	**42.4**	5.0	ug/kg	40.0	<5.0	106	70-130			
1,2-Dichloropropane	**37.4**	5.0	ug/kg	40.0	<5.0	93.5	70-130			
Ethylbenzene	**44.6**	2.0	ug/kg	40.0	<2.0	112	70-130			
Methyl-tert-Butyl Ether (MTBE)	**34.8**	5.0	ug/kg	40.0	<5.0	87.0	70-130			
n-Propylbenzene	**47.2**	5.0	ug/kg	40.0	<5.0	118	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Matrix Spike (B5K3019-MS1) Continued Source: 5K29001-05 Prepared & Analyzed: 11/29/05										
Tetrachloroethylene (PCE)	**46.0**	5.0	ug/kg	40.0	<5.0	115	70-130			
Toluene	**44.8**	2.0	ug/kg	40.0	<2.0	112	70-130			
1,1,1-Trichloroethane	**38.8**	5.0	ug/kg	40.0	<5.0	97.0	70-130			
Trichloroethylene (TCE)	**41.8**	5.0	ug/kg	40.0	<5.0	104	70-130			
1,3,5-Trimethylbenzene	**45.0**	5.0	ug/kg	40.0	<5.0	112	70-130			
Vinyl chloride	**43.4**	5.0	ug/kg	40.0	<5.0	108	70-130			
Surrogate: 4-Bromofluorobenzene	*108*		*ug/kg*	*100*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*91.0*		*ug/kg*	*100*		*91.0*	*80-120*			
Surrogate: Toluene-d8	*112*		*ug/kg*	*100*		*112*	*80-120*			
Matrix Spike Dup (B5K3019-MSD1) Source: 5K29001-05 Prepared & Analyzed: 11/29/05										
Benzene	**37.8**	2.0	ug/kg	40.0	<2.0	94.5	70-130	4.65	40	
Bromoform	**32.8**	5.0	ug/kg	40.0	<5.0	82.0	70-130	6.94	40	
Chlorobenzene	**40.6**	5.0	ug/kg	40.0	<5.0	102	70-130	8.94	40	
Chloroform	**35.6**	5.0	ug/kg	40.0	<5.0	89.0	70-130	0.563	40	
1,1-Dichloroethane	**35.2**	5.0	ug/kg	40.0	<5.0	88.0	70-130	1.13	40	
cis-1,2-Dichloroethylene	**39.0**	5.0	ug/kg	40.0	<5.0	97.5	70-130	1.55	40	
1,1-Dichloroethylene	**36.2**	5.0	ug/kg	40.0	<5.0	90.5	70-130	15.8	40	
1,2-Dichloropropane	**37.0**	5.0	ug/kg	40.0	<5.0	92.5	70-130	1.08	40	
Ethylbenzene	**40.0**	2.0	ug/kg	40.0	<2.0	100	70-130	10.9	40	
Methyl-tert-Butyl Ether (MTBE)	**33.8**	5.0	ug/kg	40.0	<5.0	84.5	70-130	2.92	40	
n-Propylbenzene	**41.4**	5.0	ug/kg	40.0	<5.0	104	70-130	13.1	40	
Tetrachloroethylene (PCE)	**40.8**	5.0	ug/kg	40.0	<5.0	102	70-130	12.0	40	
Toluene	**40.6**	2.0	ug/kg	40.0	<2.0	102	70-130	9.84	40	
1,1,1-Trichloroethane	**36.6**	5.0	ug/kg	40.0	<5.0	91.5	70-130	5.84	40	
Trichloroethylene (TCE)	**39.2**	5.0	ug/kg	40.0	<5.0	98.0	70-130	6.42	40	
1,3,5-Trimethylbenzene	**39.4**	5.0	ug/kg	40.0	<5.0	98.5	70-130	13.3	40	
Vinyl chloride	**42.0**	5.0	ug/kg	40.0	<5.0	105	70-130	3.28	40	
Surrogate: 4-Bromofluorobenzene	*107*		*ug/kg*	*100*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*96.6*		*ug/kg*	*100*		*96.6*	*80-120*			
Surrogate: Toluene-d8	*106*		*ug/kg*	*100*		*106*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2107 - EPA 5035										
Blank (B5K2107-BLK1)				Prepared & Analyzed: 11/18/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.104*		*mg/kg*	*0.100*		*104*	*80-120*			
LCS (B5K2107-BS1)				Prepared & Analyzed: 11/18/05						
Stoddard Solvent	**1.12**	0.50	mg/kg	1.00		112	75-125			
Surrogate: Toluene-d8	*0.0838*		*mg/kg*	*0.100*		*83.8*	*80-120*			
LCS Dup (B5K2107-BSD1)				Prepared & Analyzed: 11/18/05						
Stoddard Solvent	**1.14**	0.50	mg/kg	1.00		114	75-125	1.77	30	
Surrogate: Toluene-d8	*0.0860*		*mg/kg*	*0.100*		*86.0*	*80-120*			
Batch B5K2109 - EPA 5030B										
Blank (B5K2109-BLK1)				Prepared & Analyzed: 11/18/05						
Stoddard Solvent	<100	100	ug/L							
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50.0*		*102*	*80-120*			
LCS (B5K2109-BS1)				Prepared & Analyzed: 11/18/05						
Stoddard Solvent	**560**	100	ug/L	500		112	75-125			
Surrogate: Toluene-d8	*41.9*		*ug/L*	*50.0*		*83.8*	*80-120*			
LCS Dup (B5K2109-BSD1)				Prepared & Analyzed: 11/18/05						
Stoddard Solvent	**570**	100	ug/L	500		114	75-125	1.77	30	
Surrogate: Toluene-d8	*43.0*		*ug/L*	*50.0*		*86.0*	*80-120*			
Batch B5K3027 - EPA 5035										
Blank (B5K3027-BLK1)				Prepared & Analyzed: 11/29/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.0992*		*mg/kg*	*0.100*		*99.2*	*80-120*			
LCS (B5K3027-BS1)				Prepared & Analyzed: 11/29/05						
Stoddard Solvent	**1.04**	0.50	mg/kg	1.00		104	75-125			
Surrogate: Toluene-d8	*0.0982*		*mg/kg*	*0.100*		*98.2*	*80-120*			
LCS Dup (B5K3027-BSD1)				Prepared & Analyzed: 11/29/05						
Stoddard Solvent	**1.10**	0.50	mg/kg	1.00		110	75-125	5.61	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3027 - EPA 5035										
LCS Dup (B5K3027-BSD1) Continued				Prepared & Analyzed: 11/29/05						
Surrogate: Toluene-d8	*0.0964*		*mg/kg*	*0.100*		*96.4*	*80-120*			
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K2201 - EPA 3550B										
Blank (B5K2201-BLK1)				Prepared & Analyzed: 11/21/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*6.40*		*mg/kg*	*10.0*		*64.0*	*50-150*			
Blank (B5K2201-BLK2)				Prepared: 11/19/05 Analyzed: 11/22/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K2201 - EPA 3550B										
Blank (B5K2201-BLK2) Continued				Prepared: 11/19/05 Analyzed: 11/22/05						
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*6.80*		*mg/kg*	*10.0*		*68.0*	*50-150*			
LCS (B5K2201-BS1)				Prepared & Analyzed: 11/21/05						
Diesel Range Organics as Diesel	**178**		mg/kg	200		89.0	75-125			
Surrogate: o-Terphenyl	*11.8*		*mg/kg*	*10.0*		*118*	*50-150*			
LCS (B5K2201-BS2)				Prepared: 11/19/05 Analyzed: 11/22/05						
Diesel Range Organics as Diesel	**167**		mg/kg	200		83.5	75-125			
Surrogate: o-Terphenyl	*8.80*		*mg/kg*	*10.0*		*88.0*	*50-150*			
LCS Dup (B5K2201-BSD1)				Prepared & Analyzed: 11/21/05						
Diesel Range Organics as Diesel	**153**		mg/kg	200		76.5	75-125	15.1	40	
Surrogate: o-Terphenyl	*11.8*		*mg/kg*	*10.0*		*118*	*50-150*			
LCS Dup (B5K2201-BSD2)				Prepared: 11/19/05 Analyzed: 11/22/05						
Diesel Range Organics as Diesel	**172**		mg/kg	200		86.0	75-125	2.95	40	
Surrogate: o-Terphenyl	*14.9*		*mg/kg*	*10.0*		*149*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563012
Date Received: 11/16/05
Date Reported: 12/18/05

Special Notes

Viorel Vasile
Operations Manager

MB563012 / SK17006

Chain-of-Custody Record

12772

Date: 11-16-05 | Page 1 of 2

Project No.: 10024.000.0

Samplers (Signatures):

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	Mercury (Hg) (8015)	VOCs (8260)	VOCs (8260)	Metals (Title 22)					Acidified	No. of containers
11/16/05	—	Temp-111605-01	W																	5°	1
	—	TB-111605-01	W											X				5K17006-01		X	2
	0935	20-S-6.5	S					⊗				X	X						-02		4
	1000	20-S-10.5	S					⊗				X	X						-03		4
	1045	18-S-2.8	S					H					X						-04		4
	1137	21-S-6.8	S					H				X	X						-05		4
	1140	21-S-10.0	S					H				X	X						-06		4
	1225	19-S-2.8	S										X						-07		1
	1325	01-S-3.0	S					X				X	X						-08		4
	1345	01-S-6.5	S					X				X	X						-09		4

ANALYSES

REMARKS

Additional Comments

Notes to Lab: @ 11/16/05

** metals also include Hg.

"H" = HOLD (for selected VOC soil analyses)

Important:

For soil analyses from acetate sleeves, use soil from the "black" cap end of sleeve.

Turnaround Time: TPH (5 day TAT); Standard TAT for others

Results To: Linda Conlan / Paula Dalong

Total No. of containers: 32

Relinquished by (signature):	Date: 11/16/05	Relinquished by (signature):	Date: 11/16/05	Relinquished by (signature):	Date:	Method of shipment: Lab courier (driller)
Printed Name: Ted Nanny	Time: 1530	Printed Name: KEITH ZOLEZZI	Time: 1700	Printed Name:	Time:	Laboratory comments and Log No.: ⊗: added on 11/22/05, per Linda Conlan, Geomatrix
Company: Geomatrix Consultants		Company: AMERICAN ANALYTICS		Company:		approved as work order 11/17/05 1100 V. Vonke
Received (signature):	Date: 11/16/05	Received (signature):	Date: 11/16/05	Received (signature):	Date:	
Printed Name: KEITH ZOLEZZI	Time: 1530	Printed Name: Ludmila Glazer	Time: 17:03	Printed Name:	Time:	
Company: AMERICAN ANALYTICS		Company: A. A.		Company:		

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

NOV 16 '05 17:03 515

1PHB 563012 / SK-17006

Chain-of-Custody Record

12773

Date: 11-16-05

Page 1 of 1

Project No.: 10127.000.0

Samplers (signatures): [illegible]

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	VOCs (8260)	PCBs (8082)	Metals (Lithium, Iron, Manganese) **	TPH (Gasoline, Diesel, Oil)					Acidified	No. of containers
11-16-05	1500	EB-111605-01	W		(HOLD ALL)					→		H	H	H	H	5K17006-10					10*
↓	—	TEMP-111605-02																	-	5°	1
↓	—	TB-111605-03									(HOLD)	→	H						-11		2

REMARKS

Additional Comments

Notes to Lab:

H = HOLD (DO NOT ANALYZE)

* 2 1-Liter ambers
1 1-Liter plastic with HNO_3 preservative
3 40-ml VOA's with HCl preservative

** Metals also include Mercury.

Turnaround Time: Standard TAT

Results To: Linda Conlan / Kevin Zhang

Total No. of containers: 9

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Method of shipment:
[illegible]	11/16/05	K.W. Zuzzo	11-16-05			Lab Courier (driller)
Printed Name: [illegible]	Time:	Printed Name: KEITH ZUZZI	Time: 1700	Printed Name:	Time:	Laboratory comments and Log No.:
Company: Geomatrix Consultants, Inc.	1530	Company: AMERICAN ANALYTICS		Company:		05 NOV 16 17:03 57
Received (signature): K.W. Zuzzo	Date: 11/16/05	Received (signature): [illegible]	Date: 11/16/05	Received (signature):	Date:	approved as work order 11/17/05 1100 V. Vonk
Printed Name: KEITH ZUZZI	Time:	Printed Name: Michael Clarke	Time: 17:03	Printed Name:	Time:	
Company: AMERICAN ANALYTICS	1530	Company: AA		Company:		

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

December 18, 2005

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563013 / 5K18007

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/17/05 17:05 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563013
Date Received: 11/17/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8082 PCBs					
24-SS-2.7	5K18007-01	Soil	10	11/17/05 09:20	11/17/05 17:05
23-SS-5.0	5K18007-02	Soil	10	11/17/05 10:20	11/17/05 17:05
23-SS-9.0	5K18007-03	Soil	10	11/17/05 10:30	11/17/05 17:05
27-SS-4.8	5K18007-04	Soil	10	11/17/05 11:30	11/17/05 17:05
27-SS-9.0	5K18007-05	Soil	10	11/17/05 11:45	11/17/05 17:05
28-SS-5.0	5K18007-06	Soil	10	11/17/05 12:45	11/17/05 17:05
28-SS-8.8	5K18007-07	Soil	10	11/17/05 12:55	11/17/05 17:05
25-SS-4.8	5K18007-08	Soil	10	11/17/05 13:25	11/17/05 17:05
25-SS-8.7	5K18007-09	Soil	10	11/17/05 13:40	11/17/05 17:05
75-SS-4.8	5K18007-10	Soil	10	11/17/05 14:10	11/17/05 17:05
75-SS-8.9	5K18007-11	Soil	10	11/17/05 14:25	11/17/05 17:05
Carbon Chain Characterization 8015M					
24-SS-2.7	5K18007-01	Soil	5	11/17/05 09:20	11/17/05 17:05
23-SS-5.0	5K18007-02	Soil	5	11/17/05 10:20	11/17/05 17:05
23-SS-9.0	5K18007-03	Soil	5	11/17/05 10:30	11/17/05 17:05
27-SS-4.8	5K18007-04	Soil	5	11/17/05 11:30	11/17/05 17:05

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563013
Date Received: 11/17/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
27-SS-9.0	5K18007-05	Soil	5	11/17/05 11:45	11/17/05 17:05
28-SS-5.0	5K18007-06	Soil	5	11/17/05 12:45	11/17/05 17:05
28-SS-8.8	5K18007-07	Soil	5	11/17/05 12:55	11/17/05 17:05
25-SS-4.8	5K18007-08	Soil	5	11/17/05 13:25	11/17/05 17:05
25-SS-8.7	5K18007-09	Soil	5	11/17/05 13:40	11/17/05 17:05
75-SS-4.8	5K18007-10	Soil	5	11/17/05 14:10	11/17/05 17:05
75-SS-8.9	5K18007-11	Soil	5	11/17/05 14:25	11/17/05 17:05

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563013
Date Received: 11/17/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/17/05	11/17/05	11/17/05	11/17/05	
Date Prepared:	11/19/05	11/19/05	11/19/05	11/19/05	
Date Analyzed:	11/22/05	11/22/05	11/22/05	11/22/05	
AA ID No:	5K18007-01	5K18007-02	5K18007-03	5K18007-04	
Client ID No:	24-SS-2.7	23-SS-5.0	23-SS-9.0	27-SS-4.8	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	75.0%	59.0%	74.0%	61.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563013
Date Received: 11/17/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/17/05	11/17/05	11/17/05	11/17/05	
Date Prepared:	11/19/05	11/19/05	11/19/05	11/19/05	
Date Analyzed:	11/22/05	11/22/05	11/22/05	11/22/05	
AA ID No:	5K18007-05	5K18007-06	5K18007-07	5K18007-08	
Client ID No:	27-SS-9.0	28-SS-5.0	28-SS-8.8	25-SS-4.8	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	62.0%	85.0%	55.0%	84.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563013
Date Received: 11/17/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/17/05	11/17/05	11/17/05	
Date Prepared:	11/19/05	11/19/05	11/19/05	
Date Analyzed:	11/22/05	11/22/05	11/22/05	
AA ID No:	5K18007-09	5K18007-10	5K18007-11	
Client ID No:	25-SS-8.7	75-SS-4.8	75-SS-8.9	
Dilution Factor:	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)				
C6-C8	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	10
Surrogates				**%REC Limits**
o-Terphenyl	63.0%	71.0%	74.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563013
Date Received: 11/17/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/17/05	11/17/05	11/17/05	11/17/05	
Date Prepared:	11/18/05	11/18/05	11/18/05	11/18/05	
Date Analyzed:	11/22/05	11/22/05	11/22/05	11/22/05	
AA ID No:	5K18007-01	5K18007-02	5K18007-03	5K18007-04	
Client ID No:	24-SS-2.7	23-SS-5.0	23-SS-9.0	27-SS-4.8	
Dilution Factor:	1	1	1	1	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<20	<20	<20	<20	20
Aroclor-1221	<20	<20	<20	<20	20
Aroclor-1232	<20	<20	<20	<20	20
Aroclor-1242	<20	<20	<20	<20	20
Aroclor-1248	<20	<20	<20	<20	20
Aroclor-1254	<20	<20	<20	<20	20
Aroclor-1260	<20	<20	<20	<20	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	87.4%	99.6%	86.6%	77.8%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563013
Date Received: 11/17/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/17/05	11/17/05	11/17/05	11/17/05	
Date Prepared:	11/18/05	11/18/05	11/18/05	11/18/05	
Date Analyzed:	11/22/05	11/22/05	11/22/05	11/22/05	
AA ID No:	5K18007-05	5K18007-06	5K18007-07	5K18007-08	
Client ID No:	27-SS-9.0	28-SS-5.0	28-SS-8.8	25-SS-4.8	
Dilution Factor:	1	1	1	1	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<20	<20	<20	<20	20
Aroclor-1221	<20	<20	<20	<20	20
Aroclor-1232	<20	<20	<20	<20	20
Aroclor-1242	<20	<20	<20	<20	20
Aroclor-1248	<20	<20	<20	<20	20
Aroclor-1254	<20	<20	<20	<20	20
Aroclor-1260	<20	<20	<20	<20	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	95.8%	74.4%	90.6%	79.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563013
Date Received: 11/17/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/17/05	11/17/05	11/17/05	
Date Prepared:	11/18/05	11/18/05	11/18/05	
Date Analyzed:	11/22/05	11/22/05	11/22/05	
AA ID No:	5K18007-09	5K18007-10	5K18007-11	
Client ID No:	25-SS-8.7	75-SS-4.8	75-SS-8.9	
Dilution Factor:	1	1	1	MRL
8082 PCBs (EPA 8082)				
Aroclor-1016	<20	<20	<20	20
Aroclor-1221	<20	<20	<20	20
Aroclor-1232	<20	<20	<20	20
Aroclor-1242	<20	<20	<20	20
Aroclor-1248	<20	<20	<20	20
Aroclor-1254	<20	<20	<20	20
Aroclor-1260	<20	<20	<20	20
Surrogates				**%REC Limits**
Tetrachloro-meta-xylene	84.4%	85.8%	66.2%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563013
Date Received: 11/17/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5K2302 - EPA 3550B										
Blank (B5K2302-BLK1)				Prepared: 11/18/05		Analyzed: 11/22/05				
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*4.30*		*ug/kg*	*5.00*		*86.0*	*50-150*			
LCS (B5K2302-BS1)				Prepared: 11/18/05		Analyzed: 11/22/05				
Aroclor-1016	**40.2**	20	ug/kg	50.0		80.4	60-140			
Aroclor-1260	**49.8**	20	ug/kg	50.0		99.6	60-140			
Surrogate: Tetrachloro-meta-xylene	*4.62*		*ug/kg*	*5.00*		*92.4*	*50-150*			
Matrix Spike (B5K2302-MS1)			**Source: 5K18007-01**	Prepared: 11/18/05		Analyzed: 11/22/05				
Aroclor-1016	**40.8**	20	ug/kg	50.0	<20	81.6	50-150			
Aroclor-1260	**50.0**	20	ug/kg	50.0	<20	100	50-150			
Surrogate: Tetrachloro-meta-xylene	*5.00*		*ug/kg*	*5.00*		*100*	*50-150*			
Matrix Spike Dup (B5K2302-MSD1)			**Source: 5K18007-01**	Prepared: 11/18/05		Analyzed: 11/22/05				
Aroclor-1016	**41.5**	20	ug/kg	50.0	<20	83.0	50-150	1.70	40	
Aroclor-1260	**43.0**	20	ug/kg	50.0	<20	86.0	50-150	15.1	40	
Surrogate: Tetrachloro-meta-xylene	*3.21*		*ug/kg*	*5.00*		*64.2*	*50-150*			
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K2201 - EPA 3550B										
Blank (B5K2201-BLK1)				Prepared & Analyzed: 11/21/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563013
Date Received: 11/17/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K2201 - EPA 3550B										
Blank (B5K2201-BLK1) Continued				Prepared & Analyzed: 11/21/05						
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*6.40*		*mg/kg*	*10.0*		*64.0*	*50-150*			
Blank (B5K2201-BLK2)				Prepared: 11/19/05 Analyzed: 11/22/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563013
Date Received: 11/17/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K2201 - EPA 3550B										
Blank (B5K2201-BLK2) Continued				Prepared: 11/19/05 Analyzed: 11/22/05						
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*6.80*		*mg/kg*	*10.0*		*68.0*	*50-150*			
LCS (B5K2201-BS1)				Prepared & Analyzed: 11/21/05						
Diesel Range Organics as Diesel	**178**		mg/kg	200		89.0	75-125			
Surrogate: o-Terphenyl	*11.8*		*mg/kg*	*10.0*		*118*	*50-150*			
LCS (B5K2201-BS2)				Prepared: 11/19/05 Analyzed: 11/22/05						
Diesel Range Organics as Diesel	**167**		mg/kg	200		83.5	75-125			
Surrogate: o-Terphenyl	*8.80*		*mg/kg*	*10.0*		*88.0*	*50-150*			
LCS Dup (B5K2201-BSD1)				Prepared & Analyzed: 11/21/05						
Diesel Range Organics as Diesel	**153**		mg/kg	200		76.5	75-125	15.1	40	
Surrogate: o-Terphenyl	*11.8*		*mg/kg*	*10.0*		*118*	*50-150*			
LCS Dup (B5K2201-BSD2)				Prepared: 11/19/05 Analyzed: 11/22/05						
Diesel Range Organics as Diesel	**172**		mg/kg	200		86.0	75-125	2.95	40	
Surrogate: o-Terphenyl	*14.9*		*mg/kg*	*10.0*		*149*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563013
Date Received: 11/17/05
Date Reported: 12/18/05

Special Notes

Viorel Vasile
Operations Manager

American Analytics Ÿ 9765 Eton Avenue, Chatsworth, California 91311
Tel: (818) 998-5547 Ÿ Fax: (818) 998-7258

MB563013 / SK 18007

Chain-of-Custody Record

12771

Date: 11/17/05

Project No.: 10627.000.0

Samplers (Signatures): Tamar Yuma, Trent Daing

ANALYSES

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCB's (8082)	TPH Carbon Chain (8015B modified)							Acidified	No. of containers
11/17/05	0920	24-SS-2.7	S									X	X	SK18007				-	01	-	1
	1020	23-SS-5.0	S									X	X					-	02	-	1
	1030	23-SS-9.0	S									X	X					-	03	-	1
	1130	27-SS-4.8	S									X	X					-	04	-	1
	1145	27-SS-9.0	S									X	X					-	05	-	1
	1245	28-SS-5.0	S									X	X					-	06	-	1
	1255	28-SS-8.8	S									X	X					-	07	-	1
	1325	25-SS-4.8	S									X	X					-	08	-	1
	1340	25-SS-8.7	S									X	X					-	09	-	1
	1410	75-SS-4.8	S									X	X					-	10	-	1
	1425	75-SS-8.9	S									X	X					-	11	-	1
	—	Temp-111705-01	W	5°																-	1
	—	TB-111705-01	W								X							-	12	2	2

REMARKS

Additional Comments

Notes to lab:

For soil samples from acetate sleeve, use soil from the "black" cap end of sleeve.

Turnaround Time: TPH (5-day TAT); Standard TAT for others

Results To: Linda Conlon / Paula Delong

Total No. of containers: 14

Relinquished by (signature)	Date	Relinquished by (signature)	Date	Relinquished by (signature)	Date	Method of shipment
Trent Daing	11/17/05	Keith Zolezzi	11/17/05			Lab Courier (Driver)
Printed Name: Trent Daing	Time: 1515	Printed Name: Keith Zolezzi	Time: 1705	Printed Name:	Time:	Laboratory comments and Log No.: approved as work order W/labs 1100 V. Vorte
Company: Geomatrix		Company: American Analytics		Company:		
Received (signature)	**Date**	**Received (signature)**	**Date**	**Received (signature)**	**Date**	
Keith Zolezzi	11/17/05	L. Gl	11.17.5			
Printed Name: Keith Zolezzi	Time: 1515	Printed Name: Ludmila Glazenber	Time: 17:05	Printed Name:	Time:	
Company: American Analytics		Company: AA		Company:		

05 NOV 17 17:05 08

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MB563013/ SK18007

Chain-of-Custody Record

12770

Date: 11/17/05

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCB's (8082)	TPH Carbon Chain (8015 B modified)							Acidified	No. of containers
11/17/05	–	Temp-111705-02	W	–	6°										5K18007					–	1
↓	–	TB-111705-02	W								X							–	13	2	2
↓	1500	EB-111705-01	W				HOLD →					H	H					–	14	–	2

REMARKS

Additional Comments

Notes to lab

H: Hold (Do not analyze)

Turnaround Time: Standard

Results To: Linda Conlan / Paula Delong

Total No. of containers: 5

Relinquished by (signature)	Date	Relinquished by (signature)	Date	Relinquished by (signature)	Date	Method of shipment
Thet Naing	11/17/05	Keith W. Zuzzo	11/17/05			Lab-Courier (Driver)
Printed Name: Thet Naing	Time:	Printed Name: Keith Zuzzi	Time: 1705	Printed Name:	Time:	Laboratory comments and Log No.:
Company: Geomatrix	1515	Company: American Analytics		Company:		
Received (signature)	**Date**	**Received (signature)**	**Date**	**Received (signature)**	**Date**	
Keith W. Zuzzo	11/17/05		11.17.05			approved as work order 11/18/05 1100 v. Nguyen
Printed Name: Keith Zuzzi	Time: 1515	Printed Name: Ludmila Glazenberg	Time: 17:05	Printed Name:	Time:	
Company: American Analytics		Company: AA		Company:		

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

05 NOV 17 17:05 03

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

January 12, 2006

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563014 / 5K18010

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/18/05 16:22 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8082 PCBs					
34-SS-3.1	5K18010-02	Soil	10	11/18/05 08:05	11/18/05 16:22
34-SS-6.9	5K18010-03	Soil	10	11/18/05 08:25	11/18/05 16:22
35-SS-2.7	5K18010-05	Soil	10	11/18/05 10:00	11/18/05 16:22
35-SS-7.1	5K18010-06	Soil	10	11/18/05 10:25	11/18/05 16:22
36-SS-2.3	5K18010-07	Soil	10	11/18/05 10:45	11/18/05 16:22
33-SS-2.8	5K18010-08	Soil	10	11/18/05 11:30	11/18/05 16:22
33-SS-6.8	5K18010-09	Soil	10	11/18/05 11:40	11/18/05 16:22
31-SS-1.8	5K18010-10	Soil	10	11/18/05 12:15	11/18/05 16:22
31-SS-6.4	5K18010-11	Soil	10	11/18/05 13:05	11/18/05 16:22
32-SS-2.0	5K18010-12	Soil	10	11/18/05 13:35	11/18/05 16:22
32-SS-6.5	5K18010-13	Soil	10	11/18/05 13:50	11/18/05 16:22
8260B Full List					
TB-111805-01	5K18010-01	Water	10	11/18/05 07:00	11/18/05 16:22
8260B/5035 Soil Full List					
34-SS-3.1	5K18010-02	Soil	10	11/18/05 08:05	11/18/05 16:22
34-SS-6.9	5K18010-03	Soil	10	11/18/05 08:25	11/18/05 16:22

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
34-SS-11.1	5K18010-04	Soil	10	11/18/05 09:20	11/18/05 16:22
35-SS-2.7	5K18010-05	Soil	10	11/18/05 10:00	11/18/05 16:22
35-SS-7.1	5K18010-06	Soil	10	11/18/05 10:25	11/18/05 16:22
36-SS-2.3	5K18010-07	Soil	10	11/18/05 10:45	11/18/05 16:22
Carbon Chain Characterization 8015M					
34-SS-3.1	5K18010-02	Soil	10	11/18/05 08:05	11/18/05 16:22
34-SS-6.9	5K18010-03	Soil	10	11/18/05 08:25	11/18/05 16:22
34-SS-11.1	5K18010-04	Soil	10	11/18/05 09:20	11/18/05 16:22
35-SS-2.7	5K18010-05	Soil	10	11/18/05 10:00	11/18/05 16:22
35-SS-7.1	5K18010-06	Soil	10	11/18/05 10:25	11/18/05 16:22
36-SS-2.3	5K18010-07	Soil	10	11/18/05 10:45	11/18/05 16:22
33-SS-2.8	5K18010-08	Soil	10	11/18/05 11:30	11/18/05 16:22
33-SS-6.8	5K18010-09	Soil	10	11/18/05 11:40	11/18/05 16:22
31-SS-1.8	5K18010-10	Soil	10	11/18/05 12:15	11/18/05 16:22
31-SS-6.4	5K18010-11	Soil	10	11/18/05 13:05	11/18/05 16:22
32-SS-2.0	5K18010-12	Soil	10	11/18/05 13:35	11/18/05 16:22
32-SS-6.5	5K18010-13	Soil	10	11/18/05 13:50	11/18/05 16:22

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
TPH as Stoddard Solvent					
TB-111805-01	5K18010-01	Water	10	11/18/05 07:00	11/18/05 16:22
TPH as Stoddard Solvent (5035)					
34-SS-3.1	5K18010-02	Soil	10	11/18/05 08:05	11/18/05 16:22
34-SS-6.9	5K18010-03	Soil	10	11/18/05 08:25	11/18/05 16:22
34-SS-11.1	5K18010-04	Soil	10	11/18/05 09:20	11/18/05 16:22
35-SS-2.7	5K18010-05	Soil	10	11/18/05 10:00	11/18/05 16:22
35-SS-7.1	5K18010-06	Soil	10	11/18/05 10:25	11/18/05 16:22
36-SS-2.3	5K18010-07	Soil	10	11/18/05 10:45	11/18/05 16:22

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	11/18/05	11/18/05	11/18/05	11/18/05	
Date Prepared:	11/22/05	11/22/05	11/29/05	11/22/05	
Date Analyzed:	11/23/05	11/23/05	11/29/05	11/23/05	
AA ID No:	5K18010-02	5K18010-03	5K18010-04	5K18010-05	
Client ID No:	34-SS-3.1	34-SS-6.9	34-SS-11.1	35-SS-2.7	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	**100**	<1.0	1.0
C10-C12	**9.8**	<1.0	**320**	<1.0	1.0
C12-C14	**15**	<1.0	**230**	<1.0	1.0
C14-C16	**13**	<1.0	**130**	<1.0	1.0
C16-C18	**9.5**	<1.0	**5.3**	<1.0	1.0
C18-C20	**13**	<1.0	<1.0	<1.0	1.0
C20-C22	**27**	<1.0	<1.0	<1.0	1.0
C22-C24	**26**	<1.0	<1.0	<1.0	1.0
C24-C26	**65**	<1.0	<1.0	<1.0	1.0
C26-C28	**26**	<1.0	<1.0	<1.0	1.0
C28-C32	**53**	<1.0	<1.0	<1.0	1.0
C32-C34	**9.9**	<1.0	<1.0	<1.0	1.0
C34-C36	**5.3**	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	**270**	<10	**790**	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	83.0%	87.0%	123%	67.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	11/18/05	11/18/05	11/18/05	11/18/05	
Date Prepared:	11/22/05	11/22/05	11/22/05	11/22/05	
Date Analyzed:	11/23/05	11/23/05	11/23/05	11/23/05	
AA ID No:	5K18010-06	5K18010-07	5K18010-08	5K18010-09	
Client ID No:	35-SS-7.1	36-SS-2.3	33-SS-2.8	33-SS-6.8	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	**4.9**	<1.0	<1.0	1.0
C16-C18	<1.0	**14**	<1.0	<1.0	1.0
C18-C20	<1.0	**33**	<1.0	<1.0	1.0
C20-C22	<1.0	**32**	<1.0	<1.0	1.0
C22-C24	<1.0	**26**	<1.0	<1.0	1.0
C24-C26	<1.0	**16**	<1.0	<1.0	1.0
C26-C28	<1.0	**12**	<1.0	<1.0	1.0
C28-C32	<1.0	**25**	<1.0	<1.0	1.0
C32-C34	<1.0	**2.5**	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	**170**	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	80.0%	89.0%	80.0%	76.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	11/18/05	11/18/05	11/18/05	11/18/05	
Date Prepared:	11/22/05	11/22/05	11/22/05	11/22/05	
Date Analyzed:	11/23/05	11/23/05	11/23/05	11/23/05	
AA ID No:	5K18010-10	5K18010-11	5K18010-12	5K18010-13	
Client ID No:	31-SS-1.8	31-SS-6.4	32-SS-2.0	32-SS-6.5	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	65.0%	63.0%	97.0%	65.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/18/05	11/18/05	11/18/05	11/18/05	
Date Prepared:	11/23/05	11/23/05	11/23/05	11/23/05	
Date Analyzed:	11/29/05	11/29/05	11/29/05	11/29/05	
AA ID No:	5K18010-02	5K18010-03	5K18010-05	5K18010-06	
Client ID No:	34-SS-3.1	34-SS-6.9	35-SS-2.7	35-SS-7.1	
Dilution Factor:	1	1	1	1	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<20	<20	<20	<20	20
Aroclor-1221	<20	<20	<20	<20	20
Aroclor-1232	<20	<20	<20	<20	20
Aroclor-1242	<20	<20	<20	<20	20
Aroclor-1248	<20	<20	<20	<20	20
Aroclor-1254	<20	<20	<20	<20	20
Aroclor-1260	<20	<20	<20	<20	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	64.4%	65.4%	65.8%	64.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/18/05	11/18/05	11/18/05	11/18/05	
Date Prepared:	11/23/05	11/23/05	11/23/05	11/23/05	
Date Analyzed:	11/29/05	11/29/05	11/29/05	11/29/05	
AA ID No:	5K18010-07	5K18010-08	5K18010-09	5K18010-10	
Client ID No:	36-SS-2.3	33-SS-2.8	33-SS-6.8	31-SS-1.8	
Dilution Factor:	1	1	1	1	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<20	<20	<20	<20	20
Aroclor-1221	<20	<20	<20	<20	20
Aroclor-1232	<20	<20	<20	<20	20
Aroclor-1242	<20	<20	<20	<20	20
Aroclor-1248	<20	<20	<20	<20	20
Aroclor-1254	<20	<20	<20	<20	20
Aroclor-1260	<20	<20	<20	<20	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	69.4%	73.6%	63.2%	67.4%	50-150

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/18/05	11/18/05	11/18/05	
Date Prepared:	11/23/05	11/23/05	11/23/05	
Date Analyzed:	11/29/05	11/29/05	11/29/05	
AA ID No:	5K18010-11	5K18010-12	5K18010-13	
Client ID No:	31-SS-6.4	32-SS-2.0	32-SS-6.5	
Dilution Factor:	1	1	1	MRL
8082 PCBs (EPA 8082)				
Aroclor-1016	<20	<20	<20	20
Aroclor-1221	<20	<20	<20	20
Aroclor-1232	<20	<20	<20	20
Aroclor-1242	<20	<20	<20	20
Aroclor-1248	<20	<20	<20	20
Aroclor-1254	<20	<20	<20	20
Aroclor-1260	<20	<20	<20	20
Surrogates				**%REC Limits**
Tetrachloro-meta-xylene	69.6%	74.2%	69.4%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	11/18/05	11/18/05	11/18/05	11/18/05	
Date Prepared:	11/23/05	11/23/05	11/29/05	12/02/05	
Date Analyzed:	11/23/05	11/23/05	11/29/05	12/02/05	
AA ID No:	5K18010-02	5K18010-03	5K18010-04	5K18010-05	
Client ID No:	34-SS-3.1	34-SS-6.9	34-SS-11.1	35-SS-2.7	
Dilution Factor:	1	1	100	1	MRL
TPH as Stoddard Solvent (5035) (EPA 8260M/5035)					
Stoddard Solvent	**1.6**	<0.50	**890**	<0.50	0.50
Surrogates					**%REC Limits**
Toluene-d8	110%	104%	92.0%	106%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	11/18/05	11/18/05	
Date Prepared:	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	
AA ID No:	5K18010-06	5K18010-07	
Client ID No:	35-SS-7.1	36-SS-2.3	
Dilution Factor:	1	1	MRL
TPH as Stoddard Solvent (5035) (EPA 8260M/5035)			
Stoddard Solvent	<0.50	<0.50	0.50
Surrogates			**%REC Limits**
Toluene-d8	102%	102%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563014
Project No:	10627.000.0	**Date Received:**	11/18/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Sample Matrix:	Water	**Units:**	ug/L
Method:	Purgeable Volatile Organic Compounds by GC/MS		

Date Sampled:	11/18/05	
Date Prepared:	11/23/05	
Date Analyzed:	11/23/05	
AA ID No:	5K18010-01	
Client ID No:	TB-111805-01	
Dilution Factor:	1	MRL
TPH as Stoddard Solvent (EPA 8260M)		
Stoddard Solvent	<100	100

Surrogates		**%REC Limits**
Toluene-d8	104%	80-120

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/18/05	11/18/05	11/18/05	11/18/05	
Date Prepared:	11/23/05	11/23/05	11/29/05	12/02/05	
Date Analyzed:	11/23/05	11/23/05	11/29/05	12/02/05	
AA ID No:	5K18010-02	5K18010-03	5K18010-04	5K18010-05	
Client ID No:	34-SS-3.1	34-SS-6.9	34-SS-11.1	35-SS-2.7	
Dilution Factor:	1	1	100	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035)					
Acetone	<50	<50	<5000	<50	50
tert-Amyl Methyl Ether (TAME)	<5.0	<5.0	<500	<5.0	5.0
Benzene	<2.0	<2.0	<200	<2.0	2.0
Bromobenzene	<5.0	<5.0	<500	<5.0	5.0
Bromochloromethane	<5.0	<5.0	<500	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	<500	<5.0	5.0
Bromoform	<5.0	<5.0	<500	<5.0	5.0
Bromomethane	<5.0	<5.0	<500	<5.0	5.0
2-Butanone (MEK)	<50	<50	<5000	<50	50
tert-Butyl alcohol (TBA)	<20	<20	<2000	<20	20
sec-Butylbenzene	<5.0	<5.0	<500	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	<500	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	**7800**	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	<500	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	<500	<5.0	5.0
Chlorobenzene	<5.0	<5.0	<500	<5.0	5.0
Chloroethane	<5.0	<5.0	<500	<5.0	5.0
Chloroform	<5.0	<5.0	<500	<5.0	5.0
Chloromethane	<5.0	<5.0	<500	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	<500	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	<500	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	<1000	<10	10
Dibromochloromethane	<5.0	<5.0	<500	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	<500	<5.0	5.0
Dibromomethane	<5.0	<5.0	<500	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	<500	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	<500	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/18/05	11/18/05	11/18/05	11/18/05	
Date Prepared:	11/23/05	11/23/05	11/29/05	12/02/05	
Date Analyzed:	11/23/05	11/23/05	11/29/05	12/02/05	
AA ID No:	5K18010-02	5K18010-03	5K18010-04	5K18010-05	
Client ID No:	34-SS-3.1	34-SS-6.9	34-SS-11.1	35-SS-2.7	
Dilution Factor:	1	1	100	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,2-Dichlorobenzene	<5.0	<5.0	<500	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	<500	<5.0	5.0
1,1-Dichloroethane	<5.0	<5.0	<500	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	<500	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	<500	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	<500	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	<500	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	<500	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	<500	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	<500	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	<500	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	<500	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<500	<5.0	5.0
Diisopropyl ether (DIPE)	<5.0	<5.0	<500	<5.0	5.0
Ethylbenzene	<2.0	<2.0	<200	<2.0	2.0
Ethyl-tert-Butyl Ether (ETBE)	<5.0	<5.0	<500	<5.0	5.0
Hexachlorobutadiene	<10	<10	<1000	<10	10
2-Hexanone (MBK)	<50	<50	<5000	<50	50
Isopropylbenzene	<5.0	<5.0	**850**	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	**7700**	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	<500	<5.0	5.0
Methylene Chloride	<50	<50	<5000	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	<5000	<50	50
Naphthalene	<10	**10**	**5400**	<10	10
n-Propylbenzene	<5.0	<5.0	**2800**	<5.0	5.0
Styrene	<5.0	<5.0	<500	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<500	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/18/05	11/18/05	11/18/05	11/18/05	
Date Prepared:	11/23/05	11/23/05	11/29/05	12/02/05	
Date Analyzed:	11/23/05	11/23/05	11/29/05	12/02/05	
AA ID No:	5K18010-02	5K18010-03	5K18010-04	5K18010-05	
Client ID No:	34-SS-3.1	34-SS-6.9	34-SS-11.1	35-SS-2.7	
Dilution Factor:	1	1	100	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<500	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	<5.0	<500	<5.0	5.0
Toluene	<2.0	**2.5**	<200	**5.7**	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<500	<5.0	5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	<500	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	<500	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	<500	<5.0	5.0
Trichloroethylene (TCE)	<5.0	<5.0	<500	<5.0	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	<500	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	<500	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	<500	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	**9400**	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	**16**	**37000**	<5.0	5.0
Vinyl chloride	<5.0	<5.0	<500	<5.0	5.0
o-Xylene	<2.0	<2.0	**660**	<2.0	2.0
m,p-Xylenes	<2.0	<2.0	**1000**	**2.5**	2.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	130%	104%	100%	110%	80-120
Dibromofluoromethane	86.0%	86.1%	100%	88.1%	80-120
Toluene-d8	110%	110%	98.1%	106%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/18/05	11/18/05	
Date Prepared:	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	
AA ID No:	5K18010-06	5K18010-07	
Client ID No:	35-SS-7.1	36-SS-2.3	
Dilution Factor:	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035)			
Acetone	<50	<50	50
tert-Amyl Methyl Ether (TAME)	<5.0	<5.0	5.0
Benzene	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	50
tert-Butyl alcohol (TBA)	<20	<20	20
sec-Butylbenzene	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	10
Dibromochloromethane	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/18/05	11/18/05	
Date Prepared:	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	
AA ID No:	5K18010-06	5K18010-07	
Client ID No:	35-SS-7.1	36-SS-2.3	
Dilution Factor:	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)			
1,2-Dichlorobenzene	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	5.0
1,1-Dichloroethane	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	5.0
Diisopropyl ether (DIPE)	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	2.0
Ethyl-tert-Butyl Ether (ETBE)	<5.0	<5.0	5.0
Hexachlorobutadiene	<10	<10	10
2-Hexanone (MBK)	<50	<50	50
Isopropylbenzene	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	50
Naphthalene	<10	<10	10
n-Propylbenzene	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/18/05	11/18/05	
Date Prepared:	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	
AA ID No:	5K18010-06	5K18010-07	
Client ID No:	35-SS-7.1	36-SS-2.3	
Dilution Factor:	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)			
1,1,2,2-Tetrachloroethane	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	<5.0	5.0
Toluene	**4.8**	**4.6**	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	5.0
Trichloroethylene (TCE)	<5.0	<5.0	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	5.0
o-Xylene	<2.0	<2.0	2.0
m,p-Xylenes	<2.0	**2.9**	2.0

Surrogates			**%REC Limits**
4-Bromofluorobenzene	108%	112%	80-120
Dibromofluoromethane	86.0%	90.1%	80-120
Toluene-d8	106%	106%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: ug/L

Date Sampled:	11/18/05	
Date Prepared:	11/23/05	
Date Analyzed:	11/23/05	
AA ID No:	5K18010-01	
Client ID No:	TB-111805-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B)

Acetone	<10	10
Benzene	<0.50	0.50
Bromobenzene	<0.50	0.50
Bromochloromethane	<0.50	0.50
Bromodichloromethane	<0.50	0.50
Bromoform	<0.50	0.50
Bromomethane	<0.50	0.50
2-Butanone (MEK)	<10	10
tert-Butylbenzene	<0.50	0.50
sec-Butylbenzene	<0.50	0.50
n-Butylbenzene	<0.50	0.50
Carbon Disulfide	<0.50	0.50
Carbon Tetrachloride	<0.50	0.50
Chlorobenzene	<0.50	0.50
Chloroethane	<0.50	0.50
Chloroform	<0.50	0.50
Chloromethane	<0.50	0.50
4-Chlorotoluene	<0.50	0.50
2-Chlorotoluene	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	1.0
Dibromochloromethane	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	0.50
Dibromomethane	<0.50	0.50
1,2-Dichlorobenzene	<0.50	0.50
1,4-Dichlorobenzene	<0.50	0.50
1,3-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: ug/L

Date Sampled:	11/18/05	
Date Prepared:	11/23/05	
Date Analyzed:	11/23/05	
AA ID No:	5K18010-01	
Client ID No:	TB-111805-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B) (continued)

1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
Ethylbenzene	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	<0.50	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	<2.0	2.0
n-Propylbenzene	<0.50	0.50
Styrene	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06
Units: ug/L

Date Sampled:	11/18/05	
Date Prepared:	11/23/05	
Date Analyzed:	11/23/05	
AA ID No:	5K18010-01	
Client ID No:	TB-111805-01	
Dilution Factor:	1	MRL
8260B Full List (EPA 8260B) (continued)		
Toluene	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	0.50
1,1,2-Trichloroethane	<0.50	0.50
1,1,1-Trichloroethane	<0.50	0.50
Trichloroethylene (TCE)	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	0.50
1,2,3-Trichloropropane	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	0.50
Vinyl chloride	<0.50	0.50
o-Xylene	<0.50	0.50
m,p-Xylenes	<1.0	1.0

Surrogates		**%REC Limits**
4-Bromofluorobenzene	100%	80-120
Dibromofluoromethane	86.0%	80-120
Toluene-d8	102%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5K3011 - EPA 3550B										
Blank (B5K3011-BLK1)				Prepared: 11/23/05		Analyzed: 11/29/05				
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*5.06*		*ug/kg*	*5.00*		*101*	*50-150*			
LCS (B5K3011-BS1)				Prepared: 11/23/05		Analyzed: 11/29/05				
Aroclor-1016	**44.0**	20	ug/kg	50.0		88.0	60-140			
Aroclor-1260	**46.1**	20	ug/kg	50.0		92.2	60-140			
Surrogate: Tetrachloro-meta-xylene	*5.02*		*ug/kg*	*5.00*		*100*	*50-150*			
Matrix Spike (B5K3011-MS1)			**Source: 5K18010-05**	Prepared: 11/23/05		Analyzed: 11/29/05				
Aroclor-1016	**44.1**	20	ug/kg	50.0	<20	88.2	50-150			
Aroclor-1260	**48.6**	20	ug/kg	50.0	<20	97.2	50-150			
Surrogate: Tetrachloro-meta-xylene	*4.00*		*ug/kg*	*5.00*		*80.0*	*50-150*			
Matrix Spike Dup (B5K3011-MSD1)			**Source: 5K18010-05**	Prepared: 11/23/05		Analyzed: 11/29/05				
Aroclor-1016	**44.6**	20	ug/kg	50.0	<20	89.2	50-150	1.13	40	
Aroclor-1260	**57.3**	20	ug/kg	50.0	<20	115	50-150	16.4	40	
Surrogate: Tetrachloro-meta-xylene	*3.13*		*ug/kg*	*5.00*		*62.6*	*50-150*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2816 - EPA 5035										
Blank (B5K2816-BLK1)				Prepared & Analyzed: 11/23/05						
Acetone	<50	50	ug/kg							
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2816 - EPA 5035										
Blank (B5K2816-BLK1) Continued				Prepared & Analyzed: 11/23/05						
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2816 - EPA 5035										
Blank (B5K2816-BLK1) Continued				Prepared & Analyzed: 11/23/05						
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Ethyl-tert-Butyl Ether (ETBE)	<5.0	5.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2816 - EPA 5035										
Blank (B5K2816-BLK1) Continued				Prepared & Analyzed: 11/23/05						
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*101*		*ug/kg*	*100*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*95.6*		*ug/kg*	*100*		*95.6*	*80-120*			
Surrogate: Toluene-d8	*103*		*ug/kg*	*100*		*103*	*80-120*			
LCS (B5K2816-BS1)				Prepared & Analyzed: 11/23/05						
Benzene	**39.2**	2.0	ug/kg	40.0		98.0	75-125			
Bromodichloromethane	**35.6**	5.0	ug/kg	40.0		89.0	75-125			
Bromoform	**34.0**	5.0	ug/kg	40.0		85.0	75-125			
Carbon Tetrachloride	**28.0**	5.0	ug/kg	40.0		70.0	75-125			
Chlorobenzene	**41.0**	5.0	ug/kg	40.0		102	75-125			
Chloroethane	**36.0**	5.0	ug/kg	40.0		90.0	75-125			
Chloroform	**36.4**	5.0	ug/kg	40.0		91.0	75-125			
Chloromethane	**39.6**	5.0	ug/kg	40.0		99.0	75-125			
Dibromochloromethane	**37.6**	5.0	ug/kg	40.0		94.0	75-125			
1,4-Dichlorobenzene	**41.0**	5.0	ug/kg	40.0		102	75-125			
1,1-Dichloroethane	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
1,2-Dichloroethane (EDC)	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
trans-1,2-Dichloroethylene	**36.4**	5.0	ug/kg	40.0		91.0	75-125			
cis-1,2-Dichloroethylene	**38.6**	5.0	ug/kg	40.0		96.5	75-125			
1,1-Dichloroethylene	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
1,2-Dichloropropane	**38.8**	5.0	ug/kg	40.0		97.0	75-125			
cis-1,3-Dichloropropylene	**36.6**	5.0	ug/kg	40.0		91.5	75-125			
Ethylbenzene	**40.4**	2.0	ug/kg	40.0		101	75-125			
Methyl-tert-Butyl Ether (MTBE)	**36.6**	5.0	ug/kg	40.0		91.5	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2816 - EPA 5035										
LCS (B5K2816-BS1) Continued				Prepared & Analyzed: 11/23/05						
Methylene Chloride	**40.4**	50	ug/kg	40.0		101	75-125			
n-Propylbenzene	**43.0**	5.0	ug/kg	40.0		108	75-125			
1,1,2,2-Tetrachloroethane	**41.2**	5.0	ug/kg	40.0		103	75-125			
Tetrachloroethylene (PCE)	**42.0**	5.0	ug/kg	40.0		105	75-125			
Toluene	**41.0**	2.0	ug/kg	40.0		102	75-125			
1,1,2-Trichloroethane	**40.6**	5.0	ug/kg	40.0		102	75-125			
1,1,1-Trichloroethane	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
Trichloroethylene (TCE)	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
Vinyl chloride	**42.6**	5.0	ug/kg	40.0		106	75-125			
o-Xylene	**40.2**	2.0	ug/kg	40.0		100	75-125			
Surrogate: 4-Bromofluorobenzene	*102*		*ug/kg*	*100*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*89.4*		*ug/kg*	*100*		*89.4*	*80-120*			
Surrogate: Toluene-d8	*102*		*ug/kg*	*100*		*102*	*80-120*			
LCS Dup (B5K2816-BSD1)				Prepared & Analyzed: 11/23/05						
Benzene	**41.2**	2.0	ug/kg	40.0		103	75-125	4.98	40	
Bromodichloromethane	**36.8**	5.0	ug/kg	40.0		92.0	75-125	3.31	40	
Bromoform	**34.4**	5.0	ug/kg	40.0		86.0	75-125	1.17	40	
Carbon Tetrachloride	**33.2**	5.0	ug/kg	40.0		83.0	75-125	17.0	40	
Chlorobenzene	**41.0**	5.0	ug/kg	40.0		102	75-125	0.00	40	
Chloroethane	**37.8**	5.0	ug/kg	40.0		94.5	75-125	4.88	40	
Chloroform	**37.0**	5.0	ug/kg	40.0		92.5	75-125	1.63	40	
Chloromethane	**44.0**	5.0	ug/kg	40.0		110	75-125	10.5	40	
Dibromochloromethane	**39.0**	5.0	ug/kg	40.0		97.5	75-125	3.66	40	
1,4-Dichlorobenzene	**41.0**	5.0	ug/kg	40.0		102	75-125	0.00	40	
1,1-Dichloroethane	**37.4**	5.0	ug/kg	40.0		93.5	75-125	3.26	40	
1,2-Dichloroethane (EDC)	**36.2**	5.0	ug/kg	40.0		90.5	75-125	4.32	40	
trans-1,2-Dichloroethylene	**36.8**	5.0	ug/kg	40.0		92.0	75-125	1.09	40	
cis-1,2-Dichloroethylene	**39.2**	5.0	ug/kg	40.0		98.0	75-125	1.54	40	
1,1-Dichloroethylene	**37.6**	5.0	ug/kg	40.0		94.0	75-125	2.15	40	
1,2-Dichloropropane	**39.8**	5.0	ug/kg	40.0		99.5	75-125	2.54	40	
cis-1,3-Dichloropropylene	**39.0**	5.0	ug/kg	40.0		97.5	75-125	6.35	40	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2816 - EPA 5035										
LCS Dup (B5K2816-BSD1) Continued				Prepared & Analyzed: 11/23/05						
Ethylbenzene	**40.4**	2.0	ug/kg	40.0		101	75-125	0.00	40	
Methyl-tert-Butyl Ether (MTBE)	**35.4**	5.0	ug/kg	40.0		88.5	75-125	3.33	40	
Methylene Chloride	**41.4**	50	ug/kg	40.0		104	75-125	2.44	40	
n-Propylbenzene	**41.6**	5.0	ug/kg	40.0		104	75-125	3.31	40	
1,1,2,2-Tetrachloroethane	**42.8**	5.0	ug/kg	40.0		107	75-125	3.81	40	
Tetrachloroethylene (PCE)	**42.2**	5.0	ug/kg	40.0		106	75-125	0.475	40	
Toluene	**40.4**	2.0	ug/kg	40.0		101	75-125	1.47	40	
1,1,2-Trichloroethane	**41.8**	5.0	ug/kg	40.0		104	75-125	2.91	40	
1,1,1-Trichloroethane	**37.2**	5.0	ug/kg	40.0		93.0	75-125	1.08	40	
Trichloroethylene (TCE)	**41.6**	5.0	ug/kg	40.0		104	75-125	9.57	40	
Vinyl chloride	**44.2**	5.0	ug/kg	40.0		110	75-125	3.69	40	
o-Xylene	**40.2**	2.0	ug/kg	40.0		100	75-125	0.00	40	
Surrogate: 4-Bromofluorobenzene	*99.8*		*ug/kg*	*100*		*99.8*	*80-120*			
Surrogate: Dibromofluoromethane	*93.4*		*ug/kg*	*100*		*93.4*	*80-120*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*80-120*			
Batch B5K2821 - EPA 5030B										
Blank (B5K2821-BLK1)				Prepared & Analyzed: 11/23/05						
Acetone	<10	10	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2821 - EPA 5030B										
Blank (B5K2821-BLK1) Continued				Prepared & Analyzed: 11/23/05						
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2821 - EPA 5030B										
Blank (B5K2821-BLK1) Continued				Prepared & Analyzed: 11/23/05						
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*50.3*		*ug/L*	*50.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*47.8*		*ug/L*	*50.0*		*95.6*	*80-120*			
Surrogate: Toluene-d8	*51.7*		*ug/L*	*50.0*		*103*	*80-120*			
LCS (B5K2821-BS1)				Prepared & Analyzed: 11/23/05						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Purgeable Volatile Organic Compounds by GC/MS - Quality Control

Batch B5K2821 - EPA 5030B

LCS (B5K2821-BS1) Continued — Prepared & Analyzed: 11/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	**19.6**	0.50	ug/L	20.0		98.0	75-125			
Bromodichloromethane	**17.8**	0.50	ug/L	20.0		89.0	75-125			
Bromoform	**17.0**	0.50	ug/L	20.0		85.0	75-125			
Carbon Tetrachloride	**14.0**	0.50	ug/L	20.0		70.0	75-125			
Chlorobenzene	**20.5**	0.50	ug/L	20.0		102	75-125			
Chloroethane	**18.0**	0.50	ug/L	20.0		90.0	75-125			
Chloroform	**18.2**	0.50	ug/L	20.0		91.0	75-125			
Chloromethane	**19.8**	0.50	ug/L	20.0		99.0	75-125			
Dibromochloromethane	**18.8**	0.50	ug/L	20.0		94.0	75-125			
1,4-Dichlorobenzene	**20.5**	0.50	ug/L	20.0		102	75-125			
1,1-Dichloroethane	**18.1**	0.50	ug/L	20.0		90.5	75-125			
1,2-Dichloroethane (EDC)	**18.9**	0.50	ug/L	20.0		94.5	75-125			
cis-1,2-Dichloroethylene	**19.3**	0.50	ug/L	20.0		96.5	75-125			
trans-1,2-Dichloroethylene	**18.2**	0.50	ug/L	20.0		91.0	75-125			
1,1-Dichloroethylene	**18.4**	0.50	ug/L	20.0		92.0	75-125			
1,2-Dichloropropane	**19.4**	0.50	ug/L	20.0		97.0	75-125			
cis-1,3-Dichloropropylene	**18.3**	0.50	ug/L	20.0		91.5	75-125			
Ethylbenzene	**20.2**	0.50	ug/L	20.0		101	75-125			
Methyl-tert-Butyl Ether (MTBE)	**18.3**	2.0	ug/L	20.0		91.5	75-125			
Methylene Chloride	**20.2**	5.0	ug/L	20.0		101	75-125			
1,1,2,2-Tetrachloroethane	**20.6**	0.50	ug/L	20.0		103	75-125			
Tetrachloroethylene (PCE)	**21.0**	0.50	ug/L	20.0		105	75-125			
Toluene	**20.5**	0.50	ug/L	20.0		102	75-125			
1,1,2-Trichloroethane	**20.3**	0.50	ug/L	20.0		102	75-125			
1,1,1-Trichloroethane	**18.4**	0.50	ug/L	20.0		92.0	75-125			
Trichloroethylene (TCE)	**18.9**	0.50	ug/L	20.0		94.5	75-125			
Vinyl chloride	**21.3**	0.50	ug/L	20.0		106	75-125			
o-Xylene	**20.1**	0.50	ug/L	20.0		100	75-125			
Surrogate: 4-Bromofluorobenzene	*50.8*		*ug/L*	*50.0*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*44.7*		*ug/L*	*50.0*		*89.4*	*80-120*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50.0*		*102*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2821 - EPA 5030B										
LCS Dup (B5K2821-BSD1)				Prepared & Analyzed: 11/23/05						
Benzene	**20.6**	0.50	ug/L	20.0		103	75-125	4.98	30	
Bromodichloromethane	**18.4**	0.50	ug/L	20.0		92.0	75-125	3.31	30	
Bromoform	**17.2**	0.50	ug/L	20.0		86.0	75-125	1.17	30	
Carbon Tetrachloride	**16.6**	0.50	ug/L	20.0		83.0	75-125	17.0	30	
Chlorobenzene	**20.5**	0.50	ug/L	20.0		102	75-125	0.00	30	
Chloroethane	**18.9**	0.50	ug/L	20.0		94.5	75-125	4.88	30	
Chloroform	**18.5**	0.50	ug/L	20.0		92.5	75-125	1.63	30	
Chloromethane	**22.0**	0.50	ug/L	20.0		110	75-125	10.5	30	
Dibromochloromethane	**19.5**	0.50	ug/L	20.0		97.5	75-125	3.66	30	
1,4-Dichlorobenzene	**20.5**	0.50	ug/L	20.0		102	75-125	0.00	30	
1,1-Dichloroethane	**18.7**	0.50	ug/L	20.0		93.5	75-125	3.26	30	
1,2-Dichloroethane (EDC)	**18.1**	0.50	ug/L	20.0		90.5	75-125	4.32	30	
cis-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20.0		98.0	75-125	1.54	30	
trans-1,2-Dichloroethylene	**18.4**	0.50	ug/L	20.0		92.0	75-125	1.09	30	
1,1-Dichloroethylene	**18.8**	0.50	ug/L	20.0		94.0	75-125	2.15	30	
1,2-Dichloropropane	**19.9**	0.50	ug/L	20.0		99.5	75-125	2.54	30	
cis-1,3-Dichloropropylene	**19.5**	0.50	ug/L	20.0		97.5	75-125	6.35	30	
Ethylbenzene	**20.2**	0.50	ug/L	20.0		101	75-125	0.00	30	
Methyl-tert-Butyl Ether (MTBE)	**17.7**	2.0	ug/L	20.0		88.5	75-125	3.33	30	
Methylene Chloride	**20.7**	5.0	ug/L	20.0		104	75-125	2.44	30	
1,1,2,2-Tetrachloroethane	**21.4**	0.50	ug/L	20.0		107	75-125	3.81	30	
Tetrachloroethylene (PCE)	**21.1**	0.50	ug/L	20.0		106	75-125	0.475	30	
Toluene	**20.2**	0.50	ug/L	20.0		101	75-125	1.47	30	
1,1,2-Trichloroethane	**20.9**	0.50	ug/L	20.0		104	75-125	2.91	30	
1,1,1-Trichloroethane	**18.6**	0.50	ug/L	20.0		93.0	75-125	1.08	30	
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20.0		104	75-125	9.57	30	
Vinyl chloride	**22.1**	0.50	ug/L	20.0		110	75-125	3.69	30	
o-Xylene	**20.1**	0.50	ug/L	20.0		100	75-125	0.00	30	
Surrogate: 4-Bromofluorobenzene	*49.9*		*ug/L*	*50.0*		*99.8*	*80-120*			
Surrogate: Dibromofluoromethane	*46.7*		*ug/L*	*50.0*		*93.4*	*80-120*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50.0*		*101*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Blank (B5K3019-BLK1)				Prepared & Analyzed: 11/29/05						
Acetone	<50	50	ug/kg							
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
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Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Blank (B5K3019-BLK1) Continued				Prepared & Analyzed: 11/29/05						
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Ethyl-tert-Butyl Ether (ETBE)	<5.0	5.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Blank (B5K3019-BLK1) Continued				Prepared & Analyzed: 11/29/05						
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*101*		*ug/kg*	*100*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*92.2*		*ug/kg*	*100*		*92.2*	*80-120*			
Surrogate: Toluene-d8	*100*		*ug/kg*	*100*		*100*	*80-120*			
LCS (B5K3019-BS1)				Prepared & Analyzed: 11/29/05						
Benzene	**38.4**	2.0	ug/kg	40.0		96.0	75-125			
Bromodichloromethane	**34.6**	5.0	ug/kg	40.0		86.5	75-125			
Bromoform	**30.8**	5.0	ug/kg	40.0		77.0	75-125			
Carbon Tetrachloride	**37.4**	5.0	ug/kg	40.0		93.5	75-125			
Chlorobenzene	**39.6**	5.0	ug/kg	40.0		99.0	75-125			
Chloroethane	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
Chloroform	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
Chloromethane	**43.0**	5.0	ug/kg	40.0		108	75-125			
Dibromochloromethane	**35.2**	5.0	ug/kg	40.0		88.0	75-125			
1,4-Dichlorobenzene	**39.2**	5.0	ug/kg	40.0		98.0	75-125			
1,1-Dichloroethane	**36.6**	5.0	ug/kg	40.0		91.5	75-125			
1,2-Dichloroethane (EDC)	**34.4**	5.0	ug/kg	40.0		86.0	75-125			
trans-1,2-Dichloroethylene	**37.8**	5.0	ug/kg	40.0		94.5	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
LCS (B5K3019-BS1) Continued				Prepared & Analyzed: 11/29/05						
cis-1,2-Dichloroethylene	**39.2**	5.0	ug/kg	40.0		98.0	75-125			
1,1-Dichloroethylene	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
1,2-Dichloropropane	**37.4**	5.0	ug/kg	40.0		93.5	75-125			
cis-1,3-Dichloropropylene	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
Ethylbenzene	**39.4**	2.0	ug/kg	40.0		98.5	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.8**	5.0	ug/kg	40.0		89.5	75-125			
Methylene Chloride	**42.8**	50	ug/kg	40.0		107	75-125			
n-Propylbenzene	**42.6**	5.0	ug/kg	40.0		106	75-125			
1,1,2,2-Tetrachloroethane	**38.6**	5.0	ug/kg	40.0		96.5	75-125			
Tetrachloroethylene (PCE)	**40.6**	5.0	ug/kg	40.0		102	75-125			
Toluene	**40.0**	2.0	ug/kg	40.0		100	75-125			
1,1,2-Trichloroethane	**37.0**	5.0	ug/kg	40.0		92.5	75-125			
1,1,1-Trichloroethane	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
Trichloroethylene (TCE)	**39.8**	5.0	ug/kg	40.0		99.5	75-125			
Vinyl chloride	**42.2**	5.0	ug/kg	40.0		106	75-125			
o-Xylene	**38.4**	2.0	ug/kg	40.0		96.0	75-125			
Surrogate: 4-Bromofluorobenzene	*100*		*ug/kg*	*100*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*92.4*		*ug/kg*	*100*		*92.4*	*80-120*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*80-120*			
Matrix Spike (B5K3019-MS1)			**Source: 5K29001-05**	Prepared & Analyzed: 11/29/05						
Benzene	**39.6**	2.0	ug/kg	40.0	<2.0	99.0	70-130			
Bromoform	**30.6**	5.0	ug/kg	40.0	<5.0	76.5	70-130			
Chlorobenzene	**44.4**	5.0	ug/kg	40.0	<5.0	111	70-130			
Chloroform	**35.4**	5.0	ug/kg	40.0	<5.0	88.5	70-130			
1,1-Dichloroethane	**35.6**	5.0	ug/kg	40.0	<5.0	89.0	70-130			
cis-1,2-Dichloroethylene	**38.4**	5.0	ug/kg	40.0	<5.0	96.0	70-130			
1,1-Dichloroethylene	**42.4**	5.0	ug/kg	40.0	<5.0	106	70-130			
1,2-Dichloropropane	**37.4**	5.0	ug/kg	40.0	<5.0	93.5	70-130			
Ethylbenzene	**44.6**	2.0	ug/kg	40.0	<2.0	112	70-130			
Methyl-tert-Butyl Ether (MTBE)	**34.8**	5.0	ug/kg	40.0	<5.0	87.0	70-130			
n-Propylbenzene	**47.2**	5.0	ug/kg	40.0	<5.0	118	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Matrix Spike (B5K3019-MS1) Continued Source: 5K29001-05 Prepared & Analyzed: 11/29/05										
Tetrachloroethylene (PCE)	**46.0**	5.0	ug/kg	40.0	<5.0	115	70-130			
Toluene	**44.8**	2.0	ug/kg	40.0	<2.0	112	70-130			
1,1,1-Trichloroethane	**38.8**	5.0	ug/kg	40.0	<5.0	97.0	70-130			
Trichloroethylene (TCE)	**41.8**	5.0	ug/kg	40.0	<5.0	104	70-130			
1,3,5-Trimethylbenzene	**45.0**	5.0	ug/kg	40.0	<5.0	112	70-130			
Vinyl chloride	**43.4**	5.0	ug/kg	40.0	<5.0	108	70-130			
Surrogate: 4-Bromofluorobenzene	*108*		*ug/kg*	*100*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*91.0*		*ug/kg*	*100*		*91.0*	*80-120*			
Surrogate: Toluene-d8	*112*		*ug/kg*	*100*		*112*	*80-120*			
Matrix Spike Dup (B5K3019-MSD1) Source: 5K29001-05 Prepared & Analyzed: 11/29/05										
Benzene	**37.8**	2.0	ug/kg	40.0	<2.0	94.5	70-130	4.65	40	
Bromoform	**32.8**	5.0	ug/kg	40.0	<5.0	82.0	70-130	6.94	40	
Chlorobenzene	**40.6**	5.0	ug/kg	40.0	<5.0	102	70-130	8.94	40	
Chloroform	**35.6**	5.0	ug/kg	40.0	<5.0	89.0	70-130	0.563	40	
1,1-Dichloroethane	**35.2**	5.0	ug/kg	40.0	<5.0	88.0	70-130	1.13	40	
cis-1,2-Dichloroethylene	**39.0**	5.0	ug/kg	40.0	<5.0	97.5	70-130	1.55	40	
1,1-Dichloroethylene	**36.2**	5.0	ug/kg	40.0	<5.0	90.5	70-130	15.8	40	
1,2-Dichloropropane	**37.0**	5.0	ug/kg	40.0	<5.0	92.5	70-130	1.08	40	
Ethylbenzene	**40.0**	2.0	ug/kg	40.0	<2.0	100	70-130	10.9	40	
Methyl-tert-Butyl Ether (MTBE)	**33.8**	5.0	ug/kg	40.0	<5.0	84.5	70-130	2.92	40	
n-Propylbenzene	**41.4**	5.0	ug/kg	40.0	<5.0	104	70-130	13.1	40	
Tetrachloroethylene (PCE)	**40.8**	5.0	ug/kg	40.0	<5.0	102	70-130	12.0	40	
Toluene	**40.6**	2.0	ug/kg	40.0	<2.0	102	70-130	9.84	40	
1,1,1-Trichloroethane	**36.6**	5.0	ug/kg	40.0	<5.0	91.5	70-130	5.84	40	
Trichloroethylene (TCE)	**39.2**	5.0	ug/kg	40.0	<5.0	98.0	70-130	6.42	40	
1,3,5-Trimethylbenzene	**39.4**	5.0	ug/kg	40.0	<5.0	98.5	70-130	13.3	40	
Vinyl chloride	**42.0**	5.0	ug/kg	40.0	<5.0	105	70-130	3.28	40	
Surrogate: 4-Bromofluorobenzene	*107*		*ug/kg*	*100*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*96.6*		*ug/kg*	*100*		*96.6*	*80-120*			
Surrogate: Toluene-d8	*106*		*ug/kg*	*100*		*106*	*80-120*			
Batch B5L0503 - EPA 5035										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Blank (B5L0503-BLK1)				Prepared & Analyzed: 12/02/05						
Acetone	<50	50	ug/kg							
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
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Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Blank (B5L0503-BLK1) Continued				Prepared & Analyzed: 12/02/05						
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Ethyl-tert-Butyl Ether (ETBE)	<5.0	5.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Blank (B5L0503-BLK1) Continued				Prepared & Analyzed: 12/02/05						
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*93.8*		*ug/kg*	*100*		*93.8*	*80-120*			
Surrogate: Dibromofluoromethane	*86.2*		*ug/kg*	*100*		*86.2*	*80-120*			
Surrogate: Toluene-d8	*102*		*ug/kg*	*100*		*102*	*80-120*			
LCS (B5L0503-BS1)				Prepared & Analyzed: 12/02/05						
Benzene	**39.6**	2.0	ug/kg	40.0		99.0	75-125			
Bromodichloromethane	**37.2**	5.0	ug/kg	40.0		93.0	75-125			
Bromoform	**33.2**	5.0	ug/kg	40.0		83.0	75-125			
Carbon Tetrachloride	**39.0**	5.0	ug/kg	40.0		97.5	75-125			
Chlorobenzene	**40.6**	5.0	ug/kg	40.0		102	75-125			
Chloroethane	**38.6**	5.0	ug/kg	40.0		96.5	75-125			
Chloroform	**36.0**	5.0	ug/kg	40.0		90.0	75-125			
Chloromethane	**42.2**	5.0	ug/kg	40.0		106	75-125			
Dibromochloromethane	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
1,4-Dichlorobenzene	**40.6**	5.0	ug/kg	40.0		102	75-125			
1,1-Dichloroethane	**35.2**	5.0	ug/kg	40.0		88.0	75-125			
1,2-Dichloroethane (EDC)	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
trans-1,2-Dichloroethylene	**36.8**	5.0	ug/kg	40.0		92.0	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
LCS (B5L0503-BS1) Continued				Prepared & Analyzed: 12/02/05						
cis-1,2-Dichloroethylene	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
1,1-Dichloroethylene	**35.4**	5.0	ug/kg	40.0		88.5	75-125			
1,2-Dichloropropane	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
cis-1,3-Dichloropropylene	**39.8**	5.0	ug/kg	40.0		99.5	75-125			
Ethylbenzene	**40.6**	2.0	ug/kg	40.0		102	75-125			
Methyl-tert-Butyl Ether (MTBE)	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
Methylene Chloride	**42.2**	50	ug/kg	40.0		106	75-125			
n-Propylbenzene	**43.0**	5.0	ug/kg	40.0		108	75-125			
1,1,2,2-Tetrachloroethane	**42.4**	5.0	ug/kg	40.0		106	75-125			
Tetrachloroethylene (PCE)	**41.4**	5.0	ug/kg	40.0		104	75-125			
Toluene	**40.4**	2.0	ug/kg	40.0		101	75-125			
1,1,2-Trichloroethane	**40.6**	5.0	ug/kg	40.0		102	75-125			
1,1,1-Trichloroethane	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
Trichloroethylene (TCE)	**40.8**	5.0	ug/kg	40.0		102	75-125			
Vinyl chloride	**43.0**	5.0	ug/kg	40.0		108	75-125			
o-Xylene	**40.4**	2.0	ug/kg	40.0		101	75-125			
Surrogate: 4-Bromofluorobenzene	*103*		*ug/kg*	*100*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*90.6*		*ug/kg*	*100*		*90.6*	*80-120*			
Surrogate: Toluene-d8	*102*		*ug/kg*	*100*		*102*	*80-120*			
Matrix Spike (B5L0503-MS1)			**Source: 5L02001-05**	Prepared & Analyzed: 12/02/05						
Benzene	**41.6**	2.0	ug/kg	40.0	<2.0	104	70-130			
Bromoform	**30.4**	5.0	ug/kg	40.0	<5.0	76.0	70-130			
Chlorobenzene	**42.4**	5.0	ug/kg	40.0	<5.0	106	70-130			
Chloroform	**40.4**	5.0	ug/kg	40.0	<5.0	101	70-130			
1,1-Dichloroethane	**39.4**	5.0	ug/kg	40.0	<5.0	98.5	70-130			
cis-1,2-Dichloroethylene	**42.4**	5.0	ug/kg	40.0	<5.0	106	70-130			
1,1-Dichloroethylene	**42.6**	5.0	ug/kg	40.0	<5.0	106	70-130			
1,2-Dichloropropane	**39.0**	5.0	ug/kg	40.0	<5.0	97.5	70-130			
Ethylbenzene	**42.0**	2.0	ug/kg	40.0	<2.0	105	70-130			
Methyl-tert-Butyl Ether (MTBE)	**34.6**	5.0	ug/kg	40.0	<5.0	86.5	70-130			
n-Propylbenzene	**45.8**	5.0	ug/kg	40.0	<5.0	114	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Matrix Spike (B5L0503-MS1) Continued			**Source: 5L02001-05**	Prepared & Analyzed: 12/02/05						
Tetrachloroethylene (PCE)	**43.8**	5.0	ug/kg	40.0	<5.0	110	70-130			
Toluene	**42.2**	2.0	ug/kg	40.0	<2.0	106	70-130			
1,1,1-Trichloroethane	**40.8**	5.0	ug/kg	40.0	<5.0	102	70-130			
Trichloroethylene (TCE)	**62.4**	5.0	ug/kg	40.0	18	111	70-130			
1,3,5-Trimethylbenzene	**44.0**	5.0	ug/kg	40.0	<5.0	110	70-130			
Vinyl chloride	**40.6**	5.0	ug/kg	40.0	<5.0	102	70-130			
Surrogate: 4-Bromofluorobenzene	*100*		*ug/kg*	*100*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*97.6*		*ug/kg*	*100*		*97.6*	*80-120*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*80-120*			
Matrix Spike Dup (B5L0503-MSD1)			**Source: 5L02001-05**	Prepared & Analyzed: 12/02/05						
Benzene	**39.0**	2.0	ug/kg	40.0	<2.0	97.5	70-130	6.45	40	
Bromoform	**29.4**	5.0	ug/kg	40.0	<5.0	73.5	70-130	3.34	40	
Chlorobenzene	**40.4**	5.0	ug/kg	40.0	<5.0	101	70-130	4.83	40	
Chloroform	**37.6**	5.0	ug/kg	40.0	<5.0	94.0	70-130	7.18	40	
1,1-Dichloroethane	**37.4**	5.0	ug/kg	40.0	<5.0	93.5	70-130	5.21	40	
cis-1,2-Dichloroethylene	**40.6**	5.0	ug/kg	40.0	<5.0	102	70-130	4.34	40	
1,1-Dichloroethylene	<5.0	5.0	ug/kg	40.0	<5.0		70-130		40	
1,2-Dichloropropane	**36.4**	5.0	ug/kg	40.0	<5.0	91.0	70-130	6.90	40	
Ethylbenzene	**40.4**	2.0	ug/kg	40.0	<2.0	101	70-130	3.88	40	
Methyl-tert-Butyl Ether (MTBE)	**32.6**	5.0	ug/kg	40.0	<5.0	81.5	70-130	5.95	40	
n-Propylbenzene	**43.6**	5.0	ug/kg	40.0	<5.0	109	70-130	4.92	40	
Tetrachloroethylene (PCE)	**42.0**	5.0	ug/kg	40.0	<5.0	105	70-130	4.20	40	
Toluene	**40.0**	2.0	ug/kg	40.0	<2.0	100	70-130	5.35	40	
1,1,1-Trichloroethane	**38.2**	5.0	ug/kg	40.0	<5.0	95.5	70-130	6.58	40	
Trichloroethylene (TCE)	**60.0**	5.0	ug/kg	40.0	18	105	70-130	3.92	40	
1,3,5-Trimethylbenzene	**42.4**	5.0	ug/kg	40.0	<5.0	106	70-130	3.70	40	
Vinyl chloride	**37.6**	5.0	ug/kg	40.0	<5.0	94.0	70-130	7.67	40	
Surrogate: 4-Bromofluorobenzene	*99.0*		*ug/kg*	*100*		*99.0*	*80-120*			
Surrogate: Dibromofluoromethane	*95.6*		*ug/kg*	*100*		*95.6*	*80-120*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2820 - EPA 5035										
Blank (B5K2820-BLK1)				Prepared & Analyzed: 11/23/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.104*		*mg/kg*	*0.100*		*104*	*80-120*			
LCS (B5K2820-BS1)				Prepared & Analyzed: 11/23/05						
Stoddard Solvent	**1.08**	0.50	mg/kg	1.00		108	75-125			
Surrogate: Toluene-d8	*0.0936*		*mg/kg*	*0.100*		*93.6*	*80-120*			
LCS Dup (B5K2820-BSD1)				Prepared & Analyzed: 11/23/05						
Stoddard Solvent	**1.10**	0.50	mg/kg	1.00		110	75-125	1.83	30	
Surrogate: Toluene-d8	*0.0890*		*mg/kg*	*0.100*		*89.0*	*80-120*			
Batch B5K2822 - EPA 5030B										
Blank (B5K2822-BLK1)				Prepared & Analyzed: 11/23/05						
Stoddard Solvent	<100	100	ug/L							
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.0*		*104*	*80-120*			
LCS (B5K2822-BS1)				Prepared & Analyzed: 11/23/05						
Stoddard Solvent	**540**	100	ug/L	500		108	75-125			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.0*		*93.6*	*80-120*			
LCS Dup (B5K2822-BSD1)				Prepared & Analyzed: 11/23/05						
Stoddard Solvent	**550**	100	ug/L	500		110	75-125	1.83	30	
Surrogate: Toluene-d8	*44.5*		*ug/L*	*50.0*		*89.0*	*80-120*			
Batch B5K3027 - EPA 5035										
Blank (B5K3027-BLK1)				Prepared & Analyzed: 11/29/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.0992*		*mg/kg*	*0.100*		*99.2*	*80-120*			
LCS (B5K3027-BS1)				Prepared & Analyzed: 11/29/05						
Stoddard Solvent	**1.04**	0.50	mg/kg	1.00		104	75-125			
Surrogate: Toluene-d8	*0.0982*		*mg/kg*	*0.100*		*98.2*	*80-120*			
LCS Dup (B5K3027-BSD1)				Prepared & Analyzed: 11/29/05						
Stoddard Solvent	**1.10**	0.50	mg/kg	1.00		110	75-125	5.61	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3027 - EPA 5035										
LCS Dup (B5K3027-BSD1) Continued				Prepared & Analyzed: 11/29/05						
Surrogate: Toluene-d8	*0.0964*		*mg/kg*	*0.100*		*96.4*	*80-120*			
Batch B5L0505 - EPA 5035										
Blank (B5L0505-BLK1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.103*		*mg/kg*	*0.100*		*103*	*80-120*			
LCS (B5L0505-BS1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	**1.14**	0.50	mg/kg	1.00		114	75-125			
Surrogate: Toluene-d8	*0.0940*		*mg/kg*	*0.100*		*94.0*	*80-120*			
LCS Dup (B5L0505-BSD1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	**1.04**	0.50	mg/kg	1.00		104	75-125	9.17	30	
Surrogate: Toluene-d8	*0.0964*		*mg/kg*	*0.100*		*96.4*	*80-120*			
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K2804 - EPA 3550B										
Blank (B5K2804-BLK1)				Prepared: 11/22/05 Analyzed: 11/23/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K2804 - EPA 3550B										
Blank (B5K2804-BLK1) Continued				Prepared: 11/22/05		Analyzed: 11/23/05				
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*7.00*		*mg/kg*	*10.0*		*70.0*	*50-150*			
LCS (B5K2804-BS1)				Prepared: 11/22/05		Analyzed: 11/23/05				
Diesel Range Organics as Diesel	**199**		mg/kg	200		99.5	75-125			
Surrogate: o-Terphenyl	*13.5*		*mg/kg*	*10.0*		*135*	*50-150*			
Matrix Spike (B5K2804-MS1)			**Source: 5K18010-13**	Prepared: 11/22/05		Analyzed: 11/23/05				
Diesel Range Organics as Diesel	**169**		mg/kg	200	0.0	84.5	70-130			
Surrogate: o-Terphenyl	*10.7*		*mg/kg*	*10.0*		*107*	*50-150*			
Matrix Spike Dup (B5K2804-MSD1)			**Source: 5K18010-13**	Prepared: 11/22/05		Analyzed: 11/23/05				
Diesel Range Organics as Diesel	**164**		mg/kg	200	0.0	82.0	70-130	3.00	40	
Surrogate: o-Terphenyl	*15.0*		*mg/kg*	*10.0*		*150*	*50-150*			
Batch B5K3017 - EPA 3550B										
Blank (B5K3017-BLK1)				Prepared & Analyzed: 11/29/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K3017 - EPA 3550B										
Blank (B5K3017-BLK1) Continued				Prepared & Analyzed: 11/29/05						
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*11.7*		*mg/kg*	*10.0*		*117*	*50-150*			
LCS (B5K3017-BS1)				Prepared & Analyzed: 11/29/05						
Diesel Range Organics as Diesel	**177**		mg/kg	200		88.5	75-125			
Surrogate: o-Terphenyl	*12.6*		*mg/kg*	*10.0*		*126*	*50-150*			
Matrix Spike (B5K3017-MS1)		**Source: 5K29001-05**		Prepared & Analyzed: 11/29/05						
Diesel Range Organics as Diesel	**178**		mg/kg	200	0.0	89.0	70-130			
Surrogate: o-Terphenyl	*11.2*		*mg/kg*	*10.0*		*112*	*50-150*			
Matrix Spike Dup (B5K3017-MSD1)		**Source: 5K29001-05**		Prepared & Analyzed: 11/29/05						
Diesel Range Organics as Diesel	**161**		mg/kg	200	0.0	80.5	70-130	10.0	40	
Surrogate: o-Terphenyl	*12.0*		*mg/kg*	*10.0*		*120*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563014
Date Received: 11/18/05
Date Reported: 01/12/06

Special Notes

Viorel Vasile
Operations Manager

MB563014 / SK18010

Chain-of-Custody Record

12765

Date: 11/18/05

Project No.: 10627-0000-0

Samplers (Signatures): Thet Naing, Tamer Yunus

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCB (8082)	TPH Carbon chain SGS/B modified	VOC's (8260B)						Acidified	No. of containers
11/18/05	–	Temp-111805-01	W															4°C		–	1
	–	TB-111805-01	W											X				SK18010-01		2	2
	0805	34-SS-3.1	S									X	X	X				SK18010-02			4
	0825	34-SS-6.9	S									X	X	X					-03		4
	0920	34-SS-11.1	S								Hold →	H	⊗	⊗					-04		4
	1000	35-SS-2.7	S									X	X	⊗					-05		4
	1025	35-SS-7.1	S									X	X	⊗					-06		4
	1045	36-SS-2.3	S									X	X	⊗					-07		4
	1130	33-SS-2.5	S									X	X						-07		1
	1140	33-SS-6.8	S									X	X						-08		1
	~~1215~~	~~33 TN S~~																			
	1215	31-SS-1.8	S									X	X						-10		1
	1305	31-SS-6.4	S									X	X						-11		1
	1335	32-SS-2.0	S									X	X						-12		1
	1350	32-SS-6.5	S									X	X						-13		1

ANALYSES

REMARKS

Additional Comments

Notes to Lab

H: Hold (do not analyze)

Important:

For soil samples from acetate sleeves, use soil from the "black" cap end of sleeve.

⊗: added on 12/01/05, per L. Conlan, Geomatrix

Turnaround Time: 5-day for TPH, Standard TAT for others TAT

Results To: Linda Conlan, Paula Delong

Total No. of containers: 33

Relinquished by (signature)	Date	Relinquished by (signature)	Date	Relinquished by (signature)	Date
Thet Naing	11/18/05	Keith W. Zuezzi	11/18/05		
Printed Name: Thet Naing	Time:	Printed Name: Keith W. Zuezzi	Time:	Printed Name:	Time:
Company: Geomatrix	1450	Company: American Analytics	1625	Company:	
Received (signature)	**Date**	**Received (signature)**	**Date**	**Received (signature)**	**Date**
Keith W. Zuezzi	11/18/05	L. Glazan	11/18/05		
Printed Name: Keith Zuezzi	Time:	Printed Name: Ludmila Glazan	Time:	Printed Name:	Time:
Company: American Analytics	1450	Company: AA	16:22	Company:	

Method of shipment: Lab Courier (Driller)

Laboratory comments and Log No.: ⊗: added on 11/28/05, per Linda Conlan, Geomatrix

approved as work order 11/18/05 1700 V. Varela

05 NOV 18 16:22 34

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MB563014 / SK18010

Chain-of-Custody Record

12769

Date: 11/18/05

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing, Tamera Yee

ANALYSES

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCBs (8082)	TPH Carbon Chain 8015B Modified	VOCs (8260B)							Acidified	No. of containers
11/18/05	—	Temp-111805-02	W															SC			—	1
↓	—	TB-111805-02	W				Hold →							H					-14		2	2
		EB-111805-01	W				Hold →					H	H	H					-15		3	5

REMARKS

Additional Comments

H: Hold (Do not analyze)

Turnaround Time: 5-day TAT for TPH, Standard TAT for others

Results To: Linda Conlan / Paula Delong

Total No. of containers: 9

Relinquished by (signature)	Date	Relinquished by (signature)	Date	Relinquished by (signature)	Date
Thet Naing	11/18/05	Keith W. Zalezski	11/18/05		
Printed Name: Thet Naing	Time: 1450	Printed Name: Keith W. Zalezski	Time: 1625	Printed Name:	Time:
Company: Geomatrix		Company: American Analytics		Company:	
Received (signature)	**Date**	**Received (signature)**	**Date**	**Received (signature)**	**Date**
Keith W Zalezski	11/18/05	Ludmila Glaza	11/18/05		
Printed Name: Keith W Zalezski	Time: 1450	Printed Name:	Time: 16:22	Printed Name:	Time:
Company: American Analytics		Company: AA		Company:	

Method of shipment: Lab Courier (Driller)

Laboratory comments and Log No.: approved as work order 11/18/05 1700 V. Vonle

'05 NOV 18 16:22 39

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

February 28, 2006

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563015 / 5K22009

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/21/05 16:40 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 02/28/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
Lead TCLP EPA 6010B					
22-SS-2.6	5K22009-09	Soil	10	11/21/05 14:15	11/21/05 16:40

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563015
Project No:	10627.000.0	**Date Received:**	11/21/05
Project Name:	Vernon	**Date Reported:**	02/28/06
Method:	Soluble Metals TCLP by ICP	**Units:**	mg/L

Date Sampled:	11/21/05	
Date Prepared:	02/28/06	
Date Analyzed:	02/28/06	
AA ID No:	5K22009-09	
Client ID No:	22-SS-2.6	
Matrix:	Soil	
Dilution Factor:	1	MRL

Lead TCLP EPA 6010B (EPA 6010B)

Lead	<0.10	0.10

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 02/28/06

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Soluble Metals TCLP by ICP - Quality Control										
Batch B6B2824 - EPA 3010A										
Blank (B6B2824-BLK1)				Prepared & Analyzed: 02/28/06						
Lead	<0.10	0.10	mg/L							
LCS (B6B2824-BS1)				Prepared & Analyzed: 02/28/06						
Lead	**0.876**	0.10	mg/L	1.00		87.6	85-115			
LCS Dup (B6B2824-BSD1)				Prepared & Analyzed: 02/28/06						
Lead	**0.976**	0.10	mg/L	1.00		97.6	85-115	10.8	25	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 02/28/06

Special Notes

Viorel Vasile
Operations Manager

American Analytics Ÿ 9765 Eton Avenue, Chatsworth, California 91311
Tel: (818) 998-5547 Ÿ Fax: (818) 998-7258

MB563015 / SK22009

Chain-of-Custody Record

12762

Date: 11/21/05 | Page 1 of 2

Project No.: 10627.000.0

Samplers (Signatures): Thot Naing, Tamara Yuen

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	RCRA (8082)	Metals (6010B)**	VOCs (8260B)*	pH	TTLC Carbon Chain Soils to be analyzed	STLC Cu	STLC Pb	TCLP		Acidified	No. of containers
11/21/05	—	Temp_112105-01	W																	5°C	—	1
—	—	TB-112105-01	W											X						SK22009-01	Z	2
—	0835	74-SS-2.9	S									X								-02		1
—	0920	41-SS-2.6	S									X								-03		1
—	1110	42-SS-2.2	S								DL TN	X	X				X	X		-04		1
—	1205	29-SS-2.8	S									X	X	X		X				-05		4
—	1230	29-SS-6.7	S									X	X	X		X				-06		4
—	1335	17-SS-2.7	S									X		X						-07		4
—	1350	17-SS-6.3	S									X		X						-08		4
—	1415	22-SS-2.6	S										X		X			X	X	-09		1
—	1430	22-SS-6.5	S										X		X					-10		1

Turnaround Time: 5-day TAT for TPH, Standard TAT for others

Results To: Linda Conlan / Paula Delong

Total No. of containers: 24

REMARKS

Additional Comments

Notes to lab

H- Hold (Do not analyze)

Important:

For soil samples from acetate sleeves, use from "BLACK" cap end of sleeve.

**Metals includes mercury

* 8260B/5035

⊗: added on 12/9/05, per Ava Gonzalez, Geomatrix

⊗: added on 02/24/06 per Ava Gonzalez

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Thot Naing	11/21/05	Keith W. Zolezzi	11/21/05		
Printed Name: Thot Naing	Time:	Printed Name: Keith Zolezzi	Time:	Printed Name:	Time:
Company: Geomatrix	1530	Company: American Analytics	1640	Company:	
Received (signature): Keith W. Zolezzi	Date: 11/21/05	Received (signature):	Date: 11/21/05	Received (signature):	Date:
Printed Name: Keith W. Zolezzi	Time:	Printed Name: Ludmila Glazer	Time: 16:10	Printed Name:	Time:
Company: American Analytics	1530	Company: AA		Company:	

Method of shipment: Lab Courier (Driver)

Laboratory comments and Log No.: ⊗ added on 11/28/05, per Linda Conlan Geomatrix

approved as work order 11/22/05 1500 V. Vowla

'05 NOV 21 16:40 56

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MB 563015 / 5K22009

Chain-of-Custody Record

12764

Date: 11/21/05

Project No.: 10627.000.0

Samplers (Signatures): Thot Naing, Tamsen Yunn

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	TPH Carbon Chain 5/9/15-Bn-Octane	Metals (6010B)*	VOCs (8260B)	PCBs (8082)					Acidified	No. of containers
11/21/05	—	Temp-112105-02	W																SC	—	1
↓	—	TB-112105-02	W					Hold →						H					-11	2	2
↓	1500	EB-112105-01	W					Hold →				H	H	H	H				-12	4	6

Additional Comments

Lab notes

H: Hold, do not analyze

* Metals include mercury

Turnaround Time: Standard TAT

Results To: Linda Conlan / Paula Debing

Total No. of containers: 9

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Method of shipment:
Thot Naing	11/21/05	Keith W. Zolezzi	11/21/05			Lab Courier (Driller)
Printed Name: Thot Naing	Time:	Printed Name: Keith Zolezzi	Time:	Printed Name:	Time:	Laboratory comments and Log No.:
Company: Geomatrix	1530	Company: American Analytics	1640	Company:		
Received (signature): Keith W. Zolezzi	Date: 11/21/05	Received (signature):	Date:	Received (signature):	Date:	approved as work order 11/22/05 1500 V. Vonne
Printed Name: Keith W. Zolezzi	Time:	Printed Name:	Time:	Printed Name:	Time:	
Company: American Analytics	1530	Company:		Company:		

'05 NOV 21 16:40 51

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

January 12, 2006

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563015 / 5K22009

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/21/05 16:40 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8082 PCBs					
74-SS-2.9	5K22009-02	Soil	10	11/21/05 08:35	11/21/05 16:40
41-SS-2.6	5K22009-03	Soil	10	11/21/05 09:20	11/21/05 16:40
29-SS-2.8	5K22009-05	Soil	10	11/21/05 12:05	11/21/05 16:40
29-SS-6.7	5K22009-06	Soil	10	11/21/05 12:30	11/21/05 16:40
17-SS-2.7	5K22009-07	Soil	10	11/21/05 13:35	11/21/05 16:40
17-SS-6.3	5K22009-08	Soil	10	11/21/05 13:50	11/21/05 16:40
8260B Full List					
TB-112105-01	5K22009-01	Water	10	11/21/05 07:00	11/21/05 16:40
8260B/5035 Soil Full List					
29-SS-2.8	5K22009-05	Soil	10	11/21/05 12:05	11/21/05 16:40
29-SS-6.7	5K22009-06	Soil	10	11/21/05 12:30	11/21/05 16:40
17-SS-2.7	5K22009-07	Soil	10	11/21/05 13:35	11/21/05 16:40
17-SS-6.3	5K22009-08	Soil	10	11/21/05 13:50	11/21/05 16:40
CAM Metals Less Hg 6000/7000					
42-SS-2.2	5K22009-04	Soil	10	11/21/05 11:10	11/21/05 16:40
29-SS-2.8	5K22009-05	Soil	10	11/21/05 12:05	11/21/05 16:40
29-SS-6.7	5K22009-06	Soil	10	11/21/05 12:30	11/21/05 16:40

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
22-SS-2.6	5K22009-09	Soil	10	11/21/05 14:15	11/21/05 16:40
22-SS-6.5	5K22009-10	Soil	10	11/21/05 14:30	11/21/05 16:40
Carbon Chain Characterization 8015M					
29-SS-2.8	5K22009-05	Soil	5	11/21/05 12:05	11/21/05 16:40
29-SS-6.7	5K22009-06	Soil	5	11/21/05 12:30	11/21/05 16:40
Mercury Total EPA 7470A/7471A					
42-SS-2.2	5K22009-04	Soil	10	11/21/05 11:10	11/21/05 16:40
29-SS-2.8	5K22009-05	Soil	10	11/21/05 12:05	11/21/05 16:40
29-SS-6.7	5K22009-06	Soil	10	11/21/05 12:30	11/21/05 16:40
22-SS-2.6	5K22009-09	Soil	10	11/21/05 14:15	11/21/05 16:40
22-SS-6.5	5K22009-10	Soil	10	11/21/05 14:30	11/21/05 16:40
Metals STLC					
42-SS-2.2	5K22009-04	Soil	10	11/21/05 11:10	11/21/05 16:40
22-SS-2.6	5K22009-09	Soil	10	11/21/05 14:15	11/21/05 16:40
pH Measurement Soil 9045C					
22-SS-2.6	5K22009-09	Soil	10	11/21/05 14:15	11/21/05 16:40
22-SS-6.5	5K22009-10	Soil	10	11/21/05 14:30	11/21/05 16:40

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
TPH as Stoddard Solvent					
TB-112105-01	5K22009-01	Water	10	11/21/05 07:00	11/21/05 16:40
TPH as Stoddard Solvent (5035)					
29-SS-2.8	5K22009-05	Soil	10	11/21/05 12:05	11/21/05 16:40
29-SS-6.7	5K22009-06	Soil	10	11/21/05 12:30	11/21/05 16:40
17-SS-2.7	5K22009-07	Soil	10	11/21/05 13:35	11/21/05 16:40
17-SS-6.3	5K22009-08	Soil	10	11/21/05 13:50	11/21/05 16:40

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	11/21/05	11/21/05	
Date Prepared:	11/29/05	11/29/05	
Date Analyzed:	11/29/05	11/29/05	
AA ID No:	5K22009-05	5K22009-06	
Client ID No:	29-SS-2.8	29-SS-6.7	
Dilution Factor:	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)			
C6-C8	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	10
Surrogates			**%REC Limits**
o-Terphenyl	117%	103%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/21/05	11/21/05	11/21/05	11/21/05	
Date Prepared:	11/23/05	11/23/05	11/23/05	11/23/05	
Date Analyzed:	11/29/05	11/29/05	11/29/05	11/29/05	
AA ID No:	5K22009-02	5K22009-03	5K22009-05	5K22009-06	
Client ID No:	74-SS-2.9	41-SS-2.6	29-SS-2.8	29-SS-6.7	
Dilution Factor:	1	20	1	1	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<20	<400 [1]	<20	<20	20
Aroclor-1221	<20	<400 [1]	<20	<20	20
Aroclor-1232	<20	<400 [1]	<20	<20	20
Aroclor-1242	<20	<400 [1]	<20	<20	20
Aroclor-1248	<20	**2000 [1]**	<20	<20	20
Aroclor-1254	<20	<400 [1]	<20	<20	20
Aroclor-1260	<20	<400 [1]	<20	<20	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	67.8%	66.0% [1]	69.2%	84.4%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/21/05	11/21/05	
Date Prepared:	11/23/05	11/23/05	
Date Analyzed:	11/29/05	11/29/05	
AA ID No:	5K22009-07	5K22009-08	
Client ID No:	17-SS-2.7	17-SS-6.3	
Dilution Factor:	1	1	MRL
8082 PCBs (EPA 8082)			
Aroclor-1016	<20	<20	20
Aroclor-1221	<20	<20	20
Aroclor-1232	<20	<20	20
Aroclor-1242	<20	<20	20
Aroclor-1248	<20	<20	20
Aroclor-1254	<20	<20	20
Aroclor-1260	<20	<20	20
Surrogates			**%REC Limits**
Tetrachloro-meta-xylene	71.4%	63.2%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Method: General Chemistry Analyses

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MRL
pH Measurement Soil 9045C (9045C)								
5K22009-09	22-SS-2.6	11/21/05	11/23/05	11/23/05	1	**7.5**	pH Units	
5K22009-10	22-SS-6.5	11/21/05	11/23/05	11/23/05	1	**7.6**	pH Units	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	11/21/05	11/21/05	11/21/05	11/21/05	
Date Prepared:	11/23/05	11/23/05	11/29/05	11/29/05	
Date Analyzed:	11/23/05	11/23/05	11/29/05	11/29/05	
AA ID No:	5K22009-05	5K22009-06	5K22009-07	5K22009-08	
Client ID No:	29-SS-2.8	29-SS-6.7	17-SS-2.7	17-SS-6.3	
Dilution Factor:	1	1	1	1	MRL
TPH as Stoddard Solvent (5035) (EPA 8260M/5035)					
Stoddard Solvent	<0.50	<0.50	<0.50	<0.50	0.50
Surrogates					**%REC Limits**
Toluene-d8	108%	108%	106%	108%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563015
Project No:	10627.000.0	**Date Received:**	11/21/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Sample Matrix:	Water	**Units:**	ug/L
Method:	Purgeable Volatile Organic Compounds by GC/MS		

Date Sampled:	11/21/05	
Date Prepared:	11/23/05	
Date Analyzed:	11/23/05	
AA ID No:	5K22009-01	
Client ID No:	TB-112105-01	
Dilution Factor:	1	MRL
TPH as Stoddard Solvent (EPA 8260M)		
Stoddard Solvent	<100	100
Surrogates		**%REC Limits**
Toluene-d8	102%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/21/05	11/21/05	11/21/05	11/21/05	
Date Prepared:	11/23/05	11/23/05	11/29/05	11/29/05	
Date Analyzed:	11/23/05	11/23/05	11/29/05	11/29/05	
AA ID No:	5K22009-05	5K22009-06	5K22009-07	5K22009-08	
Client ID No:	29-SS-2.8	29-SS-6.7	17-SS-2.7	17-SS-6.3	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035)					
Acetone	<50	<50	<50	<50	50
tert-Amyl Methyl Ether (TAME)	<5.0	<5.0	<5.0	<5.0	5.0
Benzene	<2.0	<2.0	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	<50	<50	50
tert-Butyl alcohol (TBA)	<20	<20	<20	<20	20
sec-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	<10	<10	10
Dibromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/21/05	11/21/05	11/21/05	11/21/05	
Date Prepared:	11/23/05	11/23/05	11/29/05	11/29/05	
Date Analyzed:	11/23/05	11/23/05	11/29/05	11/29/05	
AA ID No:	5K22009-05	5K22009-06	5K22009-07	5K22009-08	
Client ID No:	29-SS-2.8	29-SS-6.7	17-SS-2.7	17-SS-6.3	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
Diisopropyl ether (DIPE)	<5.0	<5.0	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	<2.0	<2.0	2.0
Ethyl-tert-Butyl Ether (ETBE)	<5.0	<5.0	<5.0	<5.0	5.0
Hexachlorobutadiene	<10	<10	<10	<10	10
2-Hexanone (MBK)	<50	<50	<50	<50	50
Isopropylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	<50	<50	50
Naphthalene	<10	<10	<10	<10	10
n-Propylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/21/05	11/21/05	11/21/05	11/21/05	
Date Prepared:	11/23/05	11/23/05	11/29/05	11/29/05	
Date Analyzed:	11/23/05	11/23/05	11/29/05	11/29/05	
AA ID No:	5K22009-05	5K22009-06	5K22009-07	5K22009-08	
Client ID No:	29-SS-2.8	29-SS-6.7	17-SS-2.7	17-SS-6.3	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	<5.0	**5.0**	**7.2**	5.0
Toluene	<2.0	<2.0	<2.0	**2.5**	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Trichloroethylene (TCE)	<5.0	<5.0	**92**	**94**	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	<5.0	<5.0	5.0
o-Xylene	<2.0	<2.0	<2.0	<2.0	2.0
m,p-Xylenes	<2.0	<2.0	<2.0	<2.0	2.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	104%	100%	108%	106%	80-120
Dibromofluoromethane	90.0%	88.0%	92.0%	80.0%	80-120
Toluene-d8	108%	106%	104%	110%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06
Units: ug/L

Date Sampled:	11/21/05	
Date Prepared:	11/23/05	
Date Analyzed:	11/23/05	
AA ID No:	5K22009-01	
Client ID No:	TB-112105-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B)

Acetone	<10	10
Benzene	<0.50	0.50
Bromobenzene	<0.50	0.50
Bromochloromethane	<0.50	0.50
Bromodichloromethane	<0.50	0.50
Bromoform	<0.50	0.50
Bromomethane	<0.50	0.50
2-Butanone (MEK)	<10	10
tert-Butylbenzene	<0.50	0.50
sec-Butylbenzene	<0.50	0.50
n-Butylbenzene	<0.50	0.50
Carbon Disulfide	<0.50	0.50
Carbon Tetrachloride	<0.50	0.50
Chlorobenzene	<0.50	0.50
Chloroethane	<0.50	0.50
Chloroform	<0.50	0.50
Chloromethane	<0.50	0.50
4-Chlorotoluene	<0.50	0.50
2-Chlorotoluene	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	1.0
Dibromochloromethane	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	0.50
Dibromomethane	<0.50	0.50
1,2-Dichlorobenzene	<0.50	0.50
1,4-Dichlorobenzene	<0.50	0.50
1,3-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06
Units: ug/L

Date Sampled:	11/21/05	
Date Prepared:	11/23/05	
Date Analyzed:	11/23/05	
AA ID No:	5K22009-01	
Client ID No:	TB-112105-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B) (continued)

1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
Ethylbenzene	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	<0.50	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	<2.0	2.0
n-Propylbenzene	<0.50	0.50
Styrene	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06
Units: ug/L

Date Sampled:	11/21/05	
Date Prepared:	11/23/05	
Date Analyzed:	11/23/05	
AA ID No:	5K22009-01	
Client ID No:	TB-112105-01	
Dilution Factor:	1	MRL
8260B Full List (EPA 8260B) (continued)		
Toluene	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	0.50
1,1,2-Trichloroethane	<0.50	0.50
1,1,1-Trichloroethane	<0.50	0.50
Trichloroethylene (TCE)	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	0.50
1,2,3-Trichloropropane	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	0.50
Vinyl chloride	<0.50	0.50
o-Xylene	<0.50	0.50
m,p-Xylenes	<1.0	1.0

Surrogates		**%REC Limits**
4-Bromofluorobenzene	98.0%	80-120
Dibromofluoromethane	86.0%	80-120
Toluene-d8	104%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Soluble Metals STLC by ICP

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06
Units: mg/L

Date Sampled:	11/21/05	11/21/05	
Date Prepared:	12/12/05	12/12/05	
Date Analyzed:	12/16/05	12/16/05	
AA ID No:	5K22009-04	5K22009-09	
Client ID No:	42-SS-2.2	22-SS-2.6	
Dilution Factor:	1	1	MRL
Metals STLC (EPA 6010B)			
Copper	**0.25**		0.050
Lead	**81**	**5.1**	0.10

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Total Metals CAM 17

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	11/21/05	11/21/05	11/21/05	11/21/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	12/02/05	
AA ID No:	5K22009-04	5K22009-05	5K22009-06	5K22009-09	
Client ID No:	42-SS-2.2	29-SS-2.8	29-SS-6.7	22-SS-2.6	
Dilution Factor:	1	1	1	1	MRL
Mercury Total EPA 7470A/7471A (EPA 7471A)					
Mercury	**0.063**	**0.084**	**0.061**	**0.071**	0.020

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563015
Project No:	10627.000.0	**Date Received:**	11/21/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Sample Matrix:	Soil	**Units:**	mg/kg
Method:	Total Metals CAM 17		

Date Sampled:	11/21/05	
Date Prepared:	12/02/05	
Date Analyzed:	12/02/05	
AA ID No:	5K22009-10	
Client ID No:	22-SS-6.5	
Dilution Factor:	1	MRL

Mercury Total EPA 7470A/7471A (EPA 7471A)

Mercury	**0.034**	0.020

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Total Metals CAM 17

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	11/21/05	11/21/05	11/21/05	11/21/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	12/02/05	
AA ID No:	5K22009-04	5K22009-05	5K22009-06	5K22009-09	
Client ID No:	42-SS-2.2	29-SS-2.8	29-SS-6.7	22-SS-2.6	
Dilution Factor:	1	1	1	1	MRL
CAM Metals Less Hg 6000/7000 (EPA 6010B/7000)					
Antimony	<10	<10	<10	<10	10
Arsenic	<0.50	<0.50	<0.50	<0.50	0.50
Barium	**110**	**87**	**110**	**150**	10
Beryllium	<1.0	<1.0	<1.0	<1.0	1.0
Cadmium	**1.7**	<1.0	<1.0	<1.0	1.0
Chromium	**23**	**14**	**17**	**21**	3.0
Cobalt	**4.5**	**7.7**	**8.9**	**11**	3.0
Copper	**510**	**15**	**20**	**30**	3.0
Lead	**140**	**7.7**	**11**	**82**	3.0
Molybdenum	<5.0	<5.0	<5.0	<5.0	5.0
Nickel	**12**	**5.8**	**6.9**	**10**	3.0
Selenium	<0.50	<0.50	<0.50	<0.50	0.50
Silver	<1.0	<1.0	<1.0	<1.0	1.0
Thallium	<5.0	<5.0	<5.0	<5.0	5.0
Vanadium	**23**	**35**	**42**	**46**	10
Zinc	**270**	**49**	**58**	**75**	3.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563015
Project No:	10627.000.0	**Date Received:**	11/21/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Sample Matrix:	Soil	**Units:**	mg/kg
Method:	Total Metals CAM 17		

Date Sampled:	11/21/05	
Date Prepared:	12/02/05	
Date Analyzed:	12/02/05	
AA ID No:	5K22009-10	
Client ID No:	22-SS-6.5	
Dilution Factor:	1	MRL

CAM Metals Less Hg 6000/7000 (EPA 6010B/7000)

Antimony	<10	10
Arsenic	<0.50	0.50
Barium	**120**	10
Beryllium	<1.0	1.0
Cadmium	<1.0	1.0
Chromium	**16**	3.0
Cobalt	**9.5**	3.0
Copper	**21**	3.0
Lead	**12**	3.0
Molybdenum	<5.0	5.0
Nickel	**7.1**	3.0
Selenium	<0.50	0.50
Silver	<1.0	1.0
Thallium	<5.0	5.0
Vanadium	**38**	10
Zinc	**57**	3.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
General Chemistry Analyses - Quality Control										
Batch B5L0103 - NO PREP										
Duplicate (B5L0103-DUP1)			**Source: 5K22009-09**	Prepared & Analyzed: 11/23/05						
pH	**7.46**		pH Units		7.5			0.535	30	
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5K3011 - EPA 3550B										
Blank (B5K3011-BLK1)				Prepared: 11/23/05	Analyzed: 11/29/05					
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*5.06*		*ug/kg*	*5.00*		*101*	*50-150*			
LCS (B5K3011-BS1)				Prepared: 11/23/05	Analyzed: 11/29/05					
Aroclor-1016	**44.0**	20	ug/kg	50.0		88.0	60-140			
Aroclor-1260	**46.1**	20	ug/kg	50.0		92.2	60-140			
Surrogate: Tetrachloro-meta-xylene	*5.02*		*ug/kg*	*5.00*		*100*	*50-150*			
Matrix Spike (B5K3011-MS1)			**Source: 5K18010-05**	Prepared: 11/23/05	Analyzed: 11/29/05					
Aroclor-1016	**44.1**	20	ug/kg	50.0	<20	88.2	50-150			
Aroclor-1260	**48.6**	20	ug/kg	50.0	<20	97.2	50-150			
Surrogate: Tetrachloro-meta-xylene	*4.00*		*ug/kg*	*5.00*		*80.0*	*50-150*			
Matrix Spike Dup (B5K3011-MSD1)			**Source: 5K18010-05**	Prepared: 11/23/05	Analyzed: 11/29/05					
Aroclor-1016	**44.6**	20	ug/kg	50.0	<20	89.2	50-150	1.13	40	
Aroclor-1260	**57.3**	20	ug/kg	50.0	<20	115	50-150	16.4	40	
Surrogate: Tetrachloro-meta-xylene	*3.13*		*ug/kg*	*5.00*		*62.6*	*50-150*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2816 - EPA 5035										
Blank (B5K2816-BLK1)				Prepared & Analyzed: 11/23/05						
Acetone	<50	50	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2816 - EPA 5035										
Blank (B5K2816-BLK1) Continued				Prepared & Analyzed: 11/23/05						
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							
1,1-Dichloroethane	<5.0	5.0	ug/kg							

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2816 - EPA 5035										
Blank (B5K2816-BLK1) Continued				Prepared & Analyzed: 11/23/05						
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Ethyl-tert-Butyl Ether (ETBE)	<5.0	5.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2816 - EPA 5035										
Blank (B5K2816-BLK1) Continued				Prepared & Analyzed: 11/23/05						
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*101*		*ug/kg*	*100*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*95.6*		*ug/kg*	*100*		*95.6*	*80-120*			
Surrogate: Toluene-d8	*103*		*ug/kg*	*100*		*103*	*80-120*			
LCS (B5K2816-BS1)				Prepared & Analyzed: 11/23/05						
Benzene	**39.2**	2.0	ug/kg	40.0		98.0	75-125			
Bromodichloromethane	**35.6**	5.0	ug/kg	40.0		89.0	75-125			
Bromoform	**34.0**	5.0	ug/kg	40.0		85.0	75-125			
Carbon Tetrachloride	**28.0**	5.0	ug/kg	40.0		70.0	75-125			
Chlorobenzene	**41.0**	5.0	ug/kg	40.0		102	75-125			
Chloroethane	**36.0**	5.0	ug/kg	40.0		90.0	75-125			
Chloroform	**36.4**	5.0	ug/kg	40.0		91.0	75-125			
Chloromethane	**39.6**	5.0	ug/kg	40.0		99.0	75-125			
Dibromochloromethane	**37.6**	5.0	ug/kg	40.0		94.0	75-125			
1,4-Dichlorobenzene	**41.0**	5.0	ug/kg	40.0		102	75-125			
1,1-Dichloroethane	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
1,2-Dichloroethane (EDC)	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
trans-1,2-Dichloroethylene	**36.4**	5.0	ug/kg	40.0		91.0	75-125			
cis-1,2-Dichloroethylene	**38.6**	5.0	ug/kg	40.0		96.5	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2816 - EPA 5035										
LCS (B5K2816-BS1) Continued				Prepared & Analyzed: 11/23/05						
1,1-Dichloroethylene	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
1,2-Dichloropropane	**38.8**	5.0	ug/kg	40.0		97.0	75-125			
cis-1,3-Dichloropropylene	**36.6**	5.0	ug/kg	40.0		91.5	75-125			
Ethylbenzene	**40.4**	2.0	ug/kg	40.0		101	75-125			
Methyl-tert-Butyl Ether (MTBE)	**36.6**	5.0	ug/kg	40.0		91.5	75-125			
Methylene Chloride	**40.4**	50	ug/kg	40.0		101	75-125			
n-Propylbenzene	**43.0**	5.0	ug/kg	40.0		108	75-125			
1,1,2,2-Tetrachloroethane	**41.2**	5.0	ug/kg	40.0		103	75-125			
Tetrachloroethylene (PCE)	**42.0**	5.0	ug/kg	40.0		105	75-125			
Toluene	**41.0**	2.0	ug/kg	40.0		102	75-125			
1,1,2-Trichloroethane	**40.6**	5.0	ug/kg	40.0		102	75-125			
1,1,1-Trichloroethane	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
Trichloroethylene (TCE)	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
Vinyl chloride	**42.6**	5.0	ug/kg	40.0		106	75-125			
o-Xylene	**40.2**	2.0	ug/kg	40.0		100	75-125			
Surrogate: 4-Bromofluorobenzene	*102*		*ug/kg*	*100*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*89.4*		*ug/kg*	*100*		*89.4*	*80-120*			
Surrogate: Toluene-d8	*102*		*ug/kg*	*100*		*102*	*80-120*			
LCS Dup (B5K2816-BSD1)				Prepared & Analyzed: 11/23/05						
Benzene	**41.2**	2.0	ug/kg	40.0		103	75-125	4.98	40	
Bromodichloromethane	**36.8**	5.0	ug/kg	40.0		92.0	75-125	3.31	40	
Bromoform	**34.4**	5.0	ug/kg	40.0		86.0	75-125	1.17	40	
Carbon Tetrachloride	**33.2**	5.0	ug/kg	40.0		83.0	75-125	17.0	40	
Chlorobenzene	**41.0**	5.0	ug/kg	40.0		102	75-125	0.00	40	
Chloroethane	**37.8**	5.0	ug/kg	40.0		94.5	75-125	4.88	40	
Chloroform	**37.0**	5.0	ug/kg	40.0		92.5	75-125	1.63	40	
Chloromethane	**44.0**	5.0	ug/kg	40.0		110	75-125	10.5	40	
Dibromochloromethane	**39.0**	5.0	ug/kg	40.0		97.5	75-125	3.66	40	
1,4-Dichlorobenzene	**41.0**	5.0	ug/kg	40.0		102	75-125	0.00	40	
1,1-Dichloroethane	**37.4**	5.0	ug/kg	40.0		93.5	75-125	3.26	40	
1,2-Dichloroethane (EDC)	**36.2**	5.0	ug/kg	40.0		90.5	75-125	4.32	40	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
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Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2816 - EPA 5035										
LCS Dup (B5K2816-BSD1) Continued				Prepared & Analyzed: 11/23/05						
trans-1,2-Dichloroethylene	**36.8**	5.0	ug/kg	40.0		92.0	75-125	1.09	40	
cis-1,2-Dichloroethylene	**39.2**	5.0	ug/kg	40.0		98.0	75-125	1.54	40	
1,1-Dichloroethylene	**37.6**	5.0	ug/kg	40.0		94.0	75-125	2.15	40	
1,2-Dichloropropane	**39.8**	5.0	ug/kg	40.0		99.5	75-125	2.54	40	
cis-1,3-Dichloropropylene	**39.0**	5.0	ug/kg	40.0		97.5	75-125	6.35	40	
Ethylbenzene	**40.4**	2.0	ug/kg	40.0		101	75-125	0.00	40	
Methyl-tert-Butyl Ether (MTBE)	**35.4**	5.0	ug/kg	40.0		88.5	75-125	3.33	40	
Methylene Chloride	**41.4**	50	ug/kg	40.0		104	75-125	2.44	40	
n-Propylbenzene	**41.6**	5.0	ug/kg	40.0		104	75-125	3.31	40	
1,1,2,2-Tetrachloroethane	**42.8**	5.0	ug/kg	40.0		107	75-125	3.81	40	
Tetrachloroethylene (PCE)	**42.2**	5.0	ug/kg	40.0		106	75-125	0.475	40	
Toluene	**40.4**	2.0	ug/kg	40.0		101	75-125	1.47	40	
1,1,2-Trichloroethane	**41.8**	5.0	ug/kg	40.0		104	75-125	2.91	40	
1,1,1-Trichloroethane	**37.2**	5.0	ug/kg	40.0		93.0	75-125	1.08	40	
Trichloroethylene (TCE)	**41.6**	5.0	ug/kg	40.0		104	75-125	9.57	40	
Vinyl chloride	**44.2**	5.0	ug/kg	40.0		110	75-125	3.69	40	
o-Xylene	**40.2**	2.0	ug/kg	40.0		100	75-125	0.00	40	
Surrogate: 4-Bromofluorobenzene	*99.8*		*ug/kg*	*100*		*99.8*	*80-120*			
Surrogate: Dibromofluoromethane	*93.4*		*ug/kg*	*100*		*93.4*	*80-120*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*80-120*			
Batch B5K2821 - EPA 5030B										
Blank (B5K2821-BLK1)				Prepared & Analyzed: 11/23/05						
Acetone	<10	10	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2821 - EPA 5030B										
Blank (B5K2821-BLK1) Continued				Prepared & Analyzed: 11/23/05						
tert-Butylbenzene	<0.50	0.50	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2821 - EPA 5030B										
Blank (B5K2821-BLK1) Continued				Prepared & Analyzed: 11/23/05						
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2821 - EPA 5030B										
Blank (B5K2821-BLK1) Continued				Prepared & Analyzed: 11/23/05						
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*50.3*		*ug/L*	*50.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*47.8*		*ug/L*	*50.0*		*95.6*	*80-120*			
Surrogate: Toluene-d8	*51.7*		*ug/L*	*50.0*		*103*	*80-120*			
LCS (B5K2821-BS1)				Prepared & Analyzed: 11/23/05						
Benzene	**19.6**	0.50	ug/L	20.0		98.0	75-125			
Bromodichloromethane	**17.8**	0.50	ug/L	20.0		89.0	75-125			
Bromoform	**17.0**	0.50	ug/L	20.0		85.0	75-125			
Carbon Tetrachloride	**14.0**	0.50	ug/L	20.0		70.0	75-125			
Chlorobenzene	**20.5**	0.50	ug/L	20.0		102	75-125			
Chloroethane	**18.0**	0.50	ug/L	20.0		90.0	75-125			
Chloroform	**18.2**	0.50	ug/L	20.0		91.0	75-125			
Chloromethane	**19.8**	0.50	ug/L	20.0		99.0	75-125			
Dibromochloromethane	**18.8**	0.50	ug/L	20.0		94.0	75-125			
1,4-Dichlorobenzene	**20.5**	0.50	ug/L	20.0		102	75-125			
1,1-Dichloroethane	**18.1**	0.50	ug/L	20.0		90.5	75-125			
1,2-Dichloroethane (EDC)	**18.9**	0.50	ug/L	20.0		94.5	75-125			
cis-1,2-Dichloroethylene	**19.3**	0.50	ug/L	20.0		96.5	75-125			
trans-1,2-Dichloroethylene	**18.2**	0.50	ug/L	20.0		91.0	75-125			
1,1-Dichloroethylene	**18.4**	0.50	ug/L	20.0		92.0	75-125			
1,2-Dichloropropane	**19.4**	0.50	ug/L	20.0		97.0	75-125			
cis-1,3-Dichloropropylene	**18.3**	0.50	ug/L	20.0		91.5	75-125			
Ethylbenzene	**20.2**	0.50	ug/L	20.0		101	75-125			
Methyl-tert-Butyl Ether (MTBE)	**18.3**	2.0	ug/L	20.0		91.5	75-125			
Methylene Chloride	**20.2**	5.0	ug/L	20.0		101	75-125			
1,1,2,2-Tetrachloroethane	**20.6**	0.50	ug/L	20.0		103	75-125			
Tetrachloroethylene (PCE)	**21.0**	0.50	ug/L	20.0		105	75-125			
Toluene	**20.5**	0.50	ug/L	20.0		102	75-125			
1,1,2-Trichloroethane	**20.3**	0.50	ug/L	20.0		102	75-125			
1,1,1-Trichloroethane	**18.4**	0.50	ug/L	20.0		92.0	75-125			
Trichloroethylene (TCE)	**18.9**	0.50	ug/L	20.0		94.5	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2821 - EPA 5030B										
LCS (B5K2821-BS1) Continued				Prepared & Analyzed: 11/23/05						
Vinyl chloride	**21.3**	0.50	ug/L	20.0		106	75-125			
o-Xylene	**20.1**	0.50	ug/L	20.0		100	75-125			
Surrogate: 4-Bromofluorobenzene	*50.8*		*ug/L*	*50.0*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*44.7*		*ug/L*	*50.0*		*89.4*	*80-120*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50.0*		*102*	*80-120*			
LCS Dup (B5K2821-BSD1)				Prepared & Analyzed: 11/23/05						
Benzene	**20.6**	0.50	ug/L	20.0		103	75-125	4.98	30	
Bromodichloromethane	**18.4**	0.50	ug/L	20.0		92.0	75-125	3.31	30	
Bromoform	**17.2**	0.50	ug/L	20.0		86.0	75-125	1.17	30	
Carbon Tetrachloride	**16.6**	0.50	ug/L	20.0		83.0	75-125	17.0	30	
Chlorobenzene	**20.5**	0.50	ug/L	20.0		102	75-125	0.00	30	
Chloroethane	**18.9**	0.50	ug/L	20.0		94.5	75-125	4.88	30	
Chloroform	**18.5**	0.50	ug/L	20.0		92.5	75-125	1.63	30	
Chloromethane	**22.0**	0.50	ug/L	20.0		110	75-125	10.5	30	
Dibromochloromethane	**19.5**	0.50	ug/L	20.0		97.5	75-125	3.66	30	
1,4-Dichlorobenzene	**20.5**	0.50	ug/L	20.0		102	75-125	0.00	30	
1,1-Dichloroethane	**18.7**	0.50	ug/L	20.0		93.5	75-125	3.26	30	
1,2-Dichloroethane (EDC)	**18.1**	0.50	ug/L	20.0		90.5	75-125	4.32	30	
cis-1,2-Dichloroethylene	**19.6**	0.50	ug/L	20.0		98.0	75-125	1.54	30	
trans-1,2-Dichloroethylene	**18.4**	0.50	ug/L	20.0		92.0	75-125	1.09	30	
1,1-Dichloroethylene	**18.8**	0.50	ug/L	20.0		94.0	75-125	2.15	30	
1,2-Dichloropropane	**19.9**	0.50	ug/L	20.0		99.5	75-125	2.54	30	
cis-1,3-Dichloropropylene	**19.5**	0.50	ug/L	20.0		97.5	75-125	6.35	30	
Ethylbenzene	**20.2**	0.50	ug/L	20.0		101	75-125	0.00	30	
Methyl-tert-Butyl Ether (MTBE)	**17.7**	2.0	ug/L	20.0		88.5	75-125	3.33	30	
Methylene Chloride	**20.7**	5.0	ug/L	20.0		104	75-125	2.44	30	
1,1,2,2-Tetrachloroethane	**21.4**	0.50	ug/L	20.0		107	75-125	3.81	30	
Tetrachloroethylene (PCE)	**21.1**	0.50	ug/L	20.0		106	75-125	0.475	30	
Toluene	**20.2**	0.50	ug/L	20.0		101	75-125	1.47	30	
1,1,2-Trichloroethane	**20.9**	0.50	ug/L	20.0		104	75-125	2.91	30	
1,1,1-Trichloroethane	**18.6**	0.50	ug/L	20.0		93.0	75-125	1.08	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2821 - EPA 5030B										
LCS Dup (B5K2821-BSD1) Continued				Prepared & Analyzed: 11/23/05						
Trichloroethylene (TCE)	**20.8**	0.50	ug/L	20.0		104	75-125	9.57	30	
Vinyl chloride	**22.1**	0.50	ug/L	20.0		110	75-125	3.69	30	
o-Xylene	**20.1**	0.50	ug/L	20.0		100	75-125	0.00	30	
Surrogate: 4-Bromofluorobenzene	*49.9*		*ug/L*	*50.0*		*99.8*	*80-120*			
Surrogate: Dibromofluoromethane	*46.7*		*ug/L*	*50.0*		*93.4*	*80-120*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50.0*		*101*	*80-120*			
Batch B5K3019 - EPA 5035										
Blank (B5K3019-BLK1)				Prepared & Analyzed: 11/29/05						
Acetone	<50	50	ug/kg							
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Blank (B5K3019-BLK1) Continued				Prepared & Analyzed: 11/29/05						
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Ethyl-tert-Butyl Ether (ETBE)	<5.0	5.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Blank (B5K3019-BLK1) Continued				Prepared & Analyzed: 11/29/05						
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*101*		*ug/kg*	*100*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*92.2*		*ug/kg*	*100*		*92.2*	*80-120*			
Surrogate: Toluene-d8	*100*		*ug/kg*	*100*		*100*	*80-120*			
LCS (B5K3019-BS1)				Prepared & Analyzed: 11/29/05						
Benzene	**38.4**	2.0	ug/kg	40.0		96.0	75-125			
Bromodichloromethane	**34.6**	5.0	ug/kg	40.0		86.5	75-125			
Bromoform	**30.8**	5.0	ug/kg	40.0		77.0	75-125			
Carbon Tetrachloride	**37.4**	5.0	ug/kg	40.0		93.5	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
LCS (B5K3019-BS1) Continued				Prepared & Analyzed: 11/29/05						
Chlorobenzene	**39.6**	5.0	ug/kg	40.0		99.0	75-125			
Chloroethane	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
Chloroform	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
Chloromethane	**43.0**	5.0	ug/kg	40.0		108	75-125			
Dibromochloromethane	**35.2**	5.0	ug/kg	40.0		88.0	75-125			
1,4-Dichlorobenzene	**39.2**	5.0	ug/kg	40.0		98.0	75-125			
1,1-Dichloroethane	**36.6**	5.0	ug/kg	40.0		91.5	75-125			
1,2-Dichloroethane (EDC)	**34.4**	5.0	ug/kg	40.0		86.0	75-125			
trans-1,2-Dichloroethylene	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
cis-1,2-Dichloroethylene	**39.2**	5.0	ug/kg	40.0		98.0	75-125			
1,1-Dichloroethylene	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
1,2-Dichloropropane	**37.4**	5.0	ug/kg	40.0		93.5	75-125			
cis-1,3-Dichloropropylene	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
Ethylbenzene	**39.4**	2.0	ug/kg	40.0		98.5	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.8**	5.0	ug/kg	40.0		89.5	75-125			
Methylene Chloride	**42.8**	50	ug/kg	40.0		107	75-125			
n-Propylbenzene	**42.6**	5.0	ug/kg	40.0		106	75-125			
1,1,2,2-Tetrachloroethane	**38.6**	5.0	ug/kg	40.0		96.5	75-125			
Tetrachloroethylene (PCE)	**40.6**	5.0	ug/kg	40.0		102	75-125			
Toluene	**40.0**	2.0	ug/kg	40.0		100	75-125			
1,1,2-Trichloroethane	**37.0**	5.0	ug/kg	40.0		92.5	75-125			
1,1,1-Trichloroethane	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
Trichloroethylene (TCE)	**39.8**	5.0	ug/kg	40.0		99.5	75-125			
Vinyl chloride	**42.2**	5.0	ug/kg	40.0		106	75-125			
o-Xylene	**38.4**	2.0	ug/kg	40.0		96.0	75-125			
Surrogate: 4-Bromofluorobenzene	*100*		*ug/kg*	*100*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*92.4*		*ug/kg*	*100*		*92.4*	*80-120*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*80-120*			
Matrix Spike (B5K3019-MS1)				**Source: 5K29001-05** Prepared & Analyzed: 11/29/05						
Benzene	**39.6**	2.0	ug/kg	40.0	<2.0	99.0	70-130			
Bromoform	**30.6**	5.0	ug/kg	40.0	<5.0	76.5	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Matrix Spike (B5K3019-MS1) Continued Source: 5K29001-05 Prepared & Analyzed: 11/29/05										
Chlorobenzene	**44.4**	5.0	ug/kg	40.0	<5.0	111	70-130			
Chloroform	**35.4**	5.0	ug/kg	40.0	<5.0	88.5	70-130			
1,1-Dichloroethane	**35.6**	5.0	ug/kg	40.0	<5.0	89.0	70-130			
cis-1,2-Dichloroethylene	**38.4**	5.0	ug/kg	40.0	<5.0	96.0	70-130			
1,1-Dichloroethylene	**42.4**	5.0	ug/kg	40.0	<5.0	106	70-130			
1,2-Dichloropropane	**37.4**	5.0	ug/kg	40.0	<5.0	93.5	70-130			
Ethylbenzene	**44.6**	2.0	ug/kg	40.0	<2.0	112	70-130			
Methyl-tert-Butyl Ether (MTBE)	**34.8**	5.0	ug/kg	40.0	<5.0	87.0	70-130			
n-Propylbenzene	**47.2**	5.0	ug/kg	40.0	<5.0	118	70-130			
Tetrachloroethylene (PCE)	**46.0**	5.0	ug/kg	40.0	<5.0	115	70-130			
Toluene	**44.8**	2.0	ug/kg	40.0	<2.0	112	70-130			
1,1,1-Trichloroethane	**38.8**	5.0	ug/kg	40.0	<5.0	97.0	70-130			
Trichloroethylene (TCE)	**41.8**	5.0	ug/kg	40.0	<5.0	104	70-130			
1,3,5-Trimethylbenzene	**45.0**	5.0	ug/kg	40.0	<5.0	112	70-130			
Vinyl chloride	**43.4**	5.0	ug/kg	40.0	<5.0	108	70-130			
Surrogate: 4-Bromofluorobenzene	*108*		*ug/kg*	*100*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*91.0*		*ug/kg*	*100*		*91.0*	*80-120*			
Surrogate: Toluene-d8	*112*		*ug/kg*	*100*		*112*	*80-120*			
Matrix Spike Dup (B5K3019-MSD1) Source: 5K29001-05 Prepared & Analyzed: 11/29/05										
Benzene	**37.8**	2.0	ug/kg	40.0	<2.0	94.5	70-130	4.65	40	
Bromoform	**32.8**	5.0	ug/kg	40.0	<5.0	82.0	70-130	6.94	40	
Chlorobenzene	**40.6**	5.0	ug/kg	40.0	<5.0	102	70-130	8.94	40	
Chloroform	**35.6**	5.0	ug/kg	40.0	<5.0	89.0	70-130	0.563	40	
1,1-Dichloroethane	**35.2**	5.0	ug/kg	40.0	<5.0	88.0	70-130	1.13	40	
cis-1,2-Dichloroethylene	**39.0**	5.0	ug/kg	40.0	<5.0	97.5	70-130	1.55	40	
1,1-Dichloroethylene	**36.2**	5.0	ug/kg	40.0	<5.0	90.5	70-130	15.8	40	
1,2-Dichloropropane	**37.0**	5.0	ug/kg	40.0	<5.0	92.5	70-130	1.08	40	
Ethylbenzene	**40.0**	2.0	ug/kg	40.0	<2.0	100	70-130	10.9	40	
Methyl-tert-Butyl Ether (MTBE)	**33.8**	5.0	ug/kg	40.0	<5.0	84.5	70-130	2.92	40	
n-Propylbenzene	**41.4**	5.0	ug/kg	40.0	<5.0	104	70-130	13.1	40	
Tetrachloroethylene (PCE)	**40.8**	5.0	ug/kg	40.0	<5.0	102	70-130	12.0	40	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Matrix Spike Dup (B5K3019-MSD1) Continued				**Source: 5K29001-05**	Prepared & Analyzed: 11/29/05					
Toluene	**40.6**	2.0	ug/kg	40.0	<2.0	102	70-130	9.84	40	
1,1,1-Trichloroethane	**36.6**	5.0	ug/kg	40.0	<5.0	91.5	70-130	5.84	40	
Trichloroethylene (TCE)	**39.2**	5.0	ug/kg	40.0	<5.0	98.0	70-130	6.42	40	
1,3,5-Trimethylbenzene	**39.4**	5.0	ug/kg	40.0	<5.0	98.5	70-130	13.3	40	
Vinyl chloride	**42.0**	5.0	ug/kg	40.0	<5.0	105	70-130	3.28	40	
Surrogate: 4-Bromofluorobenzene	*107*		*ug/kg*	*100*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*96.6*		*ug/kg*	*100*		*96.6*	*80-120*			
Surrogate: Toluene-d8	*106*		*ug/kg*	*100*		*106*	*80-120*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2820 - EPA 5035										
Blank (B5K2820-BLK1)				Prepared & Analyzed: 11/23/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.104*		*mg/kg*	*0.100*		*104*	*80-120*			
LCS (B5K2820-BS1)				Prepared & Analyzed: 11/23/05						
Stoddard Solvent	**1.08**	0.50	mg/kg	1.00		108	75-125			
Surrogate: Toluene-d8	*0.0936*		*mg/kg*	*0.100*		*93.6*	*80-120*			
LCS Dup (B5K2820-BSD1)				Prepared & Analyzed: 11/23/05						
Stoddard Solvent	**1.10**	0.50	mg/kg	1.00		110	75-125	1.83	30	
Surrogate: Toluene-d8	*0.0890*		*mg/kg*	*0.100*		*89.0*	*80-120*			
Batch B5K2822 - EPA 5030B										
Blank (B5K2822-BLK1)				Prepared & Analyzed: 11/23/05						
Stoddard Solvent	<100	100	ug/L							
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.0*		*104*	*80-120*			
LCS (B5K2822-BS1)				Prepared & Analyzed: 11/23/05						
Stoddard Solvent	**540**	100	ug/L	500		108	75-125			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.0*		*93.6*	*80-120*			
LCS Dup (B5K2822-BSD1)				Prepared & Analyzed: 11/23/05						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K2822 - EPA 5030B										
LCS Dup (B5K2822-BSD1) Continued				Prepared & Analyzed: 11/23/05						
Stoddard Solvent	**550**	100	ug/L	500		110	75-125	1.83	30	
Surrogate: Toluene-d8	*44.5*		*ug/L*	*50.0*		*89.0*	*80-120*			
Batch B5K3027 - EPA 5035										
Blank (B5K3027-BLK1)				Prepared & Analyzed: 11/29/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.0992*		*mg/kg*	*0.100*		*99.2*	*80-120*			
LCS (B5K3027-BS1)				Prepared & Analyzed: 11/29/05						
Stoddard Solvent	**1.04**	0.50	mg/kg	1.00		104	75-125			
Surrogate: Toluene-d8	*0.0982*		*mg/kg*	*0.100*		*98.2*	*80-120*			
LCS Dup (B5K3027-BSD1)				Prepared & Analyzed: 11/29/05						
Stoddard Solvent	**1.10**	0.50	mg/kg	1.00		110	75-125	5.61	30	
Surrogate: Toluene-d8	*0.0964*		*mg/kg*	*0.100*		*96.4*	*80-120*			
Total Metals CAM 17 - Quality Control										
Batch B5L0516 - EPA 3050B										
Blank (B5L0516-BLK1)				Prepared & Analyzed: 12/02/05						
Antimony	<10	10	mg/kg							
Arsenic	<0.50	0.50	mg/kg							
Barium	<10	10	mg/kg							
Beryllium	<1.0	1.0	mg/kg							
Cadmium	<1.0	1.0	mg/kg							
Chromium	<3.0	3.0	mg/kg							
Cobalt	<3.0	3.0	mg/kg							
Copper	<3.0	3.0	mg/kg							
Lead	<3.0	3.0	mg/kg							
Molybdenum	<5.0	5.0	mg/kg							
Nickel	<3.0	3.0	mg/kg							
Selenium	<0.50	0.50	mg/kg							
Silver	<1.0	1.0	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B5L0516 - EPA 3050B										
Blank (B5L0516-BLK1) Continued				Prepared & Analyzed: 12/02/05						
Thallium	<5.0	5.0	mg/kg							
Vanadium	<10	10	mg/kg							
Zinc	<3.0	3.0	mg/kg							
LCS (B5L0516-BS1)				Prepared & Analyzed: 12/02/05						
Antimony	**51.3**	10	mg/kg	50.0		103	80-120			
Arsenic	**50.8**	0.50	mg/kg	50.0		102	80-120			
Barium	**49.9**	10	mg/kg	50.0		99.8	80-120			
Beryllium	**50.9**	1.0	mg/kg	50.0		102	80-120			
Cadmium	**50.0**	1.0	mg/kg	50.0		100	80-120			
Chromium	**50.4**	3.0	mg/kg	50.0		101	80-120			
Cobalt	**51.0**	3.0	mg/kg	50.0		102	80-120			
Copper	**50.9**	3.0	mg/kg	50.0		102	80-120			
Lead	**50.5**	3.0	mg/kg	50.0		101	80-120			
Molybdenum	**51.5**	5.0	mg/kg	50.0		103	80-120			
Nickel	**50.0**	3.0	mg/kg	50.0		100	80-120			
Selenium	**51.4**	0.50	mg/kg	50.0		103	80-120			
Silver	**51.0**	1.0	mg/kg	50.0		102	80-120			
Thallium	**50.3**	5.0	mg/kg	50.0		101	80-120			
Vanadium	**50.8**	10	mg/kg	50.0		102	80-120			
Zinc	**51.2**	3.0	mg/kg	50.0		102	80-120			
LCS Dup (B5L0516-BSD1)				Prepared & Analyzed: 12/02/05						
Antimony	**51.6**	10	mg/kg	50.0		103	80-120	0.583	20	
Arsenic	**51.2**	0.50	mg/kg	50.0		102	80-120	0.784	20	
Barium	**50.0**	10	mg/kg	50.0		100	80-120	0.200	20	
Beryllium	**51.2**	1.0	mg/kg	50.0		102	80-120	0.588	20	
Cadmium	**50.4**	1.0	mg/kg	50.0		101	80-120	0.797	20	
Chromium	**50.7**	3.0	mg/kg	50.0		101	80-120	0.593	20	
Cobalt	**51.4**	3.0	mg/kg	50.0		103	80-120	0.781	20	
Copper	**51.2**	3.0	mg/kg	50.0		102	80-120	0.588	20	
Lead	**51.0**	3.0	mg/kg	50.0		102	80-120	0.985	20	
Molybdenum	**52.2**	5.0	mg/kg	50.0		104	80-120	1.35	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B5L0516 - EPA 3050B										
LCS Dup (B5L0516-BSD1) Continued				Prepared & Analyzed: 12/02/05						
Nickel	**50.4**	3.0	mg/kg	50.0		101	80-120	0.797	20	
Selenium	**51.8**	0.50	mg/kg	50.0		104	80-120	0.775	20	
Silver	**51.4**	1.0	mg/kg	50.0		103	80-120	0.781	20	
Thallium	**50.6**	5.0	mg/kg	50.0		101	80-120	0.595	20	
Vanadium	**51.0**	10	mg/kg	50.0		102	80-120	0.393	20	
Zinc	**51.6**	3.0	mg/kg	50.0		103	80-120	0.778	20	
Matrix Spike (B5L0516-MS1)		**Source: 5K22009-04**		Prepared & Analyzed: 12/02/05						
Antimony	**50.9**	10	mg/kg	50.0	<10	102	75-125			
Arsenic	**48.6**	0.50	mg/kg	50.0	<0.50	97.2	75-125			
Barium	**164**	10	mg/kg	50.0	110	108	75-125			
Beryllium	**51.1**	1.0	mg/kg	50.0	<1.0	102	75-125			
Cadmium	**47.8**	1.0	mg/kg	50.0	1.7	92.2	75-125			
Chromium	**71.4**	3.0	mg/kg	50.0	23	96.8	75-125			
Cobalt	**53.6**	3.0	mg/kg	50.0	4.5	98.2	75-125			
Copper	**562**	3.0	mg/kg	50.0	510	104	75-125			
Lead	**186**	3.0	mg/kg	50.0	140	92.0	75-125			
Molybdenum	**51.2**	5.0	mg/kg	50.0	<5.0	102	75-125			
Nickel	**59.4**	3.0	mg/kg	50.0	12	94.8	75-125			
Selenium	**45.5**	0.50	mg/kg	50.0	<0.50	91.0	75-125			
Silver	**54.5**	1.0	mg/kg	50.0	<1.0	109	75-125			
Thallium	**49.4**	5.0	mg/kg	50.0	<5.0	98.8	75-125			
Vanadium	**72.9**	10	mg/kg	50.0	23	99.8	75-125			
Zinc	**309**	3.0	mg/kg	50.0	270	78.0	75-125			
Matrix Spike Dup (B5L0516-MSD1)		**Source: 5K22009-04**		Prepared & Analyzed: 12/02/05						
Antimony	**50.2**	10	mg/kg	50.0	<10	100	75-125	1.38	40	
Arsenic	**48.0**	0.50	mg/kg	50.0	<0.50	96.0	75-125	1.24	40	
Barium	**162**	10	mg/kg	50.0	110	104	75-125	1.23	40	
Beryllium	**50.4**	1.0	mg/kg	50.0	<1.0	101	75-125	1.38	40	
Cadmium	**47.3**	1.0	mg/kg	50.0	1.7	91.2	75-125	1.05	40	
Chromium	**70.5**	3.0	mg/kg	50.0	23	95.0	75-125	1.27	40	
Cobalt	**52.8**	3.0	mg/kg	50.0	4.5	96.6	75-125	1.50	40	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B5L0516 - EPA 3050B										
Matrix Spike Dup (B5L0516-MSD1) Continued				**Source: 5K22009-04**	Prepared & Analyzed: 12/02/05					
Copper	**552**	3.0	mg/kg	50.0	510	84.0	75-125	1.80	40	
Lead	**184**	3.0	mg/kg	50.0	140	88.0	75-125	1.08	40	
Molybdenum	**50.9**	5.0	mg/kg	50.0	<5.0	102	75-125	0.588	40	
Nickel	**58.6**	3.0	mg/kg	50.0	12	93.2	75-125	1.36	40	
Selenium	**45.2**	0.50	mg/kg	50.0	<0.50	90.4	75-125	0.662	40	
Silver	**53.8**	1.0	mg/kg	50.0	<1.0	108	75-125	1.29	40	
Thallium	**48.4**	5.0	mg/kg	50.0	<5.0	96.8	75-125	2.04	40	
Vanadium	**71.8**	10	mg/kg	50.0	23	97.6	75-125	1.52	40	
Zinc	**306**	3.0	mg/kg	50.0	270	72.0	75-125	0.976	40	
Total Metals CAM 17 - Quality Control										
Batch B5L0517 - EPA 7471A Prep										
Blank (B5L0517-BLK1)				Prepared & Analyzed: 12/02/05						
Mercury	<0.020	0.020	mg/kg							
LCS (B5L0517-BS1)				Prepared & Analyzed: 12/02/05						
Mercury	**0.966**	0.020	mg/kg	1.00		96.6	85-115			
LCS Dup (B5L0517-BSD1)				Prepared & Analyzed: 12/02/05						
Mercury	**0.953**	0.020	mg/kg	1.00		95.3	85-115	1.35	25	
Matrix Spike (B5L0517-MS1)				**Source: 5K22009-04**	Prepared & Analyzed: 12/02/05					
Mercury	**1.02**	0.020	mg/kg	1.00	0.063	95.7	75-125			
Matrix Spike Dup (B5L0517-MSD1)				**Source: 5K22009-04**	Prepared & Analyzed: 12/02/05					
Mercury	**1.02**	0.020	mg/kg	1.00	0.063	95.7	75-125	0.00	25	
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K3017 - EPA 3550B										
Blank (B5K3017-BLK1)				Prepared & Analyzed: 11/29/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K3017 - EPA 3550B										
Blank (B5K3017-BLK1) Continued				Prepared & Analyzed: 11/29/05						
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*11.7*		*mg/kg*	*10.0*		*117*	*50-150*			
LCS (B5K3017-BS1)				Prepared & Analyzed: 11/29/05						
Diesel Range Organics as Diesel	**177**		mg/kg	200		88.5	75-125			
Surrogate: o-Terphenyl	*12.6*		*mg/kg*	*10.0*		*126*	*50-150*			
Matrix Spike (B5K3017-MS1)		**Source: 5K29001-05**		Prepared & Analyzed: 11/29/05						
Diesel Range Organics as Diesel	**178**		mg/kg	200	0.0	89.0	70-130			
Surrogate: o-Terphenyl	*11.2*		*mg/kg*	*10.0*		*112*	*50-150*			
Matrix Spike Dup (B5K3017-MSD1)		**Source: 5K29001-05**		Prepared & Analyzed: 11/29/05						
Diesel Range Organics as Diesel	**161**		mg/kg	200	0.0	80.5	70-130	10.0	40	
Surrogate: o-Terphenyl	*12.0*		*mg/kg*	*10.0*		*120*	*50-150*			
Soluble Metals STLC by ICP - Quality Control										
Batch B5L1424 - EPA 3010A										
Blank (B5L1424-BLK1)				Prepared: 12/12/05 Analyzed: 12/16/05						
Copper	<0.050	0.050	mg/L							
Lead	<0.10	0.10	mg/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Soluble Metals STLC by ICP - Quality Control										
Batch B5L1424 - EPA 3010A										
LCS (B5L1424-BS1)				Prepared: 12/12/05		Analyzed: 12/16/05				
Copper	**0.997**	0.050	mg/L	1.00		99.7	80-120			
Lead	**1.00**	0.10	mg/L	1.00		100	80-120			
LCS Dup (B5L1424-BSD1)				Prepared: 12/12/05		Analyzed: 12/16/05				
Copper	**0.996**	0.050	mg/L	1.00		99.6	80-120	0.100	20	
Lead	**0.998**	0.10	mg/L	1.00		99.8	80-120	0.200	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563015
Date Received: 11/21/05
Date Reported: 01/12/06

Special Notes

[1] = **SP1** : The sample required dilution due to high analyte concentration and/or matrix interferences.

Viorel Vasile
Operations Manager

MB563015 / SK22009

Chain-of-Custody Record

12762

Date: 11/21/05

Project No.: 10627.000.0

Samplers (Signatures): Thot Naing, Tamara Yuen

ANALYSES

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCBs (8082)	Metals (6010B)**	VOCs (8260B)*	pH	TTLC Carbon Chain 8015B modified	STLC CJ	STLC Pb		Acidified	No. of containers
11/21/05	—	Temp-112105-01	W																5°C	—	1
—	—	TB-112105-01	W											X					SK22009-01	Z	2
—	0835	74-SS-2.9	S									X				H			-02		1
—	0920	41-SS-2.6	S									X				H			-03		1
—	1110	42-SS-2.2	S								TN	X	X				⊗	⊗	-04		1
—	1205	29-SS-2.8	S									X	X	X		X			-05		4
—	1230	29-SS-6.7	S									X	X	X		X			-06		4
—	1335	17-SS-2.7	S									X		⊗					-07		4
—	1350	17-SS-6.3	S									⊗		⊗					-08		4
—	1415	22-SS-2.6	S										X		X			⊗	-09		1
—	1430	22-SS-6.5	S										X		X				-10		1

REMARKS

Additional Comments

Notes to lab

H: Hold (Do not analyze)

Important:

For soil samples from acetate sleeves, use from "BLACK" cap end of sleeve.

** Metals includes mercury

* 8260B/5035

⊗: added on 12/9/05, per Ana Gonzalez, Geomatrix

Turnaround Time: 5-day TAT for TPH, Standard TAT for others

Results To: Linda Conlan / Paula Delong

Total No. of containers: 24

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Method of shipment:
Thot Naing	11/21/05	Keith W. Zolezzi	11/21/05			Lab Courier (Driver)
Printed Name: Thot Naing	Time:	Printed Name: Keith Zolezzi	Time:	Printed Name:	Time:	Laboratory comments and Log No.: ⊗ added on 11/28/05, per Linda Conlan Geomatrix
Company: Geomatrix	1530	Company: American Analytics	1640	Company:		
Received (signature): Keith W. Zolezzi	Date: 11/21/05	Received (signature):	Date: 11/21/05	Received (signature):	Date:	approved as work order 11/22/05 1500 V. Vanle
Printed Name: Keith W. Zolezzi	Time:	Printed Name: Ludmila Glazer	Time: 16:00	Printed Name:	Time:	
Company: American Analytics	1530	Company: AA		Company:		

'05 NOV 21 16:40:56

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MB 563015 / 5K22009

Chain-of-Custody Record

12764

Date: 11/21/05

Project No.: 10627.000.0

Samplers (Signatures): Thot Naing, Tamara Yuen

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	TPH Carbon Chain 8015 Modified	Metals (6010B) *	VOCs (8260B)	PCBs (8082)						Acidified	No. of containers
11/21/05	—	Temp-112105-02	W																SC		—	1
↓	—	TB-112105-02	W					Hold →						H					—11		2	2
↓	1500	EB-112105-01	W					Hold →				H	H	H	H				—12		4	6

REMARKS

Additional Comments

Lab notes

H: Hold, do not analyze

* Metals include mercury

Turnaround Time: Standard TAT

Results To: Linda Conlan / Paula Deking

Total No. of containers: 9

Relinquished by (signature)	Date	Relinquished by (signature)	Date	Relinquished by (signature)	Date
Thot Naing	11/21/05	Keith W. Zuezzi	11/21/05		
Printed Name: Thot Naing	Time:	Printed Name: Keith Zuezzi	Time:	Printed Name:	Time:
Company: Geomatrix	1530	Company: American Analytics	1640	Company:	
Received (signature): Keith W. Zuezzi	Date: 11/21/05	Received (signature):	Date:	Received (signature):	Date:
Printed Name: Keith W. Zuezzi	Time:	Printed Name:	Time:	Printed Name:	Time:
Company: American Analytics	1530	Company:		Company:	

Method of shipment: Lab Courier (Driller)

Laboratory comments and Log No.:

'05 NOV 21 16:40 51

approved as work orders 11/22/05 1500 V. Vorke

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

January 12, 2006

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563016 / 5K23001

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/22/05 16:34 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
218.6 Hexavalent Chromium by IC - Low Level					
EB-112205-01	5K23001-09	Water	10	11/22/05 07:00	11/23/05 07:30
7199 Hexavalent Chromium by IC - Low Level					
46-SS-16.0	5K23001-04	Soil	10	11/22/05 10:15	11/22/05 16:34
46-SS-21.1	5K23001-05	Soil	10	11/22/05 10:40	11/22/05 16:34
45-SS-16.0	5K23001-06	Soil	10	11/22/05 11:05	11/22/05 16:34
45-SS-21.0	5K23001-07	Soil	10	11/22/05 11:10	11/22/05 16:34
8082 PCBs					
46-SS-16.0	5K23001-04	Soil	10	11/22/05 10:15	11/22/05 16:34
46-SS-21.1	5K23001-05	Soil	10	11/22/05 10:40	11/22/05 16:34
45-SS-16.0	5K23001-06	Soil	10	11/22/05 11:05	11/22/05 16:34
45-SS-21.0	5K23001-07	Soil	10	11/22/05 11:10	11/22/05 16:34
CAM Metals Less Hg 6000/7000					
46-SS-16.0	5K23001-04	Soil	10	11/22/05 10:15	11/22/05 16:34
46-SS-21.1	5K23001-05	Soil	10	11/22/05 10:40	11/22/05 16:34
45-SS-16.0	5K23001-06	Soil	10	11/22/05 11:05	11/22/05 16:34
45-SS-21.0	5K23001-07	Soil	10	11/22/05 11:10	11/22/05 16:34
Carbon Chain Characterization 8015M					

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
46-SS-3.0	5K23001-02	Soil	5	11/22/05 09:45	11/22/05 16:34
46-SS-6.5	5K23001-03	Soil	5	11/22/05 10:05	11/22/05 16:34
Mercury Total EPA 7470A/7471A					
46-SS-16.0	5K23001-04	Soil	10	11/22/05 10:15	11/22/05 16:34
46-SS-21.1	5K23001-05	Soil	10	11/22/05 10:40	11/22/05 16:34
45-SS-16.0	5K23001-06	Soil	10	11/22/05 11:05	11/22/05 16:34
45-SS-21.0	5K23001-07	Soil	10	11/22/05 11:10	11/22/05 16:34
VOCs (Custom List) by GC/MS					
Ambient Air	5K23001-10	Vapor	10	11/22/05 07:35	11/22/05 16:34
65-SV-5.0	5K23001-11	Vapor	10	11/22/05 09:48	11/22/05 16:34
65-SV-15.0	5K23001-12	Vapor	10	11/22/05 10:18	11/22/05 16:34
67-SV-5.0	5K23001-13	Vapor	10	11/22/05 10:43	11/22/05 16:34
67-SV-15.0	5K23001-14	Vapor	10	11/22/05 11:09	11/22/05 16:34
68-SV-5.0	5K23001-15	Vapor	10	11/22/05 11:36	11/22/05 16:34
68-SV-15.0	5K23001-16	Vapor	10	11/22/05 12:12	11/22/05 16:34
68-SV-15.0-Dup	5K23001-17	Vapor	10	11/22/05 12:13	11/22/05 16:34
66-SV-5.0	5K23001-18	Vapor	10	11/22/05 13:15	11/22/05 16:34

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
66-SV-15.0	5K23001-19	Vapor	10	11/22/05 13:42	11/22/05 16:34
59-SV-5.0	5K23001-20	Vapor	10	11/22/05 14:13	11/22/05 16:34
59-SV-15.0	5K23001-21	Vapor	10	11/22/05 14:44	11/22/05 16:34
59-SV-15.0-Dup	5K23001-22	Vapor	10	11/22/05 15:01	11/22/05 16:34

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Method: Cations by Ion Chromatography

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MRL
7199 Hexavalent Chromium by IC - Low Level (EPA 7199)								
5K23001-04	46-SS-16.0	11/22/05	12/01/05	12/01/05	1	<0.040	mg/kg	0.040
5K23001-05	46-SS-21.1	11/22/05	12/01/05	12/01/05	1	**0.35**	mg/kg	0.040
5K23001-06	45-SS-16.0	11/22/05	12/01/05	12/01/05	1	<0.040	mg/kg	0.040
5K23001-07	45-SS-21.0	11/22/05	12/01/05	12/01/05	1	<0.040	mg/kg	0.040

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Method: Cations by Ion Chromatography

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MRL
218.6 Hexavalent Chromium by IC - Low Level (EPA 218.6)								
5K23001-09	EB-112205-01	11/22/05	11/23/05	11/23/05	1	<0.30	ug/L	0.30

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	11/22/05	11/22/05	
Date Prepared:	11/29/05	11/29/05	
Date Analyzed:	11/29/05	11/29/05	
AA ID No:	5K23001-02	5K23001-03	
Client ID No:	46-SS-3.0	46-SS-6.5	
Dilution Factor:	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)			
C6-C8	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	1.0
C18-C20	**8.9**	<1.0	1.0
C20-C22	**21**	<1.0	1.0
C22-C24	**15**	<1.0	1.0
C24-C26	**26**	<1.0	1.0
C26-C28	**25**	<1.0	1.0
C28-C32	**83**	<1.0	1.0
C32-C34	**26**	<1.0	1.0
C34-C36	**7.5**	<1.0	1.0
C36-C40	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	1.0
TPH (C6-C44)	**210**	<10	10
Surrogates			**%REC Limits**
o-Terphenyl	144%	122%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06
Units: ug/kg

Date Sampled:	11/22/05	11/22/05	11/22/05	11/22/05	
Date Prepared:	11/23/05	11/23/05	11/23/05	11/23/05	
Date Analyzed:	11/29/05	11/29/05	11/29/05	11/29/05	
AA ID No:	5K23001-04	5K23001-05	5K23001-06	5K23001-07	
Client ID No:	46-SS-16.0	46-SS-21.1	45-SS-16.0	45-SS-21.0	
Dilution Factor:	1	10	1	1	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<20	<200 [1]	<20	<20	20
Aroclor-1221	<20	<200 [1]	<20	<20	20
Aroclor-1232	<20	<200 [1]	<20	<20	20
Aroclor-1242	<20	<200 [1]	<20	<20	20
Aroclor-1248	<20	**730 [1]**	<20	<20	20
Aroclor-1254	<20	<200 [1]	<20	<20	20
Aroclor-1260	<20	<200 [1]	<20	<20	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	55.6%	60.4% [1]	69.0%	78.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Total Metals CAM 17

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	11/22/05	11/22/05	11/22/05	11/22/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	12/02/05	
AA ID No:	5K23001-04	5K23001-05	5K23001-06	5K23001-07	
Client ID No:	46-SS-16.0	46-SS-21.1	45-SS-16.0	45-SS-21.0	
Dilution Factor:	1	1	1	1	MRL
Mercury Total EPA 7470A/7471A (EPA 7471A)					
Mercury	**0.032**	**0.057**	**0.041**	**0.046**	0.020

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Total Metals CAM 17

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06
Units: mg/kg

Date Sampled:	11/22/05	11/22/05	11/22/05	11/22/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	12/02/05	
AA ID No:	5K23001-04	5K23001-05	5K23001-06	5K23001-07	
Client ID No:	46-SS-16.0	46-SS-21.1	45-SS-16.0	45-SS-21.0	
Dilution Factor:	1	1	1	1	MRL
CAM Metals Less Hg 6000/7000 (EPA 6010B/7000)					
Antimony	<10	<10	<10	<10	10
Arsenic	<0.50	**1.6**	<0.50	<0.50	0.50
Barium	**48**	**130**	**73**	**57**	10
Beryllium	<1.0	<1.0	<1.0	<1.0	1.0
Cadmium	<1.0	<1.0	<1.0	<1.0	1.0
Chromium	**16**	**19**	**9.8**	**6.9**	3.0
Cobalt	<3.0	**7.9**	**5.6**	**4.2**	3.0
Copper	**9.1**	**35**	**10**	**7.1**	3.0
Lead	**5.3**	**29**	**5.8**	**4.6**	3.0
Molybdenum	<5.0	<5.0	<5.0	<5.0	5.0
Nickel	<3.0	**9.0**	**3.7**	<3.0	3.0
Selenium	<0.50	<0.50	<0.50	<0.50	0.50
Silver	<1.0	<1.0	<1.0	<1.0	1.0
Thallium	<5.0	<5.0	<5.0	<5.0	5.0
Vanadium	**70**	**35**	**29**	**21**	10
Zinc	**32**	**92**	**39**	**29**	3.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

Ambient Air

5K23001-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

Ambient Air

5K23001-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.2 %	80-120
Dibromofluoromethane	100 %	80-120
Toluene-d8	109 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

65-SV-5.0

5K23001-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

65-SV-5.0

5K23001-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.6 %	80-120
Dibromofluoromethane	117 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

65-SV-15.0

5K23001-12 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

65-SV-15.0

5K23001-12 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.6 %	80-120
Dibromofluoromethane	106 %	80-120
Toluene-d8	111 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

67-SV-5.0

5K23001-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	**0.51**	ug/L	0.10	**0.14**	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

67-SV-5.0

5K23001-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.2 %	80-120
Dibromofluoromethane	109 %	80-120
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

67-SV-15.0

5K23001-14 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	**0.48**	ug/L	0.10	**0.13**	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

67-SV-15.0

5K23001-14 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.8 %	80-120
Dibromofluoromethane	108 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

68-SV-5.0

5K23001-15 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

68-SV-5.0

5K23001-15 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	97.4 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	107 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

68-SV-15.0

5K23001-16 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

68-SV-15.0

5K23001-16 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.8 %	80-120
Dibromofluoromethane	111 %	80-120
Toluene-d8	107 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

68-SV-15.0-Dup

5K23001-17 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

68-SV-15.0-Dup

5K23001-17 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.2 %	80-120
Dibromofluoromethane	116 %	80-120
Toluene-d8	106 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

66-SV-5.0

5K23001-18 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
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Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

66-SV-5.0

5K23001-18 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	101 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	106 %	80-120

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Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

66-SV-15.0

5K23001-19 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

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Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

66-SV-15.0

5K23001-19 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.6 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	105 %	80-120

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
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Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

59-SV-5.0

5K23001-20 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

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Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
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Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

59-SV-5.0

5K23001-20 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	97.6 %	80-120
Dibromofluoromethane	127 %	80-120
Toluene-d8	107 %	80-120

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

59-SV-15.0

5K23001-21 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

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Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

59-SV-15.0

5K23001-21 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.4 %	80-120
Dibromofluoromethane	113 %	80-120
Toluene-d8	107 %	80-120

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

59-SV-15.0-Dup

5K23001-22 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563016
Project No:	10627.000.0	**Date Received:**	11/22/05
Project Name:	Vernon	**Date Reported:**	01/12/06
Matrix:	Vapor	**Sampled:**	11/22/05
Dilution:	0.1	**Prepared:**	11/22/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/22/05

59-SV-15.0-Dup

5K23001-22 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	101 %	80-120
Dibromofluoromethane	126 %	80-120
Toluene-d8	107 %	80-120

Viorel Vasile
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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cations by Ion Chromatography - Quality Control										
Batch B5L0212 - NO PREP										
Blank (B5L0212-BLK1)				Prepared & Analyzed: 11/23/05						
Chromium (VI)	<0.30	0.30	ug/L							
LCS (B5L0212-BS1)				Prepared & Analyzed: 11/23/05						
Chromium (VI)	**0.999**	0.30	ug/L	1.00		99.9	90-110			
LCS Dup (B5L0212-BSD1)				Prepared & Analyzed: 11/23/05						
Chromium (VI)	**1.04**	0.30	ug/L	1.00		104	90-110	4.02	30	
Duplicate (B5L0212-DUP1)		**Source: 5K23001-09**		Prepared & Analyzed: 11/23/05						
Chromium (VI)	<0.30	0.30	ug/L		<0.30				200	
Batch B5L0515 - NO PREP										
Blank (B5L0515-BLK1)				Prepared & Analyzed: 12/01/05						
Chromium (VI)	<0.040	0.040	mg/kg							
LCS (B5L0515-BS1)				Prepared & Analyzed: 12/01/05						
Chromium (VI)	**0.205**	0.040	mg/kg	0.200		102	80-120			
LCS Dup (B5L0515-BSD1)				Prepared & Analyzed: 12/01/05						
Chromium (VI)	**0.210**	0.040	mg/kg	0.200		105	80-120	2.41	20	
Matrix Spike (B5L0515-MS1)		**Source: 5K23001-04**		Prepared & Analyzed: 12/01/05						
Chromium (VI)	**0.202**	0.040	mg/kg	0.200	<0.040	101	70-130			
Matrix Spike (B5L0515-MS2)		**Source: 5K23001-04**		Prepared & Analyzed: 12/01/05						
Chromium (VI)	**0.0998**	0.040	mg/kg	0.100	<0.040	99.8	70-130			
Matrix Spike Dup (B5L0515-MSD1)		**Source: 5K23001-04**		Prepared & Analyzed: 12/01/05						
Chromium (VI)	**0.197**	0.040	mg/kg	0.200	<0.040	98.5	70-130	2.51	40	
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5K3011 - EPA 3550B										
Blank (B5K3011-BLK1)				Prepared: 11/23/05 Analyzed: 11/29/05						
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5K3011 - EPA 3550B										
Blank (B5K3011-BLK1) Continued				Prepared: 11/23/05		Analyzed: 11/29/05				
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*5.06*		*ug/kg*	*5.00*		*101*	*50-150*			
LCS (B5K3011-BS1)				Prepared: 11/23/05		Analyzed: 11/29/05				
Aroclor-1016	**44.0**	20	ug/kg	50.0		88.0	60-140			
Aroclor-1260	**46.1**	20	ug/kg	50.0		92.2	60-140			
Surrogate: Tetrachloro-meta-xylene	*5.02*		*ug/kg*	*5.00*		*100*	*50-150*			
Matrix Spike (B5K3011-MS1)			**Source: 5K18010-05**	Prepared: 11/23/05		Analyzed: 11/29/05				
Aroclor-1016	**44.1**	20	ug/kg	50.0	<20	88.2	50-150			
Aroclor-1260	**48.6**	20	ug/kg	50.0	<20	97.2	50-150			
Surrogate: Tetrachloro-meta-xylene	*4.00*		*ug/kg*	*5.00*		*80.0*	*50-150*			
Matrix Spike Dup (B5K3011-MSD1)			**Source: 5K18010-05**	Prepared: 11/23/05		Analyzed: 11/29/05				
Aroclor-1016	**44.6**	20	ug/kg	50.0	<20	89.2	50-150	1.13	40	
Aroclor-1260	**57.3**	20	ug/kg	50.0	<20	115	50-150	16.4	40	
Surrogate: Tetrachloro-meta-xylene	*3.13*		*ug/kg*	*5.00*		*62.6*	*50-150*			
Total Metals CAM 17 - Quality Control										
Batch B5L0516 - EPA 3050B										
Blank (B5L0516-BLK1)				Prepared & Analyzed: 12/02/05						
Antimony	<10	10	mg/kg							
Arsenic	<0.50	0.50	mg/kg							
Barium	<10	10	mg/kg							
Beryllium	<1.0	1.0	mg/kg							
Cadmium	<1.0	1.0	mg/kg							
Chromium	<3.0	3.0	mg/kg							
Cobalt	<3.0	3.0	mg/kg							
Copper	<3.0	3.0	mg/kg							
Lead	<3.0	3.0	mg/kg							
Molybdenum	<5.0	5.0	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B5L0516 - EPA 3050B										
Blank (B5L0516-BLK1) Continued				Prepared & Analyzed: 12/02/05						
Nickel	<3.0	3.0	mg/kg							
Selenium	<0.50	0.50	mg/kg							
Silver	<1.0	1.0	mg/kg							
Thallium	<5.0	5.0	mg/kg							
Vanadium	<10	10	mg/kg							
Zinc	<3.0	3.0	mg/kg							
LCS (B5L0516-BS1)				Prepared & Analyzed: 12/02/05						
Antimony	**51.3**	10	mg/kg	50.0		103	80-120			
Arsenic	**50.8**	0.50	mg/kg	50.0		102	80-120			
Barium	**49.9**	10	mg/kg	50.0		99.8	80-120			
Beryllium	**50.9**	1.0	mg/kg	50.0		102	80-120			
Cadmium	**50.0**	1.0	mg/kg	50.0		100	80-120			
Chromium	**50.4**	3.0	mg/kg	50.0		101	80-120			
Cobalt	**51.0**	3.0	mg/kg	50.0		102	80-120			
Copper	**50.9**	3.0	mg/kg	50.0		102	80-120			
Lead	**50.5**	3.0	mg/kg	50.0		101	80-120			
Molybdenum	**51.5**	5.0	mg/kg	50.0		103	80-120			
Nickel	**50.0**	3.0	mg/kg	50.0		100	80-120			
Selenium	**51.4**	0.50	mg/kg	50.0		103	80-120			
Silver	**51.0**	1.0	mg/kg	50.0		102	80-120			
Thallium	**50.3**	5.0	mg/kg	50.0		101	80-120			
Vanadium	**50.8**	10	mg/kg	50.0		102	80-120			
Zinc	**51.2**	3.0	mg/kg	50.0		102	80-120			
LCS Dup (B5L0516-BSD1)				Prepared & Analyzed: 12/02/05						
Antimony	**51.6**	10	mg/kg	50.0		103	80-120	0.583	20	
Arsenic	**51.2**	0.50	mg/kg	50.0		102	80-120	0.784	20	
Barium	**50.0**	10	mg/kg	50.0		100	80-120	0.200	20	
Beryllium	**51.2**	1.0	mg/kg	50.0		102	80-120	0.588	20	
Cadmium	**50.4**	1.0	mg/kg	50.0		101	80-120	0.797	20	
Chromium	**50.7**	3.0	mg/kg	50.0		101	80-120	0.593	20	
Cobalt	**51.4**	3.0	mg/kg	50.0		103	80-120	0.781	20	

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B5L0516 - EPA 3050B										
LCS Dup (B5L0516-BSD1) Continued				Prepared & Analyzed: 12/02/05						
Copper	**51.2**	3.0	mg/kg	50.0		102	80-120	0.588	20	
Lead	**51.0**	3.0	mg/kg	50.0		102	80-120	0.985	20	
Molybdenum	**52.2**	5.0	mg/kg	50.0		104	80-120	1.35	20	
Nickel	**50.4**	3.0	mg/kg	50.0		101	80-120	0.797	20	
Selenium	**51.8**	0.50	mg/kg	50.0		104	80-120	0.775	20	
Silver	**51.4**	1.0	mg/kg	50.0		103	80-120	0.781	20	
Thallium	**50.6**	5.0	mg/kg	50.0		101	80-120	0.595	20	
Vanadium	**51.0**	10	mg/kg	50.0		102	80-120	0.393	20	
Zinc	**51.6**	3.0	mg/kg	50.0		103	80-120	0.778	20	
Matrix Spike (B5L0516-MS1)		**Source: 5K22009-04**		Prepared & Analyzed: 12/02/05						
Antimony	**50.9**	10	mg/kg	50.0	<10	102	75-125			
Arsenic	**48.6**	0.50	mg/kg	50.0	<0.50	97.2	75-125			
Barium	**164**	10	mg/kg	50.0	110	108	75-125			
Beryllium	**51.1**	1.0	mg/kg	50.0	<1.0	102	75-125			
Cadmium	**47.8**	1.0	mg/kg	50.0	1.7	92.2	75-125			
Chromium	**71.4**	3.0	mg/kg	50.0	23	96.8	75-125			
Cobalt	**53.6**	3.0	mg/kg	50.0	4.5	98.2	75-125			
Copper	**562**	3.0	mg/kg	50.0	510	104	75-125			
Lead	**186**	3.0	mg/kg	50.0	140	92.0	75-125			
Molybdenum	**51.2**	5.0	mg/kg	50.0	<5.0	102	75-125			
Nickel	**59.4**	3.0	mg/kg	50.0	12	94.8	75-125			
Selenium	**45.5**	0.50	mg/kg	50.0	<0.50	91.0	75-125			
Silver	**54.5**	1.0	mg/kg	50.0	<1.0	109	75-125			
Thallium	**49.4**	5.0	mg/kg	50.0	<5.0	98.8	75-125			
Vanadium	**72.9**	10	mg/kg	50.0	23	99.8	75-125			
Zinc	**309**	3.0	mg/kg	50.0	270	78.0	75-125			
Matrix Spike Dup (B5L0516-MSD1)		**Source: 5K22009-04**		Prepared & Analyzed: 12/02/05						
Antimony	**50.2**	10	mg/kg	50.0	<10	100	75-125	1.38	40	
Arsenic	**48.0**	0.50	mg/kg	50.0	<0.50	96.0	75-125	1.24	40	
Barium	**162**	10	mg/kg	50.0	110	104	75-125	1.23	40	
Beryllium	**50.4**	1.0	mg/kg	50.0	<1.0	101	75-125	1.38	40	

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B5L0516 - EPA 3050B										
Matrix Spike Dup (B5L0516-MSD1) Continued				**Source: 5K22009-04**	Prepared & Analyzed: 12/02/05					
Cadmium	**47.3**	1.0	mg/kg	50.0	1.7	91.2	75-125	1.05	40	
Chromium	**70.5**	3.0	mg/kg	50.0	23	95.0	75-125	1.27	40	
Cobalt	**52.8**	3.0	mg/kg	50.0	4.5	96.6	75-125	1.50	40	
Copper	**552**	3.0	mg/kg	50.0	510	84.0	75-125	1.80	40	
Lead	**184**	3.0	mg/kg	50.0	140	88.0	75-125	1.08	40	
Molybdenum	**50.9**	5.0	mg/kg	50.0	<5.0	102	75-125	0.588	40	
Nickel	**58.6**	3.0	mg/kg	50.0	12	93.2	75-125	1.36	40	
Selenium	**45.2**	0.50	mg/kg	50.0	<0.50	90.4	75-125	0.662	40	
Silver	**53.8**	1.0	mg/kg	50.0	<1.0	108	75-125	1.29	40	
Thallium	**48.4**	5.0	mg/kg	50.0	<5.0	96.8	75-125	2.04	40	
Vanadium	**71.8**	10	mg/kg	50.0	23	97.6	75-125	1.52	40	
Zinc	**306**	3.0	mg/kg	50.0	270	72.0	75-125	0.976	40	
Total Metals CAM 17 - Quality Control										
Batch B5L0517 - EPA 7471A Prep										
Blank (B5L0517-BLK1)					Prepared & Analyzed: 12/02/05					
Mercury	<0.020	0.020	mg/kg							
LCS (B5L0517-BS1)					Prepared & Analyzed: 12/02/05					
Mercury	**0.966**	0.020	mg/kg	1.00		96.6	85-115			
LCS Dup (B5L0517-BSD1)					Prepared & Analyzed: 12/02/05					
Mercury	**0.953**	0.020	mg/kg	1.00		95.3	85-115	1.35	25	
Matrix Spike (B5L0517-MS1)				**Source: 5K22009-04**	Prepared & Analyzed: 12/02/05					
Mercury	**1.02**	0.020	mg/kg	1.00	0.063	95.7	75-125			
Matrix Spike Dup (B5L0517-MSD1)				**Source: 5K22009-04**	Prepared & Analyzed: 12/02/05					
Mercury	**1.02**	0.020	mg/kg	1.00	0.063	95.7	75-125	0.00	25	
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K3017 - EPA 3550B										
Blank (B5K3017-BLK1)					Prepared & Analyzed: 11/29/05					
C6-C8	<1.0	1.0	mg/kg							

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K3017 - EPA 3550B										
Blank (B5K3017-BLK1) Continued				Prepared & Analyzed: 11/29/05						
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*11.7*		*mg/kg*	*10.0*		*117*	*50-150*			
LCS (B5K3017-BS1)				Prepared & Analyzed: 11/29/05						
Diesel Range Organics as Diesel	**177**		mg/kg	200		88.5	75-125			
Surrogate: o-Terphenyl	*12.6*		*mg/kg*	*10.0*		*126*	*50-150*			
Matrix Spike (B5K3017-MS1)			**Source: 5K29001-05**	Prepared & Analyzed: 11/29/05						
Diesel Range Organics as Diesel	**178**		mg/kg	200	0.0	89.0	70-130			
Surrogate: o-Terphenyl	*11.2*		*mg/kg*	*10.0*		*112*	*50-150*			
Matrix Spike Dup (B5K3017-MSD1)			**Source: 5K29001-05**	Prepared & Analyzed: 11/29/05						
Diesel Range Organics as Diesel	**161**		mg/kg	200	0.0	80.5	70-130	10.0	40	
Surrogate: o-Terphenyl	*12.0*		*mg/kg*	*10.0*		*120*	*50-150*			
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0618 - *** DEFAULT PREP ****										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0618 - *** DEFAULT PREP ****										
Blank (B5L0618-BLK1)				Prepared & Analyzed: 11/22/05						
Benzene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
Dichlorodifluoromethane (R12)	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
1,2-Dichloroethane (EDC)	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Isopropanol	<10	10	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Stoddard Solvent	<100	100	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene (PCE)	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Trichloroethylene (TCE)	<1.0	1.0	ug/L							
Trichlorofluoromethane (R11)	<1.0	1.0	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/L							
Vinyl chloride	<1.0	1.0	ug/L							
o-Xylene	<1.0	1.0	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48.1*		*ug/L*	*50.0*		*96.2*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0618 - *** DEFAULT PREP ****										
Blank (B5L0618-BLK1) Continued				Prepared & Analyzed: 11/22/05						
Surrogate: Dibromofluoromethane	*50.1*		*ug/L*	*50.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*54.6*		*ug/L*	*50.0*		*109*	*80-120*			
LCS (B5L0618-BS1)				Prepared & Analyzed: 11/22/05						
Carbon Tetrachloride	**8.67**	0.50	ug/L	10.0		86.7	75-125			
Chloroethane	**9.98**	0.50	ug/L	10.0		99.8	75-125			
Chloroform	**9.15**	0.50	ug/L	10.0		91.5	75-125			
1,1-Dichloroethane	**9.49**	0.50	ug/L	10.0		94.9	75-125			
1,2-Dichloroethane (EDC)	**7.54**	0.50	ug/L	10.0		75.4	75-125			
1,1-Dichloroethylene	**10.5**	0.50	ug/L	10.0		105	75-125			
trans-1,2-Dichloroethylene	**10.2**	0.50	ug/L	10.0		102	75-125			
cis-1,2-Dichloroethylene	**9.92**	0.50	ug/L	10.0		99.2	75-125			
Ethylbenzene	**10.1**	0.50	ug/L	10.0		101	75-125			
Isopropanol	**142**	5.0	ug/L	250		56.8	0-200			
Methylene Chloride	**11.7**	2.5	ug/L	10.0		117	75-125			
Stoddard Solvent	**200**	50	ug/L	250		80.0	75-125			
1,1,2,2-Tetrachloroethane	**7.90**	0.50	ug/L	10.0		79.0	75-125			
Tetrachloroethylene (PCE)	**10.3**	0.50	ug/L	10.0		103	75-125			
Toluene	**10.1**	0.50	ug/L	10.0		101	75-125			
1,1,2-Trichloroethane	**8.63**	0.50	ug/L	10.0		86.3	75-125			
1,1,1-Trichloroethane	**9.12**	0.50	ug/L	10.0		91.2	75-125			
Trichloroethylene (TCE)	**7.53**	0.50	ug/L	10.0		75.3	75-125			
Vinyl chloride	**9.95**	0.50	ug/L	10.0		99.5	75-125			
o-Xylene	**9.44**	0.50	ug/L	10.0		94.4	75-125			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/L*	*25.0*		*95.6*	*80-120*			
Surrogate: Dibromofluoromethane	*25.4*		*ug/L*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*27.2*		*ug/L*	*25.0*		*109*	*80-120*			
Duplicate (B5L0618-DUP1)				**Source: 5K23001-21**	Prepared & Analyzed: 11/22/05					
Benzene	<1.0	1.0	ug/L		<1.0				30	
2-Butanone (MEK)	<10	10	ug/L		<10				30	
Carbon Tetrachloride	<1.0	1.0	ug/L		<1.0				30	

Viorel Vasile
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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0618 - *** DEFAULT PREP ****										
Duplicate (B5L0618-DUP1) Continued			**Source: 5K23001-21** Prepared & Analyzed: 11/22/05							
Chloroethane	<1.0	1.0	ug/L		<1.0				30	
Chloroform	<1.0	1.0	ug/L		<1.0				30	
Dichlorodifluoromethane (R12)	<1.0	1.0	ug/L		<1.0				30	
1,1-Dichloroethane	<1.0	1.0	ug/L		<1.0				30	
1,2-Dichloroethane (EDC)	<1.0	1.0	ug/L		<1.0				30	
1,1-Dichloroethylene	<1.0	1.0	ug/L		<1.0				30	
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		<1.0				30	
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		<1.0				30	
Ethylbenzene	<1.0	1.0	ug/L		<1.0				30	
Isopropanol	<10	10	ug/L		<10				30	
Methylene Chloride	<5.0	5.0	ug/L		<5.0				30	
Stoddard Solvent	<100	100	ug/L		<100				30	
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		<1.0				30	
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		<1.0				30	
Tetrachloroethylene (PCE)	<1.0	1.0	ug/L		<1.0				30	
Toluene	<1.0	1.0	ug/L		<1.0				30	
1,1,2-Trichloroethane	<1.0	1.0	ug/L		<1.0				30	
1,1,1-Trichloroethane	<1.0	1.0	ug/L		<1.0				30	
Trichloroethylene (TCE)	<1.0	1.0	ug/L		<1.0				30	
Trichlorofluoromethane (R11)	<1.0	1.0	ug/L		<1.0				30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/L		<5.0				200	
Vinyl chloride	<1.0	1.0	ug/L		<1.0				30	
o-Xylene	<1.0	1.0	ug/L		<1.0				30	
m,p-Xylenes	<1.0	1.0	ug/L		<1.0				30	
Surrogate: 4-Bromofluorobenzene	*50.6*		*ug/L*	*50.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*62.7*		*ug/L*	*50.0*		*125*	*80-120*			
Surrogate: Toluene-d8	*53.4*		*ug/L*	*50.0*		*107*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563016
Date Received: 11/22/05
Date Reported: 01/12/06

Special Notes

[1] = **SP1** : The sample required dilution due to high analyte concentration and/or matrix interferences.

Viorel Vasile
Operations Manager

MB563016/SK23001

Chain-of-Custody Record

12757

Date: 11/22/05

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260 B VOCs	EPA 8021	Title 22 Metals	Hold	PCBs (8082)	Metals (6010B)*	Hex. Chrome (7199)	TPH Carbon Chain 8015B Modified					Acidified	No. of containers
11/22/05	–	Temp-112205-01	W																4°C	–	1
–	–	TB-112205-01	W			HOLD		X										SK23001-01		2	2
–	0945	46-55-3.0	S				V.V. (see P. Delong)								X				-02	–	1
–	1005	46-55-6.5	S												X				-03	–	1
–	1015	46-55-16.0	S									X	X	X					-04	–	1
–	1040	46-55-21.0	S									X	X	X					-05	–	1
–	1105	45-55-16.0	S									X	X	X					-06	–	1
–	1110	45-55-21.0	S									X	X	X					-07	–	1

Turnaround Time: 5-day TAT for TPH, Standard TAT for others

Results To: Linda Conlon / Paula Delong

Total No. of containers: 9

Additional Comments

Notes to lab:

*Metals include Mercury

Important:

Use soil from the "BLACK" cap end of acetate sleeves

Relinquished by (signature)	Date	Relinquished by (signature)	Date	Relinquished by (signature)	Date
Thet Naing	11/22/05	Keith Zorzi	11/22/05		
Printed Name: Thet Naing	Time:	Printed Name: Keith Zorzi	Time:	Printed Name:	Time:
Company: Geomatrix	1515	Company: American Analytics	1645	Company:	
Received (signature)	**Date**	**Received (signature)**	**Date**	**Received (signature)**	**Date**
Keith Zorzi	11/22/05		11/22/05		
Printed Name: Keith Zorzi	Time:	Printed Name: Vilma Varale	Time:	Printed Name:	Time:
Company: American Analytics	1515	Company: American Analytics	1635	Company:	

Method of shipment: Lab courier

Laboratory comments and Log No.:

05 NOV 22 16:34 47

approved as work order 11/23/05 0730 V. Varale

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MB363016/SK23001

Chain-of-Custody Record

12756

Date: 11/22/05

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260B VOC's	EPA 8021	Title 22 Metals	Hold	PCB's (Soil)	Metals (6010B)*	Hex. Chrome (7199)	TPH Carbon Chain 8015B modified						Acidified	No. of containers
11/22/05	-	Temp-112205-02	W																	SK	—	1
↓ -	-	TB-112205-02	W					H									SK23001		-08		2	2
↓ -	1140	EB-112205-01	W			Hold		→				H	H	~~H~~	H				-09		1	4
														(X)								

Run as requested by P Delong 11/23/05 0930

Notes to lab:

* Metals include Mercury

H: Hold (Do not analyze)

2 - 1L Amber

1 - 1L HNO3 preserved HDPE

1 - 250 mL HDPE

Turnaround Time: Standard TAT

Results To: Linda Conlan/Paula Delong

Total No. of containers: 7

Additional Comments

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Thet Naing	11/22/05	Keith W. Zolezzi	11/22/05		
Printed Name: Thet Naing	Time:	Printed Name: Keith Zolezzi	Time:	Printed Name:	Time:
Company: Geomatrix	1515	Company: American Analytics	1635	Company:	
Received (signature): Keith W. Zolezzi	Date: 11/22/05	Received (signature):	Date: 11/22/05	Received (signature):	Date:
Printed Name: Keith Zolezzi	Time:	Printed Name: Vlodek Vrsale	Time:	Printed Name:	Time:
Company: American Analytics	1515	Company: American Analytics	1635	Company:	

Method of shipment: Lab courier

Laboratory comments and Log No.:

05 NOV 22 16:34 51

approval as work order 11/23/05 0730 V. Vorsile

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

№ 308578
DATE: 11/22/05
PAGE 1 OF 1

AA Client: Geomatrix		Phone:	Sampler's Name (Print): Sam Lee
Project Manager: Linda Coulam		P.O. No.	Sampler's Signature: [signature]
Project Name: ~~3200~~ Vernon		Client's Project No.: 10627.0000	Project Manager's Signature
Job Name and Address: 3200 Fruitland Ave Vernon, CA			

ANALYSIS REQUIRED (Test Name)

Client's I.D.	A.A. I.D.#	Date	Time	Sample Type	Number of Containers	8260B Short List	8260B - Stoddard	Client's Comment Special Test Requirements / Comments (i.e., - Turnaround Time Detection Limits Data Package...)
Ambient air	SK23001-10	11/22/05	0735	vapor	1	X	X	X: Analyzed in the mobile lab
65-SV-5.0	-11		0948			X	X	
65-SV-15.0	-12		1018			X	X	
67-SV-5.0	-13		1043			X	X	
67-SV-15.0	-14		1109			X	X	
68-SV-5.0	-15		1136			X	X	
68-SV-15.0	-16		1212			X	X	
68-SV-15.0-Dup	-17		1213			X	X	
66-SV-5.0	-18		1315			X	X	
66-SV-15.0	-19		1342			X	X	
59-SV-5.0	-20		1413			X	X	
59-SV-15.0	-21		1444			X	X	
59-SV-15.0-Dup	-22		1501			X	X	

05NOV22 17:14 10

LAB COMMENTS

Approved as Work Order by:	Print Name	Signature	Date/Time
	VIOLA VARNER	[signature]	11/23/05 0730

AA Project No. MB5630116 / SK23001

Relinquished by:	Date	Time	Received by:
Ana Gonzalez	11/22/05	1505	SAM LEE
SAM LEE	11/22/05	1714	[signature]

DISTRIBUTION: Page 1, White - Laboratory Page 2, Yellow - Laboratory Page 3, Pink - Account Executive Page 4, Gold - Client

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

December 18, 2005

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563017 / 5K28002

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/23/05 17:50 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563017
Date Received: 11/23/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs (Custom List) by GC/MS					
Ambient Air	5K28002-01	Vapor	10	11/23/05 07:15	11/23/05 17:50
53-SV-5.0	5K28002-02	Vapor	10	11/23/05 09:20	11/23/05 17:50
53-SV-15.0	5K28002-03	Vapor	10	11/23/05 09:48	11/23/05 17:50
53-SV-15.0-Dup	5K28002-04	Vapor	10	11/23/05 09:49	11/23/05 17:50
54-SV-5.0	5K28002-05	Vapor	10	11/23/05 10:41	11/23/05 17:50
54-SV-15.0	5K28002-06	Vapor	10	11/23/05 11:09	11/23/05 17:50
57-SV-5.0	5K28002-07	Vapor	10	11/23/05 11:36	11/23/05 17:50
57-SV-15.0	5K28002-08	Vapor	10	11/23/05 12:03	11/23/05 17:50
55-SV-5.0	5K28002-09	Vapor	10	11/23/05 12:50	11/23/05 17:50
55-SV-15.0	5K28002-10	Vapor	10	11/23/05 13:14	11/23/05 17:50
56-SV-5.0	5K28002-11	Vapor	10	11/23/05 13:42	11/23/05 17:50
56-SV-15.0	5K28002-12	Vapor	10	11/23/05 14:10	11/23/05 17:50
58-SV-5.0	5K28002-13	Vapor	10	11/23/05 14:40	11/23/05 17:50
58-SV-15.0	5K28002-14	Vapor	10	11/23/05 15:09	11/23/05 17:50
60-SV-5.0	5K28002-15	Vapor	10	11/23/05 15:39	11/23/05 17:50
60-SV-15.0	5K28002-16	Vapor	10	11/23/05 16:05	11/23/05 17:50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563017
Date Received: 11/23/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
76-SV-5.0	5K28002-17	Vapor	10	11/23/05 16:54	11/23/05 17:50
76-SV-15.0	5K28002-18	Vapor	10	11/23/05 17:20	11/23/05 17:50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

Ambient Air

5K28002-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

Ambient Air

5K28002-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.0 %	80-120
Dibromofluoromethane	108 %	80-120
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

53-SV-5.0

5K28002-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

53-SV-5.0

5K28002-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

53-SV-15.0

5K28002-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

53-SV-15.0

5K28002-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	92.0 %	80-120
Dibromofluoromethane	120 %	80-120
Toluene-d8	106 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

53-SV-15.0-Dup

5K28002-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

53-SV-15.0-Dup

5K28002-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.0 %	80-120
Dibromofluoromethane	132 %	80-120
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

54-SV-5.0

5K28002-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

54-SV-5.0

5K28002-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	114 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

54-SV-15.0

5K28002-06 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

54-SV-15.0

5K28002-06 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

57-SV-5.0

5K28002-07 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

57-SV-5.0

5K28002-07 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	94.0 %	80-120
Dibromofluoromethane	114 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

57-SV-15.0

5K28002-08 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

57-SV-15.0

5K28002-08 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

55-SV-5.0

5K28002-09 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

55-SV-5.0

5K28002-09 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	100 %	80-120
Dibromofluoromethane	104 %	80-120
Toluene-d8	110 %	80-120

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Client:	Geomatrix Consultants	**AA Project No:**	MB563017
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Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

55-SV-15.0

5K28002-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
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Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

55-SV-15.0

5K28002-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.0 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	112 %	80-120

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
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Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

56-SV-5.0

5K28002-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

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Client:	Geomatrix Consultants	**AA Project No:**	MB563017
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Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

56-SV-5.0

5K28002-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	114 %	80-120

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

56-SV-15.0

5K28002-12 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

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Client:	Geomatrix Consultants	**AA Project No:**	MB563017
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Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

56-SV-15.0

5K28002-12 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	108 %	80-120
Toluene-d8	110 %	80-120

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

58-SV-5.0

5K28002-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

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Operations Manager

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Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

58-SV-5.0

5K28002-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.0 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	112 %	80-120

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

58-SV-15.0

5K28002-14 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
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Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

58-SV-15.0

5K28002-14 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.0 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	114 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

60-SV-5.0

5K28002-15 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

60-SV-5.0

5K28002-15 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.0 %	80-120
Dibromofluoromethane	118 %	80-120
Toluene-d8	114 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

60-SV-15.0

5K28002-16 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

60-SV-15.0

5K28002-16 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.0 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	114 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

76-SV-5.0

5K28002-17 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

76-SV-5.0

5K28002-17 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.0 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

76-SV-15.0

5K28002-18 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563017
Project No:	10627.000.0	**Date Received:**	11/23/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	11/23/05
Dilution:	0.1	**Prepared:**	11/23/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	11/23/05

76-SV-15.0

5K28002-18 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	91.0 %	80-120
Dibromofluoromethane	131 %	80-120
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563017
Date Received: 11/23/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0706 - *** DEFAULT PREP ****										
Blank (B5L0706-BLK1)				Prepared & Analyzed: 11/23/05						
Benzene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
Dichlorodifluoromethane (R12)	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
1,2-Dichloroethane (EDC)	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Isopropanol	<10	10	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Stoddard Solvent	<100	100	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene (PCE)	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Trichloroethylene (TCE)	<1.0	1.0	ug/L							
Trichlorofluoromethane (R11)	<1.0	1.0	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/L							
Vinyl chloride	<1.0	1.0	ug/L							
o-Xylene	<1.0	1.0	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48.0*		*ug/L*	*50.0*		*96.0*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563017
Date Received: 11/23/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0706 - *** DEFAULT PREP ****										
Blank (B5L0706-BLK1) Continued				Prepared & Analyzed: 11/23/05						
Surrogate: Dibromofluoromethane	*54.0*		*ug/L*	*50.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*54.0*		*ug/L*	*50.0*		*108*	*80-120*			
LCS (B5L0706-BS1)				Prepared & Analyzed: 11/23/05						
Carbon Tetrachloride	**11.1**	1.0	ug/L	10.0		111	75-125			
Chloroethane	**12.6**	1.0	ug/L	10.0		126	75-125			
Chloroform	**12.1**	1.0	ug/L	10.0		121	75-125			
1,1-Dichloroethane	**12.7**	1.0	ug/L	10.0		127	75-125			
1,2-Dichloroethane (EDC)	**10.2**	1.0	ug/L	10.0		102	75-125			
1,1-Dichloroethylene	**12.8**	1.0	ug/L	10.0		128	75-125			
trans-1,2-Dichloroethylene	**12.5**	1.0	ug/L	10.0		125	75-125			
cis-1,2-Dichloroethylene	**12.4**	1.0	ug/L	10.0		124	75-125			
Ethylbenzene	**10.5**	1.0	ug/L	10.0		105	75-125			
Isopropanol	**202**	10	ug/L	250		80.8	0-200			
Methylene Chloride	**12.6**	5.0	ug/L	10.0		126	75-125			
Stoddard Solvent	**200**	100	ug/L	250		80.0	75-125			
1,1,2,2-Tetrachloroethane	**10.2**	1.0	ug/L	10.0		102	75-125			
Tetrachloroethylene (PCE)	**9.85**	1.0	ug/L	10.0		98.5	75-125			
Toluene	**11.0**	1.0	ug/L	10.0		110	75-125			
1,1,2-Trichloroethane	**18.7**	1.0	ug/L	10.0		187	75-125			
1,1,1-Trichloroethane	**10.7**	1.0	ug/L	10.0		107	75-125			
Trichloroethylene (TCE)	**9.90**	1.0	ug/L	10.0		99.0	75-125			
Vinyl chloride	**12.4**	1.0	ug/L	10.0		124	75-125			
o-Xylene	**10.2**	1.0	ug/L	10.0		102	75-125			
Surrogate: 4-Bromofluorobenzene	*47.3*		*ug/L*	*50.0*		*94.6*	*80-120*			
Surrogate: Dibromofluoromethane	*54.4*		*ug/L*	*50.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*51.6*		*ug/L*	*50.0*		*103*	*80-120*			
Duplicate (B5L0706-DUP1)				**Source: 5K28002-03** Prepared & Analyzed: 11/23/05						
Benzene	<0.10	0.10	ug/L		<0.10				30	
2-Butanone (MEK)	<1.0	1.0	ug/L		<1.0				30	
Carbon Tetrachloride	<0.10	0.10	ug/L		<0.10				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563017
Date Received: 11/23/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0706 - *** DEFAULT PREP ****										
Duplicate (B5L0706-DUP1) Continued			**Source: 5K28002-03** Prepared & Analyzed: 11/23/05							
Chloroethane	<0.10	0.10	ug/L		<0.10				30	
Chloroform	<0.10	0.10	ug/L		<0.10				30	
Dichlorodifluoromethane (R12)	<0.10	0.10	ug/L		<0.10				30	
1,1-Dichloroethane	<0.10	0.10	ug/L		<0.10				30	
1,2-Dichloroethane (EDC)	<0.10	0.10	ug/L		<0.10				30	
1,1-Dichloroethylene	<0.10	0.10	ug/L		<0.10				30	
trans-1,2-Dichloroethylene	<0.10	0.10	ug/L		<0.10				30	
cis-1,2-Dichloroethylene	<0.10	0.10	ug/L		<0.10				30	
Ethylbenzene	<0.10	0.10	ug/L		<0.10				30	
Isopropanol	<1.0	1.0	ug/L		<1.0				30	
Methylene Chloride	<0.50	0.50	ug/L		<0.50				30	
Stoddard Solvent	<10	10	ug/L		<10				30	
1,1,1,2-Tetrachloroethane	<0.10	0.10	ug/L		<0.10				30	
1,1,2,2-Tetrachloroethane	<0.10	0.10	ug/L		<0.10				30	
Tetrachloroethylene (PCE)	<0.10	0.10	ug/L		<0.10				30	
Toluene	<0.10	0.10	ug/L		<0.10				30	
1,1,2-Trichloroethane	<0.10	0.10	ug/L		<0.10				30	
1,1,1-Trichloroethane	<0.10	0.10	ug/L		<0.10				30	
Trichloroethylene (TCE)	<0.10	0.10	ug/L		<0.10				30	
Trichlorofluoromethane (R11)	<0.10	0.10	ug/L		<0.10				30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L		<0.50				200	
Vinyl chloride	<0.10	0.10	ug/L		<0.10				30	
o-Xylene	<0.10	0.10	ug/L		<0.10				30	
m,p-Xylenes	<0.10	0.10	ug/L		<0.10				30	
Surrogate: 4-Bromofluorobenzene	*48.2*		*ug/L*	*50.0*		*96.4*	*80-120*			
Surrogate: Dibromofluoromethane	*65.7*		*ug/L*	*50.0*		*131*	*80-120*			
Surrogate: Toluene-d8	*53.8*		*ug/L*	*50.0*		*108*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563017
Date Received: 11/23/05
Date Reported: 12/18/05

Special Notes

Viorel Vasile
Operations Manager

American Analytics Ÿ 9765 Eton Avenue, Chatsworth, California 91311
Tel: (818) 998-5547 Ÿ Fax: (818) 998-7258

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

№ 308577
DATE: 11/23/05
PAGE 1 OF 2

AA Client: Geomatrix.	Phone	Sampler's Name (Print): Sam Lee	
Project Manager: Linda Coulan	P.O. No.	Sampler's Signature:	
Project Name: Vernon.	Client's Project No.: 10627.000.0	Project Manager's Signature	
Job Name and Address: 3200 Fruitland Ave Vernon, CA			

ANALYSIS REQUIRED (Test Name): 8260B Short List; 8260B Standard

Client's Comment Special Test Requirements / Comments (i.e., - Turnaround Time, Detection Limits, Data Package...)

Client's I.D.	A.A. I.D.#	Date	Time	Sample Type	Number of Containers	8260B Short List	8260B Standard	Comments
Ambient air	5K28002-01	11/23/05	0715	Vapor	1	X	X	X: Analyzed in the mobile lab.
53-SV-5.0	-02		0920			X	X	
53-SV-15.0	-03		0948			X	X	
53-SV-15.0-Dup	-04		0949			X	X	
54-SV-5.0	-05		1041			X	X	
54-SV-15.0	-06		1109			X	X	
57-SV-5.0	-07		1136			X	X	
57-SV-15.0	-08		1203			X	X	
55-SV-5.0	-09		1250			X	X	
55-SV-15.0	-10		1314			X	X	
56-SV-5.0	-11		1342			X	X	
56-SV-15.0	-12		1410			X	X	
58-SV-5.0	-13		1440			X	X	
58-SV-15.0	-14		1509			X	X	
60-SV-5.0	-15		1539			X	X	
60-SV-15.0	-16		1605			X	X	

LAB COMMENTS

Relinquished by:	Date	Time	Received by:
[signature]	11/23/05	17:50	[signature]
[signature]	11/28/05	0731	[signature]

Approved as Work Order by: Print Name: VIOLET VARNE Signature: [signature] Date/Time: 11/28/05 0745

AA Project No. MB 563017/5K28002

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AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

№ 308599
DATE: 11/23/05
PAGE 2 OF 2

AA Client: Geomatrix		Phone	Sampler's Name (Print): Sam Lee
Project Manager: Linda Coulan		P.O. No.	Sampler's Signature: [signature]
Project Name: Vernon		Client's Project No.: 10627.000.0	Project Manager's Signature
Job Name and Address: 3200 Fruitland Ave Vernon, CA			

ANALYSIS REQUIRED (Test Name)

Client's I.D.	A.A. I.D.#	Date	Time	Sample Type	Number of Containers	S2608 Short List	S2608 Standard	Client's Comment Special Test Requirements / Comments (i.e., - Turnaround Time Detection Limits Data Package...)
76-SV-5.0	SK28002-17	11/23/05	1654	Vapor	1	X	X	
76-SV-15.0	-18	↓	1720	↓	↓	X	X	

LAB COMMENTS

Relinquished by:	Date	Time	Received by:
[signature]	11/23/05	1450	[signature]
[signature]	11/28/05	0731	[signature]

Approved as Work Order by: Print Name: VIOREL VASILE Signature: [signature] Date/Time: 11/28/05 0745

AA Project No. MB 563017 / SK28002

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9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

December 18, 2005

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563018 / 5K29001

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/28/05 17:59 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8082 PCBs					
51-SS-3.0	5K29001-04	Soil	10	11/28/05 09:15	11/28/05 17:59
51-SS-6.9	5K29001-05	Soil	10	11/28/05 09:35	11/28/05 17:59
38-SS-8.1	5K29001-06	Soil	10	11/28/05 10:55	11/28/05 17:59
38-SS-16.0	5K29001-07	Soil	10	11/28/05 11:20	11/28/05 17:59
37-SS-8.1	5K29001-08	Soil	10	11/28/05 11:50	11/28/05 17:59
37-SS-16.1	5K29001-09	Soil	10	11/28/05 12:20	11/28/05 17:59
26-SS-5.2	5K29001-10	Soil	10	11/28/05 14:15	11/28/05 17:59
26-SS-8.8	5K29001-11	Soil	10	11/28/05 14:30	11/28/05 17:59
17-CS-0.3	5K29001-12	Concrete	10	11/28/05 15:30	11/28/05 17:59
18-CS-0.3	5K29001-13	Concrete	10	11/28/05 15:55	11/28/05 17:59
19-CS-0.3	5K29001-14	Concrete	10	11/28/05 16:00	11/28/05 17:59
35-CS-0.3	5K29001-15	Concrete	10	11/28/05 16:02	11/28/05 17:59
41-CS-0.3	5K29001-16	Concrete	10	11/28/05 16:05	11/28/05 17:59
74-CS-0.3	5K29001-17	Concrete	10	11/28/05 16:06	11/28/05 17:59
8260B Full List					
TB-112805-02	5K29001-01	Water	10	11/28/05 07:00	11/28/05 17:59

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B/5035 Soil Full List					
51-SS-3.0	5K29001-04	Soil	10	11/28/05 09:15	11/28/05 17:59
51-SS-6.9	5K29001-05	Soil	10	11/28/05 09:35	11/28/05 17:59
38-SS-8.1	5K29001-06	Soil	10	11/28/05 10:55	11/28/05 17:59
38-SS-16.0	5K29001-07	Soil	10	11/28/05 11:20	11/28/05 17:59
37-SS-8.1	5K29001-08	Soil	10	11/28/05 11:50	11/28/05 17:59
37-SS-16.1	5K29001-09	Soil	10	11/28/05 12:20	11/28/05 17:59
8270C					
52-SS-3.0	5K29001-02	Soil	10	11/28/05 08:35	11/28/05 17:59
52-SS-7.0	5K29001-03	Soil	10	11/28/05 09:00	11/28/05 17:59
CAM Metals Less Hg 6000/7000					
52-SS-3.0	5K29001-02	Soil	10	11/28/05 08:35	11/28/05 17:59
52-SS-7.0	5K29001-03	Soil	10	11/28/05 09:00	11/28/05 17:59
38-SS-8.1	5K29001-06	Soil	10	11/28/05 10:55	11/28/05 17:59
38-SS-16.0	5K29001-07	Soil	10	11/28/05 11:20	11/28/05 17:59
37-SS-8.1	5K29001-08	Soil	10	11/28/05 11:50	11/28/05 17:59
37-SS-16.1	5K29001-09	Soil	10	11/28/05 12:20	11/28/05 17:59

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
Carbon Chain Characterization 8015M					
51-SS-3.0	5K29001-04	Soil	5	11/28/05 09:15	11/28/05 17:59
51-SS-6.9	5K29001-05	Soil	5	11/28/05 09:35	11/28/05 17:59
26-SS-5.2	5K29001-10	Soil	5	11/28/05 14:15	11/28/05 17:59
26-SS-8.8	5K29001-11	Soil	5	11/28/05 14:30	11/28/05 17:59
Mercury Total EPA 7470A/7471A					
52-SS-3.0	5K29001-02	Soil	10	11/28/05 08:35	11/28/05 17:59
52-SS-7.0	5K29001-03	Soil	10	11/28/05 09:00	11/28/05 17:59
38-SS-8.1	5K29001-06	Soil	10	11/28/05 10:55	11/28/05 17:59
38-SS-16.0	5K29001-07	Soil	10	11/28/05 11:20	11/28/05 17:59
37-SS-8.1	5K29001-08	Soil	10	11/28/05 11:50	11/28/05 17:59
37-SS-16.1	5K29001-09	Soil	10	11/28/05 12:20	11/28/05 17:59
TPH as Stoddard Solvent					
TB-112805-02	5K29001-01	Water	10	11/28/05 07:00	11/28/05 17:59
TPH as Stoddard Solvent (5035)					
51-SS-3.0	5K29001-04	Soil	10	11/28/05 09:15	11/28/05 17:59
51-SS-6.9	5K29001-05	Soil	10	11/28/05 09:35	11/28/05 17:59
38-SS-8.1	5K29001-06	Soil	10	11/28/05 10:55	11/28/05 17:59

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
38-SS-16.0	5K29001-07	Soil	10	11/28/05 11:20	11/28/05 17:59
37-SS-8.1	5K29001-08	Soil	10	11/28/05 11:50	11/28/05 17:59
37-SS-16.1	5K29001-09	Soil	10	11/28/05 12:20	11/28/05 17:59

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/28/05	11/28/05	11/28/05	11/28/05	
Date Prepared:	11/29/05	11/29/05	11/29/05	11/29/05	
Date Analyzed:	11/29/05	11/29/05	11/29/05	11/29/05	
AA ID No:	5K29001-04	5K29001-05	5K29001-10	5K29001-11	
Client ID No:	51-SS-3.0	51-SS-6.9	26-SS-5.2	26-SS-8.8	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	131%	142%	111%	84.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Concrete
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/28/05	11/28/05	11/28/05	11/28/05	
Date Prepared:	11/30/05	11/30/05	11/30/05	11/30/05	
Date Analyzed:	12/06/05	12/06/05	12/06/05	12/06/05	
AA ID No:	5K29001-12	5K29001-13	5K29001-14	5K29001-15	
Client ID No:	17-CS-0.3	18-CS-0.3	19-CS-0.3	35-CS-0.3	
Dilution Factor:	20	10	50	10	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<400	<200	<1000	<200	20
Aroclor-1221	<400	<200	<1000	<200	20
Aroclor-1232	<400	<200	<1000	<200	20
Aroclor-1242	<400	<200	<1000	<200	20
Aroclor-1248	**2200**	<200	**1800**	<200	20
Aroclor-1254	<400	<200	<1000	<200	20
Aroclor-1260	<400	<200	<1000	<200	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	0.00 [1]	0.00 [1]	0.00 [1]	0.00 [1]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Concrete
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/28/05	11/28/05	
Date Prepared:	11/30/05	11/30/05	
Date Analyzed:	12/06/05	12/06/05	
AA ID No:	5K29001-16	5K29001-17	
Client ID No:	41-CS-0.3	74-CS-0.3	
Dilution Factor:	20000	100	MRL
8082 PCBs (EPA 8082)			
Aroclor-1016	<400000	<2000	20
Aroclor-1221	<400000	<2000	20
Aroclor-1232	<400000	<2000	20
Aroclor-1242	<400000	<2000	20
Aroclor-1248	**3300000**	**5600**	20
Aroclor-1254	<400000	<2000	20
Aroclor-1260	<400000	<2000	20
Surrogates			**%REC Limits**
Tetrachloro-meta-xylene	0.00 [1]	0.00 [1]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/28/05	11/28/05	11/28/05	11/28/05	
Date Prepared:	11/30/05	11/30/05	11/30/05	11/30/05	
Date Analyzed:	12/06/05	12/06/05	12/06/05	12/06/05	
AA ID No:	5K29001-04	5K29001-05	5K29001-06	5K29001-07	
Client ID No:	51-SS-3.0	51-SS-6.9	38-SS-8.1	38-SS-16.0	
Dilution Factor:	1	1	10	1	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<20	<20	<200	<20	20
Aroclor-1221	<20	<20	<200	<20	20
Aroclor-1232	<20	<20	<200	<20	20
Aroclor-1242	<20	<20	<200	<20	20
Aroclor-1248	<20	<20	**680**	<20	20
Aroclor-1254	<20	<20	<200	<20	20
Aroclor-1260	<20	<20	<200	<20	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	67.0%	78.0%	0.00 [1]	78.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/28/05	11/28/05	11/28/05	11/28/05	
Date Prepared:	11/30/05	11/30/05	11/30/05	11/30/05	
Date Analyzed:	12/06/05	12/06/05	12/06/05	12/06/05	
AA ID No:	5K29001-08	5K29001-09	5K29001-10	5K29001-11	
Client ID No:	37-SS-8.1	37-SS-16.1	26-SS-5.2	26-SS-8.8	
Dilution Factor:	5	1	5	1	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<100	<20	<100	<20	20
Aroclor-1221	<100	<20	<100	<20	20
Aroclor-1232	<100	<20	<100	<20	20
Aroclor-1242	<100	<20	<100	<20	20
Aroclor-1248	<100	<20	<100	**200**	20
Aroclor-1254	<100	<20	<100	<20	20
Aroclor-1260	<100	<20	<100	<20	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	52.0%	75.8%	60.0%	72.6%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/28/05	11/28/05	
Date Prepared:	12/02/05	12/02/05	
Date Analyzed:	12/05/05	12/05/05	
AA ID No:	5K29001-02	5K29001-03	
Client ID No:	52-SS-3.0	52-SS-7.0	
Dilution Factor:	1	1	MRL
8270C (EPA 8270C)			
3,3´-Dichlorobenzidine	<0.40	<0.40	0.40
Acenaphthene	<0.10	<0.10	0.10
Acenaphthylene	<0.10	<0.10	0.10
Aniline	<0.20	<0.20	0.20
Anthracene	<0.10	<0.10	0.10
Azobenzene	<0.10	<0.10	0.10
Benzidine	<0.40	<0.40	0.40
Benzo(a)anthracene	<0.10	<0.10	0.10
Benzo(a)pyrene	<0.10	<0.10	0.10
Benzo(b)fluoranthene	<0.10	<0.10	0.10
Benzo(g,h,i)perylene	<0.10	<0.10	0.10
Benzoic acid	<1.0	<1.0	1.0
Benzo(k)fluoranthene	<0.10	<0.10	0.10
Benzyl alcohol	<0.10	<0.10	0.10
4-Bromophenyl phenyl ether	<0.10	<0.10	0.10
Butyl benzyl phthalate	<0.50	<0.50	0.50
4-Chloro-3-methylphenol	<0.20	<0.20	0.20
4-Chloroaniline	<0.40	<0.40	0.40
Bis(2-chloroethoxy)methane	<0.10	<0.10	0.10
Bis(2-chloroethyl)ether	<0.10	<0.10	0.10
Bis(2-chloroisopropyl)ether	<0.10	<0.10	0.10
2-Chloronaphthalene	<0.10	<0.10	0.10
2-Chlorophenol	<0.10	<0.10	0.10
4-Chlorophenyl phenyl ether	<0.10	<0.10	0.10
Chrysene	<0.10	<0.10	0.10
Dibenzo(a,h)anthracene	<0.10	<0.10	0.10
Dibenzofuran	<0.10	<0.10	0.10

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/28/05	11/28/05	
Date Prepared:	12/02/05	12/02/05	
Date Analyzed:	12/05/05	12/05/05	
AA ID No:	5K29001-02	5K29001-03	
Client ID No:	52-SS-3.0	52-SS-7.0	
Dilution Factor:	1	1	MRL
8270C (EPA 8270C) (continued)			
Di-n-butyl phthalate	<2.0	<2.0	2.0
1,2-Dichlorobenzene	<0.10	<0.10	0.10
1,3-Dichlorobenzene	<0.10	<0.10	0.10
1,4-Dichlorobenzene	<0.10	<0.10	0.10
2,4-Dichlorophenol	<0.10	<0.10	0.10
Diethyl phthalate	<0.80	<0.80	0.80
2,4-Dimethylphenol	<0.10	<0.10	0.10
Dimethyl phthalate	<0.20	<0.20	0.20
4,6-Dinitro-2-methylphenol	<0.20	<0.20	0.20
2,4-Dinitrophenol	<0.40	<0.40	0.40
2,6-Dinitrotoluene	<0.10	<0.10	0.10
2,4-Dinitrotoluene	<0.10	<0.10	0.10
Di-n-octyl phthalate	<0.10	<0.10	0.10
1,2-Diphenylhydrazine	<0.10	<0.10	0.10
Bis(2-ethylhexyl)phthalate	<0.20	<0.20	0.20
Fluoranthene	<0.10	<0.10	0.10
Fluorene	<0.10	<0.10	0.10
Hexachlorobenzene	<0.10	<0.10	0.10
Hexachlorobutadiene	<0.10	<0.10	0.10
Hexachlorocyclopentadiene	<0.10	<0.10	0.10
Hexachloroethane	<0.10	<0.10	0.10
Indeno (1,2,3-cd) pyrene	<0.40	<0.40	0.40
Isophorone	<0.10	<0.10	0.10
2-Methylnaphthalene	<0.10	<0.10	0.10
2-Methylphenol	<0.20	<0.20	0.20
3-Methylphenol	<0.20	<0.20	0.20
4-Methylphenol	<0.20	<0.20	0.20

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/28/05	11/28/05	
Date Prepared:	12/02/05	12/02/05	
Date Analyzed:	12/05/05	12/05/05	
AA ID No:	5K29001-02	5K29001-03	
Client ID No:	52-SS-3.0	52-SS-7.0	
Dilution Factor:	1	1	MRL
8270C (EPA 8270C) (continued)			
Naphthalene	<0.10	<0.10	0.10
4-Nitroaniline	<0.50	<0.50	0.50
3-Nitroaniline	<0.40	<0.40	0.40
2-Nitroaniline	<0.10	<0.10	0.10
Nitrobenzene	<0.10	<0.10	0.10
2-Nitrophenol	<0.20	<0.20	0.20
4-Nitrophenol	<0.20	<0.20	0.20
N-Nitrosodimethylamine	<0.10	<0.10	0.10
N-Nitrosodiphenylamine	<0.10	<0.10	0.10
N-Nitrosodi-n-propylamine	<0.10	<0.10	0.10
Pentachlorophenol	<0.10	<0.10	0.10
Phenanthrene	<0.10	<0.10	0.10
Phenol	<0.10	<0.10	0.10
Pyrene	<0.10	<0.10	0.10
1,2,4-Trichlorobenzene	<0.10	<0.10	0.10
2,4,5-Trichlorophenol	<0.20	<0.20	0.20
2,4,6-Trichlorophenol	<0.20	<0.20	0.20

Surrogates			**%REC Limits**
2-Fluorobiphenyl	45.8%	61.2%	43-116
2-Fluorophenol	33.0%	39.0%	21-100
Nitrobenzene-d5	38.8%	49.0%	35-134
Phenol-d6	33.5%	41.5%	10-94
Terphenyl-dl4	37.2%	48.4%	33-141
2,4,6-Tribromophenol	12.4%	26.3%	10-123

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/28/05	11/28/05	11/28/05	11/28/05	
Date Prepared:	11/29/05	11/29/05	11/29/05	11/29/05	
Date Analyzed:	11/29/05	11/29/05	11/29/05	11/29/05	
AA ID No:	5K29001-04	5K29001-05	5K29001-06	5K29001-07	
Client ID No:	51-SS-3.0	51-SS-6.9	38-SS-8.1	38-SS-16.0	
Dilution Factor:	1	1	1	1	MRL
TPH as Stoddard Solvent (5035) (EPA 8260M/5035)					
Stoddard Solvent	<0.50	<0.50	<0.50	<0.50	0.50
Surrogates					**%REC Limits**
Toluene-d8	106%	104%	106%	104%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/28/05	11/28/05	
Date Prepared:	11/29/05	11/29/05	
Date Analyzed:	11/29/05	11/29/05	
AA ID No:	5K29001-08	5K29001-09	
Client ID No:	37-SS-8.1	37-SS-16.1	
Dilution Factor:	1	1	MRL
TPH as Stoddard Solvent (5035) (EPA 8260M/5035)			
Stoddard Solvent	<0.50	<0.50	0.50
Surrogates			**%REC Limits**
Toluene-d8	106%	104%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563018
Project No:	10627.000.0	**Date Received:**	11/28/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Sample Matrix:	Water	**Units:**	ug/L
Method:	Purgeable Volatile Organic Compounds by GC/MS		

Date Sampled:	11/28/05	
Date Prepared:	11/29/05	
Date Analyzed:	11/29/05	
AA ID No:	5K29001-01	
Client ID No:	TB-112805-02	
Dilution Factor:	1	MRL
TPH as Stoddard Solvent (EPA 8260M)		
Stoddard Solvent	<100	100
Surrogates		**%REC Limits**
Toluene-d8	100%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/28/05	11/28/05	11/28/05	11/28/05	
Date Prepared:	11/29/05	11/29/05	11/29/05	11/29/05	
Date Analyzed:	11/29/05	11/29/05	11/29/05	11/29/05	
AA ID No:	5K29001-04	5K29001-05	5K29001-06	5K29001-07	
Client ID No:	51-SS-3.0	51-SS-6.9	38-SS-8.1	38-SS-16.0	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035)					
Acetone	**61**	**85**	<50	<50	50
tert-Amyl Methyl Ether (TAME)	<5.0	<5.0	<5.0	<5.0	5.0
Benzene	<2.0	<2.0	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	<50	<50	50
tert-Butyl alcohol (TBA)	<20	<20	<20	<20	20
sec-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	<10	<10	10
Dibromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/28/05	11/28/05	11/28/05	11/28/05	
Date Prepared:	11/29/05	11/29/05	11/29/05	11/29/05	
Date Analyzed:	11/29/05	11/29/05	11/29/05	11/29/05	
AA ID No:	5K29001-04	5K29001-05	5K29001-06	5K29001-07	
Client ID No:	51-SS-3.0	51-SS-6.9	38-SS-8.1	38-SS-16.0	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
Diisopropyl ether (DIPE)	<5.0	<5.0	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	<2.0	<2.0	2.0
Ethyl-tert-Butyl Ether (ETBE)	<5.0	<5.0	<5.0	<5.0	5.0
Hexachlorobutadiene	<10	<10	<10	<10	10
2-Hexanone (MBK)	<50	<50	<50	<50	50
Isopropylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	<50	<50	50
Naphthalene	<10	<10	<10	<10	10
n-Propylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/28/05	11/28/05	11/28/05	11/28/05	
Date Prepared:	11/29/05	11/29/05	11/29/05	11/29/05	
Date Analyzed:	11/29/05	11/29/05	11/29/05	11/29/05	
AA ID No:	5K29001-04	5K29001-05	5K29001-06	5K29001-07	
Client ID No:	51-SS-3.0	51-SS-6.9	38-SS-8.1	38-SS-16.0	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	<5.0	<5.0	<5.0	5.0
Toluene	<2.0	<2.0	<2.0	<2.0	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Trichloroethylene (TCE)	<5.0	<5.0	<5.0	<5.0	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	<5.0	<5.0	5.0
o-Xylene	<2.0	<2.0	<2.0	<2.0	2.0
m,p-Xylenes	<2.0	<2.0	<2.0	<2.0	2.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	114%	106%	108%	104%	80-120
Dibromofluoromethane	98.1%	106%	92.1%	96.2%	80-120
Toluene-d8	106%	104%	106%	106%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/28/05	11/28/05	
Date Prepared:	11/29/05	11/29/05	
Date Analyzed:	11/29/05	11/29/05	
AA ID No:	5K29001-08	5K29001-09	
Client ID No:	37-SS-8.1	37-SS-16.1	
Dilution Factor:	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035)			
Acetone	<50	<50	50
tert-Amyl Methyl Ether (TAME)	<5.0	<5.0	5.0
Benzene	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	50
tert-Butyl alcohol (TBA)	<20	<20	20
sec-Butylbenzene	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	10
Dibromochloromethane	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/28/05	11/28/05	
Date Prepared:	11/29/05	11/29/05	
Date Analyzed:	11/29/05	11/29/05	
AA ID No:	5K29001-08	5K29001-09	
Client ID No:	37-SS-8.1	37-SS-16.1	
Dilution Factor:	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)			
1,2-Dichlorobenzene	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	5.0
1,1-Dichloroethane	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	5.0
Diisopropyl ether (DIPE)	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	2.0
Ethyl-tert-Butyl Ether (ETBE)	<5.0	<5.0	5.0
Hexachlorobutadiene	<10	<10	10
2-Hexanone (MBK)	<50	<50	50
Isopropylbenzene	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	50
Naphthalene	<10	<10	10
n-Propylbenzene	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/28/05	11/28/05	
Date Prepared:	11/29/05	11/29/05	
Date Analyzed:	11/29/05	11/29/05	
AA ID No:	5K29001-08	5K29001-09	
Client ID No:	37-SS-8.1	37-SS-16.1	
Dilution Factor:	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)			
1,1,2,2-Tetrachloroethane	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	<5.0	5.0
Toluene	<2.0	<2.0	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	5.0
Trichloroethylene (TCE)	<5.0	<5.0	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	5.0
o-Xylene	<2.0	<2.0	2.0
m,p-Xylenes	<2.0	<2.0	2.0
Surrogates			**%REC Limits**
4-Bromofluorobenzene	108%	108%	80-120
Dibromofluoromethane	100%	96.1%	80-120
Toluene-d8	104%	104%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: ug/L

Date Sampled:	11/28/05	
Date Prepared:	11/29/05	
Date Analyzed:	11/29/05	
AA ID No:	5K29001-01	
Client ID No:	TB-112805-02	
Dilution Factor:	1	MRL
8260B Full List (EPA 8260B)		
Acetone	<10	10
Benzene	<0.50	0.50
Bromobenzene	<0.50	0.50
Bromochloromethane	<0.50	0.50
Bromodichloromethane	<0.50	0.50
Bromoform	<0.50	0.50
Bromomethane	<0.50	0.50
2-Butanone (MEK)	<10	10
tert-Butylbenzene	<0.50	0.50
sec-Butylbenzene	<0.50	0.50
n-Butylbenzene	<0.50	0.50
Carbon Disulfide	<0.50	0.50
Carbon Tetrachloride	<0.50	0.50
Chlorobenzene	<0.50	0.50
Chloroethane	<0.50	0.50
Chloroform	<0.50	0.50
Chloromethane	<0.50	0.50
4-Chlorotoluene	<0.50	0.50
2-Chlorotoluene	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	1.0
Dibromochloromethane	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	0.50
Dibromomethane	<0.50	0.50
1,2-Dichlorobenzene	<0.50	0.50
1,4-Dichlorobenzene	<0.50	0.50
1,3-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: ug/L

Date Sampled:	11/28/05	
Date Prepared:	11/29/05	
Date Analyzed:	11/29/05	
AA ID No:	5K29001-01	
Client ID No:	TB-112805-02	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B) (continued)

1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
Ethylbenzene	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	<0.50	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	<2.0	2.0
n-Propylbenzene	<0.50	0.50
Styrene	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: ug/L

Date Sampled:	11/28/05	
Date Prepared:	11/29/05	
Date Analyzed:	11/29/05	
AA ID No:	5K29001-01	
Client ID No:	TB-112805-02	
Dilution Factor:	1	MRL
8260B Full List (EPA 8260B) (continued)		
Toluene	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	0.50
1,1,2-Trichloroethane	<0.50	0.50
1,1,1-Trichloroethane	<0.50	0.50
Trichloroethylene (TCE)	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	0.50
1,2,3-Trichloropropane	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	0.50
Vinyl chloride	<0.50	0.50
o-Xylene	<0.50	0.50
m,p-Xylenes	<1.0	1.0

Surrogates		**%REC Limits**
4-Bromofluorobenzene	98.0%	80-120
Dibromofluoromethane	86.0%	80-120
Toluene-d8	104%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Total Metals CAM 17

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/28/05	11/28/05	11/28/05	11/28/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	12/02/05	
AA ID No:	5K29001-02	5K29001-03	5K29001-06	5K29001-07	
Client ID No:	52-SS-3.0	52-SS-7.0	38-SS-8.1	38-SS-16.0	
Dilution Factor:	1	1	1	1	MRL
Mercury Total EPA 7470A/7471A (EPA 7471A)					
Mercury	**0.051**	**0.055**	**0.055**	**0.046**	0.020

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Total Metals CAM 17

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/28/05	11/28/05	
Date Prepared:	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	
AA ID No:	5K29001-08	5K29001-09	
Client ID No:	37-SS-8.1	37-SS-16.1	
Dilution Factor:	1	1	MRL
Mercury Total EPA 7470A/7471A (EPA 7471A)			
Mercury	**0.054**	**0.055**	0.020

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Total Metals CAM 17

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/28/05	11/28/05	11/28/05	11/28/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	12/02/05	
AA ID No:	5K29001-02	5K29001-03	5K29001-06	5K29001-07	
Client ID No:	52-SS-3.0	52-SS-7.0	38-SS-8.1	38-SS-16.0	
Dilution Factor:	1	1	1	1	MRL
CAM Metals Less Hg 6000/7000 (EPA 6010B/7000)					
Antimony	<10	<10	<10	<10	10
Arsenic	<0.50	<0.50	**4.0**	**0.78**	0.50
Barium	**110**	**150**	**99**	**36**	10
Beryllium	<1.0	<1.0	<1.0	<1.0	1.0
Cadmium	<1.0	<1.0	<1.0	<1.0	1.0
Chromium	**14**	**18**	**14**	**3.8**	3.0
Cobalt	**8.4**	**10**	**8.2**	<3.0	3.0
Copper	**19**	**26**	**18**	**4.5**	3.0
Lead	**9.3**	**11**	**8.0**	<3.0	3.0
Molybdenum	<5.0	<5.0	<5.0	<5.0	5.0
Nickel	**6.8**	**9.2**	**6.8**	<3.0	3.0
Selenium	<0.50	<0.50	<0.50	<0.50	0.50
Silver	<1.0	<1.0	<1.0	<1.0	1.0
Thallium	<5.0	<5.0	<5.0	<5.0	5.0
Vanadium	**34**	**36**	**33**	**15**	10
Zinc	**55**	**63**	**50**	**17**	3.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Total Metals CAM 17

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	11/28/05	11/28/05	
Date Prepared:	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	
AA ID No:	5K29001-08	5K29001-09	
Client ID No:	37-SS-8.1	37-SS-16.1	
Dilution Factor:	1	1	MRL
CAM Metals Less Hg 6000/7000 (EPA 6010B/7000)			
Antimony	<10	<10	10
Arsenic	<0.50	<0.50	0.50
Barium	**120**	**37**	10
Beryllium	<1.0	<1.0	1.0
Cadmium	<1.0	<1.0	1.0
Chromium	**16**	**5.5**	3.0
Cobalt	**8.8**	<3.0	3.0
Copper	**19**	**6.6**	3.0
Lead	**8.5**	<3.0	3.0
Molybdenum	<5.0	<5.0	5.0
Nickel	**7.3**	<3.0	3.0
Selenium	<0.50	<0.50	0.50
Silver	<1.0	<1.0	1.0
Thallium	<5.0	<5.0	5.0
Vanadium	**36**	**20**	10
Zinc	**55**	**18**	3.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0208 - EPA 3550B										
Blank (B5L0208-BLK1)				Prepared: 12/02/05 Analyzed: 12/05/05						
3,3´-Dichlorobenzidine	<0.40	0.40	mg/kg							
Acenaphthene	<0.10	0.10	mg/kg							
Acenaphthylene	<0.10	0.10	mg/kg							
Aniline	<0.20	0.20	mg/kg							
Anthracene	<0.10	0.10	mg/kg							
Azobenzene	<0.10	0.10	mg/kg							
Benzidine	<0.40	0.40	mg/kg							
Benzo(a)anthracene	<0.10	0.10	mg/kg							
Benzo(a)pyrene	<0.10	0.10	mg/kg							
Benzo(b)fluoranthene	<0.10	0.10	mg/kg							
Benzo(g,h,i)perylene	<0.10	0.10	mg/kg							
Benzoic acid	<1.0	1.0	mg/kg							
Benzo(k)fluoranthene	<0.10	0.10	mg/kg							
Benzyl alcohol	<0.10	0.10	mg/kg							
4-Bromophenyl phenyl ether	<0.10	0.10	mg/kg							
Butyl benzyl phthalate	<0.50	0.50	mg/kg							
4-Chloro-3-methylphenol	<0.20	0.20	mg/kg							
4-Chloroaniline	<0.40	0.40	mg/kg							
Bis(2-chloroethoxy)methane	<0.10	0.10	mg/kg							
Bis(2-chloroethyl)ether	<0.10	0.10	mg/kg							
Bis(2-chloroisopropyl)ether	<0.10	0.10	mg/kg							
2-Chloronaphthalene	<0.10	0.10	mg/kg							
2-Chlorophenol	<0.10	0.10	mg/kg							
4-Chlorophenyl phenyl ether	<0.10	0.10	mg/kg							
Chrysene	<0.10	0.10	mg/kg							
Dibenzo(a,h)anthracene	<0.10	0.10	mg/kg							
Dibenzofuran	<0.10	0.10	mg/kg							
Di-n-butyl phthalate	<2.0	2.0	mg/kg							
1,2-Dichlorobenzene	<0.10	0.10	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0208 - EPA 3550B										
Blank (B5L0208-BLK1) Continued				Prepared: 12/02/05 Analyzed: 12/05/05						
1,3-Dichlorobenzene	<0.10	0.10	mg/kg							
1,4-Dichlorobenzene	<0.10	0.10	mg/kg							
2,4-Dichlorophenol	<0.10	0.10	mg/kg							
Diethyl phthalate	<0.80	0.80	mg/kg							
2,4-Dimethylphenol	<0.10	0.10	mg/kg							
Dimethyl phthalate	<0.20	0.20	mg/kg							
4,6-Dinitro-2-methylphenol	<0.20	0.20	mg/kg							
2,4-Dinitrophenol	<0.40	0.40	mg/kg							
2,6-Dinitrotoluene	<0.10	0.10	mg/kg							
2,4-Dinitrotoluene	<0.10	0.10	mg/kg							
Di-n-octyl phthalate	<0.10	0.10	mg/kg							
1,2-Diphenylhydrazine	<0.10	0.10	mg/kg							
Bis(2-ethylhexyl)phthalate	<0.20	0.20	mg/kg							
Fluoranthene	<0.10	0.10	mg/kg							
Fluorene	<0.10	0.10	mg/kg							
Hexachlorobenzene	<0.10	0.10	mg/kg							
Hexachlorobutadiene	<0.10	0.10	mg/kg							
Hexachlorocyclopentadiene	<0.10	0.10	mg/kg							
Hexachloroethane	<0.10	0.10	mg/kg							
Indeno (1,2,3-cd) pyrene	<0.40	0.40	mg/kg							
Isophorone	<0.10	0.10	mg/kg							
2-Methylnaphthalene	<0.10	0.10	mg/kg							
2-Methylphenol	<0.20	0.20	mg/kg							
3-Methylphenol	<0.20	0.20	mg/kg							
4-Methylphenol	<0.20	0.20	mg/kg							
Naphthalene	<0.10	0.10	mg/kg							
4-Nitroaniline	<0.50	0.50	mg/kg							
3-Nitroaniline	<0.40	0.40	mg/kg							
2-Nitroaniline	<0.10	0.10	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0208 - EPA 3550B										
Blank (B5L0208-BLK1) Continued				Prepared: 12/02/05 Analyzed: 12/05/05						
Nitrobenzene	<0.10	0.10	mg/kg							
2-Nitrophenol	<0.20	0.20	mg/kg							
4-Nitrophenol	<0.20	0.20	mg/kg							
N-Nitrosodimethylamine	<0.10	0.10	mg/kg							
N-Nitrosodiphenylamine	<0.10	0.10	mg/kg							
N-Nitrosodi-n-propylamine	<0.10	0.10	mg/kg							
Pentachlorophenol	<0.10	0.10	mg/kg							
Phenanthrene	<0.10	0.10	mg/kg							
Phenol	<0.10	0.10	mg/kg							
Pyrene	<0.10	0.10	mg/kg							
1,2,4-Trichlorobenzene	<0.10	0.10	mg/kg							
2,4,5-Trichlorophenol	<0.20	0.20	mg/kg							
2,4,6-Trichlorophenol	<0.20	0.20	mg/kg							
Surrogate: 2-Fluorobiphenyl	*0.672*		*mg/kg*	*1.00*		*67.2*	*43-116*			
Surrogate: 2-Fluorophenol	*0.936*		*mg/kg*	*2.00*		*46.8*	*21-100*			
Surrogate: Nitrobenzene-d5	*0.572*		*mg/kg*	*1.00*		*57.2*	*35-134*			
Surrogate: Phenol-d6	*0.952*		*mg/kg*	*2.00*		*47.6*	*10-94*			
Surrogate: Terphenyl-dl4	*0.544*		*mg/kg*	*1.00*		*54.4*	*33-141*			
Surrogate: 2,4,6-Tribromophenol	*0.556*		*mg/kg*	*2.00*		*27.8*	*10-123*			
LCS (B5L0208-BS1)				Prepared: 12/02/05 Analyzed: 12/05/05						
Acenaphthene	**0.514**	0.10	mg/kg	1.00		51.4	50-121			
Anthracene	**0.482**	0.10	mg/kg	1.00		48.2	41-121			
Benzo(a)pyrene	**0.358**	0.10	mg/kg	1.00		35.8	17-163			
Benzo(b)fluoranthene	**0.350**	0.10	mg/kg	1.00		35.0	33-137			
Butyl benzyl phthalate	**0.650**	0.50	mg/kg	1.00		65.0	19-139			
4-Chloro-3-methylphenol	**0.468**	0.20	mg/kg	1.00		46.8	22-147			
Bis(2-chloroethyl)ether	**0.540**	0.10	mg/kg	1.00		54.0	26-122			
2-Chloronaphthalene	**0.544**	0.10	mg/kg	1.00		54.4	60-118			
4-Chlorophenyl phenyl ether	**0.500**	0.10	mg/kg	1.00		50.0	41-128			
1,4-Dichlorobenzene	**0.466**	0.10	mg/kg	1.00		46.6	26-105			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0208 - EPA 3550B										
LCS (B5L0208-BS1) Continued				Prepared: 12/02/05 Analyzed: 12/05/05						
2,4-Dichlorophenol	**0.520**	0.10	mg/kg	1.00		52.0	39-135			
Di-n-octyl phthalate	**1.05**	0.10	mg/kg	1.00		105	4-146			
Fluoranthene	**0.322**	0.10	mg/kg	1.00		32.2	47-125			
Fluorene	**0.486**	0.10	mg/kg	1.00		48.6	60-120			
Hexachlorobenzene	**0.630**	0.10	mg/kg	1.00		63.0	2-152			
Hexachlorobutadiene	**0.566**	0.10	mg/kg	1.00		56.6	24-116			
Hexachloroethane	**0.576**	0.10	mg/kg	1.00		57.6	40-113			
Isophorone	**0.492**	0.10	mg/kg	1.00		49.2	21-196			
Naphthalene	**0.548**	0.10	mg/kg	1.00		54.8	25-121			
Nitrobenzene	**0.504**	0.10	mg/kg	1.00		50.4	38-133			
2-Nitrophenol	**1.61**	0.20	mg/kg	1.00		161	2-163			
N-Nitrosodi-n-propylamine	**0.628**	0.10	mg/kg	1.00		62.8	2-230			
Pentachlorophenol	**0.163**	0.10	mg/kg	1.00		16.3	14-176			
Phenol	**0.438**	0.10	mg/kg	1.00		43.8	5-112			
Pyrene	**0.448**	0.10	mg/kg	1.00		44.8	52-115			
1,2,4-Trichlorobenzene	**0.504**	0.10	mg/kg	1.00		50.4	44-142			
2,4,6-Trichlorophenol	**0.224**	0.20	mg/kg	1.00		22.4	37-144			
Surrogate: 2-Fluorobiphenyl	*0.321*		*mg/kg*	*0.250*		*128*	*43-116*			
Surrogate: 2-Fluorophenol	*0.449*		*mg/kg*	*0.500*		*89.8*	*21-100*			
Surrogate: Nitrobenzene-d5	*0.257*		*mg/kg*	*0.250*		*103*	*35-134*			
Surrogate: Phenol-d6	*0.464*		*mg/kg*	*2.00*		*23.2*	*10-94*			
Surrogate: Terphenyl-dl4	*0.239*		*mg/kg*	*0.250*		*95.6*	*33-141*			
Surrogate: 2,4,6-Tribromophenol	*0.556*		*mg/kg*	*0.500*		*111*	*10-123*			
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5L0120 - EPA 3550B										
Blank (B5L0120-BLK1)				Prepared: 11/30/05 Analyzed: 12/06/05						
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5L0120 - EPA 3550B										
Blank (B5L0120-BLK1) Continued				Prepared: 11/30/05		Analyzed: 12/06/05				
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*3.33*		*ug/kg*	*5.00*		*66.6*	*50-150*			
LCS (B5L0120-BS1)				Prepared: 11/30/05		Analyzed: 12/06/05				
Aroclor-1016	**42.9**	20	ug/kg	50.0		85.8	60-140			
Aroclor-1260	**42.9**	20	ug/kg	50.0		85.8	60-140			
Surrogate: Tetrachloro-meta-xylene	*3.30*		*ug/kg*	*5.00*		*66.0*	*50-150*			
Matrix Spike (B5L0120-MS1)		**Source: 5K29001-05**		Prepared: 11/30/05		Analyzed: 12/13/05				
Aroclor-1016	**51.7**	20	ug/kg	50.0	<20	103	50-150			
Aroclor-1260	**50.3**	20	ug/kg	50.0	<20	101	50-150			
Surrogate: Tetrachloro-meta-xylene	*3.55*		*ug/kg*	*5.00*		*71.0*	*50-150*			
Matrix Spike Dup (B5L0120-MSD1)		**Source: 5K29001-05**		Prepared: 11/30/05		Analyzed: 12/13/05				
Aroclor-1016	**53.4**	20	ug/kg	50.0	<20	107	50-150	3.24	40	
Aroclor-1260	**46.6**	20	ug/kg	50.0	<20	93.2	50-150	7.64	40	
Surrogate: Tetrachloro-meta-xylene	*3.90*		*ug/kg*	*5.00*		*78.0*	*50-150*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Blank (B5K3019-BLK1)				Prepared & Analyzed: 11/29/05						
Acetone	<50	50	ug/kg							
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Blank (B5K3019-BLK1) Continued				Prepared & Analyzed: 11/29/05						
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							

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LABORATORY ANALYSIS RESULTS

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Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Blank (B5K3019-BLK1) Continued				Prepared & Analyzed: 11/29/05						
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Ethyl-tert-Butyl Ether (ETBE)	<5.0	5.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							

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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
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Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Blank (B5K3019-BLK1) Continued				Prepared & Analyzed: 11/29/05						
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*101*		*ug/kg*	*100*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*92.2*		*ug/kg*	*100*		*92.2*	*80-120*			
Surrogate: Toluene-d8	*100*		*ug/kg*	*100*		*100*	*80-120*			
LCS (B5K3019-BS1)				Prepared & Analyzed: 11/29/05						
Benzene	**38.4**	2.0	ug/kg	40.0		96.0	75-125			
Bromodichloromethane	**34.6**	5.0	ug/kg	40.0		86.5	75-125			
Bromoform	**30.8**	5.0	ug/kg	40.0		77.0	75-125			
Carbon Tetrachloride	**37.4**	5.0	ug/kg	40.0		93.5	75-125			
Chlorobenzene	**39.6**	5.0	ug/kg	40.0		99.0	75-125			
Chloroethane	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
Chloroform	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
Chloromethane	**43.0**	5.0	ug/kg	40.0		108	75-125			
Dibromochloromethane	**35.2**	5.0	ug/kg	40.0		88.0	75-125			
1,4-Dichlorobenzene	**39.2**	5.0	ug/kg	40.0		98.0	75-125			
1,1-Dichloroethane	**36.6**	5.0	ug/kg	40.0		91.5	75-125			
1,2-Dichloroethane (EDC)	**34.4**	5.0	ug/kg	40.0		86.0	75-125			
trans-1,2-Dichloroethylene	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
cis-1,2-Dichloroethylene	**39.2**	5.0	ug/kg	40.0		98.0	75-125			
1,1-Dichloroethylene	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
1,2-Dichloropropane	**37.4**	5.0	ug/kg	40.0		93.5	75-125			
cis-1,3-Dichloropropylene	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
Ethylbenzene	**39.4**	2.0	ug/kg	40.0		98.5	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.8**	5.0	ug/kg	40.0		89.5	75-125			
Methylene Chloride	**42.8**	50	ug/kg	40.0		107	75-125			
n-Propylbenzene	**42.6**	5.0	ug/kg	40.0		106	75-125			
1,1,2,2-Tetrachloroethane	**38.6**	5.0	ug/kg	40.0		96.5	75-125			
Tetrachloroethylene (PCE)	**40.6**	5.0	ug/kg	40.0		102	75-125			

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
LCS (B5K3019-BS1) Continued				Prepared & Analyzed: 11/29/05						
Toluene	**40.0**	2.0	ug/kg	40.0		100	75-125			
1,1,2-Trichloroethane	**37.0**	5.0	ug/kg	40.0		92.5	75-125			
1,1,1-Trichloroethane	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
Trichloroethylene (TCE)	**39.8**	5.0	ug/kg	40.0		99.5	75-125			
Vinyl chloride	**42.2**	5.0	ug/kg	40.0		106	75-125			
o-Xylene	**38.4**	2.0	ug/kg	40.0		96.0	75-125			
Surrogate: 4-Bromofluorobenzene	*100*		*ug/kg*	*100*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*92.4*		*ug/kg*	*100*		*92.4*	*80-120*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*80-120*			
Matrix Spike (B5K3019-MS1)			**Source: 5K29001-05**	Prepared & Analyzed: 11/29/05						
Benzene	**39.6**	2.0	ug/kg	40.0	<2.0	99.0	70-130			
Bromoform	**30.6**	5.0	ug/kg	40.0	<5.0	76.5	70-130			
Chlorobenzene	**44.4**	5.0	ug/kg	40.0	<5.0	111	70-130			
Chloroform	**35.4**	5.0	ug/kg	40.0	<5.0	88.5	70-130			
1,1-Dichloroethane	**35.6**	5.0	ug/kg	40.0	<5.0	89.0	70-130			
cis-1,2-Dichloroethylene	**38.4**	5.0	ug/kg	40.0	<5.0	96.0	70-130			
1,1-Dichloroethylene	**42.4**	5.0	ug/kg	40.0	<5.0	106	70-130			
1,2-Dichloropropane	**37.4**	5.0	ug/kg	40.0	<5.0	93.5	70-130			
Ethylbenzene	**44.6**	2.0	ug/kg	40.0	<2.0	112	70-130			
Methyl-tert-Butyl Ether (MTBE)	**34.8**	5.0	ug/kg	40.0	<5.0	87.0	70-130			
n-Propylbenzene	**47.2**	5.0	ug/kg	40.0	<5.0	118	70-130			
Tetrachloroethylene (PCE)	**46.0**	5.0	ug/kg	40.0	<5.0	115	70-130			
Toluene	**44.8**	2.0	ug/kg	40.0	<2.0	112	70-130			
1,1,1-Trichloroethane	**38.8**	5.0	ug/kg	40.0	<5.0	97.0	70-130			
Trichloroethylene (TCE)	**41.8**	5.0	ug/kg	40.0	<5.0	104	70-130			
1,3,5-Trimethylbenzene	**45.0**	5.0	ug/kg	40.0	<5.0	112	70-130			
Vinyl chloride	**43.4**	5.0	ug/kg	40.0	<5.0	108	70-130			
Surrogate: 4-Bromofluorobenzene	*108*		*ug/kg*	*100*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*91.0*		*ug/kg*	*100*		*91.0*	*80-120*			
Surrogate: Toluene-d8	*112*		*ug/kg*	*100*		*112*	*80-120*			
Matrix Spike Dup (B5K3019-MSD1)			**Source: 5K29001-05**	Prepared & Analyzed: 11/29/05						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3019 - EPA 5035										
Benzene	**37.8**	2.0	ug/kg	40.0	<2.0	94.5	70-130	4.65	40	
Bromoform	**32.8**	5.0	ug/kg	40.0	<5.0	82.0	70-130	6.94	40	
Chlorobenzene	**40.6**	5.0	ug/kg	40.0	<5.0	102	70-130	8.94	40	
Chloroform	**35.6**	5.0	ug/kg	40.0	<5.0	89.0	70-130	0.563	40	
1,1-Dichloroethane	**35.2**	5.0	ug/kg	40.0	<5.0	88.0	70-130	1.13	40	
cis-1,2-Dichloroethylene	**39.0**	5.0	ug/kg	40.0	<5.0	97.5	70-130	1.55	40	
1,1-Dichloroethylene	**36.2**	5.0	ug/kg	40.0	<5.0	90.5	70-130	15.8	40	
1,2-Dichloropropane	**37.0**	5.0	ug/kg	40.0	<5.0	92.5	70-130	1.08	40	
Ethylbenzene	**40.0**	2.0	ug/kg	40.0	<2.0	100	70-130	10.9	40	
Methyl-tert-Butyl Ether (MTBE)	**33.8**	5.0	ug/kg	40.0	<5.0	84.5	70-130	2.92	40	
n-Propylbenzene	**41.4**	5.0	ug/kg	40.0	<5.0	104	70-130	13.1	40	
Tetrachloroethylene (PCE)	**40.8**	5.0	ug/kg	40.0	<5.0	102	70-130	12.0	40	
Toluene	**40.6**	2.0	ug/kg	40.0	<2.0	102	70-130	9.84	40	
1,1,1-Trichloroethane	**36.6**	5.0	ug/kg	40.0	<5.0	91.5	70-130	5.84	40	
Trichloroethylene (TCE)	**39.2**	5.0	ug/kg	40.0	<5.0	98.0	70-130	6.42	40	
1,3,5-Trimethylbenzene	**39.4**	5.0	ug/kg	40.0	<5.0	98.5	70-130	13.3	40	
Vinyl chloride	**42.0**	5.0	ug/kg	40.0	<5.0	105	70-130	3.28	40	
Surrogate: 4-Bromofluorobenzene	*107*		*ug/kg*	*100*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*96.6*		*ug/kg*	*100*		*96.6*	*80-120*			
Surrogate: Toluene-d8	*106*		*ug/kg*	*100*		*106*	*80-120*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3027 - EPA 5035										
Blank (B5K3027-BLK1)				Prepared & Analyzed: 11/29/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.0992*		*mg/kg*	*0.100*		*99.2*	*80-120*			
LCS (B5K3027-BS1)				Prepared & Analyzed: 11/29/05						
Stoddard Solvent	**1.04**	0.50	mg/kg	1.00		104	75-125			
Surrogate: Toluene-d8	*0.0982*		*mg/kg*	*0.100*		*98.2*	*80-120*			
LCS Dup (B5K3027-BSD1)				Prepared & Analyzed: 11/29/05						
Stoddard Solvent	**1.10**	0.50	mg/kg	1.00		110	75-125	5.61	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5K3027 - EPA 5035										
LCS Dup (B5K3027-BSD1) Continued				Prepared & Analyzed: 11/29/05						
Surrogate: Toluene-d8	*0.0964*		*mg/kg*	*0.100*		*96.4*	*80-120*			
Total Metals CAM 17 - Quality Control										
Batch B5L0516 - EPA 3050B										
Blank (B5L0516-BLK1)				Prepared & Analyzed: 12/02/05						
Antimony	<10	10	mg/kg							
Arsenic	<0.50	0.50	mg/kg							
Barium	<10	10	mg/kg							
Beryllium	<1.0	1.0	mg/kg							
Cadmium	<1.0	1.0	mg/kg							
Chromium	<3.0	3.0	mg/kg							
Cobalt	<3.0	3.0	mg/kg							
Copper	<3.0	3.0	mg/kg							
Lead	<3.0	3.0	mg/kg							
Molybdenum	<5.0	5.0	mg/kg							
Nickel	<3.0	3.0	mg/kg							
Selenium	<0.50	0.50	mg/kg							
Silver	<1.0	1.0	mg/kg							
Thallium	<5.0	5.0	mg/kg							
Vanadium	<10	10	mg/kg							
Zinc	<3.0	3.0	mg/kg							
LCS (B5L0516-BS1)				Prepared & Analyzed: 12/02/05						
Antimony	**51.3**	10	mg/kg	50.0		103	80-120			
Arsenic	**50.8**	0.50	mg/kg	50.0		102	80-120			
Barium	**49.9**	10	mg/kg	50.0		99.8	80-120			
Beryllium	**50.9**	1.0	mg/kg	50.0		102	80-120			
Cadmium	**50.0**	1.0	mg/kg	50.0		100	80-120			
Chromium	**50.4**	3.0	mg/kg	50.0		101	80-120			
Cobalt	**51.0**	3.0	mg/kg	50.0		102	80-120			
Copper	**50.9**	3.0	mg/kg	50.0		102	80-120			

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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B5L0516 - EPA 3050B										
LCS (B5L0516-BS1) Continued				Prepared & Analyzed: 12/02/05						
Lead	**50.5**	3.0	mg/kg	50.0		101	80-120			
Molybdenum	**51.5**	5.0	mg/kg	50.0		103	80-120			
Nickel	**50.0**	3.0	mg/kg	50.0		100	80-120			
Selenium	**51.4**	0.50	mg/kg	50.0		103	80-120			
Silver	**51.0**	1.0	mg/kg	50.0		102	80-120			
Thallium	**50.3**	5.0	mg/kg	50.0		101	80-120			
Vanadium	**50.8**	10	mg/kg	50.0		102	80-120			
Zinc	**51.2**	3.0	mg/kg	50.0		102	80-120			
LCS Dup (B5L0516-BSD1)				Prepared & Analyzed: 12/02/05						
Antimony	**51.6**	10	mg/kg	50.0		103	80-120	0.583	20	
Arsenic	**51.2**	0.50	mg/kg	50.0		102	80-120	0.784	20	
Barium	**50.0**	10	mg/kg	50.0		100	80-120	0.200	20	
Beryllium	**51.2**	1.0	mg/kg	50.0		102	80-120	0.588	20	
Cadmium	**50.4**	1.0	mg/kg	50.0		101	80-120	0.797	20	
Chromium	**50.7**	3.0	mg/kg	50.0		101	80-120	0.593	20	
Cobalt	**51.4**	3.0	mg/kg	50.0		103	80-120	0.781	20	
Copper	**51.2**	3.0	mg/kg	50.0		102	80-120	0.588	20	
Lead	**51.0**	3.0	mg/kg	50.0		102	80-120	0.985	20	
Molybdenum	**52.2**	5.0	mg/kg	50.0		104	80-120	1.35	20	
Nickel	**50.4**	3.0	mg/kg	50.0		101	80-120	0.797	20	
Selenium	**51.8**	0.50	mg/kg	50.0		104	80-120	0.775	20	
Silver	**51.4**	1.0	mg/kg	50.0		103	80-120	0.781	20	
Thallium	**50.6**	5.0	mg/kg	50.0		101	80-120	0.595	20	
Vanadium	**51.0**	10	mg/kg	50.0		102	80-120	0.393	20	
Zinc	**51.6**	3.0	mg/kg	50.0		103	80-120	0.778	20	
Matrix Spike (B5L0516-MS1)		**Source: 5K22009-04**		Prepared & Analyzed: 12/02/05						
Antimony	**50.9**	10	mg/kg	50.0	<10	102	75-125			
Arsenic	**48.6**	0.50	mg/kg	50.0	<0.50	97.2	75-125			
Barium	**164**	10	mg/kg	50.0	110	108	75-125			
Beryllium	**51.1**	1.0	mg/kg	50.0	<1.0	102	75-125			
Cadmium	**47.8**	1.0	mg/kg	50.0	1.7	92.2	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B5L0516 - EPA 3050B										
Matrix Spike (B5L0516-MS1) Continued Source: 5K22009-04 Prepared & Analyzed: 12/02/05										
Chromium	**71.4**	3.0	mg/kg	50.0	23	96.8	75-125			
Cobalt	**53.6**	3.0	mg/kg	50.0	4.5	98.2	75-125			
Copper	**562**	3.0	mg/kg	50.0	510	104	75-125			
Lead	**186**	3.0	mg/kg	50.0	140	92.0	75-125			
Molybdenum	**51.2**	5.0	mg/kg	50.0	<5.0	102	75-125			
Nickel	**59.4**	3.0	mg/kg	50.0	12	94.8	75-125			
Selenium	**45.5**	0.50	mg/kg	50.0	<0.50	91.0	75-125			
Silver	**54.5**	1.0	mg/kg	50.0	<1.0	109	75-125			
Thallium	**49.4**	5.0	mg/kg	50.0	<5.0	98.8	75-125			
Vanadium	**72.9**	10	mg/kg	50.0	23	99.8	75-125			
Zinc	**309**	3.0	mg/kg	50.0	270	78.0	75-125			
Matrix Spike Dup (B5L0516-MSD1) Source: 5K22009-04 Prepared & Analyzed: 12/02/05										
Antimony	**50.2**	10	mg/kg	50.0	<10	100	75-125	1.38	40	
Arsenic	**48.0**	0.50	mg/kg	50.0	<0.50	96.0	75-125	1.24	40	
Barium	**162**	10	mg/kg	50.0	110	104	75-125	1.23	40	
Beryllium	**50.4**	1.0	mg/kg	50.0	<1.0	101	75-125	1.38	40	
Cadmium	**47.3**	1.0	mg/kg	50.0	1.7	91.2	75-125	1.05	40	
Chromium	**70.5**	3.0	mg/kg	50.0	23	95.0	75-125	1.27	40	
Cobalt	**52.8**	3.0	mg/kg	50.0	4.5	96.6	75-125	1.50	40	
Copper	**552**	3.0	mg/kg	50.0	510	84.0	75-125	1.80	40	
Lead	**184**	3.0	mg/kg	50.0	140	88.0	75-125	1.08	40	
Molybdenum	**50.9**	5.0	mg/kg	50.0	<5.0	102	75-125	0.588	40	
Nickel	**58.6**	3.0	mg/kg	50.0	12	93.2	75-125	1.36	40	
Selenium	**45.2**	0.50	mg/kg	50.0	<0.50	90.4	75-125	0.662	40	
Silver	**53.8**	1.0	mg/kg	50.0	<1.0	108	75-125	1.29	40	
Thallium	**48.4**	5.0	mg/kg	50.0	<5.0	96.8	75-125	2.04	40	
Vanadium	**71.8**	10	mg/kg	50.0	23	97.6	75-125	1.52	40	
Zinc	**306**	3.0	mg/kg	50.0	270	72.0	75-125	0.976	40	
Total Metals CAM 17 - Quality Control										
Batch B5L0517 - EPA 7471A Prep										
Blank (B5L0517-BLK1) Prepared & Analyzed: 12/02/05										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B5L0517 - EPA 7471A Prep										
Blank (B5L0517-BLK1) Continued				Prepared & Analyzed: 12/02/05						
Mercury	<0.020	0.020	mg/kg							
LCS (B5L0517-BS1)				Prepared & Analyzed: 12/02/05						
Mercury	**0.966**	0.020	mg/kg	1.00		96.6	85-115			
LCS Dup (B5L0517-BSD1)				Prepared & Analyzed: 12/02/05						
Mercury	**0.953**	0.020	mg/kg	1.00		95.3	85-115	1.35	25	
Matrix Spike (B5L0517-MS1)			**Source: 5K22009-04**	Prepared & Analyzed: 12/02/05						
Mercury	**1.02**	0.020	mg/kg	1.00	0.063	95.7	75-125			
Matrix Spike Dup (B5L0517-MSD1)			**Source: 5K22009-04**	Prepared & Analyzed: 12/02/05						
Mercury	**1.02**	0.020	mg/kg	1.00	0.063	95.7	75-125	0.00	25	
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K3017 - EPA 3550B										
Blank (B5K3017-BLK1)				Prepared & Analyzed: 11/29/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5K3017 - EPA 3550B										
Blank (B5K3017-BLK1) Continued				Prepared & Analyzed: 11/29/05						
Surrogate: o-Terphenyl	*11.7*		*mg/kg*	*10.0*		*117*	*50-150*			
LCS (B5K3017-BS1)				Prepared & Analyzed: 11/29/05						
Diesel Range Organics as Diesel	**177**		mg/kg	200		88.5	75-125			
Surrogate: o-Terphenyl	*12.6*		*mg/kg*	*10.0*		*126*	*50-150*			
Matrix Spike (B5K3017-MS1)		**Source: 5K29001-05**		Prepared & Analyzed: 11/29/05						
Diesel Range Organics as Diesel	**178**		mg/kg	200	0.0	89.0	70-130			
Surrogate: o-Terphenyl	*11.2*		*mg/kg*	*10.0*		*112*	*50-150*			
Matrix Spike Dup (B5K3017-MSD1)		**Source: 5K29001-05**		Prepared & Analyzed: 11/29/05						
Diesel Range Organics as Diesel	**161**		mg/kg	200	0.0	80.5	70-130	10.0	40	
Surrogate: o-Terphenyl	*12.0*		*mg/kg*	*10.0*		*120*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563018
Date Received: 11/28/05
Date Reported: 12/18/05

Special Notes

[1] = S-06 : The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

Viorel Vasile
Operations Manager

MB563018/SK29001

Chain-of-Custody Record

12754

Date: 11/28/05

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	Metals (6010B) *	SVOCs	PCBs (8082)	VOCs (8260B/8015)	TPH Carbon Chain 8015B (modified)					Acidified	No. of containers
11/28/05	—	Temp-112805-02	W																3℃		—	1
	—	TB-112805-02	W												X			SK29001-01			2	2
	0835	52-55-3.0	S									X	X						-02		—	1
	0900	52-55-7.0	S									X	X						-03		—	1
	0915	51-55-3.0	S											X	X	X			-04		—	4
	0935	51-55-6.9	S											X	X	X			-05		—	7
	1055	38-55-8.1	S									X		X	X				-06		—	4
	1120	38-55-16.0	S									X		X	X				-07		—	4
	1150	37-55-8.1	S									X		X	X				-08		—	4
	1220	37-55-16.1	S									X		X	X				-09		—	4
	1415	26-55-5.2	S											X		X			-10		—	1
	1430	26-55-8.8	S											X		X			-11		—	1
	1550	17-CS-0.3	S/C											X					-12		—	2
	1555	18-CS-0.3	S/C											X					-13		—	2
	1600	19-CS-0.3	S/C											X					-14		—	2

Total No. of containers: 40

Turnaround Time: 5-day TAT for TPH, Standard TAT for others

Results To: Linda Conlan / P. Dolong

REMARKS

Additional Comments

Notes to Lab:

For soil samples from sleeves, use "BLACK" cap end of acetate sleeve.

← RUN MS/MSD

* Metals include mercury

C: Concrete

Note to Lab: Each concrete sample is contained in 2 jars. Use all concrete from both jars for sample analysis.

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Thet Naing	11/28/05	Keith Zolezzi	11/28/05		
Printed Name: Thet Naing	Time:	Printed Name: KEITH ZOLEZZI	Time:	Printed Name:	Time:
Company: Geomatrix	1635	Company: AMERICAN ANALYTICS	1825	Company:	
Received (signature): Keith Zolezzi	Date: 11/28/05	Received (signature):	Date: 11/28/05	Received (signature):	Date:
Printed Name: KEITH ZOLEZZI	Time:	Printed Name: VIDEZ VASUE	Time:	Printed Name:	Time:
Company: AMERICAN ANALYTICS	1635	Company: AMERICAN ANALYTICS	1825	Company:	

Method of shipment: Lab Courier (Driller)

Laboratory comments and Log No.:

05NOV 28 17:59 58

approved as workorder 11/28/05 0730 V. Vasile

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MR563018 / SK29001

Chain-of-Custody Record

12755

Date: 11/28/05

Project No.: 10627.000.0

Samplers (Signatures): [signature] Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCBs (8082)								Acidified	No. of containers
11/28/05	1602	35-CS-0.3	SC									X					SK29001	-		15	1
	1605	41-CS-0.3	SC									X						-		16	1
	1606	74-CS-0.3	SC									X						-		17	1

REMARKS

Additional Comments

Note to Lab: Each concrete sample is container in 2 jars. Use all concrete from both jars for sample analysis.

C: concrete

Turnaround Time: 5-day TAT for TPH, Standard TAT for others

Results To: Linda Conlan / Paula Delong

Total No. of containers: 6

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Method of shipment:
[signature]	11/28/05	[signature]	11/29/05			Lab Courier
Printed Name: Thet Naing	Time:	Printed Name: Keith Zuegel	Time:	Printed Name:	Time:	Laboratory comments and Log No.:
Company: Geomatrix	1635	Company: American Analytics	1825	Company:		
Received (signature): [signature]	Date: 11/28/05	Received (signature): [signature]	Date: 11/28/05	Received (signature):	Date:	approved as work order 11/29/05 0730 V. Vorile
Printed Name: Keith Zuegel	Time:	Printed Name: Vladel Varile	Time:	Printed Name:	Time:	
Company: American Analytics	1635	Company: American Analytics	1825	Company:		

05 NOV 28 AM 10:00

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MB563018 / SK29001

Chain-of-Custody Record

12753

Date: 11/28/05

Page 1 of 1

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing / Tammy Yan

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	Metals (6010B)*	SVOCs	PCBs (8082)	VOCs (8260B)	TPH Carbon Chain Solvents (modified)					Acidified	No. of containers
11/28/05	-	Temp-112805-01	W																4°C		-	1
↓	-	TB-112805-01	W												H		SK29001-			18	2	2
↓	1515	EB-112805-01	W				Hold				→	H	H	H	H	H			-	19	4	7

Notes to Lab

* Metals include Mercury

H: Hold, do not analyze

Turnaround Time: Standard TAT

Results To: Linda Conbin / P. Delong

Total No. of containers: 10

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Thet Naing	11/28/05	Keith Zolezzi	11/28/05		
Printed Name: Thet Naing	Time: 1635	Printed Name: Keith Zolezzi	Time: 1825	Printed Name:	Time:
Company: Geomatrix		Company: American Analytics		Company:	
Received (signature):	**Date:**	**Received (signature):**	**Date:**	**Received (signature):**	**Date:**
Keith Zolezzi	11/28/05		11/28/05		
Printed Name: Keith Zolezzi	Time: 1635	Printed Name: Vlorez Varile	Time: 1825	Printed Name:	Time:
Company: American Analytics		Company: American Analytics		Company:	

Method of shipment: Lab Courier (Driller)

Laboratory comments and Log No.:

05 NOV 28 17:59 55

approved as work order 11/29/05 0730 V. Varile

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

December 18, 2005

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563019 / 5K30001

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/29/05 16:47 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563019
Date Received: 11/29/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8082 PCBs					
39-SS-2.2	5K30001-02	Soil	10	11/29/05 11:30	11/29/05 16:47
39-SS-6.3	5K30001-03	Soil	10	11/29/05 11:40	11/29/05 16:47
39-SS-11.0	5K30001-04	Soil	10	11/29/05 11:50	11/29/05 16:47
44-SS-2.8	5K30001-05	Soil	10	11/29/05 13:15	11/29/05 16:47
44-SS-6.6	5K30001-06	Soil	10	11/29/05 13:50	11/29/05 16:47

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563019
Date Received: 11/29/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/29/05	11/29/05	11/29/05	11/29/05	
Date Prepared:	11/30/05	11/30/05	11/30/05	11/30/05	
Date Analyzed:	12/06/05	12/06/05	12/06/05	12/06/05	
AA ID No:	5K30001-02	5K30001-03	5K30001-04	5K30001-05	
Client ID No:	39-SS-2.2	39-SS-6.3	39-SS-11.0	44-SS-2.8	
Dilution Factor:	100	1	1	1	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<2000	<20	<20	<20	20
Aroclor-1221	<2000	<20	<20	<20	20
Aroclor-1232	<2000	<20	<20	<20	20
Aroclor-1242	<2000	<20	<20	<20	20
Aroclor-1248	**6700**	<20	<20	<20	20
Aroclor-1254	<2000	<20	<20	<20	20
Aroclor-1260	<2000	<20	<20	<20	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	0.00 [1]	60.0%	60.8%	76.4%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563019
Date Received: 11/29/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	11/29/05	
Date Prepared:	11/30/05	
Date Analyzed:	12/06/05	
AA ID No:	5K30001-06	
Client ID No:	44-SS-6.6	
Dilution Factor:	1	MRL

8082 PCBs (EPA 8082)

Aroclor-1016	<20	20
Aroclor-1221	<20	20
Aroclor-1232	<20	20
Aroclor-1242	<20	20
Aroclor-1248	<20	20
Aroclor-1254	<20	20
Aroclor-1260	<20	20

Surrogates		**%REC Limits**
Tetrachloro-meta-xylene	66.8%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563019
Date Received: 11/29/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5L0120 - EPA 3550B										
Blank (B5L0120-BLK1)				Prepared: 11/30/05		Analyzed: 12/06/05				
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*3.33*		*ug/kg*	*5.00*		*66.6*	*50-150*			
LCS (B5L0120-BS1)				Prepared: 11/30/05		Analyzed: 12/06/05				
Aroclor-1016	**42.9**	20	ug/kg	50.0		85.8	60-140			
Aroclor-1260	**42.9**	20	ug/kg	50.0		85.8	60-140			
Surrogate: Tetrachloro-meta-xylene	*3.30*		*ug/kg*	*5.00*		*66.0*	*50-150*			
Matrix Spike (B5L0120-MS1)		**Source: 5K29001-05**		Prepared: 11/30/05		Analyzed: 12/13/05				
Aroclor-1016	**51.7**	20	ug/kg	50.0	<20	103	50-150			
Aroclor-1260	**50.3**	20	ug/kg	50.0	<20	101	50-150			
Surrogate: Tetrachloro-meta-xylene	*3.55*		*ug/kg*	*5.00*		*71.0*	*50-150*			
Matrix Spike Dup (B5L0120-MSD1)		**Source: 5K29001-05**		Prepared: 11/30/05		Analyzed: 12/13/05				
Aroclor-1016	**53.4**	20	ug/kg	50.0	<20	107	50-150	3.24	40	
Aroclor-1260	**46.6**	20	ug/kg	50.0	<20	93.2	50-150	7.64	40	
Surrogate: Tetrachloro-meta-xylene	*3.90*		*ug/kg*	*5.00*		*78.0*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563019
Date Received: 11/29/05
Date Reported: 12/18/05

Special Notes

[1] = S-06 : The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

Viorel Vasile
Operations Manager

MB563019/ SK30001

Chain-of-Custody Record

12759

Date: 11/29/05

Project No.: 10627.000-0

Samplers (Signatures):

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	RCRA (8082)								Acidified	No. of containers
11/29/05	—	Temp-112905-01	W																5	—	1
	—	TB-112905-01	W								H				SK30001-				01	Z	2
	1150	39-55-2.2	S									X							-02	—	1
	1140	39-55-6.3	S									X							-03	—	1
	1150	39-55-11.0	S									X							-04	—	1
	1315	44-55-2.8	S									X							-05	—	1
	1350	44-55-6.6	S									X							-06	—	1

ANALYSES

REMARKS

Additional Comments

Notes to Lab:

For soil samples in sleeves, use soil from "BLACK" cap end of the sleeve.

H: Hold, do not analyze

Turnaround Time: Standard TAT

Results To: Linda Conlan / Paula Delong

Total No. of containers: 8

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Thet Naing	11/29/05	Keith Zavezzi	11/29/05		
Printed Name: Thet Naing	Time:	Printed Name: Keith Zavezzi	Time:	Printed Name:	Time:
Company: Geomatrix	1520	Company: American Analytics	1650	Company:	
Received (signature):	Date:	Received (signature):	Date:	Received (signature):	Date:
	11/29/05		11.29.05		
Printed Name: Keith Zavezzi	Time:	Printed Name: Ludmila Glazenko	Time:	Printed Name:	Time:
Company: American Analytics	1520	Company:	16:47	Company:	

Method of shipment: Lab Courier (Driller)

Laboratory comments and Log No.: approved as work order 11/30/05 1100 V. Vonko

05 NOV 29 16:47 10

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MB563019 / SK30001

Chain-of-Custody Record

12758

Date: 11/29/05

Project No.: 10627.000.0

Samplers (Signatures):

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260 VOCs	EPA 8021	Title 22 Metals	Hold	8260 (8082)								Acidified	No. of containers
11/29/05	—	Temp-112905-02	W																	—	1
↓	—	TB-112905-02	W					H								5K30001-07				Z	2
↓	1440	EB-112905-01	S									H						-08		—	1

Additional Comments

Note to Lab:

H: Hold, do not analyze

Turnaround Time: Standard TAT

Results To: Linda Conlan / Paula Delong

Total No. of containers: 4

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Thet Naing	11/29/05	Keith Tolezzi	11/29/05		
Printed Name: Thet Naing	Time:	Printed Name: Keith Tolezzi	Time:	Printed Name:	Time:
Company: Geomatrix	1520	Company: American Analytics	1650	Company:	
Received (signature): Keith Tolezzi	Date: 11/29/05	Received (signature):	Date: 11,29,05	Received (signature):	Date:
Printed Name: Keith Tolezzi	Time:	Printed Name: Ludmila Glazenh	Time: 16:47	Printed Name:	Time:
Company: American Analytics	1520	Company:		Company:	

Method of shipment: Lab Courier (Driver)

Laboratory comments and Log No.: approved as work order 11/30/05 1100 V. Vonte

05 NOV 29 16:47 15

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

December 23, 2005

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563020 / 5L01001

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/30/05 18:03 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8082 PCBs					
02-SS-3.2	5L01001-02	Soil	10	11/30/05 07:40	11/30/05 18:03
10-SS-2.7	5L01001-03	Soil	10	11/30/05 08:00	11/30/05 18:03
72-SS-10.8	5L01001-04	Soil	10	11/30/05 10:25	11/30/05 18:03
72-SS-20.8	5L01001-05	Soil	10	11/30/05 10:50	11/30/05 18:03
30-SS-3.5	5L01001-06	Soil	10	11/30/05 12:10	11/30/05 18:03
30-SS-6.3	5L01001-07	Soil	10	11/30/05 12:30	11/30/05 18:03
30-SS-9.6	5L01001-08	Soil	10	11/30/05 12:40	11/30/05 18:03
47-SS-6.2	5L01001-09	Soil	10	11/30/05 13:20	11/30/05 18:03
47-SS-11.0	5L01001-10	Soil	10	11/30/05 13:40	11/30/05 18:03
70-SS-8.8	5L01001-11	Soil	10	11/30/05 14:20	11/30/05 18:03
70-SS-14.3	5L01001-12	Soil	10	11/30/05 14:30	11/30/05 18:03
70-SS-2.0	5L01001-13	Soil	10	11/30/05 14:50	11/30/05 18:03
10-CS-0.3	5L01001-14	Concrete	10	11/30/05 15:10	11/30/05 18:03
02-CS-0.3	5L01001-15	Concrete	10	11/30/05 15:15	11/30/05 18:03
24-SS-7.5	5L01001-16	Soil	10	11/30/05 15:20	11/30/05 18:03

8260B Full List

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
TB-113005-01	5L01001-01	Water	10	11/30/05 00:00	11/30/05 18:03
8260B/5035 Soil Full List					
30-SS-3.5	5L01001-06	Soil	10	11/30/05 12:10	11/30/05 18:03
30-SS-6.3	5L01001-07	Soil	10	11/30/05 12:30	11/30/05 18:03
30-SS-9.6	5L01001-08	Soil	10	11/30/05 12:40	11/30/05 18:03
CAM Metals Less Hg 6000/7000					
30-SS-3.5	5L01001-06	Soil	10	11/30/05 12:10	11/30/05 18:03
30-SS-6.3	5L01001-07	Soil	10	11/30/05 12:30	11/30/05 18:03
30-SS-9.6	5L01001-08	Soil	10	11/30/05 12:40	11/30/05 18:03
47-SS-6.2	5L01001-09	Soil	10	11/30/05 13:20	11/30/05 18:03
47-SS-11.0	5L01001-10	Soil	10	11/30/05 13:40	11/30/05 18:03
Carbon Chain Characterization 8015M					
30-SS-3.5	5L01001-06	Soil	10	11/30/05 12:10	11/30/05 18:03
30-SS-6.3	5L01001-07	Soil	10	11/30/05 12:30	11/30/05 18:03
30-SS-9.6	5L01001-08	Soil	10	11/30/05 12:40	11/30/05 18:03
47-SS-6.2	5L01001-09	Soil	10	11/30/05 13:20	11/30/05 18:03
47-SS-11.0	5L01001-10	Soil	10	11/30/05 13:40	11/30/05 18:03

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
24-SS-7.5	5L01001-16	Soil	10	11/30/05 15:20	11/30/05 18:03
Mercury Total EPA 7470A/7471A					
30-SS-3.5	5L01001-06	Soil	10	11/30/05 12:10	11/30/05 18:03
30-SS-6.3	5L01001-07	Soil	10	11/30/05 12:30	11/30/05 18:03
30-SS-9.6	5L01001-08	Soil	10	11/30/05 12:40	11/30/05 18:03
47-SS-6.2	5L01001-09	Soil	10	11/30/05 13:20	11/30/05 18:03
47-SS-11.0	5L01001-10	Soil	10	11/30/05 13:40	11/30/05 18:03
Metals STLC					
30-SS-3.5	5L01001-06	Soil	10	11/30/05 12:10	11/30/05 18:03
47-SS-6.2	5L01001-09	Soil	10	11/30/05 13:20	11/30/05 18:03
TPH as Stoddard Solvent					
TB-113005-01	5L01001-01	Water	10	11/30/05 00:00	11/30/05 18:03
TPH as Stoddard Solvent (5035)					
30-SS-3.5	5L01001-06	Soil	10	11/30/05 12:10	11/30/05 18:03
30-SS-6.3	5L01001-07	Soil	10	11/30/05 12:30	11/30/05 18:03
30-SS-9.6	5L01001-08	Soil	10	11/30/05 12:40	11/30/05 18:03

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: mg/kg

Date Sampled:	11/30/05	11/30/05	11/30/05	11/30/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/05/05	12/05/05	12/05/05	12/05/05	
AA ID No:	5L01001-06	5L01001-07	5L01001-08	5L01001-09	
Client ID No:	30-SS-3.5	30-SS-6.3	30-SS-9.6	47-SS-6.2	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	**2.0**	**2.3**	<1.0	1.0
C18-C20	<1.0	**31**	**53**	<1.0	1.0
C20-C22	**2.3**	**78**	**140**	<1.0	1.0
C22-C24	**3.6**	**100**	**200**	**1.9**	1.0
C24-C26	**2.8**	**100**	**240**	**3.6**	1.0
C26-C28	**6.6**	**110**	**120**	**4.1**	1.0
C28-C32	**6.8**	**210**	**210**	**5.9**	1.0
C32-C34	<1.0	**52**	**52**	<1.0	1.0
C34-C36	<1.0	**16**	**26**	<1.0	1.0
C36-C40	<1.0	<1.0	**5.2**	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	**22**	**700**	**1000**	**16**	10
Surrogates					**%REC Limits**
o-Terphenyl	129%	118%	98.0%	98.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: mg/kg

Date Sampled:	11/30/05	11/30/05	
Date Prepared:	12/02/05	12/02/05	
Date Analyzed:	12/05/05	12/05/05	
AA ID No:	5L01001-10	5L01001-16	
Client ID No:	47-SS-11.0	24-SS-7.5	
Dilution Factor:	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)			
C6-C8	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	10
Surrogates			**%REC Limits**
o-Terphenyl	94.0%	138%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Concrete
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	11/30/05	11/30/05	
Date Prepared:	12/02/05	12/02/05	
Date Analyzed:	12/07/05	12/07/05	
AA ID No:	5L01001-14	5L01001-15	
Client ID No:	10-CS-0.3	02-CS-0.3	
Dilution Factor:	500	100	MRL
8082 PCBs (EPA 8082)			
Aroclor-1016	<10000	<2000	20
Aroclor-1221	<10000	<2000	20
Aroclor-1232	<10000	<2000	20
Aroclor-1242	<10000	<2000	20
Aroclor-1248	**32000**	**7200**	20
Aroclor-1254	<10000	<2000	20
Aroclor-1260	<10000	<2000	20
Surrogates			**%REC Limits**
Tetrachloro-meta-xylene	0.00 [1]	0.00 [1]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	11/30/05	11/30/05	11/30/05	11/30/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/07/05	12/07/05	12/07/05	12/07/05	
AA ID No:	5L01001-02	5L01001-03	5L01001-04	5L01001-05	
Client ID No:	02-SS-3.2	10-SS-2.7	72-SS-10.8	72-SS-20.8	
Dilution Factor:	10	5	10	10	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<200	<100	<200	<200	20
Aroclor-1221	<200	<100	<200	<200	20
Aroclor-1232	<200	<100	<200	<200	20
Aroclor-1242	<200	<100	<200	<200	20
Aroclor-1248	<200	**350**	<200	<200	20
Aroclor-1254	<200	<100	<200	<200	20
Aroclor-1260	<200	<100	<200	<200	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	0.00 [1]	64.0%	0.00 [1]	0.00 [1]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	11/30/05	11/30/05	11/30/05	11/30/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/07/05	12/07/05	12/07/05	12/07/05	
AA ID No:	5L01001-06	5L01001-07	5L01001-08	5L01001-09	
Client ID No:	30-SS-3.5	30-SS-6.3	30-SS-9.6	47-SS-6.2	
Dilution Factor:	10	10	10	10	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<200	<200	<200	<200	20
Aroclor-1221	<200	<200	<200	<200	20
Aroclor-1232	<200	<200	<200	<200	20
Aroclor-1242	<200	<200	<200	<200	20
Aroclor-1248	<200	<200	<200	<200	20
Aroclor-1254	<200	<200	<200	<200	20
Aroclor-1260	<200	<200	<200	<200	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	0.00 [1]	0.00 [1]	0.00 [1]	0.00 [1]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	11/30/05	11/30/05	11/30/05	11/30/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/07/05	12/07/05	12/07/05	12/07/05	
AA ID No:	5L01001-10	5L01001-11	5L01001-12	5L01001-13	
Client ID No:	47-SS-11.0	70-SS-8.8	70-SS-14.3	70-SS-2.0	
Dilution Factor:	10	10	10	10	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<200	<200	<200	<200	20
Aroclor-1221	<200	<200	<200	<200	20
Aroclor-1232	<200	<200	<200	<200	20
Aroclor-1242	<200	<200	<200	<200	20
Aroclor-1248	<200	<200	<200	<200	20
Aroclor-1254	<200	<200	<200	<200	20
Aroclor-1260	<200	<200	<200	<200	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	0.00 [1]	0.00 [1]	0.00 [1]	0.00 [1]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	11/30/05	
Date Prepared:	12/02/05	
Date Analyzed:	12/07/05	
AA ID No:	5L01001-16	
Client ID No:	24-SS-7.5	
Dilution Factor:	10	MRL

8082 PCBs (EPA 8082)

Aroclor-1016	<200	20
Aroclor-1221	<200	20
Aroclor-1232	<200	20
Aroclor-1242	<200	20
Aroclor-1248	<200	20
Aroclor-1254	<200	20
Aroclor-1260	<200	20

Surrogates		**%REC Limits**
Tetrachloro-meta-xylene	0.00 [1]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: mg/kg

Date Sampled:	11/30/05	11/30/05	11/30/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	
AA ID No:	5L01001-06	5L01001-07	5L01001-08	
Client ID No:	30-SS-3.5	30-SS-6.3	30-SS-9.6	
Dilution Factor:	1	1	1	MRL
TPH as Stoddard Solvent (5035) (EPA 8260M/5035)				
Stoddard Solvent	<0.50	<0.50	<0.50	0.50
Surrogates				**%REC Limits**
Toluene-d8	102%	106%	108%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: ug/L

Date Sampled:	11/30/05	
Date Prepared:	12/02/05	
Date Analyzed:	12/02/05	
AA ID No:	5L01001-01	
Client ID No:	TB-113005-01	
Dilution Factor:	1	MRL
TPH as Stoddard Solvent (EPA 8260M)		
Stoddard Solvent	<100	100
Surrogates		**%REC Limits**
Toluene-d8	104%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	11/30/05	11/30/05	11/30/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	
AA ID No:	5L01001-06	5L01001-07	5L01001-08	
Client ID No:	30-SS-3.5	30-SS-6.3	30-SS-9.6	
Dilution Factor:	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035)				
Acetone	**60**	<50	<50	50
tert-Amyl Methyl Ether (TAME)	<5.0	<5.0	<5.0	5.0
Benzene	<2.0	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	<50	50
tert-Butyl alcohol (TBA)	<20	<20	<20	20
sec-Butylbenzene	<5.0	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	<10	10
Dibromochloromethane	<5.0	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	5.0

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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	11/30/05	11/30/05	11/30/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	
AA ID No:	5L01001-06	5L01001-07	5L01001-08	
Client ID No:	30-SS-3.5	30-SS-6.3	30-SS-9.6	
Dilution Factor:	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)				
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	5.0
Diisopropyl ether (DIPE)	<5.0	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	<2.0	2.0
Ethyl-tert-Butyl Ether (ETBE)	<5.0	<5.0	<5.0	5.0
Hexachlorobutadiene	<10	<10	<10	10
2-Hexanone (MBK)	<50	<50	<50	50
Isopropylbenzene	<5.0	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	<50	50
Naphthalene	<10	<10	<10	10
n-Propylbenzene	<5.0	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	5.0

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	11/30/05	11/30/05	11/30/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	
AA ID No:	5L01001-06	5L01001-07	5L01001-08	
Client ID No:	30-SS-3.5	30-SS-6.3	30-SS-9.6	
Dilution Factor:	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)				
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	<5.0	<5.0	5.0
Toluene	**3.5**	<2.0	**2.1**	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	5.0
Trichloroethylene (TCE)	<5.0	<5.0	<5.0	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	<5.0	5.0
o-Xylene	<2.0	<2.0	<2.0	2.0
m,p-Xylenes	**2.6**	<2.0	<2.0	2.0

Surrogates				**%REC Limits**
4-Bromofluorobenzene	110%	122%	132%	80-120
Dibromofluoromethane	93.7%	88.0%	94.0%	80-120
Toluene-d8	105%	108%	110%	80-120

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: ug/L

Date Sampled:	11/30/05	
Date Prepared:	12/02/05	
Date Analyzed:	12/02/05	
AA ID No:	5L01001-01	
Client ID No:	TB-113005-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B)

Acetone	<10	10
Benzene	<0.50	0.50
Bromobenzene	<0.50	0.50
Bromochloromethane	<0.50	0.50
Bromodichloromethane	<0.50	0.50
Bromoform	<0.50	0.50
Bromomethane	<0.50	0.50
2-Butanone (MEK)	<10	10
tert-Butylbenzene	<0.50	0.50
sec-Butylbenzene	<0.50	0.50
n-Butylbenzene	<0.50	0.50
Carbon Disulfide	<0.50	0.50
Carbon Tetrachloride	<0.50	0.50
Chlorobenzene	<0.50	0.50
Chloroethane	<0.50	0.50
Chloroform	<0.50	0.50
Chloromethane	<0.50	0.50
4-Chlorotoluene	<0.50	0.50
2-Chlorotoluene	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	1.0
Dibromochloromethane	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	0.50
Dibromomethane	<0.50	0.50
1,2-Dichlorobenzene	<0.50	0.50
1,4-Dichlorobenzene	<0.50	0.50
1,3-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50

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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: ug/L

Date Sampled:	11/30/05	
Date Prepared:	12/02/05	
Date Analyzed:	12/02/05	
AA ID No:	5L01001-01	
Client ID No:	TB-113005-01	
Dilution Factor:	1	MRL
8260B Full List (EPA 8260B) (continued)		
1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
Ethylbenzene	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	<0.50	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	<2.0	2.0
n-Propylbenzene	<0.50	0.50
Styrene	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	0.50

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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: ug/L

Date Sampled:	11/30/05	
Date Prepared:	12/02/05	
Date Analyzed:	12/02/05	
AA ID No:	5L01001-01	
Client ID No:	TB-113005-01	
Dilution Factor:	1	MRL
8260B Full List (EPA 8260B) (continued)		
Toluene	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	0.50
1,1,2-Trichloroethane	<0.50	0.50
1,1,1-Trichloroethane	<0.50	0.50
Trichloroethylene (TCE)	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	0.50
1,2,3-Trichloropropane	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	0.50
Vinyl chloride	<0.50	0.50
o-Xylene	<0.50	0.50
m,p-Xylenes	<1.0	1.0

Surrogates		**%REC Limits**
4-Bromofluorobenzene	100%	80-120
Dibromofluoromethane	86.0%	80-120
Toluene-d8	100%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Soluble Metals STLC by ICP

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: mg/L

Date Sampled:	11/30/05	11/30/05	
Date Prepared:	12/20/05	12/20/05	
Date Analyzed:	12/22/05	12/22/05	
AA ID No:	5L01001-06	5L01001-09	
Client ID No:	30-SS-3.5	47-SS-6.2	
Dilution Factor:	1	1	MRL
Metals STLC (EPA 6010B)			
Chromium	**2.6**		0.050
Copper	**310**		0.050
Lead	**0.72**	**1.9**	0.10
Zinc	**120**		0.050

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Total Metals CAM 17

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: mg/kg

Date Sampled:	11/30/05	11/30/05	11/30/05	11/30/05	
Date Prepared:	12/07/05	12/07/05	12/07/05	12/07/05	
Date Analyzed:	12/07/05	12/07/05	12/07/05	12/07/05	
AA ID No:	5L01001-06	5L01001-07	5L01001-08	5L01001-09	
Client ID No:	30-SS-3.5	30-SS-6.3	30-SS-9.6	47-SS-6.2	
Dilution Factor:	1	1	1	1	MRL
Mercury Total EPA 7470A/7471A (EPA 7471A)					
Mercury	**0.034**	**0.066**	**0.096**	**0.18**	0.020

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563020
Project No:	10627.000.0	**Date Received:**	11/30/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Sample Matrix:	Soil	**Units:**	mg/kg
Method:	Total Metals CAM 17		

Date Sampled:	11/30/05	
Date Prepared:	12/07/05	
Date Analyzed:	12/07/05	
AA ID No:	5L01001-10	
Client ID No:	47-SS-11.0	
Dilution Factor:	1	MRL

Mercury Total EPA 7470A/7471A (EPA 7471A)

Mercury	**0.044**	0.020

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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Total Metals CAM 17

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05
Units: mg/kg

Date Sampled:	11/30/05	11/30/05	11/30/05	11/30/05	
Date Prepared:	12/07/05	12/07/05	12/07/05	12/07/05	
Date Analyzed:	12/07/05	12/07/05	12/07/05	12/07/05	
AA ID No:	5L01001-06	5L01001-07	5L01001-08	5L01001-09	
Client ID No:	30-SS-3.5	30-SS-6.3	30-SS-9.6	47-SS-6.2	
Dilution Factor:	1	1	1	1	MRL
CAM Metals Less Hg 6000/7000 (EPA 6010B/7000)					
Antimony	<10	<10	<10	<10	10
Arsenic	**2.5**	**3.3**	<0.50	**2.1**	0.50
Barium	**39**	**140**	**140**	**130**	10
Beryllium	**2.8**	<1.0	<1.0	<1.0	1.0
Cadmium	<1.0	<1.0	<1.0	<1.0	1.0
Chromium	**200**	**16**	**16**	**18**	3.0
Cobalt	<3.0	**9.0**	**9.7**	**5.9**	3.0
Copper	**11000**	**26**	**29**	**140**	3.0
Lead	**87**	**30**	**14**	**60**	3.0
Molybdenum	<5.0	<5.0	<5.0	<5.0	5.0
Nickel	**31**	**7.8**	**8.4**	**8.0**	3.0
Selenium	<0.50	<0.50	<0.50	<0.50	0.50
Silver	<1.0	<1.0	<1.0	<1.0	1.0
Thallium	<5.0	<5.0	<5.0	<5.0	5.0
Vanadium	**40**	**37**	**36**	**27**	10
Zinc	**5800**	**84**	**75**	**160**	3.0

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LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563020
Project No:	10627.000.0	**Date Received:**	11/30/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Sample Matrix:	Soil	**Units:**	mg/kg
Method:	Total Metals CAM 17		

Date Sampled:	11/30/05	
Date Prepared:	12/07/05	
Date Analyzed:	12/07/05	
AA ID No:	5L01001-10	
Client ID No:	47-SS-11.0	
Dilution Factor:	1	MRL

CAM Metals Less Hg 6000/7000 (EPA 6010B/7000)

Antimony	<10	10
Arsenic	<0.50	0.50
Barium	**42**	10
Beryllium	<1.0	1.0
Cadmium	<1.0	1.0
Chromium	**3.8**	3.0
Cobalt	**3.0**	3.0
Copper	**5.5**	3.0
Lead	**3.4**	3.0
Molybdenum	<5.0	5.0
Nickel	<3.0	3.0
Selenium	<0.50	0.50
Silver	<1.0	1.0
Thallium	<5.0	5.0
Vanadium	**13**	10
Zinc	**24**	3.0

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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5L1621 - EPA 3550B										
Blank (B5L1621-BLK1)				Prepared: 12/02/05			Analyzed: 12/07/05			
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*3.08*		*ug/kg*	*5.00*		*61.6*	*50-150*			
LCS (B5L1621-BS1)				Prepared: 12/02/05			Analyzed: 12/07/05			
Aroclor-1016	**46.8**	20	ug/kg	50.0		93.6	60-140			
Aroclor-1260	**51.3**	20	ug/kg	50.0		103	60-140			
Surrogate: Tetrachloro-meta-xylene	*3.49*		*ug/kg*	*5.00*		*69.8*	*50-150*			
Matrix Spike (B5L1621-MS1)			**Source: 5L01001-03**	Prepared: 12/02/05			Analyzed: 12/07/05			
Aroclor-1016	**38.8**	20	ug/kg	50.0	<20	77.6	50-150			
Aroclor-1260	**55.5**	20	ug/kg	50.0	<20	111	50-150			
Surrogate: Tetrachloro-meta-xylene	*3.87*		*ug/kg*	*5.00*		*77.4*	*50-150*			
Matrix Spike Dup (B5L1621-MSD1)			**Source: 5L01001-03**	Prepared: 12/02/05			Analyzed: 12/07/05			
Aroclor-1016	**45.3**	20	ug/kg	50.0	<20	90.6	50-150	15.5	40	
Aroclor-1260	**54.6**	20	ug/kg	50.0	<20	109	50-150	1.63	40	
Surrogate: Tetrachloro-meta-xylene	*3.82*		*ug/kg*	*5.00*		*76.4*	*50-150*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Blank (B5L0503-BLK1)				Prepared & Analyzed: 12/02/05						
Acetone	<50	50	ug/kg							
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							

Viorel Vasile
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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Blank (B5L0503-BLK1) Continued				Prepared & Analyzed: 12/02/05						
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Blank (B5L0503-BLK1) Continued				Prepared & Analyzed: 12/02/05						
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Ethyl-tert-Butyl Ether (ETBE)	<5.0	5.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
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AA Project No: MB563020
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Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Blank (B5L0503-BLK1) Continued				Prepared & Analyzed: 12/02/05						
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*93.8*		*ug/kg*	*100*		*93.8*	*80-120*			
Surrogate: Dibromofluoromethane	*86.2*		*ug/kg*	*100*		*86.2*	*80-120*			
Surrogate: Toluene-d8	*102*		*ug/kg*	*100*		*102*	*80-120*			
LCS (B5L0503-BS1)				Prepared & Analyzed: 12/02/05						
Benzene	**39.6**	2.0	ug/kg	40.0		99.0	75-125			
Bromodichloromethane	**37.2**	5.0	ug/kg	40.0		93.0	75-125			
Bromoform	**33.2**	5.0	ug/kg	40.0		83.0	75-125			
Carbon Tetrachloride	**39.0**	5.0	ug/kg	40.0		97.5	75-125			
Chlorobenzene	**40.6**	5.0	ug/kg	40.0		102	75-125			
Chloroethane	**38.6**	5.0	ug/kg	40.0		96.5	75-125			
Chloroform	**36.0**	5.0	ug/kg	40.0		90.0	75-125			
Chloromethane	**42.2**	5.0	ug/kg	40.0		106	75-125			
Dibromochloromethane	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
1,4-Dichlorobenzene	**40.6**	5.0	ug/kg	40.0		102	75-125			
1,1-Dichloroethane	**35.2**	5.0	ug/kg	40.0		88.0	75-125			
1,2-Dichloroethane (EDC)	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
trans-1,2-Dichloroethylene	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
cis-1,2-Dichloroethylene	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
1,1-Dichloroethylene	**35.4**	5.0	ug/kg	40.0		88.5	75-125			
1,2-Dichloropropane	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
cis-1,3-Dichloropropylene	**39.8**	5.0	ug/kg	40.0		99.5	75-125			
Ethylbenzene	**40.6**	2.0	ug/kg	40.0		102	75-125			
Methyl-tert-Butyl Ether (MTBE)	**36.2**	5.0	ug/kg	40.0		90.5	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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Project Name: Vernon

AA Project No: MB563020
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Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
LCS (B5L0503-BS1) Continued				Prepared & Analyzed: 12/02/05						
Methylene Chloride	**42.2**	50	ug/kg	40.0		106	75-125			
n-Propylbenzene	**43.0**	5.0	ug/kg	40.0		108	75-125			
1,1,2,2-Tetrachloroethane	**42.4**	5.0	ug/kg	40.0		106	75-125			
Tetrachloroethylene (PCE)	**41.4**	5.0	ug/kg	40.0		104	75-125			
Toluene	**40.4**	2.0	ug/kg	40.0		101	75-125			
1,1,2-Trichloroethane	**40.6**	5.0	ug/kg	40.0		102	75-125			
1,1,1-Trichloroethane	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
Trichloroethylene (TCE)	**40.8**	5.0	ug/kg	40.0		102	75-125			
Vinyl chloride	**43.0**	5.0	ug/kg	40.0		108	75-125			
o-Xylene	**40.4**	2.0	ug/kg	40.0		101	75-125			
Surrogate: 4-Bromofluorobenzene	*103*		*ug/kg*	*100*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*90.6*		*ug/kg*	*100*		*90.6*	*80-120*			
Surrogate: Toluene-d8	*102*		*ug/kg*	*100*		*102*	*80-120*			
Matrix Spike (B5L0503-MS1)			**Source: 5L02001-05**	Prepared & Analyzed: 12/02/05						
Benzene	**41.6**	2.0	ug/kg	40.0	<2.0	104	70-130			
Bromoform	**30.4**	5.0	ug/kg	40.0	<5.0	76.0	70-130			
Chlorobenzene	**42.4**	5.0	ug/kg	40.0	<5.0	106	70-130			
Chloroform	**40.4**	5.0	ug/kg	40.0	<5.0	101	70-130			
1,1-Dichloroethane	**39.4**	5.0	ug/kg	40.0	<5.0	98.5	70-130			
cis-1,2-Dichloroethylene	**42.4**	5.0	ug/kg	40.0	<5.0	106	70-130			
1,1-Dichloroethylene	**42.6**	5.0	ug/kg	40.0	<5.0	106	70-130			
1,2-Dichloropropane	**39.0**	5.0	ug/kg	40.0	<5.0	97.5	70-130			
Ethylbenzene	**42.0**	2.0	ug/kg	40.0	<2.0	105	70-130			
Methyl-tert-Butyl Ether (MTBE)	**34.6**	5.0	ug/kg	40.0	<5.0	86.5	70-130			
n-Propylbenzene	**45.8**	5.0	ug/kg	40.0	<5.0	114	70-130			
Tetrachloroethylene (PCE)	**43.8**	5.0	ug/kg	40.0	<5.0	110	70-130			
Toluene	**42.2**	2.0	ug/kg	40.0	<2.0	106	70-130			
1,1,1-Trichloroethane	**40.8**	5.0	ug/kg	40.0	<5.0	102	70-130			
Trichloroethylene (TCE)	**62.4**	5.0	ug/kg	40.0	18	111	70-130			
1,3,5-Trimethylbenzene	**44.0**	5.0	ug/kg	40.0	<5.0	110	70-130			
Vinyl chloride	**40.6**	5.0	ug/kg	40.0	<5.0	102	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Matrix Spike (B5L0503-MS1) Continued			**Source: 5L02001-05**	Prepared & Analyzed: 12/02/05						
Surrogate: 4-Bromofluorobenzene	*100*		*ug/kg*	*100*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*97.6*		*ug/kg*	*100*		*97.6*	*80-120*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*80-120*			
Matrix Spike Dup (B5L0503-MSD1)			**Source: 5L02001-05**	Prepared & Analyzed: 12/02/05						
Benzene	**39.0**	2.0	ug/kg	40.0	<2.0	97.5	70-130	6.45	40	
Bromoform	**29.4**	5.0	ug/kg	40.0	<5.0	73.5	70-130	3.34	40	
Chlorobenzene	**40.4**	5.0	ug/kg	40.0	<5.0	101	70-130	4.83	40	
Chloroform	**37.6**	5.0	ug/kg	40.0	<5.0	94.0	70-130	7.18	40	
1,1-Dichloroethane	**37.4**	5.0	ug/kg	40.0	<5.0	93.5	70-130	5.21	40	
cis-1,2-Dichloroethylene	**40.6**	5.0	ug/kg	40.0	<5.0	102	70-130	4.34	40	
1,1-Dichloroethylene	<5.0	5.0	ug/kg	40.0	<5.0		70-130		40	
1,2-Dichloropropane	**36.4**	5.0	ug/kg	40.0	<5.0	91.0	70-130	6.90	40	
Ethylbenzene	**40.4**	2.0	ug/kg	40.0	<2.0	101	70-130	3.88	40	
Methyl-tert-Butyl Ether (MTBE)	**32.6**	5.0	ug/kg	40.0	<5.0	81.5	70-130	5.95	40	
n-Propylbenzene	**43.6**	5.0	ug/kg	40.0	<5.0	109	70-130	4.92	40	
Tetrachloroethylene (PCE)	**42.0**	5.0	ug/kg	40.0	<5.0	105	70-130	4.20	40	
Toluene	**40.0**	2.0	ug/kg	40.0	<2.0	100	70-130	5.35	40	
1,1,1-Trichloroethane	**38.2**	5.0	ug/kg	40.0	<5.0	95.5	70-130	6.58	40	
Trichloroethylene (TCE)	**60.0**	5.0	ug/kg	40.0	18	105	70-130	3.92	40	
1,3,5-Trimethylbenzene	**42.4**	5.0	ug/kg	40.0	<5.0	106	70-130	3.70	40	
Vinyl chloride	**37.6**	5.0	ug/kg	40.0	<5.0	94.0	70-130	7.67	40	
Surrogate: 4-Bromofluorobenzene	*99.0*		*ug/kg*	*100*		*99.0*	*80-120*			
Surrogate: Dibromofluoromethane	*95.6*		*ug/kg*	*100*		*95.6*	*80-120*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*80-120*			
Batch B5L0504 - EPA 5030B										
Blank (B5L0504-BLK1)				Prepared & Analyzed: 12/02/05						
Acetone	<10	10	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
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Project Name: Vernon

AA Project No: MB563020
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Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0504 - EPA 5030B										
Blank (B5L0504-BLK1) Continued				Prepared & Analyzed: 12/02/05						
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0504 - EPA 5030B										
Blank (B5L0504-BLK1) Continued				Prepared & Analyzed: 12/02/05						
1,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							

Viorel Vasile
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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0504 - EPA 5030B										
Blank (B5L0504-BLK1) Continued				Prepared & Analyzed: 12/02/05						
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46.9*		*ug/L*	*50.0*		*93.8*	*80-120*			
Surrogate: Dibromofluoromethane	*43.1*		*ug/L*	*50.0*		*86.2*	*80-120*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50.0*		*102*	*80-120*			
LCS (B5L0504-BS1)				Prepared & Analyzed: 12/02/05						
Benzene	**19.8**	0.50	ug/L	20.0		99.0	75-125			
Bromodichloromethane	**18.6**	0.50	ug/L	20.0		93.0	75-125			
Bromoform	**16.6**	0.50	ug/L	20.0		83.0	75-125			
Carbon Tetrachloride	**19.5**	0.50	ug/L	20.0		97.5	75-125			
Chlorobenzene	**20.3**	0.50	ug/L	20.0		102	75-125			
Chloroethane	**19.3**	0.50	ug/L	20.0		96.5	75-125			
Chloroform	**18.0**	0.50	ug/L	20.0		90.0	75-125			
Chloromethane	**21.1**	0.50	ug/L	20.0		106	75-125			
Dibromochloromethane	**18.9**	0.50	ug/L	20.0		94.5	75-125			
1,4-Dichlorobenzene	**20.3**	0.50	ug/L	20.0		102	75-125			
1,1-Dichloroethane	**17.6**	0.50	ug/L	20.0		88.0	75-125			
1,2-Dichloroethane (EDC)	**18.1**	0.50	ug/L	20.0		90.5	75-125			
cis-1,2-Dichloroethylene	**19.1**	0.50	ug/L	20.0		95.5	75-125			
trans-1,2-Dichloroethylene	**18.4**	0.50	ug/L	20.0		92.0	75-125			
1,1-Dichloroethylene	**17.7**	0.50	ug/L	20.0		88.5	75-125			
1,2-Dichloropropane	**19.1**	0.50	ug/L	20.0		95.5	75-125			
cis-1,3-Dichloropropylene	**19.9**	0.50	ug/L	20.0		99.5	75-125			
Ethylbenzene	**20.3**	0.50	ug/L	20.0		102	75-125			
Methyl-tert-Butyl Ether (MTBE)	**18.1**	2.0	ug/L	20.0		90.5	75-125			
Methylene Chloride	**21.1**	5.0	ug/L	20.0		106	75-125			
1,1,2,2-Tetrachloroethane	**21.2**	0.50	ug/L	20.0		106	75-125			
Tetrachloroethylene (PCE)	**20.7**	0.50	ug/L	20.0		104	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0504 - EPA 5030B										
LCS (B5L0504-BS1) Continued				Prepared & Analyzed: 12/02/05						
Toluene	**20.2**	0.50	ug/L	20.0		101	75-125			
1,1,2-Trichloroethane	**20.3**	0.50	ug/L	20.0		102	75-125			
1,1,1-Trichloroethane	**19.1**	0.50	ug/L	20.0		95.5	75-125			
Trichloroethylene (TCE)	**20.4**	0.50	ug/L	20.0		102	75-125			
Vinyl chloride	**21.5**	0.50	ug/L	20.0		108	75-125			
o-Xylene	**20.2**	0.50	ug/L	20.0		101	75-125			
Surrogate: 4-Bromofluorobenzene	*51.5*		*ug/L*	*50.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*45.3*		*ug/L*	*50.0*		*90.6*	*80-120*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50.0*		*102*	*80-120*			
LCS Dup (B5L0504-BSD1)				Prepared & Analyzed: 12/02/05						
Benzene	**20.7**	0.50	ug/L	20.0		104	75-125	4.44	30	
Bromodichloromethane	**19.1**	0.50	ug/L	20.0		95.5	75-125	2.65	30	
Bromoform	**16.6**	0.50	ug/L	20.0		83.0	75-125	0.00	30	
Carbon Tetrachloride	**21.1**	0.50	ug/L	20.0		106	75-125	7.88	30	
Chlorobenzene	**21.5**	0.50	ug/L	20.0		108	75-125	5.74	30	
Chloroethane	**18.7**	0.50	ug/L	20.0		93.5	75-125	3.16	30	
Chloroform	**18.9**	0.50	ug/L	20.0		94.5	75-125	4.88	30	
Chloromethane	**21.5**	0.50	ug/L	20.0		108	75-125	1.88	30	
Dibromochloromethane	**19.4**	0.50	ug/L	20.0		97.0	75-125	2.61	30	
1,4-Dichlorobenzene	**21.6**	0.50	ug/L	20.0		108	75-125	6.21	30	
1,1-Dichloroethane	**19.2**	0.50	ug/L	20.0		96.0	75-125	8.70	30	
1,2-Dichloroethane (EDC)	**16.8**	0.50	ug/L	20.0		84.0	75-125	7.45	30	
cis-1,2-Dichloroethylene	**20.8**	0.50	ug/L	20.0		104	75-125	8.52	30	
trans-1,2-Dichloroethylene	**19.4**	0.50	ug/L	20.0		97.0	75-125	5.29	30	
1,1-Dichloroethylene	**19.7**	0.50	ug/L	20.0		98.5	75-125	10.7	30	
1,2-Dichloropropane	**19.7**	0.50	ug/L	20.0		98.5	75-125	3.09	30	
cis-1,3-Dichloropropylene	**20.4**	0.50	ug/L	20.0		102	75-125	2.48	30	
Ethylbenzene	**21.2**	0.50	ug/L	20.0		106	75-125	4.34	30	
Methyl-tert-Butyl Ether (MTBE)	**18.3**	2.0	ug/L	20.0		91.5	75-125	1.10	30	
Methylene Chloride	**21.7**	5.0	ug/L	20.0		108	75-125	2.80	30	
1,1,2,2-Tetrachloroethane	**20.5**	0.50	ug/L	20.0		102	75-125	3.36	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0504 - EPA 5030B										
LCS Dup (B5L0504-BSD1) Continued				Prepared & Analyzed: 12/02/05						
Tetrachloroethylene (PCE)	**22.2**	0.50	ug/L	20.0		111	75-125	6.99	30	
Toluene	**21.3**	0.50	ug/L	20.0		106	75-125	5.30	30	
1,1,2-Trichloroethane	**20.6**	0.50	ug/L	20.0		103	75-125	1.47	30	
1,1,1-Trichloroethane	**20.2**	0.50	ug/L	20.0		101	75-125	5.60	30	
Trichloroethylene (TCE)	**21.1**	0.50	ug/L	20.0		106	75-125	3.37	30	
Vinyl chloride	**21.2**	0.50	ug/L	20.0		106	75-125	1.41	30	
o-Xylene	**20.9**	0.50	ug/L	20.0		104	75-125	3.41	30	
Surrogate: 4-Bromofluorobenzene	*50.9*		*ug/L*	*50.0*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*46.0*		*ug/L*	*50.0*		*92.0*	*80-120*			
Surrogate: Toluene-d8	*50.1*		*ug/L*	*50.0*		*100*	*80-120*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0505 - EPA 5035										
Blank (B5L0505-BLK1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.103*		*mg/kg*	*0.100*		*103*	*80-120*			
LCS (B5L0505-BS1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	**1.14**	0.50	mg/kg	1.00		114	75-125			
Surrogate: Toluene-d8	*0.0940*		*mg/kg*	*0.100*		*94.0*	*80-120*			
LCS Dup (B5L0505-BSD1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	**1.04**	0.50	mg/kg	1.00		104	75-125	9.17	30	
Surrogate: Toluene-d8	*0.0964*		*mg/kg*	*0.100*		*96.4*	*80-120*			
Batch B5L0506 - EPA 5030B										
Blank (B5L0506-BLK1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	<100	100	ug/L							
Surrogate: Toluene-d8	*51.5*		*ug/L*	*50.0*		*103*	*80-120*			
LCS (B5L0506-BS1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	**570**	100	ug/L	500		114	75-125			
Surrogate: Toluene-d8	*47.0*		*ug/L*	*50.0*		*94.0*	*80-120*			

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LABORATORY ANALYSIS RESULTS

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AA Project No: MB563020
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Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0506 - EPA 5030B										
LCS Dup (B5L0506-BSD1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	**520**	100	ug/L	500		104	75-125	9.17	30	
Surrogate: Toluene-d8	*48.2*		*ug/L*	*50.0*		*96.4*	*80-120*			
Total Metals CAM 17 - Quality Control										
Batch B5L1902 - EPA 3050B										
Blank (B5L1902-BLK1)				Prepared & Analyzed: 12/07/05						
Antimony	<10	10	mg/kg							
Arsenic	<0.50	0.50	mg/kg							
Barium	<10	10	mg/kg							
Beryllium	<1.0	1.0	mg/kg							
Cadmium	<1.0	1.0	mg/kg							
Chromium	<3.0	3.0	mg/kg							
Cobalt	<3.0	3.0	mg/kg							
Copper	<3.0	3.0	mg/kg							
Lead	<3.0	3.0	mg/kg							
Molybdenum	<5.0	5.0	mg/kg							
Nickel	<3.0	3.0	mg/kg							
Selenium	<0.50	0.50	mg/kg							
Silver	<1.0	1.0	mg/kg							
Thallium	<5.0	5.0	mg/kg							
Vanadium	<10	10	mg/kg							
Zinc	<3.0	3.0	mg/kg							
LCS (B5L1902-BS1)				Prepared & Analyzed: 12/07/05						
Antimony	**50.6**	10	mg/kg	50.0		101	80-120			
Arsenic	**50.8**	0.50	mg/kg	50.0		102	80-120			
Barium	**49.0**	10	mg/kg	50.0		98.0	80-120			
Beryllium	**50.7**	1.0	mg/kg	50.0		101	80-120			
Cadmium	**50.1**	1.0	mg/kg	50.0		100	80-120			
Chromium	**50.2**	3.0	mg/kg	50.0		100	80-120			
Cobalt	**50.6**	3.0	mg/kg	50.0		101	80-120			

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Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B5L1902 - EPA 3050B										
LCS (B5L1902-BS1) Continued				Prepared & Analyzed: 12/07/05						
Copper	**49.8**	3.0	mg/kg	50.0		99.6	80-120			
Lead	**50.4**	3.0	mg/kg	50.0		101	80-120			
Molybdenum	**51.0**	5.0	mg/kg	50.0		102	80-120			
Nickel	**49.9**	3.0	mg/kg	50.0		99.8	80-120			
Selenium	**51.5**	0.50	mg/kg	50.0		103	80-120			
Silver	**50.2**	1.0	mg/kg	50.0		100	80-120			
Thallium	**49.5**	5.0	mg/kg	50.0		99.0	80-120			
Vanadium	**50.2**	10	mg/kg	50.0		100	80-120			
Zinc	**51.3**	3.0	mg/kg	50.0		103	80-120			
LCS Dup (B5L1902-BSD1)				Prepared & Analyzed: 12/07/05						
Antimony	**50.2**	10	mg/kg	50.0		100	80-120	0.794	20	
Arsenic	**50.2**	0.50	mg/kg	50.0		100	80-120	1.19	20	
Barium	**48.1**	10	mg/kg	50.0		96.2	80-120	1.85	20	
Beryllium	**50.3**	1.0	mg/kg	50.0		101	80-120	0.792	20	
Cadmium	**49.6**	1.0	mg/kg	50.0		99.2	80-120	1.00	20	
Chromium	**49.6**	3.0	mg/kg	50.0		99.2	80-120	1.20	20	
Cobalt	**50.2**	3.0	mg/kg	50.0		100	80-120	0.794	20	
Copper	**49.1**	3.0	mg/kg	50.0		98.2	80-120	1.42	20	
Lead	**50.0**	3.0	mg/kg	50.0		100	80-120	0.797	20	
Molybdenum	**50.9**	5.0	mg/kg	50.0		102	80-120	0.196	20	
Nickel	**49.3**	3.0	mg/kg	50.0		98.6	80-120	1.21	20	
Selenium	**51.0**	0.50	mg/kg	50.0		102	80-120	0.976	20	
Silver	**49.7**	1.0	mg/kg	50.0		99.4	80-120	1.00	20	
Thallium	**49.7**	5.0	mg/kg	50.0		99.4	80-120	0.403	20	
Vanadium	**49.6**	10	mg/kg	50.0		99.2	80-120	1.20	20	
Zinc	**51.2**	3.0	mg/kg	50.0		102	80-120	0.195	20	
Matrix Spike (B5L1902-MS1)		**Source: 5L01001-07**		Prepared & Analyzed: 12/07/05						
Antimony	**48.7**	10	mg/kg	50.0	<10	97.4	75-125			
Arsenic	**51.4**	0.50	mg/kg	50.0	3.3	96.2	75-125			
Barium	**187**	10	mg/kg	50.0	140	94.0	75-125			
Beryllium	**49.7**	1.0	mg/kg	50.0	<1.0	99.4	75-125			

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LABORATORY ANALYSIS RESULTS

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B5L1902 - EPA 3050B										
Matrix Spike (B5L1902-MS1) Continued			**Source: 5L01001-07**	Prepared & Analyzed: 12/07/05						
Cadmium	**45.9**	1.0	mg/kg	50.0	<1.0	91.8	75-125			
Chromium	**63.6**	3.0	mg/kg	50.0	16	95.2	75-125			
Cobalt	**56.8**	3.0	mg/kg	50.0	9.0	95.6	75-125			
Copper	**80.9**	3.0	mg/kg	50.0	26	110	75-125			
Lead	**77.8**	3.0	mg/kg	50.0	30	95.6	75-125			
Molybdenum	**50.0**	5.0	mg/kg	50.0	<5.0	100	75-125			
Nickel	**54.6**	3.0	mg/kg	50.0	7.8	93.6	75-125			
Selenium	**43.7**	0.50	mg/kg	50.0	<0.50	87.4	75-125			
Silver	**51.4**	1.0	mg/kg	50.0	<1.0	103	75-125			
Thallium	**48.0**	5.0	mg/kg	50.0	<5.0	96.0	75-125			
Vanadium	**84.4**	10	mg/kg	50.0	37	94.8	75-125			
Zinc	**129**	3.0	mg/kg	50.0	84	90.0	75-125			
Matrix Spike Dup (B5L1902-MSD1)			**Source: 5L01001-07**	Prepared & Analyzed: 12/07/05						
Antimony	**48.9**	10	mg/kg	50.0	<10	97.8	75-125	0.410	40	
Arsenic	**51.8**	0.50	mg/kg	50.0	3.3	97.0	75-125	0.775	40	
Barium	**187**	10	mg/kg	50.0	140	94.0	75-125	0.00	40	
Beryllium	**49.7**	1.0	mg/kg	50.0	<1.0	99.4	75-125	0.00	40	
Cadmium	**45.7**	1.0	mg/kg	50.0	<1.0	91.4	75-125	0.437	40	
Chromium	**63.4**	3.0	mg/kg	50.0	16	94.8	75-125	0.315	40	
Cobalt	**56.6**	3.0	mg/kg	50.0	9.0	95.2	75-125	0.353	40	
Copper	**81.3**	3.0	mg/kg	50.0	26	111	75-125	0.493	40	
Lead	**77.6**	3.0	mg/kg	50.0	30	95.2	75-125	0.257	40	
Molybdenum	**50.2**	5.0	mg/kg	50.0	<5.0	100	75-125	0.399	40	
Nickel	**54.3**	3.0	mg/kg	50.0	7.8	93.0	75-125	0.551	40	
Selenium	**43.8**	0.50	mg/kg	50.0	<0.50	87.6	75-125	0.229	40	
Silver	**51.6**	1.0	mg/kg	50.0	<1.0	103	75-125	0.388	40	
Thallium	**47.6**	5.0	mg/kg	50.0	<5.0	95.2	75-125	0.837	40	
Vanadium	**84.4**	10	mg/kg	50.0	37	94.8	75-125	0.00	40	
Zinc	**129**	3.0	mg/kg	50.0	84	90.0	75-125	0.00	40	
Total Metals CAM 17 - Quality Control										
Batch B5L1903 - EPA 7471A Prep										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
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Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B5L1903 - EPA 7471A Prep										
Blank (B5L1903-BLK1)				Prepared & Analyzed: 12/07/05						
Mercury	<0.020	0.020	mg/kg							
LCS (B5L1903-BS1)				Prepared & Analyzed: 12/07/05						
Mercury	**1.03**	0.020	mg/kg	1.00		103	85-115			
LCS Dup (B5L1903-BSD1)				Prepared & Analyzed: 12/07/05						
Mercury	**1.04**	0.020	mg/kg	1.00		104	85-115	0.966	25	
Matrix Spike (B5L1903-MS1)			**Source: 5L01001-07**	Prepared & Analyzed: 12/07/05						
Mercury	**1.04**	0.020	mg/kg	1.00	0.066	97.4	75-125			
Matrix Spike Dup (B5L1903-MSD1)			**Source: 5L01001-07**	Prepared & Analyzed: 12/07/05						
Mercury	**1.02**	0.020	mg/kg	1.00	0.066	95.4	75-125	1.94	25	
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L0607 - EPA 3550B										
Blank (B5L0607-BLK1)				Prepared: 12/02/05 Analyzed: 12/05/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L0607 - EPA 3550B										
Blank (B5L0607-BLK1) Continued				Prepared: 12/02/05		Analyzed: 12/05/05				
Surrogate: o-Terphenyl	*9.60*		*mg/kg*	*10.0*		*96.0*	*50-150*			
LCS (B5L0607-BS1)				Prepared: 12/02/05		Analyzed: 12/05/05				
Diesel Range Organics as Diesel	**230**		mg/kg	200		115	75-125			
Surrogate: o-Terphenyl	*13.0*		*mg/kg*	*10.0*		*130*	*50-150*			
LCS Dup (B5L0607-BSD1)				Prepared: 12/02/05		Analyzed: 12/05/05				
Diesel Range Organics as Diesel	**210**		mg/kg	200		105	75-125	9.09	40	
Surrogate: o-Terphenyl	*15.0*		*mg/kg*	*10.0*		*150*	*50-150*			
Soluble Metals STLC by ICP - Quality Control										
Batch B5L2220 - EPA 3010A										
Blank (B5L2220-BLK1)				Prepared: 12/20/05		Analyzed: 12/22/05				
Chromium	<0.050	0.050	mg/L							
Copper	<0.050	0.050	mg/L							
Lead	<0.10	0.10	mg/L							
Zinc	<0.050	0.050	mg/L							
LCS (B5L2220-BS1)				Prepared & Analyzed: 12/22/05						
Chromium	**1.02**	0.050	mg/L	1.00		102	80-120			
Copper	**1.02**	0.050	mg/L	1.00		102	80-120			
Lead	**1.03**	0.10	mg/L	1.00		103	80-120			
Zinc	**1.04**	0.050	mg/L	1.00		104	80-120			
LCS Dup (B5L2220-BSD1)				Prepared & Analyzed: 12/22/05						
Chromium	**1.01**	0.050	mg/L	1.00		101	80-120	0.985	20	
Copper	**1.00**	0.050	mg/L	1.00		100	80-120	1.98	20	
Lead	**1.01**	0.10	mg/L	1.00		101	80-120	1.96	20	
Zinc	**1.03**	0.050	mg/L	1.00		103	80-120	0.966	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563020
Date Received: 11/30/05
Date Reported: 12/23/05

Special Notes

[1] = S-01 : The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

Viorel Vasile
Operations Manager

MB563020 / SL01001

Chain-of-Custody Record

12780

Date: 11/30/05

Project No.: 10627.000.0

Samplers (Signatures): Rex Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCB's (8082)	VOC's (8260B/8021B)	TPH Carbon Chain 8015B modified	Metals (6010B) *		STLC Cu, Cr, Zn, Pb	STLC Pb			Acidified	No. of containers
11/30/05	—	Temp-113005-01	W																	5°	—	1
	—	TB-113005-01	W										X			SL01001			—	01	Z	Z
	0740	02-SS-3.2	S									X							—	02	—	1
	0800	10-SS-2.7	S									X							—	03	—	1
	1025	72-SS-10.8	S									X							—	04	—	1
	1050	72-SS-20.8	S									X							—	05	—	1
	1210	30-SS-3.5	S									X	X	X	X		X		—	06	—	5
	1230	30-SS-6.3	S									X	X	X	X				—	07	—	4
	1240	30-SS-9.6	S									X	X	X	X				—	08	—	4
	1320	47-SS-6.2	S									X		X	X			X	—	09	—	1
	1340	47-SS-11.0	S									X		X	X				—	10	—	1
	1420	70-SS-8.8	S									X							—	11	—	1
	1430	70-SS-~~13.5~~ 14.3	S									X							—	12	—	1
	1450	70-SS-2.0	S									X							—	13	—	2
	1510	10-CS-0.3	C									X							—	14	—	2

Turnaround Time: 5-day TAT for TPH, standard TAT for others

Results To: Linda Conlon / Paula Debong

Total No. of containers:

REMARKS

Additional Comments

Notes to lab

For soil samples from sleeves, use soil from "BLACK" cap end of sleeve

RUN MS/MSD

* Metals include Mercury

C: Concrete

† For concrete samples, mix both jars prior to crushing and running for analysis

⊗: added on 12/01/05, as requested by P. Debong, Geomatrix

⊗: added on 12/19/05, per Ana Gonzales

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Rex Naing	11/30/05	Keith Zorelli	11/30/05		
Printed Name: Rex Naing	Time: 1635	Printed Name: Keith Zorelli	Time: 1802	Printed Name:	Time:
Company: Geomatrix		Company: American Analytics		Company:	
Received (signature): Keith Zorelli	Date: 11/30/05	Received (signature):	Date: 11/30/05	Received (signature):	Date:
Printed Name: Keith Zorelli	Time: 1635	Printed Name: Ludmila Glazenberg	Time: 18:03	Printed Name:	Time:
Company: American Analytics		Company:		Company:	

Method of shipment: Lab Courier / Driver

Laboratory comments and Log No.: MB563020

approved to work after 12/01/05 1030 V. Vasile

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

'05 NOV 30 18:03 09

MB 563020 / SL01021

Chain-of-Custody Record

12781

Date: 11/30/05

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCB's (8082)	TPH Carbon Chain Soil STS (Analytical)							Acidified	No. of containers
11/30/05	1515	02-CS-0.3	C									X						-15		-	2
↓	1520	24-SS-7.5	S									X	X					-16		-	1

Turnaround Time: 5-day TAT for TPH, Standard TAT for others

Results To: Linda Gordon / Paula Delong

Total No. of containers: 3

REMARKS

Additional Comments

Notes to lab

For soil samples from sleeves, use soil from "BLACK" Cap end of sleeve

C: Concrete

+For concrete samples, mix both jars prior to crushing and running for ~~other~~ TPH analysis

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Thet Naing	11/30/05	Keith Zorzi	11/30/05		
Printed Name: Thet Naing	Time:	Printed Name: Keith Zorzi	Time:	Printed Name:	Time:
Company: Geomatrix	1635	Company: American Analytics	1802	Company:	
Received (signature): Keith Zorzi	Date: 11/30/05	Received (signature):	Date: 11/30/05	Received (signature):	Date:
Printed Name: Keith Zorzi	Time:	Printed Name: Michele Glazer	Time: 18:03	Printed Name:	Time:
Company: American Analytics	1635	Company:		Company:	

Method of shipment: Lab Courier (Driller)

Laboratory comments and Log No.: MB563020

approved as work order 12/01/05 1030 V. Vale

05 NOV 30 18:03 T

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MB 563020 / SL01001

Chain-of-Custody Record

12779

Date: 11/30/05

Project No.: 10627.000.0

Samplers (Signatures): [signature]

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCBs (8082)	VOCs (8260B)	TPH Carbon Chain SGCSB modified	Metals (6010B)*						Acidified	No. of containers
11/30/05	—	Temp-113005-02	W																	5°	—	1
↓	—	TB-113005-02	W										H					—	17		Z	2
↓	1620	EB-113005-01	W				HOLD				→	H	H	H	H			—	18		3	6

ANALYSES

REMARKS

Additional Comments

Notes to lab:

* Metals include mercury

H: Hold, do not analyze

Turnaround Time: Standard TAT

Results To: Linda Conlan / Paula Dalong

Total No. of containers: 9

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Method of shipment:
[signature]	11/30/05	[signature]	11/30/05			Driller – lab courier
Printed Name: They Naing	Time:	Printed Name: KEITH ZOLEZZI	Time: 1802	Printed Name:	Time:	Laboratory comments and log No.: MB563020
Company: Geomatrix	1635	Company: AMERICAN ANALYTICS		Company:		approved by work order 12/01/05 1030 V. Verde
Received (signature): [signature]	Date: 11/30/05	Received (signature): [signature]	Date: 11/30/05	Received (signature):	Date:	
Printed Name: KEITH ZOLEZZI	Time:	Printed Name: Ludmila Glazenbe	Time: 18:02	Printed Name:	Time:	
Company: AMERICAN ANALYTICS	1635	Company: [signature]		Company:		

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

30 NOV 05 18:03

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

December 23, 2005

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563021 / 5L02001

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/01/05 18:27 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8082 PCBs					
77-SS-5.7	5L02001-02	Soil	1	12/01/05 10:55	12/01/05 18:27
77-SS-16.3	5L02001-03	Soil	1	12/01/05 11:10	12/01/05 18:27
08-SS-5.5	5L02001-04	Soil	10	12/01/05 14:15	12/01/05 18:27
08-SS-16.1	5L02001-05	Soil	10	12/01/05 14:35	12/01/05 18:27
8260B Full List					
TB-120105-01	5L02001-01	Water	10	12/01/05 07:00	12/01/05 18:27
8260B/5035 Soil Full List					
77-SS-5.7	5L02001-02	Soil	1	12/01/05 10:55	12/01/05 18:27
77-SS-16.3	5L02001-03	Soil	1	12/01/05 11:10	12/01/05 18:27
08-SS-5.5	5L02001-04	Soil	10	12/01/05 14:15	12/01/05 18:27
08-SS-16.1	5L02001-05	Soil	10	12/01/05 14:35	12/01/05 18:27
Carbon Chain Characterization 8015M					
77-SS-5.7	5L02001-02	Soil	1	12/01/05 10:55	12/01/05 18:27
77-SS-16.3	5L02001-03	Soil	1	12/01/05 11:10	12/01/05 18:27
08-SS-5.5	5L02001-04	Soil	5	12/01/05 14:15	12/01/05 18:27
08-SS-16.1	5L02001-05	Soil	5	12/01/05 14:35	12/01/05 18:27
TPH as Stoddard Solvent					

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
TB-120105-01	5L02001-01	Water	10	12/01/05 07:00	12/01/05 18:27
TPH as Stoddard Solvent (5035)					
77-SS-5.7	5L02001-02	Soil	1	12/01/05 10:55	12/01/05 18:27
77-SS-16.3	5L02001-03	Soil	1	12/01/05 11:10	12/01/05 18:27
08-SS-5.5	5L02001-04	Soil	10	12/01/05 14:15	12/01/05 18:27
08-SS-16.1	5L02001-05	Soil	10	12/01/05 14:35	12/01/05 18:27
VOCs (Custom List) by GC/MS					
Ambient Air	5L02001-08	Vapor	10	12/01/05 08:44	12/01/05 18:27
64-SV-5.0	5L02001-09	Vapor	10	12/01/05 09:05	12/01/05 18:27
64-SV-15.0	5L02001-10	Vapor	10	12/01/05 09:25	12/01/05 18:27
62-SV-5.0	5L02001-11	Vapor	10	12/01/05 09:55	12/01/05 18:27
62-SV-15.0	5L02001-12	Vapor	10	12/01/05 10:14	12/01/05 18:27
16-SV-5.0	5L02001-13	Vapor	10	12/01/05 13:02	12/01/05 18:27
08-SV-5.0	5L02001-14	Vapor	10	12/01/05 15:20	12/01/05 18:27
08-SV-15.0	5L02001-15	Vapor	10	12/01/05 15:40	12/01/05 18:27
08-SV-5.0a	5L02001-16	Vapor	10	12/01/05 16:02	12/01/05 18:27
08-SV-15.0a	5L02001-17	Vapor	10	12/01/05 16:30	12/01/05 18:27

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
49-SV-5.0	5L02001-18	Vapor	10	12/01/05 17:00	12/01/05 18:27
49-SV-15.0	5L02001-19	Vapor	10	12/01/05 17:28	12/01/05 18:27
49-SV-5.0Dup	5L02001-20	Vapor	10	12/01/05 17:50	12/01/05 18:27

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05
Units: mg/kg

Date Sampled:	12/01/05	12/01/05	12/01/05	12/01/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	12/02/05	
AA ID No:	5L02001-02	5L02001-03	5L02001-04	5L02001-05	
Client ID No:	77-SS-5.7	77-SS-16.3	08-SS-5.5	08-SS-16.1	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	101%	97.0%	92.0%	85.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	12/01/05	12/01/05	12/01/05	12/01/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	12/02/05	
AA ID No:	5L02001-02	5L02001-03	5L02001-04	5L02001-05	
Client ID No:	77-SS-5.7	77-SS-16.3	08-SS-5.5	08-SS-16.1	
Dilution Factor:	1	1	1	1	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<20	<20	<20	<20	20
Aroclor-1221	<20	<20	<20	<20	20
Aroclor-1232	<20	<20	<20	<20	20
Aroclor-1242	<20	<20	<20	<20	20
Aroclor-1248	<20	<20	**88**	**62**	20
Aroclor-1254	<20	<20	<20	<20	20
Aroclor-1260	<20	<20	<20	<20	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	62.8%	70.0%	73.0%	65.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05
Units: mg/kg

Date Sampled:	12/01/05	12/01/05	12/01/05	12/01/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	12/02/05	
AA ID No:	5L02001-02	5L02001-03	5L02001-04	5L02001-05	
Client ID No:	77-SS-5.7	77-SS-16.3	08-SS-5.5	08-SS-16.1	
Dilution Factor:	1	1	1	1	MRL
TPH as Stoddard Solvent (5035) (EPA 8260M/5035)					
Stoddard Solvent	<0.50	<0.50	<0.50	<0.50	0.50
Surrogates					**%REC Limits**
Toluene-d8	107%	105%	104%	108%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05
Units: ug/L

Date Sampled:	12/01/05	
Date Prepared:	12/02/05	
Date Analyzed:	12/02/05	
AA ID No:	5L02001-01	
Client ID No:	TB-120105-01	
Dilution Factor:	1	MRL
TPH as Stoddard Solvent (EPA 8260M)		
Stoddard Solvent	<100	100
Surrogates		**%REC Limits**
Toluene-d8	102%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	12/01/05	12/01/05	12/01/05	12/01/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	12/02/05	
AA ID No:	5L02001-02	5L02001-03	5L02001-04	5L02001-05	
Client ID No:	77-SS-5.7	77-SS-16.3	08-SS-5.5	08-SS-16.1	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035)					
Acetone	<50	<50	<50	<50	50
tert-Amyl Methyl Ether (TAME)	<5.0	<5.0	<5.0	<5.0	5.0
Benzene	<2.0	<2.0	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	<50	<50	50
tert-Butyl alcohol (TBA)	<20	<20	<20	<20	20
sec-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	<10	<10	10
Dibromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	12/01/05	12/01/05	12/01/05	12/01/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	12/02/05	
AA ID No:	5L02001-02	5L02001-03	5L02001-04	5L02001-05	
Client ID No:	77-SS-5.7	77-SS-16.3	08-SS-5.5	08-SS-16.1	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
Diisopropyl ether (DIPE)	<5.0	<5.0	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	<2.0	<2.0	2.0
Ethyl-tert-Butyl Ether (ETBE)	<5.0	<5.0	<5.0	<5.0	5.0
Hexachlorobutadiene	<10	<10	<10	<10	10
2-Hexanone (MBK)	<50	<50	<50	<50	50
Isopropylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	<50	<50	50
Naphthalene	<10	<10	<10	<10	10
n-Propylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	12/01/05	12/01/05	12/01/05	12/01/05	
Date Prepared:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Analyzed:	12/02/05	12/02/05	12/02/05	12/02/05	
AA ID No:	5L02001-02	5L02001-03	5L02001-04	5L02001-05	
Client ID No:	77-SS-5.7	77-SS-16.3	08-SS-5.5	08-SS-16.1	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)					
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	<5.0	<5.0	<5.0	5.0
Toluene	<2.0	<2.0	<2.0	<2.0	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Trichloroethylene (TCE)	**16**	**10**	<5.0	**18**	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	<5.0	<5.0	5.0
o-Xylene	<2.0	<2.0	<2.0	<2.0	2.0
m,p-Xylenes	<2.0	<2.0	<2.0	<2.0	2.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	103%	103%	108%	110%	80-120
Dibromofluoromethane	92.4%	103%	92.2%	90.0%	80-120
Toluene-d8	107%	105%	104%	106%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05
Units: ug/L

Date Sampled:	12/01/05	
Date Prepared:	12/02/05	
Date Analyzed:	12/02/05	
AA ID No:	5L02001-01	
Client ID No:	TB-120105-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B)

Acetone	<10	10
Benzene	<0.50	0.50
Bromobenzene	<0.50	0.50
Bromochloromethane	<0.50	0.50
Bromodichloromethane	<0.50	0.50
Bromoform	<0.50	0.50
Bromomethane	<0.50	0.50
2-Butanone (MEK)	<10	10
tert-Butylbenzene	<0.50	0.50
sec-Butylbenzene	<0.50	0.50
n-Butylbenzene	<0.50	0.50
Carbon Disulfide	<0.50	0.50
Carbon Tetrachloride	<0.50	0.50
Chlorobenzene	<0.50	0.50
Chloroethane	<0.50	0.50
Chloroform	<0.50	0.50
Chloromethane	<0.50	0.50
4-Chlorotoluene	<0.50	0.50
2-Chlorotoluene	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	1.0
Dibromochloromethane	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	0.50
Dibromomethane	<0.50	0.50
1,2-Dichlorobenzene	<0.50	0.50
1,4-Dichlorobenzene	<0.50	0.50
1,3-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05
Units: ug/L

Date Sampled:	12/01/05	
Date Prepared:	12/02/05	
Date Analyzed:	12/02/05	
AA ID No:	5L02001-01	
Client ID No:	TB-120105-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B) (continued)

1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
Ethylbenzene	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	<0.50	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	<2.0	2.0
n-Propylbenzene	<0.50	0.50
Styrene	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05
Units: ug/L

Date Sampled:	12/01/05	
Date Prepared:	12/02/05	
Date Analyzed:	12/02/05	
AA ID No:	5L02001-01	
Client ID No:	TB-120105-01	
Dilution Factor:	1	MRL
8260B Full List (EPA 8260B) (continued)		
Toluene	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	0.50
1,1,2-Trichloroethane	<0.50	0.50
1,1,1-Trichloroethane	<0.50	0.50
Trichloroethylene (TCE)	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	0.50
1,2,3-Trichloropropane	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	0.50
Vinyl chloride	<0.50	0.50
o-Xylene	<0.50	0.50
m,p-Xylenes	<1.0	1.0

Surrogates		**%REC Limits**
4-Bromofluorobenzene	102%	80-120
Dibromofluoromethane	88.0%	80-120
Toluene-d8	106%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	1	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

Ambient Air

5L02001-08 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	1	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

Ambient Air

5L02001-08 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	110 %	80-120
Dibromofluoromethane	114 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

64-SV-5.0

5L02001-09 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

64-SV-5.0

5L02001-09 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	114 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

64-SV-15.0

5L02001-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

64-SV-15.0

5L02001-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	120 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

62-SV-5.0

5L02001-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

62-SV-5.0

5L02001-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	105 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

62-SV-15.0

5L02001-12 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

62-SV-15.0

5L02001-12 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

16-SV-5.0

5L02001-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	**0.94**	ug/L	0.20	**0.14**	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

16-SV-5.0

5L02001-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**3.4**	ug/L	0.20	**0.63**	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	108 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

08-SV-5.0

5L02001-14 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	**1.4**	ug/L	0.20	**0.29**	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	**0.40**	ug/L	0.20	**0.10**	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	**6.8**	ug/L	0.20	**1.00**	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	**0.56**	ug/L	0.20	**0.10**	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

08-SV-5.0

5L02001-14 (Vapor)

Analyte	Result		(ug/L)	MRL	Result		(ppmv)	MRL
Trichloroethylene (TCE)	**160**	E	ug/L	0.20	**29.77**	E	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20		ug/L	0.20	<0.04		ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0		ug/L	1.0	<0.13		ppmv	0.13
Vinyl chloride	<0.20		ug/L	0.20	<0.08		ppmv	0.08
o-Xylene	<0.20		ug/L	0.20	<0.05		ppmv	0.05
m,p-Xylenes	<0.20		ug/L	0.20	<0.05		ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	104 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	130 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

08-SV-15.0

5L02001-15 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	**0.27**	ug/L	0.20	**0.04**	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	**3.5**	ug/L	0.20	**0.72**	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	**1.3**	ug/L	0.20	**0.33**	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	**0.61**	ug/L	0.20	**0.15**	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	**9.8**	ug/L	0.20	**1.44**	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	**1.4**	ug/L	0.20	**0.26**	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

08-SV-15.0

5L02001-15 (Vapor)

Analyte	Result		(ug/L)	MRL	Result		(ppmv)	MRL
Trichloroethylene (TCE)	**290**	E	ug/L	0.20	**53.97**	E	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20		ug/L	0.20	<0.04		ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0		ug/L	1.0	<0.13		ppmv	0.13
Vinyl chloride	<0.20		ug/L	0.20	<0.08		ppmv	0.08
o-Xylene	<0.20		ug/L	0.20	<0.05		ppmv	0.05
m,p-Xylenes	<0.20		ug/L	0.20	<0.05		ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	118 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	1	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

08-SV-5.0a

5L02001-16 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	1	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

08-SV-5.0a

5L02001-16 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**130**	ug/L	1.0	**24.19**	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	118 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	4	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

08-SV-15.0a

5L02001-17 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<4.0	ug/L	4.0	<1.25	ppmv	1.25
2-Butanone (MEK)	<40	ug/L	40	<13.56	ppmv	13.56
Carbon Tetrachloride	<4.0	ug/L	4.0	<0.64	ppmv	0.64
Chloroethane	<4.0	ug/L	4.0	<1.52	ppmv	1.52
Chloroform	<4.0	ug/L	4.0	<0.82	ppmv	0.82
Dichlorodifluoromethane (R12)	<4.0	ug/L	4.0	<0.81	ppmv	0.81
1,1-Dichloroethane	<4.0	ug/L	4.0	<0.99	ppmv	0.99
1,2-Dichloroethane (EDC)	<4.0	ug/L	4.0	<0.99	ppmv	0.99
1,1-Dichloroethylene	<4.0	ug/L	4.0	<1.01	ppmv	1.01
trans-1,2-Dichloroethylene	<4.0	ug/L	4.0	<1.01	ppmv	1.01
cis-1,2-Dichloroethylene	<4.0	ug/L	4.0	<1.01	ppmv	1.01
Ethylbenzene	<4.0	ug/L	4.0	<0.92	ppmv	0.92
Isopropanol	<40	ug/L	40	<16.27	ppmv	16.27
Methylene Chloride	<20	ug/L	20	<5.76	ppmv	5.76
Stoddard Solvent	<400	ug/L	400	<76.26	ppmv	76.26
1,1,1,2-Tetrachloroethane	<4.0	ug/L	4.0	<0.58	ppmv	0.58
1,1,2,2-Tetrachloroethane	<4.0	ug/L	4.0	<0.58	ppmv	0.58
Tetrachloroethylene (PCE)	<4.0	ug/L	4.0	<0.59	ppmv	0.59
Toluene	<4.0	ug/L	4.0	<1.06	ppmv	1.06
1,1,2-Trichloroethane	<4.0	ug/L	4.0	<0.73	ppmv	0.73
1,1,1-Trichloroethane	<4.0	ug/L	4.0	<0.73	ppmv	0.73

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	4	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

08-SV-15.0a

5L02001-17 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**160**	ug/L	4.0	**29.77**	ppmv	0.74
Trichlorofluoromethane (R11)	<4.0	ug/L	4.0	<0.71	ppmv	0.71
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<20	ug/L	20	<2.61	ppmv	2.61
Vinyl chloride	<4.0	ug/L	4.0	<1.56	ppmv	1.56
o-Xylene	<4.0	ug/L	4.0	<0.92	ppmv	0.92
m,p-Xylenes	<4.0	ug/L	4.0	<0.92	ppmv	0.92

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	116 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

49-SV-5.0

5L02001-18 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

49-SV-5.0

5L02001-18 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**0.94**	ug/L	0.20	**0.17**	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	114 %	80-120
Dibromofluoromethane	118 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

49-SV-15.0

5L02001-19 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

49-SV-15.0

5L02001-19 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**0.66**	ug/L	0.20	**0.12**	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	108 %	80-120
Dibromofluoromethane	104 %	80-120
Toluene-d8	96.0 %	80-120

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

49-SV-5.0Dup

5L02001-20 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563021
Project No:	10627.000.0	**Date Received:**	12/01/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/01/05
Dilution:	0.2	**Prepared:**	12/01/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/01/05

49-SV-5.0Dup

5L02001-20 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	**0.44**	ug/L	0.20	**0.08**	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	116 %	80-120
Toluene-d8	113 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5L0501 - EPA 3550B										
Blank (B5L0501-BLK1)				Prepared & Analyzed: 12/02/05						
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*3.55*		*ug/kg*	*5.00*		*71.0*	*50-150*			
LCS (B5L0501-BS1)				Prepared & Analyzed: 12/02/05						
Aroclor-1016	**44.9**	20	ug/kg	50.0		89.8	60-140			
Aroclor-1260	**45.6**	20	ug/kg	50.0		91.2	60-140			
Surrogate: Tetrachloro-meta-xylene	*3.07*		*ug/kg*	*5.00*		*61.4*	*50-150*			
Matrix Spike (B5L0501-MS1)		**Source: 5L02001-05**		Prepared & Analyzed: 12/02/05						
Aroclor-1016	**44.5**	20	ug/kg	50.0	<20	89.0	50-150			
Aroclor-1260	**50.5**	20	ug/kg	50.0	<20	101	50-150			
Surrogate: Tetrachloro-meta-xylene	*3.15*		*ug/kg*	*5.00*		*63.0*	*50-150*			
Matrix Spike Dup (B5L0501-MSD1)		**Source: 5L02001-05**		Prepared & Analyzed: 12/02/05						
Aroclor-1016	**45.5**	20	ug/kg	50.0	<20	91.0	50-150	2.22	40	
Aroclor-1260	**47.5**	20	ug/kg	50.0	<20	95.0	50-150	6.12	40	
Surrogate: Tetrachloro-meta-xylene	*3.00*		*ug/kg*	*5.00*		*60.0*	*50-150*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Blank (B5L0503-BLK1)				Prepared & Analyzed: 12/02/05						
Acetone	<50	50	ug/kg							
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Blank (B5L0503-BLK1) Continued				Prepared & Analyzed: 12/02/05						
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Blank (B5L0503-BLK1) Continued				Prepared & Analyzed: 12/02/05						
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Ethyl-tert-Butyl Ether (ETBE)	<5.0	5.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Blank (B5L0503-BLK1) Continued				Prepared & Analyzed: 12/02/05						
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*93.8*		*ug/kg*	*100*		*93.8*	*80-120*			
Surrogate: Dibromofluoromethane	*86.2*		*ug/kg*	*100*		*86.2*	*80-120*			
Surrogate: Toluene-d8	*102*		*ug/kg*	*100*		*102*	*80-120*			
LCS (B5L0503-BS1)				Prepared & Analyzed: 12/02/05						
Benzene	**39.6**	2.0	ug/kg	40.0		99.0	75-125			
Bromodichloromethane	**37.2**	5.0	ug/kg	40.0		93.0	75-125			
Bromoform	**33.2**	5.0	ug/kg	40.0		83.0	75-125			
Carbon Tetrachloride	**39.0**	5.0	ug/kg	40.0		97.5	75-125			
Chlorobenzene	**40.6**	5.0	ug/kg	40.0		102	75-125			
Chloroethane	**38.6**	5.0	ug/kg	40.0		96.5	75-125			
Chloroform	**36.0**	5.0	ug/kg	40.0		90.0	75-125			
Chloromethane	**42.2**	5.0	ug/kg	40.0		106	75-125			
Dibromochloromethane	**37.8**	5.0	ug/kg	40.0		94.5	75-125			
1,4-Dichlorobenzene	**40.6**	5.0	ug/kg	40.0		102	75-125			
1,1-Dichloroethane	**35.2**	5.0	ug/kg	40.0		88.0	75-125			
1,2-Dichloroethane (EDC)	**36.2**	5.0	ug/kg	40.0		90.5	75-125			
trans-1,2-Dichloroethylene	**36.8**	5.0	ug/kg	40.0		92.0	75-125			
cis-1,2-Dichloroethylene	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
1,1-Dichloroethylene	**35.4**	5.0	ug/kg	40.0		88.5	75-125			
1,2-Dichloropropane	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
cis-1,3-Dichloropropylene	**39.8**	5.0	ug/kg	40.0		99.5	75-125			
Ethylbenzene	**40.6**	2.0	ug/kg	40.0		102	75-125			
Methyl-tert-Butyl Ether (MTBE)	**36.2**	5.0	ug/kg	40.0		90.5	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
LCS (B5L0503-BS1) Continued				Prepared & Analyzed: 12/02/05						
Methylene Chloride	**42.2**	50	ug/kg	40.0		106	75-125			
n-Propylbenzene	**43.0**	5.0	ug/kg	40.0		108	75-125			
1,1,2,2-Tetrachloroethane	**42.4**	5.0	ug/kg	40.0		106	75-125			
Tetrachloroethylene (PCE)	**41.4**	5.0	ug/kg	40.0		104	75-125			
Toluene	**40.4**	2.0	ug/kg	40.0		101	75-125			
1,1,2-Trichloroethane	**40.6**	5.0	ug/kg	40.0		102	75-125			
1,1,1-Trichloroethane	**38.2**	5.0	ug/kg	40.0		95.5	75-125			
Trichloroethylene (TCE)	**40.8**	5.0	ug/kg	40.0		102	75-125			
Vinyl chloride	**43.0**	5.0	ug/kg	40.0		108	75-125			
o-Xylene	**40.4**	2.0	ug/kg	40.0		101	75-125			
Surrogate: 4-Bromofluorobenzene	*103*		*ug/kg*	*100*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*90.6*		*ug/kg*	*100*		*90.6*	*80-120*			
Surrogate: Toluene-d8	*102*		*ug/kg*	*100*		*102*	*80-120*			
Matrix Spike (B5L0503-MS1)			**Source: 5L02001-05**	Prepared & Analyzed: 12/02/05						
Benzene	**41.6**	2.0	ug/kg	40.0	<2.0	104	70-130			
Bromoform	**30.4**	5.0	ug/kg	40.0	<5.0	76.0	70-130			
Chlorobenzene	**42.4**	5.0	ug/kg	40.0	<5.0	106	70-130			
Chloroform	**40.4**	5.0	ug/kg	40.0	<5.0	101	70-130			
1,1-Dichloroethane	**39.4**	5.0	ug/kg	40.0	<5.0	98.5	70-130			
cis-1,2-Dichloroethylene	**42.4**	5.0	ug/kg	40.0	<5.0	106	70-130			
1,1-Dichloroethylene	**42.6**	5.0	ug/kg	40.0	<5.0	106	70-130			
1,2-Dichloropropane	**39.0**	5.0	ug/kg	40.0	<5.0	97.5	70-130			
Ethylbenzene	**42.0**	2.0	ug/kg	40.0	<2.0	105	70-130			
Methyl-tert-Butyl Ether (MTBE)	**34.6**	5.0	ug/kg	40.0	<5.0	86.5	70-130			
n-Propylbenzene	**45.8**	5.0	ug/kg	40.0	<5.0	114	70-130			
Tetrachloroethylene (PCE)	**43.8**	5.0	ug/kg	40.0	<5.0	110	70-130			
Toluene	**42.2**	2.0	ug/kg	40.0	<2.0	106	70-130			
1,1,1-Trichloroethane	**40.8**	5.0	ug/kg	40.0	<5.0	102	70-130			
Trichloroethylene (TCE)	**62.4**	5.0	ug/kg	40.0	18	111	70-130			
1,3,5-Trimethylbenzene	**44.0**	5.0	ug/kg	40.0	<5.0	110	70-130			
Vinyl chloride	**40.6**	5.0	ug/kg	40.0	<5.0	102	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0503 - EPA 5035										
Matrix Spike (B5L0503-MS1) Continued			**Source: 5L02001-05**	Prepared & Analyzed: 12/02/05						
Surrogate: 4-Bromofluorobenzene	*100*		*ug/kg*	*100*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*97.6*		*ug/kg*	*100*		*97.6*	*80-120*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*80-120*			
Matrix Spike Dup (B5L0503-MSD1)			**Source: 5L02001-05**	Prepared & Analyzed: 12/02/05						
Benzene	**39.0**	2.0	ug/kg	40.0	<2.0	97.5	70-130	6.45	40	
Bromoform	**29.4**	5.0	ug/kg	40.0	<5.0	73.5	70-130	3.34	40	
Chlorobenzene	**40.4**	5.0	ug/kg	40.0	<5.0	101	70-130	4.83	40	
Chloroform	**37.6**	5.0	ug/kg	40.0	<5.0	94.0	70-130	7.18	40	
1,1-Dichloroethane	**37.4**	5.0	ug/kg	40.0	<5.0	93.5	70-130	5.21	40	
cis-1,2-Dichloroethylene	**40.6**	5.0	ug/kg	40.0	<5.0	102	70-130	4.34	40	
1,1-Dichloroethylene	<5.0	5.0	ug/kg	40.0	<5.0		70-130		40	
1,2-Dichloropropane	**36.4**	5.0	ug/kg	40.0	<5.0	91.0	70-130	6.90	40	
Ethylbenzene	**40.4**	2.0	ug/kg	40.0	<2.0	101	70-130	3.88	40	
Methyl-tert-Butyl Ether (MTBE)	**32.6**	5.0	ug/kg	40.0	<5.0	81.5	70-130	5.95	40	
n-Propylbenzene	**43.6**	5.0	ug/kg	40.0	<5.0	109	70-130	4.92	40	
Tetrachloroethylene (PCE)	**42.0**	5.0	ug/kg	40.0	<5.0	105	70-130	4.20	40	
Toluene	**40.0**	2.0	ug/kg	40.0	<2.0	100	70-130	5.35	40	
1,1,1-Trichloroethane	**38.2**	5.0	ug/kg	40.0	<5.0	95.5	70-130	6.58	40	
Trichloroethylene (TCE)	**60.0**	5.0	ug/kg	40.0	18	105	70-130	3.92	40	
1,3,5-Trimethylbenzene	**42.4**	5.0	ug/kg	40.0	<5.0	106	70-130	3.70	40	
Vinyl chloride	**37.6**	5.0	ug/kg	40.0	<5.0	94.0	70-130	7.67	40	
Surrogate: 4-Bromofluorobenzene	*99.0*		*ug/kg*	*100*		*99.0*	*80-120*			
Surrogate: Dibromofluoromethane	*95.6*		*ug/kg*	*100*		*95.6*	*80-120*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*80-120*			
Batch B5L0504 - EPA 5030B										
Blank (B5L0504-BLK1)				Prepared & Analyzed: 12/02/05						
Acetone	<10	10	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0504 - EPA 5030B										
Blank (B5L0504-BLK1) Continued				Prepared & Analyzed: 12/02/05						
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
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AA Project No: MB563021
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Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0504 - EPA 5030B										
Blank (B5L0504-BLK1) Continued				Prepared & Analyzed: 12/02/05						
1,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
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Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0504 - EPA 5030B										
Blank (B5L0504-BLK1) Continued				Prepared & Analyzed: 12/02/05						
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46.9*		*ug/L*	*50.0*		*93.8*	*80-120*			
Surrogate: Dibromofluoromethane	*43.1*		*ug/L*	*50.0*		*86.2*	*80-120*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50.0*		*102*	*80-120*			
LCS (B5L0504-BS1)				Prepared & Analyzed: 12/02/05						
Benzene	**19.8**	0.50	ug/L	20.0		99.0	75-125			
Bromodichloromethane	**18.6**	0.50	ug/L	20.0		93.0	75-125			
Bromoform	**16.6**	0.50	ug/L	20.0		83.0	75-125			
Carbon Tetrachloride	**19.5**	0.50	ug/L	20.0		97.5	75-125			
Chlorobenzene	**20.3**	0.50	ug/L	20.0		102	75-125			
Chloroethane	**19.3**	0.50	ug/L	20.0		96.5	75-125			
Chloroform	**18.0**	0.50	ug/L	20.0		90.0	75-125			
Chloromethane	**21.1**	0.50	ug/L	20.0		106	75-125			
Dibromochloromethane	**18.9**	0.50	ug/L	20.0		94.5	75-125			
1,4-Dichlorobenzene	**20.3**	0.50	ug/L	20.0		102	75-125			
1,1-Dichloroethane	**17.6**	0.50	ug/L	20.0		88.0	75-125			
1,2-Dichloroethane (EDC)	**18.1**	0.50	ug/L	20.0		90.5	75-125			
cis-1,2-Dichloroethylene	**19.1**	0.50	ug/L	20.0		95.5	75-125			
trans-1,2-Dichloroethylene	**18.4**	0.50	ug/L	20.0		92.0	75-125			
1,1-Dichloroethylene	**17.7**	0.50	ug/L	20.0		88.5	75-125			
1,2-Dichloropropane	**19.1**	0.50	ug/L	20.0		95.5	75-125			
cis-1,3-Dichloropropylene	**19.9**	0.50	ug/L	20.0		99.5	75-125			
Ethylbenzene	**20.3**	0.50	ug/L	20.0		102	75-125			
Methyl-tert-Butyl Ether (MTBE)	**18.1**	2.0	ug/L	20.0		90.5	75-125			
Methylene Chloride	**21.1**	5.0	ug/L	20.0		106	75-125			
1,1,2,2-Tetrachloroethane	**21.2**	0.50	ug/L	20.0		106	75-125			
Tetrachloroethylene (PCE)	**20.7**	0.50	ug/L	20.0		104	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
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Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0504 - EPA 5030B										
LCS (B5L0504-BS1) Continued				Prepared & Analyzed: 12/02/05						
Toluene	**20.2**	0.50	ug/L	20.0		101	75-125			
1,1,2-Trichloroethane	**20.3**	0.50	ug/L	20.0		102	75-125			
1,1,1-Trichloroethane	**19.1**	0.50	ug/L	20.0		95.5	75-125			
Trichloroethylene (TCE)	**20.4**	0.50	ug/L	20.0		102	75-125			
Vinyl chloride	**21.5**	0.50	ug/L	20.0		108	75-125			
o-Xylene	**20.2**	0.50	ug/L	20.0		101	75-125			
Surrogate: 4-Bromofluorobenzene	*51.5*		*ug/L*	*50.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*45.3*		*ug/L*	*50.0*		*90.6*	*80-120*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50.0*		*102*	*80-120*			
LCS Dup (B5L0504-BSD1)				Prepared & Analyzed: 12/02/05						
Benzene	**20.7**	0.50	ug/L	20.0		104	75-125	4.44	30	
Bromodichloromethane	**19.1**	0.50	ug/L	20.0		95.5	75-125	2.65	30	
Bromoform	**16.6**	0.50	ug/L	20.0		83.0	75-125	0.00	30	
Carbon Tetrachloride	**21.1**	0.50	ug/L	20.0		106	75-125	7.88	30	
Chlorobenzene	**21.5**	0.50	ug/L	20.0		108	75-125	5.74	30	
Chloroethane	**18.7**	0.50	ug/L	20.0		93.5	75-125	3.16	30	
Chloroform	**18.9**	0.50	ug/L	20.0		94.5	75-125	4.88	30	
Chloromethane	**21.5**	0.50	ug/L	20.0		108	75-125	1.88	30	
Dibromochloromethane	**19.4**	0.50	ug/L	20.0		97.0	75-125	2.61	30	
1,4-Dichlorobenzene	**21.6**	0.50	ug/L	20.0		108	75-125	6.21	30	
1,1-Dichloroethane	**19.2**	0.50	ug/L	20.0		96.0	75-125	8.70	30	
1,2-Dichloroethane (EDC)	**16.8**	0.50	ug/L	20.0		84.0	75-125	7.45	30	
cis-1,2-Dichloroethylene	**20.8**	0.50	ug/L	20.0		104	75-125	8.52	30	
trans-1,2-Dichloroethylene	**19.4**	0.50	ug/L	20.0		97.0	75-125	5.29	30	
1,1-Dichloroethylene	**19.7**	0.50	ug/L	20.0		98.5	75-125	10.7	30	
1,2-Dichloropropane	**19.7**	0.50	ug/L	20.0		98.5	75-125	3.09	30	
cis-1,3-Dichloropropylene	**20.4**	0.50	ug/L	20.0		102	75-125	2.48	30	
Ethylbenzene	**21.2**	0.50	ug/L	20.0		106	75-125	4.34	30	
Methyl-tert-Butyl Ether (MTBE)	**18.3**	2.0	ug/L	20.0		91.5	75-125	1.10	30	
Methylene Chloride	**21.7**	5.0	ug/L	20.0		108	75-125	2.80	30	
1,1,2,2-Tetrachloroethane	**20.5**	0.50	ug/L	20.0		102	75-125	3.36	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0504 - EPA 5030B										
LCS Dup (B5L0504-BSD1) Continued				Prepared & Analyzed: 12/02/05						
Tetrachloroethylene (PCE)	**22.2**	0.50	ug/L	20.0		111	75-125	6.99	30	
Toluene	**21.3**	0.50	ug/L	20.0		106	75-125	5.30	30	
1,1,2-Trichloroethane	**20.6**	0.50	ug/L	20.0		103	75-125	1.47	30	
1,1,1-Trichloroethane	**20.2**	0.50	ug/L	20.0		101	75-125	5.60	30	
Trichloroethylene (TCE)	**21.1**	0.50	ug/L	20.0		106	75-125	3.37	30	
Vinyl chloride	**21.2**	0.50	ug/L	20.0		106	75-125	1.41	30	
o-Xylene	**20.9**	0.50	ug/L	20.0		104	75-125	3.41	30	
Surrogate: 4-Bromofluorobenzene	*50.9*		*ug/L*	*50.0*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*46.0*		*ug/L*	*50.0*		*92.0*	*80-120*			
Surrogate: Toluene-d8	*50.1*		*ug/L*	*50.0*		*100*	*80-120*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0505 - EPA 5035										
Blank (B5L0505-BLK1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.103*		*mg/kg*	*0.100*		*103*	*80-120*			
LCS (B5L0505-BS1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	**1.14**	0.50	mg/kg	1.00		114	75-125			
Surrogate: Toluene-d8	*0.0940*		*mg/kg*	*0.100*		*94.0*	*80-120*			
LCS Dup (B5L0505-BSD1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	**1.04**	0.50	mg/kg	1.00		104	75-125	9.17	30	
Surrogate: Toluene-d8	*0.0964*		*mg/kg*	*0.100*		*96.4*	*80-120*			
Batch B5L0506 - EPA 5030B										
Blank (B5L0506-BLK1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	<100	100	ug/L							
Surrogate: Toluene-d8	*51.5*		*ug/L*	*50.0*		*103*	*80-120*			
LCS (B5L0506-BS1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	**570**	100	ug/L	500		114	75-125			
Surrogate: Toluene-d8	*47.0*		*ug/L*	*50.0*		*94.0*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0506 - EPA 5030B										
LCS Dup (B5L0506-BSD1)				Prepared & Analyzed: 12/02/05						
Stoddard Solvent	**520**	100	ug/L	500		104	75-125	9.17	30	
Surrogate: Toluene-d8	*48.2*		*ug/L*	*50.0*		*96.4*	*80-120*			
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L0502 - EPA 3550B										
Blank (B5L0502-BLK1)				Prepared & Analyzed: 12/02/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*9.80*		*mg/kg*	*10.0*		*98.0*	*50-150*			
LCS (B5L0502-BS1)				Prepared & Analyzed: 12/02/05						
Surrogate: o-Terphenyl	*13.6*		*mg/kg*	*10.0*		*136*	*50-150*			
Matrix Spike (B5L0502-MS1)			**Source: 5L02001-05**	Prepared & Analyzed: 12/02/05						
Surrogate: o-Terphenyl	*13.3*		*mg/kg*	*10.0*		*133*	*50-150*			
Matrix Spike Dup (B5L0502-MSD1)			**Source: 5L02001-05**	Prepared & Analyzed: 12/02/05						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L0502 - EPA 3550B										
Matrix Spike Dup (B5L0502-MSD1) Continued			**Source: 5L02001-05**	Prepared & Analyzed: 12/02/05						
Surrogate: o-Terphenyl	*13.3*		*mg/kg*	*10.0*		*133*	*50-150*			
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0710 - *** DEFAULT PREP ****										
Blank (B5L0710-BLK1)				Prepared & Analyzed: 12/01/05						
Benzene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
Dichlorodifluoromethane (R12)	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
1,2-Dichloroethane (EDC)	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Isopropanol	<10	10	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Stoddard Solvent	<100	100	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene (PCE)	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Trichloroethylene (TCE)	<1.0	1.0	ug/L							
Trichlorofluoromethane (R11)	<1.0	1.0	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0710 - *** DEFAULT PREP ****										
Blank (B5L0710-BLK1) Continued				Prepared & Analyzed: 12/01/05						
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/L							
Vinyl chloride	<1.0	1.0	ug/L							
o-Xylene	<1.0	1.0	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*55.1*		*ug/L*	*50.0*		*110*	*80-120*			
Surrogate: Dibromofluoromethane	*57.2*		*ug/L*	*50.0*		*114*	*80-120*			
Surrogate: Toluene-d8	*55.2*		*ug/L*	*50.0*		*110*	*80-120*			
LCS (B5L0710-BS1)				Prepared & Analyzed: 12/01/05						
Carbon Tetrachloride	**26.6**	1.0	ug/L	20.0		133	75-125			
Chloroethane	**23.2**	1.0	ug/L	20.0		116	75-125			
Chloroform	**20.9**	1.0	ug/L	20.0		104	75-125			
1,1-Dichloroethane	**23.5**	1.0	ug/L	20.0		118	75-125			
1,2-Dichloroethane (EDC)	**21.9**	1.0	ug/L	20.0		110	75-125			
1,1-Dichloroethylene	**16.4**	1.0	ug/L	20.0		82.0	75-125			
trans-1,2-Dichloroethylene	**18.8**	1.0	ug/L	20.0		94.0	75-125			
cis-1,2-Dichloroethylene	**19.0**	1.0	ug/L	20.0		95.0	75-125			
Ethylbenzene	**19.5**	1.0	ug/L	20.0		97.5	75-125			
Isopropanol	**870**	10	ug/L	500		174	0-200			
Methylene Chloride	**17.5**	5.0	ug/L	20.0		87.5	75-125			
Stoddard Solvent	**725**	100	ug/L	500		145	75-125			
1,1,2,2-Tetrachloroethane	**18.7**	1.0	ug/L	20.0		93.5	75-125			
Tetrachloroethylene (PCE)	**14.8**	1.0	ug/L	20.0		74.0	75-125			
Toluene	**18.5**	1.0	ug/L	20.0		92.5	75-125			
1,1,2-Trichloroethane	**16.1**	1.0	ug/L	20.0		80.5	75-125			
1,1,1-Trichloroethane	**22.7**	1.0	ug/L	20.0		114	75-125			
Trichloroethylene (TCE)	**20.0**	1.0	ug/L	20.0		100	75-125			
Vinyl chloride	**17.4**	1.0	ug/L	20.0		87.0	75-125			
o-Xylene	**19.3**	1.0	ug/L	20.0		96.5	75-125			
Surrogate: 4-Bromofluorobenzene	*54.8*		*ug/L*	*50.0*		*110*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0710 - *** DEFAULT PREP ****										
LCS (B5L0710-BS1) Continued				Prepared & Analyzed: 12/01/05						
Surrogate: Dibromofluoromethane	*54.4*		*ug/L*	*50.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50.0*		*102*	*80-120*			
Duplicate (B5L0710-DUP1)			**Source: 5L02001-18**	Prepared & Analyzed: 12/01/05						
Benzene	<0.20	0.20	ug/L		<0.20				30	
2-Butanone (MEK)	<2.0	2.0	ug/L		<2.0				30	
Carbon Tetrachloride	<0.20	0.20	ug/L		<0.20				30	
Chloroethane	<0.20	0.20	ug/L		<0.20				30	
Chloroform	<0.20	0.20	ug/L		<0.20				30	
Dichlorodifluoromethane (R12)	<0.20	0.20	ug/L		<0.20				30	
1,1-Dichloroethane	<0.20	0.20	ug/L		<0.20				30	
1,2-Dichloroethane (EDC)	<0.20	0.20	ug/L		<0.20				30	
1,1-Dichloroethylene	<0.20	0.20	ug/L		<0.20				30	
trans-1,2-Dichloroethylene	<0.20	0.20	ug/L		<0.20				30	
cis-1,2-Dichloroethylene	<0.20	0.20	ug/L		<0.20				30	
Ethylbenzene	<0.20	0.20	ug/L		<0.20				30	
Isopropanol	<2.0	2.0	ug/L		<2.0				30	
Methylene Chloride	<1.0	1.0	ug/L		<1.0				30	
Stoddard Solvent	<20	20	ug/L		<20				30	
1,1,1,2-Tetrachloroethane	<0.20	0.20	ug/L		<0.20				30	
1,1,2,2-Tetrachloroethane	<0.20	0.20	ug/L		<0.20				30	
Tetrachloroethylene (PCE)	<0.20	0.20	ug/L		<0.20				30	
Toluene	<0.20	0.20	ug/L		<0.20				30	
1,1,2-Trichloroethane	<0.20	0.20	ug/L		<0.20				30	
1,1,1-Trichloroethane	<0.20	0.20	ug/L		<0.20				30	
Trichloroethylene (TCE)	**0.440**	0.20	ug/L		0.94			72.5	30	
Trichlorofluoromethane (R11)	<0.20	0.20	ug/L		<0.20				30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	1.0	ug/L		<1.0				200	
Vinyl chloride	<0.20	0.20	ug/L		<0.20				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0710 - *** DEFAULT PREP ****										
Duplicate (B5L0710-DUP1) Continued		**Source: 5L02001-18**	Prepared & Analyzed: 12/01/05							
o-Xylene	<0.20	0.20	ug/L		<0.20				30	
m,p-Xylenes	<0.20	0.20	ug/L		<0.20				30	
Surrogate: 4-Bromofluorobenzene	*56.1*		*ug/L*	*50.0*		*112*	*80-120*			
Surrogate: Dibromofluoromethane	*57.9*		*ug/L*	*50.0*		*116*	*80-120*			
Surrogate: Toluene-d8	*56.5*		*ug/L*	*50.0*		*113*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563021
Date Received: 12/01/05
Date Reported: 12/23/05

Special Notes

[1] = E : The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).

Viorel Vasile
Operations Manager

MB563021 / SL02001

Chain-of-Custody Record

12783

Date: 12/01/05

Project No.: 10627.000.0

Samplers (Signatures): [illegible] / Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	VOCs (8260B/5035)	TPH Carbon Chain 8015B Modified	PCBs (8082)						Acidified	No. of containers
12/01/05	–	Temp-120105-01	W																4°C	–	1
↓ +	–	TB-120105-01	W									X						SL02001-01		2	2
+	1055	77-55-5.7	S									X	X	X					-02	–	4
+	1110	77-55-16.3	S									X	X	X					-03	–	7
+	1415	08-55-5.5	S									X	X	X					-04	–	4
↓ +	1435	08-55-16.1	S									X	X	X					-05	–	7

Additional Comments

Notes to Lab

For soil samples from acetate sleeves, use soil from "BLACK" cap end of sleeve

24 Hr turn around time

RUN MS/MSD

Turnaround Time: 5-day TAT for TPH, standard TAT for others. 24 Hr TAT for selected samples

Results To: Linda Conlan / Paula Delong

Total No. of containers: 25

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Thet Naing	12/01/05	Keith W. Fuzzy	12/01/05		
Printed Name: Thet Naing	Time:	Printed Name: Keith Folezzi	Time:	Printed Name:	Time:
Company: Geomatrix	1645	Company: American Analytics	1830	Company:	
Received (signature): Keith W. Fuzzy	Date: 12/01/05	Received (signature): [illegible]	Date: 12/01/05	Received (signature):	Date:
Printed Name: Keith Folezzi	Time:	Printed Name: Ludmila Glazer	Time:	Printed Name:	Time:
Company: American Analytics	1645	Company: AA	1830	Company:	

Method of shipment: Lab Courier (Driller)

Laboratory comments and Log No.: approved as work order 12/02/05 0600 V. Vorle

05DEC 11:28PM

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MB563091 / SL02001

Chain-of-Custody Record

12782

Date: 12/01/05

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCB's (8082)	VOCs (8260B)	TPH Carbon (Diesel) Soils Hydrocarbons						Acidified	No. of containers
12/01/05	–	Temp-120105-02	W																3C	–	1
↓	–	TB-120105-02	W										H				SL02001-06			2	2
↓	1630	EB-120105-01	W				HOLD				→	H	H	H	TH				-07	3	5

ANALYSES

REMARKS

Additional Comments

Notes to lab

H: Hold, Do not analyze

Turnaround Time: Standard TAT

Results To: Linda Conlan / Paula Delong

Total No. of containers: 8

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Thet Naing	12/01/05	Keith Forette	12/01/05		
Printed Name: Thet Naing	Time:	Printed Name: Keith Forette	Time:	Printed Name:	Time:
Company: Geomatrix	1645	Company: American Analytics	1830	Company:	
Received (signature): Keith Forette	Date: 12/01/05	Received (signature):	Date: 12/01/05	Received (signature):	Date:
Printed Name: Keith Forette	Time:	Printed Name: Michelle Glaze	Time:	Printed Name:	Time:
Company: American Analytics	1645	Company: AA	1830	Company:	

Method of shipment: Lab Courier (Driller)

Laboratory comments and Log No.: approved as work order 12/02/05 0000 M Vorke

05DEC 1 18:28:02

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-9345

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

№ 308149
DATE: 12/1/05
PAGE 1 OF 1

AA Client: Geometrix	Phone	Sampler's Name (Print): Allen Aminian	
Project Manager: Linda Coulan	P.O. No.	Sampler's Signature:	
Project Name: VERNON	Client's Project No.: 10627.000.0	Project Manager's Signature:	
Job Name and Address:			

ANALYSIS REQUIRED (Test Name): 8260B (Vocs) Stoddard Solvent

Client's I.D.	A.A. I.D.#	Date	Time	Sample Type	Number of Containers	8260B (Vocs)	Stoddard Solvent									Client's Comment Special Test Requirements / Comments (i.e., - Turnaround Time Detection Limits Data Package...)
AMBIENT AIR BLANK		12/1/05	8:44	V	1	X	X				SL02001-			08		50ml inj
64 62-SV-5.0		"	9:05	"	1	X	X							-09	150ml purge	50ml inj
A 64 62-SV-15.0		"	9:25	"	1	X	X							-10	500ml purge	50ml "
62-SV-5.0		"	9:55	"	1	X	X							-11	150ml purge	50ml inj
62-SV-15.0		"	10:14	"	1	X	X							-12	500ml purge	50ml inj
16-SV-5.0		"	13:02	"	1	X	X							-13	150ml purge	50ml inj
08-SV-5.0		"	15:20	"	1	X	X							-14	150ml purge	50ml inj
08-SV-15.0		"	15:40	"	1	X	X							-15	500ml purge	50ml inj
08-SV-5.0a		"	16:02	"	1	X	X							-16	NO "	10ml "
08-SV-15.0a		"	16:30	"	1	X	X							-17	NO -	10ml 1/4
49-SV-5.0		"	17:00	"	1	X	X							-18	150ml purge	50ml inj
49-SV-15.0		"	17:28	"	1	X	X							-19	500ml purge	50ml inj
49-SV-5.0 DUP		"	17:50	"	1	X	X							-20	NO "	50ml inj

LAB COMMENTS

Relinquished by:	Date	Time	Received by:
Ana Gonzalez	12/1/05	6:25pm	
Ana Gonzalez			
	12/1/05	8:00pm	

Approved as Work Order by: Print Name: [illegible] Signature: [illegible] Date/Time: 12/02/05 0800

AA Project No. MB563021 / SL02001

05 DEC 1 20:05:30

DISTRIBUTION: Page 1, White - Laboratory Page 2, Yellow - Laboratory Page 3, Pink - Account Executive Page 4, Gold - Client

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

December 18, 2005

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563022 / 5L05001

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/02/05 17:06 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8082 PCBs					
71-SS-6.3	5L05001-02	Soil	10	12/02/05 12:25	12/02/05 17:06
71-SS-11.1	5L05001-03	Soil	10	12/02/05 12:35	12/02/05 17:06
71-SS-2.3	5L05001-04	Soil	10	12/02/05 13:00	12/02/05 17:06
36-SS-7.5	5L05001-05	Soil	10	12/02/05 13:30	12/02/05 17:06
43-SS-2.5	5L05001-06	Soil	10	12/02/05 14:10	12/02/05 17:06
43-SS-7.5	5L05001-07	Soil	10	12/02/05 14:20	12/02/05 17:06
8260B Full List					
TB-120205-01	5L05001-01	Water	10	12/02/05 07:00	12/02/05 17:06
8260B/5035 Soil Full List					
43-SS-2.5	5L05001-06	Soil	10	12/02/05 14:10	12/02/05 17:06
43-SS-7.5	5L05001-07	Soil	10	12/02/05 14:20	12/02/05 17:06
Carbon Chain Characterization 8015M					
36-SS-7.5	5L05001-05	Soil	5	12/02/05 13:30	12/02/05 17:06
43-SS-2.5	5L05001-06	Soil	5	12/02/05 14:10	12/02/05 17:06
43-SS-7.5	5L05001-07	Soil	5	12/02/05 14:20	12/02/05 17:06
TPH as Stoddard Solvent					
TB-120205-01	5L05001-01	Water	10	12/02/05 07:00	12/02/05 17:06

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
TPH as Stoddard Solvent (5035)					
43-SS-2.5	5L05001-06	Soil	10	12/02/05 14:10	12/02/05 17:06
43-SS-7.5	5L05001-07	Soil	10	12/02/05 14:20	12/02/05 17:06
VOCs (Custom List) by GC/MS					
Ambient Air	5L05001-10	Vapor	10	12/02/05 08:44	12/02/05 17:06
49-SV-5.0b	5L05001-11	Vapor	10	12/02/05 09:28	12/02/05 17:06
49-SV-15.0a	5L05001-12	Vapor	10	12/02/05 09:43	12/02/05 17:06
50-SV-5.0	5L05001-13	Vapor	10	12/02/05 10:05	12/02/05 17:06
50-SV-15.0	5L05001-14	Vapor	10	12/02/05 10:29	12/02/05 17:06
69-SV-5.0	5L05001-15	Vapor	10	12/02/05 11:00	12/02/05 17:06
50-SV-15.0a	5L05001-16	Vapor	10	12/02/05 11:20	12/02/05 17:06
69-SV-15.0	5L05001-17	Vapor	10	12/02/05 11:50	12/02/05 17:06
48-SV-5.0	5L05001-18	Vapor	10	12/02/05 12:13	12/02/05 17:06
48-SV-15.0	5L05001-19	Vapor	10	12/02/05 12:43	12/02/05 17:06
50-SV-15.0b	5L05001-20	Vapor	10	12/02/05 13:29	12/02/05 17:06
50-SV-5.0-Dup	5L05001-21	Vapor	10	12/02/05 13:55	12/02/05 17:06

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Petroleum Hydrocarbons by GC/FID

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	12/02/05	12/02/05	12/02/05	
Date Prepared:	12/05/05	12/05/05	12/05/05	
Date Analyzed:	12/06/05	12/06/05	12/06/05	
AA ID No:	5L05001-05	5L05001-06	5L05001-07	
Client ID No:	36-SS-7.5	43-SS-2.5	43-SS-7.5	
Dilution Factor:	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)				
C6-C8	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	10
Surrogates				**%REC Limits**
o-Terphenyl	65.0%	98.0%	128%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	12/02/05	12/02/05	12/02/05	12/02/05	
Date Prepared:	12/06/05	12/06/05	12/06/05	12/06/05	
Date Analyzed:	12/09/05	12/09/05	12/09/05	12/09/05	
AA ID No:	5L05001-02	5L05001-03	5L05001-04	5L05001-05	
Client ID No:	71-SS-6.3	71-SS-11.1	71-SS-2.3	36-SS-7.5	
Dilution Factor:	5	1	10	10	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<100	<20	<200	<200	20
Aroclor-1221	<100	<20	<200	<200	20
Aroclor-1232	<100	<20	<200	<200	20
Aroclor-1242	<100	<20	<200	<200	20
Aroclor-1248	<100	**140**	<200	<200	20
Aroclor-1254	<100	<20	<200	<200	20
Aroclor-1260	<100	<20	**570**	<200	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	54.0%	60.0%	0.00 [2]	0.00 [2]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	12/02/05	12/02/05	
Date Prepared:	12/06/05	12/06/05	
Date Analyzed:	12/09/05	12/09/05	
AA ID No:	5L05001-06	5L05001-07	
Client ID No:	43-SS-2.5	43-SS-7.5	
Dilution Factor:	5	5	MRL
8082 PCBs (EPA 8082)			
Aroclor-1016	<100	<100	20
Aroclor-1221	<100	<100	20
Aroclor-1232	<100	<100	20
Aroclor-1242	<100	<100	20
Aroclor-1248	<100	<100	20
Aroclor-1254	<100	<100	20
Aroclor-1260	<100	<100	20
Surrogates			**%REC Limits**
Tetrachloro-meta-xylene	50.0%	57.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05
Units: mg/kg

Date Sampled:	12/02/05	12/02/05	
Date Prepared:	12/09/05	12/09/05	
Date Analyzed:	12/09/05	12/09/05	
AA ID No:	5L05001-06	5L05001-07	
Client ID No:	43-SS-2.5	43-SS-7.5	
Dilution Factor:	1	1	MRL
TPH as Stoddard Solvent (5035) (EPA 8260M/5035)			
Stoddard Solvent	<0.50	<0.50	0.50
Surrogates			**%REC Limits**
Toluene-d8	112%	112%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Sample Matrix:	Water	**Units:**	ug/L
Method:	Purgeable Volatile Organic Compounds by GC/MS		

Date Sampled:	12/02/05	
Date Prepared:	12/09/05	
Date Analyzed:	12/09/05	
AA ID No:	5L05001-01	
Client ID No:	TB-120205-01	
Dilution Factor:	1	MRL
TPH as Stoddard Solvent (EPA 8260M)		
Stoddard Solvent	<100	100
Surrogates		**%REC Limits**
Toluene-d8	104%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	12/02/05	12/02/05	
Date Prepared:	12/09/05	12/09/05	
Date Analyzed:	12/09/05	12/09/05	
AA ID No:	5L05001-06	5L05001-07	
Client ID No:	43-SS-2.5	43-SS-7.5	
Dilution Factor:	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035)			
Acetone	<50	<50	50
tert-Amyl Methyl Ether (TAME)	<5.0	<5.0	5.0
Benzene	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	50
tert-Butyl alcohol (TBA)	<20	<20	20
sec-Butylbenzene	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	10
Dibromochloromethane	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	12/02/05	12/02/05	
Date Prepared:	12/09/05	12/09/05	
Date Analyzed:	12/09/05	12/09/05	
AA ID No:	5L05001-06	5L05001-07	
Client ID No:	43-SS-2.5	43-SS-7.5	
Dilution Factor:	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)			
1,2-Dichlorobenzene	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	5.0
1,1-Dichloroethane	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	5.0
Diisopropyl ether (DIPE)	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	2.0
Ethyl-tert-Butyl Ether (ETBE)	<5.0	<5.0	5.0
Hexachlorobutadiene	<10	<10	10
2-Hexanone (MBK)	<50	<50	50
Isopropylbenzene	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	50
Naphthalene	<10	<10	10
n-Propylbenzene	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	5.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05
Units: ug/kg

Date Sampled:	12/02/05	12/02/05	
Date Prepared:	12/09/05	12/09/05	
Date Analyzed:	12/09/05	12/09/05	
AA ID No:	5L05001-06	5L05001-07	
Client ID No:	43-SS-2.5	43-SS-7.5	
Dilution Factor:	1	1	MRL
8260B/5035 Soil Full List (EPA 8260B/5035) (continued)			
1,1,2,2-Tetrachloroethane	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	<5.0	5.0
Toluene	<2.0	<2.0	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	5.0
Trichloroethylene (TCE)	<5.0	<5.0	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	5.0
o-Xylene	<2.0	**2.4**	2.0
m,p-Xylenes	<2.0	**3.6**	2.0

Surrogates			**%REC Limits**
4-Bromofluorobenzene	110%	106%	80-120
Dibromofluoromethane	104%	84.0%	80-120
Toluene-d8	110%	108%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05
Units: ug/L

Date Sampled:	12/02/05	
Date Prepared:	12/09/05	
Date Analyzed:	12/09/05	
AA ID No:	5L05001-01	
Client ID No:	TB-120205-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B)

Acetone	<10	10
Benzene	<0.50	0.50
Bromobenzene	<0.50	0.50
Bromochloromethane	<0.50	0.50
Bromodichloromethane	<0.50	0.50
Bromoform	<0.50	0.50
Bromomethane	<0.50	0.50
2-Butanone (MEK)	<10	10
tert-Butylbenzene	<0.50	0.50
sec-Butylbenzene	<0.50	0.50
n-Butylbenzene	<0.50	0.50
Carbon Disulfide	<0.50	0.50
Carbon Tetrachloride	<0.50	0.50
Chlorobenzene	<0.50	0.50
Chloroethane	<0.50	0.50
Chloroform	<0.50	0.50
Chloromethane	<0.50	0.50
4-Chlorotoluene	<0.50	0.50
2-Chlorotoluene	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	1.0
Dibromochloromethane	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	0.50
Dibromomethane	<0.50	0.50
1,2-Dichlorobenzene	<0.50	0.50
1,4-Dichlorobenzene	<0.50	0.50
1,3-Dichlorobenzene	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05
Units: ug/L

Date Sampled:	12/02/05	
Date Prepared:	12/09/05	
Date Analyzed:	12/09/05	
AA ID No:	5L05001-01	
Client ID No:	TB-120205-01	
Dilution Factor:	1	MRL

8260B Full List (EPA 8260B) (continued)

1,1-Dichloroethane	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	0.50
1,1-Dichloroethylene	<0.50	0.50
2,2-Dichloropropane	<0.50	0.50
1,2-Dichloropropane	<0.50	0.50
1,3-Dichloropropane	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	0.50
1,1-Dichloropropylene	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	0.50
Ethylbenzene	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50
Hexachlorobutadiene	<1.0	1.0
2-Hexanone (MBK)	<10	10
Isopropylbenzene	<0.50	0.50
4-Isopropyltoluene	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0
Methylene Chloride	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	10
Naphthalene	<2.0	2.0
n-Propylbenzene	<0.50	0.50
Styrene	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05
Units: ug/L

Date Sampled:	12/02/05	
Date Prepared:	12/09/05	
Date Analyzed:	12/09/05	
AA ID No:	5L05001-01	
Client ID No:	TB-120205-01	
Dilution Factor:	1	MRL
8260B Full List (EPA 8260B) (continued)		
Toluene	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	0.50
1,1,2-Trichloroethane	<0.50	0.50
1,1,1-Trichloroethane	<0.50	0.50
Trichloroethylene (TCE)	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	0.50
1,2,3-Trichloropropane	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	0.50
Vinyl chloride	<0.50	0.50
o-Xylene	<0.50	0.50
m,p-Xylenes	<1.0	1.0

Surrogates		**%REC Limits**
4-Bromofluorobenzene	98.0%	80-120
Dibromofluoromethane	88.0%	80-120
Toluene-d8	102%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	1	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

Ambient Air

5L05001-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	1	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

Ambient Air

5L05001-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

49-SV-5.0b

5L05001-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

49-SV-5.0b

5L05001-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	120 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

49-SV-15.0a

5L05001-12 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

49-SV-15.0a

5L05001-12 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	114 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

50-SV-5.0

5L05001-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	**530**	ug/L	20	**101.04**	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

50-SV-5.0

5L05001-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	114 %	80-120
Dibromofluoromethane	104 %	80-120
Toluene-d8	104 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

50-SV-15.0

5L05001-14 (Vapor)

Analyte	Result		(ug/L)	MRL	Result		(ppmv)	MRL
Benzene	<0.20		ug/L	0.20	<0.06		ppmv	0.06
2-Butanone (MEK)	<2.0		ug/L	2.0	<0.68		ppmv	0.68
Carbon Tetrachloride	<0.20		ug/L	0.20	<0.03		ppmv	0.03
Chloroethane	<0.20		ug/L	0.20	<0.08		ppmv	0.08
Chloroform	<0.20		ug/L	0.20	<0.04		ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20		ug/L	0.20	<0.04		ppmv	0.04
1,1-Dichloroethane	<0.20		ug/L	0.20	<0.05		ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20		ug/L	0.20	<0.05		ppmv	0.05
1,1-Dichloroethylene	<0.20		ug/L	0.20	<0.05		ppmv	0.05
trans-1,2-Dichloroethylene	<0.20		ug/L	0.20	<0.05		ppmv	0.05
cis-1,2-Dichloroethylene	<0.20		ug/L	0.20	<0.05		ppmv	0.05
Ethylbenzene	<0.20		ug/L	0.20	<0.05		ppmv	0.05
Isopropanol	<2.0		ug/L	2.0	<0.81		ppmv	0.81
Methylene Chloride	<1.0		ug/L	1.0	<0.29		ppmv	0.29
Stoddard Solvent	**1900**	E	ug/L	20	**362.22**	E	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20		ug/L	0.20	<0.03		ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20		ug/L	0.20	<0.03		ppmv	0.03
Tetrachloroethylene (PCE)	<0.20		ug/L	0.20	<0.03		ppmv	0.03
Toluene	<0.20		ug/L	0.20	<0.05		ppmv	0.05
1,1,2-Trichloroethane	<0.20		ug/L	0.20	<0.04		ppmv	0.04
1,1,1-Trichloroethane	<0.20		ug/L	0.20	<0.04		ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

50-SV-15.0

5L05001-14 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	104 %	80-120
Dibromofluoromethane	102 %	80-120
Toluene-d8	82.0 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

69-SV-5.0

5L05001-15 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

69-SV-5.0

5L05001-15 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	114 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	1	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

50-SV-15.0a

5L05001-16 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	**390**	ug/L	100	**74.35**	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	1	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

50-SV-15.0a

5L05001-16 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	108 %	80-120
Dibromofluoromethane	110 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

69-SV-15.0

5L05001-17 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

69-SV-15.0

5L05001-17 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	114 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

48-SV-5.0

5L05001-18 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

48-SV-5.0

5L05001-18 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	114 %	80-120
Toluene-d8	114 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

48-SV-15.0

5L05001-19 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	<20	ug/L	20	<3.81	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

48-SV-15.0

5L05001-19 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	80-120
Dibromofluoromethane	116 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

50-SV-15.0b

5L05001-20 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	**720**	ug/L	20	**137.26**	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

50-SV-15.0b

5L05001-20 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	114 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

50-SV-5.0-Dup

5L05001-21 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.20	ug/L	0.20	<0.06	ppmv	0.06
2-Butanone (MEK)	<2.0	ug/L	2.0	<0.68	ppmv	0.68
Carbon Tetrachloride	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Chloroethane	<0.20	ug/L	0.20	<0.08	ppmv	0.08
Chloroform	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Dichlorodifluoromethane (R12)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1-Dichloroethane	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,2-Dichloroethane (EDC)	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
trans-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
cis-1,2-Dichloroethylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Ethylbenzene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
Isopropanol	<2.0	ug/L	2.0	<0.81	ppmv	0.81
Methylene Chloride	<1.0	ug/L	1.0	<0.29	ppmv	0.29
Stoddard Solvent	**830**	ug/L	20	**158.23**	ppmv	3.81
1,1,1,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Tetrachloroethylene (PCE)	<0.20	ug/L	0.20	<0.03	ppmv	0.03
Toluene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
1,1,2-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,1-Trichloroethane	<0.20	ug/L	0.20	<0.04	ppmv	0.04

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563022
Project No:	10627.000.0	**Date Received:**	12/02/05
Project Name:	Vernon	**Date Reported:**	12/18/05
Matrix:	Vapor	**Sampled:**	12/02/05
Dilution:	0.2	**Prepared:**	12/02/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/02/05

50-SV-5.0-Dup

5L05001-21 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
Trichlorofluoromethane (R11)	<0.20	ug/L	0.20	<0.04	ppmv	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Vinyl chloride	<0.20	ug/L	0.20	<0.08	ppmv	0.08
o-Xylene	<0.20	ug/L	0.20	<0.05	ppmv	0.05
m,p-Xylenes	<0.20	ug/L	0.20	<0.05	ppmv	0.05

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	118 %	80-120
Dibromofluoromethane	112 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5L1431 - EPA 3550B										
Blank (B5L1431-BLK1)				Prepared: 12/06/05 Analyzed: 12/09/05						
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*3.00*		*ug/kg*	*5.00*		*60.0*	*50-150*			
LCS (B5L1431-BS1)				Prepared: 12/06/05 Analyzed: 12/09/05						
Aroclor-1016	**55.4**	20	ug/kg	50.0		111	60-140			
Aroclor-1260	**51.9**	20	ug/kg	50.0		104	60-140			
Surrogate: Tetrachloro-meta-xylene	*4.00*		*ug/kg*	*5.00*		*80.0*	*50-150*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1217 - EPA 5035										
Blank (B5L1217-BLK1)				Prepared & Analyzed: 12/09/05						
Acetone	<50	50	ug/kg							
tert-Amyl Methyl Ether (TAME)	<5.0	5.0	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
tert-Butyl alcohol (TBA)	<20	20	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							

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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1217 - EPA 5035										
Blank (B5L1217-BLK1) Continued				Prepared & Analyzed: 12/09/05						
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Diisopropyl ether (DIPE)	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							

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LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1217 - EPA 5035										
Blank (B5L1217-BLK1) Continued				Prepared & Analyzed: 12/09/05						
Ethyl-tert-Butyl Ether (ETBE)	<5.0	5.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1217 - EPA 5035										
Blank (B5L1217-BLK1) Continued				Prepared & Analyzed: 12/09/05						
Surrogate: 4-Bromofluorobenzene	*99.6*		*ug/kg*	*100*		*99.6*	*80-120*			
Surrogate: Dibromofluoromethane	*86.6*		*ug/kg*	*100*		*86.6*	*80-120*			
Surrogate: Toluene-d8	*104*		*ug/kg*	*100*		*104*	*80-120*			
LCS (B5L1217-BS1)				Prepared & Analyzed: 12/09/05						
Benzene	**43.4**	2.0	ug/kg	40.0		108	75-125			
Bromodichloromethane	**42.2**	5.0	ug/kg	40.0		106	75-125			
Bromoform	**39.8**	5.0	ug/kg	40.0		99.5	75-125			
Carbon Tetrachloride	**45.0**	5.0	ug/kg	40.0		112	75-125			
Chlorobenzene	**43.0**	5.0	ug/kg	40.0		108	75-125			
Chloroethane	**41.4**	5.0	ug/kg	40.0		104	75-125			
Chloroform	**40.4**	5.0	ug/kg	40.0		101	75-125			
Chloromethane	**48.0**	5.0	ug/kg	40.0		120	75-125			
Dibromochloromethane	**42.6**	5.0	ug/kg	40.0		106	75-125			
1,4-Dichlorobenzene	**41.0**	5.0	ug/kg	40.0		102	75-125			
1,1-Dichloroethane	**42.0**	5.0	ug/kg	40.0		105	75-125			
1,2-Dichloroethane (EDC)	**35.0**	5.0	ug/kg	40.0		87.5	75-125			
trans-1,2-Dichloroethylene	**42.4**	5.0	ug/kg	40.0		106	75-125			
cis-1,2-Dichloroethylene	**44.6**	5.0	ug/kg	40.0		112	75-125			
1,1-Dichloroethylene	**43.2**	5.0	ug/kg	40.0		108	75-125			
1,2-Dichloropropane	**42.2**	5.0	ug/kg	40.0		106	75-125			
cis-1,3-Dichloropropylene	**44.2**	5.0	ug/kg	40.0		110	75-125			
Ethylbenzene	**42.4**	2.0	ug/kg	40.0		106	75-125			
Methyl-tert-Butyl Ether (MTBE)	**41.8**	5.0	ug/kg	40.0		104	75-125			
Methylene Chloride	**50.4**	50	ug/kg	40.0		126	75-125			
n-Propylbenzene	**43.2**	5.0	ug/kg	40.0		108	75-125			
1,1,2,2-Tetrachloroethane	**45.2**	5.0	ug/kg	40.0		113	75-125			
Tetrachloroethylene (PCE)	**44.0**	5.0	ug/kg	40.0		110	75-125			
Toluene	**42.6**	2.0	ug/kg	40.0		106	75-125			
1,1,2-Trichloroethane	**43.4**	5.0	ug/kg	40.0		108	75-125			
1,1,1-Trichloroethane	**42.2**	5.0	ug/kg	40.0		106	75-125			
Trichloroethylene (TCE)	**46.2**	5.0	ug/kg	40.0		116	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1217 - EPA 5035										
LCS (B5L1217-BS1) Continued				Prepared & Analyzed: 12/09/05						
Vinyl chloride	**42.2**	5.0	ug/kg	40.0		106	75-125			
o-Xylene	**42.4**	2.0	ug/kg	40.0		106	75-125			
Surrogate: 4-Bromofluorobenzene	*97.4*		*ug/kg*	*100*		*97.4*	*80-120*			
Surrogate: Dibromofluoromethane	*96.0*		*ug/kg*	*100*		*96.0*	*80-120*			
Surrogate: Toluene-d8	*96.6*		*ug/kg*	*100*		*96.6*	*80-120*			
LCS Dup (B5L1217-BSD1)				Prepared & Analyzed: 12/09/05						
Benzene	**42.8**	2.0	ug/kg	40.0		107	75-125	1.39	40	
Bromodichloromethane	**40.6**	5.0	ug/kg	40.0		102	75-125	3.86	40	
Bromoform	**34.4**	5.0	ug/kg	40.0		86.0	75-125	14.6	40	
Carbon Tetrachloride	**41.6**	5.0	ug/kg	40.0		104	75-125	7.85	40	
Chlorobenzene	**41.6**	5.0	ug/kg	40.0		104	75-125	3.31	40	
Chloroethane	**40.2**	5.0	ug/kg	40.0		100	75-125	2.94	40	
Chloroform	**40.4**	5.0	ug/kg	40.0		101	75-125	0.00	40	
Chloromethane	**46.0**	5.0	ug/kg	40.0		115	75-125	4.26	40	
Dibromochloromethane	**39.4**	5.0	ug/kg	40.0		98.5	75-125	7.80	40	
1,4-Dichlorobenzene	**40.8**	5.0	ug/kg	40.0		102	75-125	0.489	40	
1,1-Dichloroethane	**40.8**	5.0	ug/kg	40.0		102	75-125	2.90	40	
1,2-Dichloroethane (EDC)	**36.6**	5.0	ug/kg	40.0		91.5	75-125	4.47	40	
trans-1,2-Dichloroethylene	**40.6**	5.0	ug/kg	40.0		102	75-125	4.34	40	
cis-1,2-Dichloroethylene	**42.8**	5.0	ug/kg	40.0		107	75-125	4.12	40	
1,1-Dichloroethylene	**41.2**	5.0	ug/kg	40.0		103	75-125	4.74	40	
1,2-Dichloropropane	**41.8**	5.0	ug/kg	40.0		104	75-125	0.952	40	
cis-1,3-Dichloropropylene	**41.8**	5.0	ug/kg	40.0		104	75-125	5.58	40	
Ethylbenzene	**40.6**	2.0	ug/kg	40.0		102	75-125	4.34	40	
Methyl-tert-Butyl Ether (MTBE)	**42.0**	5.0	ug/kg	40.0		105	75-125	0.477	40	
Methylene Chloride	**48.6**	50	ug/kg	40.0		122	75-125	3.64	40	
n-Propylbenzene	**42.0**	5.0	ug/kg	40.0		105	75-125	2.82	40	
1,1,2,2-Tetrachloroethane	**44.0**	5.0	ug/kg	40.0		110	75-125	2.69	40	
Tetrachloroethylene (PCE)	**45.4**	5.0	ug/kg	40.0		114	75-125	3.13	40	
Toluene	**41.0**	2.0	ug/kg	40.0		102	75-125	3.83	40	
1,1,2-Trichloroethane	**43.0**	5.0	ug/kg	40.0		108	75-125	0.926	40	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1217 - EPA 5035										
LCS Dup (B5L1217-BSD1) Continued				Prepared & Analyzed: 12/09/05						
1,1,1-Trichloroethane	**40.2**	5.0	ug/kg	40.0		100	75-125	4.85	40	
Trichloroethylene (TCE)	**47.8**	5.0	ug/kg	40.0		120	75-125	3.40	40	
Vinyl chloride	**38.0**	5.0	ug/kg	40.0		95.0	75-125	10.5	40	
o-Xylene	**41.2**	2.0	ug/kg	40.0		103	75-125	2.87	40	
Surrogate: 4-Bromofluorobenzene	*99.4*		*ug/kg*	*100*		*99.4*	*80-120*			
Surrogate: Dibromofluoromethane	*95.8*		*ug/kg*	*100*		*95.8*	*80-120*			
Surrogate: Toluene-d8	*98.2*		*ug/kg*	*100*		*98.2*	*80-120*			
Batch B5L1218 - EPA 5030B										
Blank (B5L1218-BLK1)				Prepared & Analyzed: 12/09/05						
Acetone	<10	10	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1218 - EPA 5030B										
Blank (B5L1218-BLK1) Continued				Prepared & Analyzed: 12/09/05						
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1218 - EPA 5030B										
Blank (B5L1218-BLK1) Continued				Prepared & Analyzed: 12/09/05						
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*49.8*		*ug/L*	*50.0*		*99.6*	*80-120*			
Surrogate: Dibromofluoromethane	*43.3*		*ug/L*	*50.0*		*86.6*	*80-120*			
Surrogate: Toluene-d8	*51.8*		*ug/L*	*50.0*		*104*	*80-120*			
LCS (B5L1218-BS1)				Prepared & Analyzed: 12/09/05						
Benzene	**21.7**	0.50	ug/L	20.0		108	75-125			
Bromodichloromethane	**21.1**	0.50	ug/L	20.0		106	75-125			
Bromoform	**19.9**	0.50	ug/L	20.0		99.5	75-125			
Carbon Tetrachloride	**22.5**	0.50	ug/L	20.0		112	75-125			
Chlorobenzene	**21.5**	0.50	ug/L	20.0		108	75-125			
Chloroethane	**20.7**	0.50	ug/L	20.0		104	75-125			
Chloroform	**20.2**	0.50	ug/L	20.0		101	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1218 - EPA 5030B										
LCS (B5L1218-BS1) Continued				Prepared & Analyzed: 12/09/05						
Chloromethane	**24.0**	0.50	ug/L	20.0		120	75-125			
Dibromochloromethane	**21.3**	0.50	ug/L	20.0		106	75-125			
1,4-Dichlorobenzene	**20.5**	0.50	ug/L	20.0		102	75-125			
1,1-Dichloroethane	**21.0**	0.50	ug/L	20.0		105	75-125			
1,2-Dichloroethane (EDC)	**17.5**	0.50	ug/L	20.0		87.5	75-125			
cis-1,2-Dichloroethylene	**22.3**	0.50	ug/L	20.0		112	75-125			
trans-1,2-Dichloroethylene	**21.2**	0.50	ug/L	20.0		106	75-125			
1,1-Dichloroethylene	**21.6**	0.50	ug/L	20.0		108	75-125			
1,2-Dichloropropane	**21.1**	0.50	ug/L	20.0		106	75-125			
cis-1,3-Dichloropropylene	**22.1**	0.50	ug/L	20.0		110	75-125			
Ethylbenzene	**21.2**	0.50	ug/L	20.0		106	75-125			
Methyl-tert-Butyl Ether (MTBE)	**20.9**	2.0	ug/L	20.0		104	75-125			
Methylene Chloride	**25.2**	5.0	ug/L	20.0		126	75-125			
1,1,2,2-Tetrachloroethane	**22.6**	0.50	ug/L	20.0		113	75-125			
Tetrachloroethylene (PCE)	**22.0**	0.50	ug/L	20.0		110	75-125			
Toluene	**21.3**	0.50	ug/L	20.0		106	75-125			
1,1,2-Trichloroethane	**21.7**	0.50	ug/L	20.0		108	75-125			
1,1,1-Trichloroethane	**21.1**	0.50	ug/L	20.0		106	75-125			
Trichloroethylene (TCE)	**23.1**	0.50	ug/L	20.0		116	75-125			
Vinyl chloride	**21.1**	0.50	ug/L	20.0		106	75-125			
o-Xylene	**21.2**	0.50	ug/L	20.0		106	75-125			
Surrogate: 4-Bromofluorobenzene	*48.7*		*ug/L*	*50.0*		*97.4*	*80-120*			
Surrogate: Dibromofluoromethane	*48.0*		*ug/L*	*50.0*		*96.0*	*80-120*			
Surrogate: Toluene-d8	*48.3*		*ug/L*	*50.0*		*96.6*	*80-120*			
LCS Dup (B5L1218-BSD1)				Prepared & Analyzed: 12/09/05						
Benzene	**21.4**	0.50	ug/L	20.0		107	75-125	1.39	30	
Bromodichloromethane	**20.3**	0.50	ug/L	20.0		102	75-125	3.86	30	
Bromoform	**17.2**	0.50	ug/L	20.0		86.0	75-125	14.6	30	
Carbon Tetrachloride	**20.8**	0.50	ug/L	20.0		104	75-125	7.85	30	
Chlorobenzene	**20.8**	0.50	ug/L	20.0		104	75-125	3.31	30	
Chloroethane	**20.1**	0.50	ug/L	20.0		100	75-125	2.94	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1218 - EPA 5030B										
LCS Dup (B5L1218-BSD1) Continued				Prepared & Analyzed: 12/09/05						
Chloroform	**20.2**	0.50	ug/L	20.0		101	75-125	0.00	30	
Chloromethane	**23.0**	0.50	ug/L	20.0		115	75-125	4.26	30	
Dibromochloromethane	**19.7**	0.50	ug/L	20.0		98.5	75-125	7.80	30	
1,4-Dichlorobenzene	**20.4**	0.50	ug/L	20.0		102	75-125	0.489	30	
1,1-Dichloroethane	**20.4**	0.50	ug/L	20.0		102	75-125	2.90	30	
1,2-Dichloroethane (EDC)	**18.3**	0.50	ug/L	20.0		91.5	75-125	4.47	30	
cis-1,2-Dichloroethylene	**21.4**	0.50	ug/L	20.0		107	75-125	4.12	30	
trans-1,2-Dichloroethylene	**20.3**	0.50	ug/L	20.0		102	75-125	4.34	30	
1,1-Dichloroethylene	**20.6**	0.50	ug/L	20.0		103	75-125	4.74	30	
1,2-Dichloropropane	**20.9**	0.50	ug/L	20.0		104	75-125	0.952	30	
cis-1,3-Dichloropropylene	**20.9**	0.50	ug/L	20.0		104	75-125	5.58	30	
Ethylbenzene	**20.3**	0.50	ug/L	20.0		102	75-125	4.34	30	
Methyl-tert-Butyl Ether (MTBE)	**21.0**	2.0	ug/L	20.0		105	75-125	0.477	30	
Methylene Chloride	**24.3**	5.0	ug/L	20.0		122	75-125	3.64	30	
1,1,2,2-Tetrachloroethane	**22.0**	0.50	ug/L	20.0		110	75-125	2.69	30	
Tetrachloroethylene (PCE)	**22.7**	0.50	ug/L	20.0		114	75-125	3.13	30	
Toluene	**20.5**	0.50	ug/L	20.0		102	75-125	3.83	30	
1,1,2-Trichloroethane	**21.5**	0.50	ug/L	20.0		108	75-125	0.926	30	
1,1,1-Trichloroethane	**20.1**	0.50	ug/L	20.0		100	75-125	4.85	30	
Trichloroethylene (TCE)	**23.9**	0.50	ug/L	20.0		120	75-125	3.40	30	
Vinyl chloride	**19.0**	0.50	ug/L	20.0		95.0	75-125	10.5	30	
o-Xylene	**20.6**	0.50	ug/L	20.0		103	75-125	2.87	30	
Surrogate: 4-Bromofluorobenzene	*49.7*		*ug/L*	*50.0*		*99.4*	*80-120*			
Surrogate: Dibromofluoromethane	*47.9*		*ug/L*	*50.0*		*95.8*	*80-120*			
Surrogate: Toluene-d8	*49.1*		*ug/L*	*50.0*		*98.2*	*80-120*			
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1219 - EPA 5035										
Blank (B5L1219-BLK1)				Prepared & Analyzed: 12/09/05						
Stoddard Solvent	<0.50	0.50	mg/kg							
Surrogate: Toluene-d8	*0.105*		*mg/kg*	*0.100*		*105*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L1219 - EPA 5035										
LCS (B5L1219-BS1)				Prepared & Analyzed: 12/09/05						
Stoddard Solvent	**0.960**	0.50	mg/kg	1.00		96.0	75-125			
Surrogate: Toluene-d8	*0.0940*		*mg/kg*	*0.100*		*94.0*	*80-120*			
LCS Dup (B5L1219-BSD1)				Prepared & Analyzed: 12/09/05						
Stoddard Solvent	**1.02**	0.50	mg/kg	1.00		102	75-125	6.06	30	
Surrogate: Toluene-d8	*0.0946*		*mg/kg*	*0.100*		*94.6*	*80-120*			
Batch B5L1220 - EPA 5030B										
Blank (B5L1220-BLK1)				Prepared & Analyzed: 12/09/05						
Stoddard Solvent	<100	100	ug/L							
Surrogate: Toluene-d8	*52.4*		*ug/L*	*50.0*		*105*	*80-120*			
LCS (B5L1220-BS1)				Prepared & Analyzed: 12/09/05						
Stoddard Solvent	**480**	100	ug/L	500		96.0	75-125			
Surrogate: Toluene-d8	*47.0*		*ug/L*	*50.0*		*94.0*	*80-120*			
LCS Dup (B5L1220-BSD1)				Prepared & Analyzed: 12/09/05						
Stoddard Solvent	**510**	100	ug/L	500		102	75-125	6.06	30	
Surrogate: Toluene-d8	*47.3*		*ug/L*	*50.0*		*94.6*	*80-120*			
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L0708 - EPA 3550B										
Blank (B5L0708-BLK1)				Prepared: 12/05/05 Analyzed: 12/06/05						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
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Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Petroleum Hydrocarbons by GC/FID - Quality Control										
Batch B5L0708 - EPA 3550B										
Blank (B5L0708-BLK1) Continued				Prepared: 12/05/05		Analyzed: 12/06/05				
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*0.00*		*mg/kg*	*10.0*			*50-150*			
LCS (B5L0708-BS1)				Prepared: 12/05/05		Analyzed: 12/06/05				
Diesel Range Organics as Diesel	**203**		mg/kg	200		102	75-125			
Surrogate: o-Terphenyl	*11.1*		*mg/kg*	*10.0*		*111*	*50-150*			
Matrix Spike (B5L0708-MS1)		**Source: 5L05001-06**		Prepared: 12/05/05		Analyzed: 12/06/05				
Diesel Range Organics as Diesel	**260**		mg/kg	200	0.0	130	70-130			
Surrogate: o-Terphenyl	*15.0*		*mg/kg*	*10.0*		*150*	*50-150*			
Matrix Spike Dup (B5L0708-MSD1)		**Source: 5L05001-06**		Prepared: 12/05/05		Analyzed: 12/06/05				
Diesel Range Organics as Diesel	**254**		mg/kg	200	0.0	127	70-130	2.33	40	
Surrogate: o-Terphenyl	*13.8*		*mg/kg*	*10.0*		*138*	*50-150*			
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0714 - *** DEFAULT PREP ****										
Blank (B5L0714-BLK1)				Prepared & Analyzed: 12/02/05						
Benzene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
Dichlorodifluoromethane (R12)	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
1,2-Dichloroethane (EDC)	<1.0	1.0	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0714 - *** DEFAULT PREP ****										
Blank (B5L0714-BLK1) Continued				Prepared & Analyzed: 12/02/05						
1,1-Dichloroethylene	<1.0	1.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Isopropanol	<10	10	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Stoddard Solvent	<100	100	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene (PCE)	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Trichloroethylene (TCE)	<1.0	1.0	ug/L							
Trichlorofluoromethane (R11)	<1.0	1.0	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/L							
Vinyl chloride	<1.0	1.0	ug/L							
o-Xylene	<1.0	1.0	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*56.2*		*ug/L*	*50.0*		*112*	*80-120*			
Surrogate: Dibromofluoromethane	*56.1*		*ug/L*	*50.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*56.3*		*ug/L*	*50.0*		*113*	*80-120*			
LCS (B5L0714-BS1)				Prepared & Analyzed: 12/02/05						
Carbon Tetrachloride	**29.7**	1.0	ug/L	20.0		148	75-125			
Chloroethane	**18.9**	1.0	ug/L	20.0		94.5	75-125			
Chloroform	**21.6**	1.0	ug/L	20.0		108	75-125			
1,1-Dichloroethane	**25.1**	1.0	ug/L	20.0		126	75-125			
1,2-Dichloroethane (EDC)	**17.9**	1.0	ug/L	20.0		89.5	75-125			
1,1-Dichloroethylene	**17.7**	1.0	ug/L	20.0		88.5	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

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Date Received: 12/02/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0714 - *** DEFAULT PREP ****										
LCS (B5L0714-BS1) Continued				Prepared & Analyzed: 12/02/05						
trans-1,2-Dichloroethylene	**21.2**	1.0	ug/L	20.0		106	75-125			
cis-1,2-Dichloroethylene	**20.1**	1.0	ug/L	20.0		100	75-125			
Ethylbenzene	**19.3**	1.0	ug/L	20.0		96.5	75-125			
Isopropanol	**930**	10	ug/L	500		186	0-200			
Methylene Chloride	**15.3**	5.0	ug/L	20.0		76.5	75-125			
Stoddard Solvent	**611**	100	ug/L	500		122	75-125			
1,1,2,2-Tetrachloroethane	**17.4**	1.0	ug/L	20.0		87.0	75-125			
Tetrachloroethylene (PCE)	**16.6**	1.0	ug/L	20.0		83.0	75-125			
Toluene	**18.6**	1.0	ug/L	20.0		93.0	75-125			
1,1,2-Trichloroethane	**15.5**	1.0	ug/L	20.0		77.5	75-125			
1,1,1-Trichloroethane	**26.3**	1.0	ug/L	20.0		132	75-125			
Trichloroethylene (TCE)	**21.4**	1.0	ug/L	20.0		107	75-125			
Vinyl chloride	**14.9**	1.0	ug/L	20.0		74.5	75-125			
o-Xylene	**18.9**	1.0	ug/L	20.0		94.5	75-125			
Surrogate: 4-Bromofluorobenzene	*55.8*		*ug/L*	*50.0*		*112*	*80-120*			
Surrogate: Dibromofluoromethane	*55.6*		*ug/L*	*50.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*51.8*		*ug/L*	*50.0*		*104*	*80-120*			
Duplicate (B5L0714-DUP1)		**Source: 5L05001-13**		Prepared & Analyzed: 12/02/05						
Benzene	<0.20	0.20	ug/L		<0.20				30	
2-Butanone (MEK)	<2.0	2.0	ug/L		<2.0				30	
Carbon Tetrachloride	<0.20	0.20	ug/L		<0.20				30	
Chloroethane	<0.20	0.20	ug/L		<0.20				30	
Chloroform	<0.20	0.20	ug/L		<0.20				30	
Dichlorodifluoromethane (R12)	<0.20	0.20	ug/L		<0.20				30	
1,1-Dichloroethane	<0.20	0.20	ug/L		<0.20				30	
1,2-Dichloroethane (EDC)	<0.20	0.20	ug/L		<0.20				30	
1,1-Dichloroethylene	<0.20	0.20	ug/L		<0.20				30	
trans-1,2-Dichloroethylene	<0.20	0.20	ug/L		<0.20				30	
cis-1,2-Dichloroethylene	<0.20	0.20	ug/L		<0.20				30	
Ethylbenzene	<0.20	0.20	ug/L		<0.20				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0714 - *** DEFAULT PREP ****										
Duplicate (B5L0714-DUP1) Continued		**Source: 5L05001-13**	Prepared & Analyzed: 12/02/05							
Isopropanol	<2.0	2.0	ug/L		<2.0				30	
Methylene Chloride	<1.0	1.0	ug/L		<1.0				30	
Stoddard Solvent	**833**	20	ug/L		530			44.5	30	
1,1,1,2-Tetrachloroethane	<0.20	0.20	ug/L		<0.20				30	
1,1,2,2-Tetrachloroethane	<0.20	0.20	ug/L		<0.20				30	
Tetrachloroethylene (PCE)	<0.20	0.20	ug/L		<0.20				30	
Toluene	<0.20	0.20	ug/L		<0.20				30	
1,1,2-Trichloroethane	<0.20	0.20	ug/L		<0.20				30	
1,1,1-Trichloroethane	<0.20	0.20	ug/L		<0.20				30	
Trichloroethylene (TCE)	<0.20	0.20	ug/L		<0.20				30	
Trichlorofluoromethane (R11)	<0.20	0.20	ug/L		<0.20				30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<1.0	1.0	ug/L		<1.0				200	
Vinyl chloride	<0.20	0.20	ug/L		<0.20				30	
o-Xylene	<0.20	0.20	ug/L		<0.20				30	
m,p-Xylenes	<0.20	0.20	ug/L		<0.20				30	
Surrogate: 4-Bromofluorobenzene	*59.5*		*ug/L*	*50.0*		*119*	*80-120*			
Surrogate: Dibromofluoromethane	*55.5*		*ug/L*	*50.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*55.6*		*ug/L*	*50.0*		*111*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563022
Date Received: 12/02/05
Date Reported: 12/18/05

Special Notes

[1] = E : The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).

[2] = S-06 : The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

Viorel Vasile
Operations Manager

MB563022/SL05001

Chain-of-Custody Record

12784

Date: 12/02/05

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	VOCs (8260B)	PCB's (8082)	TPH Carbon Chain						Acidified	No. of containers
12/02/05	—	Temp-120205-01	W																3℃	—	1
—	—	TB-120205-01	W									X							SL05001-01	Z	2
—	1225	71-55-6.3	S									H	X	H					-02	—	4
—	1235	71-55-11.1	S									H	X	H					-03	—	4
—	1300	71-55-2.3	S										X						-04	—	2
—	1310	36-55-7.5	S									H	X	X					-05	—	4
—	1410	43-55-2.5	S									X	X	X					-06	—	4
—	1420	43-55-7.5	S									X	X	X					-07	—	4

Turnaround Time: 5-day TAT for TPH, Standard TAT for Others

Results To: Linda Cordova / Paula Delong

Total No. of containers: 25

REMARKS

Additional Comments

Notes to Lab:

For soil samples from acetate sleeves, use soil from "BLACK" cap end of sleeve

H: Hold, do not analyze

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Thet Naing	12/02/05	Keith W. Zuezzi	12/02/05		
Printed Name: Thet Naing	Time: 1530	Printed Name: Keith Zuezzi	Time: 1705	Printed Name:	Time:
Company: Geomatrix		Company: American Analytics		Company:	
Received (signature): Keith W. Zuezzi	Date: 12/02/05	Received (signature):	Date: 12/02/05	Received (signature):	Date:
Printed Name: Keith Zuezzi	Time: 1530	Printed Name: Ludmila Glazersh	Time: 17:06	Printed Name:	Time:
Company: American Analytics		Company:		Company:	

Method of shipment: Lab Courier (Driver)

Laboratory comments and Log No.: approved as work order 12/05/05 0715 V. Vorte

05DEC 2 17:06:08

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MB563022 / SL05001

Chain-of-Custody Record

12785

Date: 12/2/05

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	VOCs (8260B)	TPH Carbon Chain 8015B (modified)	PCBs (8082)							Acidified	No. of containers
12/2/05	—	Temp-120205-02	W																SL		—	1
	—	TB-120205-02	W									H						SL05001-08			2	2
	1530	EB-120205-01	W									H	H	H					-09		3	5

ANALYSES

REMARKS

Additional Comments

Notes to Lab -

H: Hold; do not analyse

Turnaround Time: Standard

Results To: Linda Carlan / Paula Delong

Total No. of containers: 8

Relinquished by (signature)	Date	Relinquished by (signature)	Date	Relinquished by (signature)	Date
Thet Naing	12/02/05	Keith Toleffi	12/02/05		
Printed Name: Thet Naing	Time: 1530	Printed Name: Keith Toleffi	Time: 1505	Printed Name:	Time:
Company: Geomatrix		Company: American Analytics		Company:	
Received (signature)	**Date**	**Received (signature)**	**Date**	**Received (signature)**	**Date**
Keith Toleffi	12/02/05		12/2/05		
Printed Name: Keith Toleffi	Time: 1530	Printed Name: Ludmila Glazenber	Time: 17:06	Printed Name:	Time:
Company: American Analytics		Company:		Company:	

Method of shipment: Lab Courier (Driver)

Laboratory comments and Log No.: approved by work order 12/05/050715 V. Vosile

05DEC 2 17:06 06

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

№ 308150
DATE: 12/2/05
PAGE 1 OF 1

AA Client: GEOMATRIX	Phone	Sampler's Name (Print): Allen Aminian	
Project Manager: Linda Coulan	P.O. No.	Sampler's Signature:	
Project Name: VERNON	Client's Project No.: 10627.000.0	Project Manager's Signature:	
Job Name and Address			

ANALYSIS REQUIRED (Test Name): 8260M (VOCs) Standard Silver

Client's Comment Special Test Requirements / Comments (i.e., - Turnaround Time, Detection Limits, Data Package...)

Client's I.D.	A.A. I.D.#	Date	Time	Sample Type	Number of Containers	8260M (VOCs)	Standard Silver								Client's Comment
AMBIENT AIR	BLANK	12/2/05	8:44	V	1	X	X				SL05001			-10	50 ml vapor inj
49-SV-5.0	A	"	9:20	"	1	X	X	=	Not	analyzed.				—	50 ml " 150 ml purge
49-SV-5.0	B	"	9:28	"	1	X	X							-11	50 ml vapor " purge
49-SV-15.0	A	"	9:43	"	1	X	X							-12	500 ml purge 50 ml inj
50-SV-5.0		"	10:05	"	1	X	X							-13	150 ml purge 50 ml inj
50-SV-15.0		"	10:29	"	1	X	X							-14	500 ml purge 50 ml inj
69-SV-5.0		"	11:00	"	1	X	X							-15	150 ml purge 50 ml inj
50-SV-15.0a		"	11:20	"	1	X	X							-16	0 " 10 ml inj
69-SV-15.0		"	11:50	"	1	X	X							-17	500 ml purge 50 ml inj
48-SV-5.0		"	12:13	"	1	X	X							-18	150 ml purge 50 ml inj
48-SV-15.0		"	12:43	"	1	X	X							-19	500 ml purge 50 ml inj
50-SV-15.0b		"	13:29	"	1	X	X							-20	100 ml purge 50 ml inj
50-SV-5.0-Dup		"	13:55	"	1	X	X							-21	100 ml purge. 50 ml inj

LAB COMMENTS

Relinquished by:	Date	Time	Received by:
[signature]	12/2/05	15:00	[signature]
[signature]	12/2/05	17:33	[signature]

Approved as Work Order by: Print Name: WALDER VARGE Signature: [signature] Date/Time: 12/05/05 0715

AA Project No.: MB 563022 / SL05001

DISTRIBUTION: Page 1, White - Laboratory Page 2, Yellow - Laboratory Page 3, Pink - Account Executive Page 4, Gold - Client

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

December 23, 2005

Linda Conlan

Geomatrix Consultants

510 Superior Avenue, Suite 200

Newport Beach, CA 92663

Re : Vernon / 10627.000.0

MB563023 / 5L06003

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/05/05 19:03 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8082 PCBs					
73-SS-2.6	5L06003-02	Soil	10	12/05/05 09:45	12/05/05 19:03
73-SS-6.4	5L06003-03	Soil	10	12/05/05 10:00	12/05/05 19:03
73-CS-0.3	5L06003-04	Concrete	10	12/05/05 14:15	12/05/05 19:03
17-CS-0.3B	5L06003-05	Concrete	10	12/05/05 14:55	12/05/05 19:03
18-CS-0.3B	5L06003-06	Concrete	10	12/05/05 15:05	12/05/05 19:03
19-CS-0.3B	5L06003-07	Concrete	10	12/05/05 15:15	12/05/05 19:03
02-CS-0.3B	5L06003-08	Concrete	10	12/05/05 15:20	12/05/05 19:03
10-CS-0.3B	5L06003-09	Concrete	10	12/05/05 15:30	12/05/05 19:03
35-CS-0.3B	5L06003-10	Concrete	10	12/05/05 15:35	12/05/05 19:03
41-CS-0.3B	5L06003-11	Concrete	10	12/05/05 15:40	12/05/05 19:03
74-CS-0.3B	5L06003-12	Concrete	10	12/05/05 15:45	12/05/05 19:03
21-CS-0.3	5L06003-13	Concrete	10	12/05/05 15:50	12/05/05 19:03
73-CS-0.3B	5L06003-14	Concrete	10	12/05/05 15:55	12/05/05 19:03
05-CS-0.3	5L06003-16	Concrete	10	12/05/05 16:10	12/05/05 19:03
36-CS-0.3	5L06003-18	Concrete	10	12/05/05 16:16	12/05/05 19:03
48-CS-0.3	5L06003-20	Concrete	10	12/05/05 16:23	12/05/05 19:03

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
16-CS-0.3	5L06003-22	Concrete	10	12/05/05 16:27	12/05/05 19:03
15A-CS-0.3	5L06003-24	Concrete	10	12/05/05 16:35	12/05/05 19:03
26-CS-0.3	5L06003-26	Concrete	10	12/05/05 16:42	12/05/05 19:03
27-CS-0.3	5L06003-28	Concrete	10	12/05/05 16:47	12/05/05 19:03
VOCs (Custom List) by GC/MS					
Ambient Air	5L06003-32	Vapor	10	12/05/05 08:10	12/05/05 19:03
61-SV-5.0	5L06003-33	Vapor	10	12/05/05 08:51	12/05/05 19:03
61-SV-15.0	5L06003-34	Vapor	10	12/05/05 09:15	12/05/05 19:03
63-SV-15.0	5L06003-35	Vapor	10	12/05/05 09:37	12/05/05 19:03
63-SV-5.0	5L06003-36	Vapor	10	12/05/05 10:06	12/05/05 19:03
63-SV-5.0-Dup	5L06003-37	Vapor	10	12/05/05 10:30	12/05/05 19:03

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Concrete
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	12/05/05	12/05/05	12/05/05	12/05/05	
Date Prepared:	12/07/05	12/07/05	12/07/05	12/07/05	
Date Analyzed:	12/15/05	12/15/05	12/15/05	12/15/05	
AA ID No:	5L06003-04	5L06003-05	5L06003-06	5L06003-07	
Client ID No:	73-CS-0.3	17-CS-0.3B	18-CS-0.3B	19-CS-0.3B	
Dilution Factor:	5	5	20	20	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<100	<100	<400	<400	20
Aroclor-1221	<100	<100	<400	<400	20
Aroclor-1232	<100	<100	<400	<400	20
Aroclor-1242	<100	<100	<400	<400	20
Aroclor-1248	**230**	**100**	**610**	**830**	20
Aroclor-1254	<100	<100	<400	<400	20
Aroclor-1260	<100	<100	<400	<400	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	68.0%	85.0%	0.00 [1]	0.00 [1]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Concrete
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	12/05/05	12/05/05	12/05/05	12/05/05	
Date Prepared:	12/07/05	12/07/05	12/07/05	12/07/05	
Date Analyzed:	12/15/05	12/15/05	12/15/05	12/15/05	
AA ID No:	5L06003-08	5L06003-09	5L06003-10	5L06003-11	
Client ID No:	02-CS-0.3B	10-CS-0.3B	35-CS-0.3B	41-CS-0.3B	
Dilution Factor:	5	5	5	1000	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<100	<100	<100	<20000	20
Aroclor-1221	<100	<100	<100	<20000	20
Aroclor-1232	<100	<100	<100	<20000	20
Aroclor-1242	<100	<100	<100	<20000	20
Aroclor-1248	**150**	**180**	<100	**120000**	20
Aroclor-1254	<100	<100	<100	<20000	20
Aroclor-1260	<100	<100	<100	<20000	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	89.0%	94.0%	50.0%	0.00 [1]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Concrete
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	12/05/05	12/05/05	12/05/05	12/05/05	
Date Prepared:	12/07/05	12/07/05	12/07/05	12/07/05	
Date Analyzed:	12/15/05	12/15/05	12/15/05	12/15/05	
AA ID No:	5L06003-12	5L06003-13	5L06003-14	5L06003-16	
Client ID No:	74-CS-0.3B	21-CS-0.3	73-CS-0.3B	05-CS-0.3	
Dilution Factor:	5	10	10	100	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<100	<200	<200	<2000	20
Aroclor-1221	<100	<200	<200	<2000	20
Aroclor-1232	<100	<200	<200	<2000	20
Aroclor-1242	<100	<200	<200	<2000	20
Aroclor-1248	**170**	**7200**	**240**	<2000	20
Aroclor-1254	<100	<200	<200	<2000	20
Aroclor-1260	<100	<200	<200	<2000	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	100%	0.00 [1]	0.00 [1]	0.00 [1]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Concrete
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	12/05/05	12/05/05	12/05/05	12/05/05	
Date Prepared:	12/07/05	12/07/05	12/07/05	12/07/05	
Date Analyzed:	12/15/05	12/15/05	12/15/05	12/15/05	
AA ID No:	5L06003-18	5L06003-20	5L06003-22	5L06003-24	
Client ID No:	36-CS-0.3	48-CS-0.3	16-CS-0.3	15A-CS-0.3	
Dilution Factor:	10	5	500	10	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<200	<100	<10000	<200	20
Aroclor-1221	<200	<100	<10000	<200	20
Aroclor-1232	<200	<100	<10000	<200	20
Aroclor-1242	<200	<100	<10000	<200	20
Aroclor-1248	<200	**100**	**11000**	**1100**	20
Aroclor-1254	<200	<100	<10000	<200	20
Aroclor-1260	<200	<100	<10000	<200	20
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	0.00 [1]	63.0%	0.00 [1]	0.00 [1]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Concrete
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	12/05/05	12/05/05	
Date Prepared:	12/07/05	12/07/05	
Date Analyzed:	12/15/05	12/19/05	
AA ID No:	5L06003-26	5L06003-28	
Client ID No:	26-CS-0.3	27-CS-0.3	
Dilution Factor:	50	10	MRL
8082 PCBs (EPA 8082)			
Aroclor-1016	<1000	<200	20
Aroclor-1221	<1000	<200	20
Aroclor-1232	<1000	<200	20
Aroclor-1242	<1000	<200	20
Aroclor-1248	**1300**	<200	20
Aroclor-1254	<1000	<200	20
Aroclor-1260	<1000	<200	20
Surrogates			**%REC Limits**
Tetrachloro-meta-xylene	0.00 [1]	0.00 [1]	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon
Sample Matrix: Soil
Method: Extractable Semivolatile Organic Compounds by GC

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05
Units: ug/kg

Date Sampled:	12/05/05	12/05/05	
Date Prepared:	12/07/05	12/19/05	
Date Analyzed:	12/15/05	12/22/05	
AA ID No:	5L06003-02	5L06003-03	
Client ID No:	73-SS-2.6	73-SS-6.4	
Dilution Factor:	10000	5	MRL
8082 PCBs (EPA 8082)			
Aroclor-1016	<200000	<100	20
Aroclor-1221	<200000	<100	20
Aroclor-1232	<200000	<100	20
Aroclor-1242	<200000	<100	20
Aroclor-1248	**960000**	<100	20
Aroclor-1254	<200000	<100	20
Aroclor-1260	<200000	<100	20
Surrogates			**%REC Limits**
Tetrachloro-meta-xylene	0.00 [1]	50.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563023
Project No:	10627.000.0	**Date Received:**	12/05/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/05/05
Dilution:	1	**Prepared:**	12/05/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/05/05

Ambient Air

5L06003-32 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	1.0	<0.31	ppmv	0.31
2-Butanone (MEK)	<10	ug/L	10	<3.39	ppmv	3.39
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
Ethylbenzene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
Isopropanol	<10	ug/L	10	<4.07	ppmv	4.07
Methylene Chloride	<5.0	ug/L	5.0	<1.44	ppmv	1.44
Stoddard Solvent	<100	ug/L	100	<19.06	ppmv	19.06
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Toluene	<1.0	ug/L	1.0	<0.27	ppmv	0.27
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563023
Project No:	10627.000.0	**Date Received:**	12/05/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/05/05
Dilution:	1	**Prepared:**	12/05/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/05/05

Ambient Air

5L06003-32 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	104 %	80-120
Dibromofluoromethane	100 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563023
Project No:	10627.000.0	**Date Received:**	12/05/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/05/05
Dilution:	0.1	**Prepared:**	12/05/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/05/05

61-SV-5.0

5L06003-33 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563023
Project No:	10627.000.0	**Date Received:**	12/05/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/05/05
Dilution:	0.1	**Prepared:**	12/05/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/05/05

61-SV-5.0

5L06003-33 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	**0.48**	ug/L	0.10	**0.11**	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	104 %	80-120
Dibromofluoromethane	102 %	80-120
Toluene-d8	108 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563023
Project No:	10627.000.0	**Date Received:**	12/05/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/05/05
Dilution:	0.1	**Prepared:**	12/05/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/05/05

61-SV-15.0

5L06003-34 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563023
Project No:	10627.000.0	**Date Received:**	12/05/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/05/05
Dilution:	0.1	**Prepared:**	12/05/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/05/05

61-SV-15.0

5L06003-34 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	106 %	80-120
Dibromofluoromethane	102 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563023
Project No:	10627.000.0	**Date Received:**	12/05/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/05/05
Dilution:	0.1	**Prepared:**	12/05/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/05/05

63-SV-15.0

5L06003-35 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563023
Project No:	10627.000.0	**Date Received:**	12/05/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/05/05
Dilution:	0.1	**Prepared:**	12/05/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/05/05

63-SV-15.0

5L06003-35 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	106 %	80-120
Dibromofluoromethane	104 %	80-120
Toluene-d8	110 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563023
Project No:	10627.000.0	**Date Received:**	12/05/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/05/05
Dilution:	0.1	**Prepared:**	12/05/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/05/05

63-SV-5.0

5L06003-36 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	**0.22**	ug/L	0.10	**0.03**	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563023
Project No:	10627.000.0	**Date Received:**	12/05/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/05/05
Dilution:	0.1	**Prepared:**	12/05/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/05/05

63-SV-5.0

5L06003-36 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	104 %	80-120
Dibromofluoromethane	104 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563023
Project No:	10627.000.0	**Date Received:**	12/05/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/05/05
Dilution:	0.1	**Prepared:**	12/05/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/05/05

63-SV-5.0-Dup

5L06003-37 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
2-Butanone (MEK)	<1.0	ug/L	1.0	<0.34	ppmv	0.34
Carbon Tetrachloride	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Chloroethane	<0.10	ug/L	0.10	<0.04	ppmv	0.04
Chloroform	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Dichlorodifluoromethane (R12)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,2-Dichloroethane (EDC)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
trans-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
cis-1,2-Dichloroethylene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
Ethylbenzene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Isopropanol	<1.0	ug/L	1.0	<0.41	ppmv	0.41
Methylene Chloride	<0.50	ug/L	0.50	<0.14	ppmv	0.14
Stoddard Solvent	<10	ug/L	10	<1.91	ppmv	1.91
1,1,1,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
1,1,2,2-Tetrachloroethane	<0.10	ug/L	0.10	<0.01	ppmv	0.01
Tetrachloroethylene (PCE)	**0.40**	ug/L	0.10	**0.06**	ppmv	0.01
Toluene	<0.10	ug/L	0.10	<0.03	ppmv	0.03
1,1,2-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,1-Trichloroethane	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Geomatrix Consultants	**AA Project No:**	MB563023
Project No:	10627.000.0	**Date Received:**	12/05/05
Project Name:	Vernon	**Date Reported:**	12/23/05
Matrix:	Vapor	**Sampled:**	12/05/05
Dilution:	0.1	**Prepared:**	12/05/05
Method:	Volatile Organic Compounds in Vapor by GC/MS	**Analyzed:**	12/05/05

63-SV-5.0-Dup

5L06003-37 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Trichloroethylene (TCE)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
Trichlorofluoromethane (R11)	<0.10	ug/L	0.10	<0.02	ppmv	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	ug/L	0.50	<0.07	ppmv	0.07
Vinyl chloride	<0.10	ug/L	0.10	<0.04	ppmv	0.04
o-Xylene	<0.10	ug/L	0.10	<0.02	ppmv	0.02
m,p-Xylenes	<0.10	ug/L	0.10	<0.02	ppmv	0.02

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	108 %	80-120
Dibromofluoromethane	104 %	80-120
Toluene-d8	112 %	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5L1910 - EPA 3550B										
Blank (B5L1910-BLK1)				Prepared: 12/07/05		Analyzed: 12/15/05				
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*3.36*		*ug/kg*	*5.00*		*67.2*	*50-150*			
LCS (B5L1910-BS1)				Prepared: 12/07/05		Analyzed: 12/15/05				
Aroclor-1016	**46.6**	20	ug/kg	50.0		93.2	60-140			
Aroclor-1260	**47.9**	20	ug/kg	50.0		95.8	60-140			
Surrogate: Tetrachloro-meta-xylene	*4.10*		*ug/kg*	*5.00*		*82.0*	*50-150*			
LCS Dup (B5L1910-BSD1)				Prepared: 12/07/05		Analyzed: 12/15/05				
Aroclor-1016	**44.4**	20	ug/kg	50.0		88.8	60-140	4.84	40	
Aroclor-1260	**53.2**	20	ug/kg	50.0		106	60-140	10.5	40	
Surrogate: Tetrachloro-meta-xylene	*4.09*		*ug/kg*	*5.00*		*81.8*	*50-150*			
Batch B5L2221 - EPA 3550B										
Blank (B5L2221-BLK1)				Prepared: 12/19/05		Analyzed: 12/22/05				
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*2.84*		*ug/kg*	*5.00*		*56.8*	*50-150*			
LCS (B5L2221-BS1)				Prepared: 12/19/05		Analyzed: 12/22/05				
Aroclor-1016	**35.0**	20	ug/kg	50.0		70.0	60-140			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Extractable Semivolatile Organic Compounds by GC - Quality Control										
Batch B5L2221 - EPA 3550B										
LCS (B5L2221-BS1) Continued				Prepared: 12/19/05 Analyzed: 12/22/05						
Aroclor-1260	**44.0**	20	ug/kg	50.0		88.0	60-140			
Surrogate: Tetrachloro-meta-xylene	*3.38*		*ug/kg*	*5.00*		*67.6*	*50-150*			
LCS Dup (B5L2221-BSD1)				Prepared: 12/19/05 Analyzed: 12/22/05						
Aroclor-1016	**33.5**	20	ug/kg	50.0		67.0	60-140	4.38	40	
Aroclor-1260	**41.2**	20	ug/kg	50.0		82.4	60-140	6.57	40	
Surrogate: Tetrachloro-meta-xylene	*3.30*		*ug/kg*	*5.00*		*66.0*	*50-150*			
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0715 - *** DEFAULT PREP ****										
Blank (B5L0715-BLK1)				Prepared & Analyzed: 12/05/05						
Benzene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
Dichlorodifluoromethane (R12)	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
1,2-Dichloroethane (EDC)	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Isopropanol	<10	10	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Stoddard Solvent	<100	100	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene (PCE)	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0715 - *** DEFAULT PREP ****										
Blank (B5L0715-BLK1) Continued				Prepared & Analyzed: 12/05/05						
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Trichloroethylene (TCE)	<1.0	1.0	ug/L							
Trichlorofluoromethane (R11)	<1.0	1.0	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/L							
Vinyl chloride	<1.0	1.0	ug/L							
o-Xylene	<1.0	1.0	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.0*		*ug/L*	*50.0*		*104*	*80-120*			
Surrogate: Dibromofluoromethane	*49.7*		*ug/L*	*50.0*		*99.4*	*80-120*			
Surrogate: Toluene-d8	*55.0*		*ug/L*	*50.0*		*110*	*80-120*			
LCS (B5L0715-BS1)				Prepared & Analyzed: 12/05/05						
Carbon Tetrachloride	**15.3**	1.0	ug/L	10.0		153	75-125			
Chloroethane	**13.0**	1.0	ug/L	10.0		130	75-125			
Chloroform	**11.2**	1.0	ug/L	10.0		112	75-125			
1,1-Dichloroethane	**13.4**	1.0	ug/L	10.0		134	75-125			
1,2-Dichloroethane (EDC)	**12.4**	1.0	ug/L	10.0		124	75-125			
1,1-Dichloroethylene	**10.2**	1.0	ug/L	10.0		102	75-125			
trans-1,2-Dichloroethylene	**11.0**	1.0	ug/L	10.0		110	75-125			
cis-1,2-Dichloroethylene	**10.7**	1.0	ug/L	10.0		107	75-125			
Ethylbenzene	**10.5**	1.0	ug/L	10.0		105	75-125			
Isopropanol	**31.5**	10	ug/L	250		12.6	0-200			
Methylene Chloride	**6.60**	5.0	ug/L	10.0		66.0	75-125			
Stoddard Solvent	**433**	100	ug/L	250		173	75-125			
1,1,2,2-Tetrachloroethane	**11.7**	1.0	ug/L	10.0		117	75-125			
Tetrachloroethylene (PCE)	**7.60**	1.0	ug/L	10.0		76.0	75-125			
Toluene	**10.2**	1.0	ug/L	10.0		102	75-125			
1,1,2-Trichloroethane	**10.1**	1.0	ug/L	10.0		101	75-125			
1,1,1-Trichloroethane	**13.0**	1.0	ug/L	10.0		130	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0715 - *** DEFAULT PREP ****										
LCS (B5L0715-BS1) Continued				Prepared & Analyzed: 12/05/05						
Trichloroethylene (TCE)	**11.0**	1.0	ug/L	10.0		110	75-125			
Vinyl chloride	**12.6**	1.0	ug/L	10.0		126	75-125			
o-Xylene	**9.90**	1.0	ug/L	10.0		99.0	75-125			
Surrogate: 4-Bromofluorobenzene	*51.7*		*ug/L*	*50.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*55.4*		*ug/L*	*50.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*52.6*		*ug/L*	*50.0*		*105*	*80-120*			
Duplicate (B5L0715-DUP1)		**Source: 5L06003-36**		Prepared & Analyzed: 12/05/05						
Benzene	<0.10	0.10	ug/L		<0.10				30	
2-Butanone (MEK)	<1.0	1.0	ug/L		<1.0				30	
Carbon Tetrachloride	<0.10	0.10	ug/L		<0.10				30	
Chloroethane	<0.10	0.10	ug/L		<0.10				30	
Chloroform	<0.10	0.10	ug/L		<0.10				30	
Dichlorodifluoromethane (R12)	<0.10	0.10	ug/L		<0.10				30	
1,1-Dichloroethane	<0.10	0.10	ug/L		<0.10				30	
1,2-Dichloroethane (EDC)	<0.10	0.10	ug/L		<0.10				30	
1,1-Dichloroethylene	<0.10	0.10	ug/L		<0.10				30	
trans-1,2-Dichloroethylene	<0.10	0.10	ug/L		<0.10				30	
cis-1,2-Dichloroethylene	<0.10	0.10	ug/L		<0.10				30	
Ethylbenzene	<0.10	0.10	ug/L		<0.10				30	
Isopropanol	<1.0	1.0	ug/L		<1.0				30	
Methylene Chloride	<0.50	0.50	ug/L		<0.50				30	
Stoddard Solvent	<10	10	ug/L		<10				30	
1,1,1,2-Tetrachloroethane	<0.10	0.10	ug/L		<0.10				30	
1,1,2,2-Tetrachloroethane	<0.10	0.10	ug/L		<0.10				30	
Tetrachloroethylene (PCE)	**0.397**	0.10	ug/L		0.22			57.4	30	
Toluene	<0.10	0.10	ug/L		<0.10				30	
1,1,2-Trichloroethane	<0.10	0.10	ug/L		<0.10				30	
1,1,1-Trichloroethane	<0.10	0.10	ug/L		<0.10				30	
Trichloroethylene (TCE)	<0.10	0.10	ug/L		<0.10				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds in Vapor by GC/MS - Quality Control										
*Batch B5L0715 - *** DEFAULT PREP ****										
Duplicate (B5L0715-DUP1) Continued			**Source: 5L06003-36**	Prepared & Analyzed: 12/05/05						
Trichlorofluoromethane (R11)	<0.10	0.10	ug/L		<0.10				30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L		<0.50				200	
Vinyl chloride	<0.10	0.10	ug/L		<0.10				30	
o-Xylene	<0.10	0.10	ug/L		<0.10				30	
m,p-Xylenes	<0.10	0.10	ug/L		<0.10				30	
Surrogate: 4-Bromofluorobenzene	*54.0*		*ug/L*	*50.0*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*52.0*		*ug/L*	*50.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*56.0*		*ug/L*	*50.0*		*112*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Geomatrix Consultants
Project No: 10627.000.0
Project Name: Vernon

AA Project No: MB563023
Date Received: 12/05/05
Date Reported: 12/23/05

Special Notes

[1] = S-01 : The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

Viorel Vasile
Operations Manager

MB563023/SL06003

Chain-of-Custody Record

12761

Date: 12/05/05

Project No.: 101627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCBs (8082)	TPH Carbon Chains 8015 B Modified								Acidified	No. of containers
12/05/05	–	Temp-120505-01	W																SEC		–	1
	–	TB-120505-01	W														5L06003			-01	2	2
	945	73-SS-2.6	S									X	H							-02	–	1
	1000	73-SS-6.4	S									(X)	H							-03	–	1
	1415	73-CS-0.3	S									X								-04	–	2
	1455	17-CS-0.3B	S									X								-05		2
	1505	18-CS-0.3B	S									X								-06		2
	1515	19-CS-0.3B	S									X								-07		2
	1520	02-CS-0.3B	S									X								-08		2
	1530	10-CS-0.3B	S									X								-09		2
	1535	35-CS-0.3B	S									X								-10		2
	1540	~~#~~ 41-CS-0.3B	S									X								-11		2
	1545	74-CS-0.3B	S									X								-12		2
	1550	21-CS-0.3	S								TM	~~H~~	← See Note							~~-13~~		3
	1555	73-CS-0.3B	S									X								-14		3

Total No. of containers: 29

Turnaround Time: 5-day TAT for TPH, standard TAT for others

Results To: Linda Conlan / Paula DeLong

REMARKS

Additional Comments

Notes to Lab:

For soil samples in acetate sleeves, use soil from "BLACK" cap end of sleeve

H: Hold, do not analyze

RUN MS/MSD

CS: concrete sample

* Mix ~~both~~ all jars of concrete sample prior to crushing and running analysis

← Analyze for PCB's

(X): Added on 12/21/05, KC

P. DeLong: Sample was extracted on 12/19/05

Relinquished by (signature):	Date:	Relinquished by (signature):	Date:	Relinquished by (signature):	Date:
Thet Naing	12/05/05	Keith W. Zolezzi	12/5/05		
Printed Name: Thet Naing	Time: 1705	Printed Name: Keith Zolezzi	Time: 1903	Printed Name:	Time:
Company: Geomatrix		Company: American Analytics		Company:	
Received (signature): Keith W. Zolezzi	Date: 12/05/05	Received (signature):	Date: 12/5/	Received (signature):	Date:
Printed Name: Keith Zolezzi	Time: 1705	Printed Name: Ludmila Glazenber	Time: 19:03	Printed Name:	Time:
Company: American Analytics		Company:		Company:	

Method of shipment: Lab Courier (Driller)

Laboratory comments and Log No.: approved as work order 12/06/05 1200 V. Valle

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MB 563023 / SL06003

Chain-of-Custody Record

12814

Date: 12/5/05

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260	EPA 8021	Title 22 Metals	Hold	PCBs (8082)								Acidified	No. of containers
12/05/05	1600	21-CS-0.3B	S									H						-15		-	3
	1610	05-CS-0.3	S									X						-16		-	2
	1615	05-CS-0.3B	S									H						-17		-	2
	1616	36-CS-0.3	S									X						-18		-	3
	1620	36-CS-0.3B	S									H						-19		-	3
	1623	48-CS-0.3	S									X						-20		-	2
	1625	48-CS-0.3B	S									H						-21		-	2
	1627	16-CS-0.3	S									X						-22		-	3
	1630	16-CS-0.3B	S									H						-23		-	3
	1635	15A-CS-0.3	S									X						-24		-	2
	1640	15A-CS-0.3B	S									H						-25		-	2
	1642	26-CS-0.3	S									X						-26		-	3
	1645	26-CS-0.3B	S									H						-27		-	3
	1647	27-CS-0.3	S									X						-28		-	3
	1650	27-CS-0.3B	S									H						-29		-	3

Turnaround Time: Standard TAT

Results To: Linda Conlan / Paula Delong

Total No. of containers: 39

REMARKS

Additional Comments

Notes to lab

H: Hold, do not analyze

CS: Concrete sample.

* Mix jars of each sample prior to crushing and running analysis

Relinquished by (signature):	Date: 12/05/05	Relinquished by (signature):	Date: 12/05/05	Relinquished by (signature):	Date:
Printed Name: Thet Naing	Time: 1705	Printed Name: Keith Zolezzi	Time: 1903	Printed Name:	Time:
Company: Geomatrix		Company: American Analytics		Company:	
Received (signature):	Date: 12/05/05	Received (signature): Yiorel Varela	Date: 12/5/05	Received (signature):	Date:
Printed Name: Keith Zolezzi	Time: 1705	Printed Name:	Time: 1903	Printed Name:	Time:
Company: American Analytics		Company: American Analytics		Company:	

Method of shipment: lab courier (Driver)

Laboratory comments and Log No.: approved as work order 12/06/05 1200 V. Varela

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MB563023/SL06003

Chain-of-Custody Record

12760

Date: 12/05/05

Page 1 of 1

Project No.: 10627.000.0

Samplers (Signatures): Thet Naing

Date	Time	Sample Number	Soil (S), Water (W), Vapor (V), or Other	EPA Method 8270	TPHg by 8015	TPHd by 8015	TPH:	EPA 8260 VOCs	EPA 8021	Title 22 Metals	Hold	PCBs (8082)	TPH Carbon Chain (8015B modified)							Acidified	No. of containers
12/05/05	—	Temp-120505-02	W															30°C		—	1
⊗ ↓	—	TB-120505-02	W					H									—	30		2	2
⊗	1145	EB-120505-01	W				HOLD				→	H	H				—	31		—	2

ANALYSES

REMARKS

Additional Comments

Notes to Lab:

H: Hold, do not analyse

Turnaround Time: Standard TAT

Results To: Linda Conlan / Paula Delong

Total No. of containers: 5

Relinquished by (signature):	Date: 12/05/05	Relinquished by (signature):	Date: 12/05/05	Relinquished by (signature):	Date:
Printed Name: Thet Naing	Time: 1705	Printed Name: Keita Zolezzi	Time: 1705	Printed Name:	Time:
Company: Geomatrix		Company: American Analytics		Company:	
Received (signature):	Date: 12/05/05	Received (signature):	Date: 12/6/05	Received (signature):	Date:
Printed Name: Keita Zolezzi	Time: 1705	Printed Name: Yloder Vallve	Time: 1905	Printed Name:	Time:
Company: American Analytics		Company: American Analytics		Company:	

Method of shipment: Lab Courier (Driller)

Laboratory comments and Log No.: approved as work order 12/06/05 1200 V. Vallve

05DEC 5 19:03 06

Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California 92663
(949) 642-0245

MB 563023

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

№ 308151
DATE: 12/5/05
PAGE 1 OF 1

AA Client: Geomatrix	Phone	Sampler's Name (Print): Sam Lee	
Project Manager: Linda Coulan	P.O. No.	Sampler's Signature: [signature]	
Project Name: Vernon 10627.000.0	Client's Project No.: 10627.000.0	Project Manager's Signature	

Job Name and Address

ANALYSIS REQUIRED (Test Name): 8260B Short List; 8260B Standard

Client's I.D.	A.A. I.D.#	Date	Time	Sample Type	Number of Containers	8260B Short List	8260B Standard								Client's Comment Special Test Requirements / Comments (i.e., - Turnaround Time, Detection Limits, Data Package...)
Ambient air		12/5/05	0810	Vapor	1	X	X						-32		X: Analyzed in the mobile lab.
61-SV-5.0			0851		1	X	X						-33		
61-SV-15.0			0915		1	X	X						-34		
63-SV-15.0			0937		1	X	X						-35		
63-SV-5.0			1006		1	X	X						-36		
63-SV-5.0-Dup			1030		1	X	X						-37		

'05DEC 5 12:24 39

LAB COMMENTS

Relinquished by:	Date	Time	Received by:
[signature]	12/5/05		[signature]
Relinquished by: [signature]	Date 12/05/05	Time 12:24	Received by: [signature]
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:

Approved as Work Order by: Print Name: VLADEL VASILES Signature: [signature] Date/Time: 12/6/05 1200

AA Project No. MB 563023/5L06003

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