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ENVIRONMENTAL PARTNERS INC

Property Cleanup Report

Former Unocal Site
17230 Aurora Avenue North
Shoreline, Washington

Prepared For:

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1.0 INTRODUCTION

Environmental Partners, Inc. (EPI) is pleased to present this Property Cleanup (PC) Report for the property located at 17230 Aurora Avenue North in Shoreline, King County, Washington (subject property), which property is part of the Former Union 76 Station Site (Site). The general location of the subject property and Site is indicated on Figure 1. The purposes of this document are to:

- Summarize the results of the remedial efforts that have been conducted at the subject property by EPI and others;
- Describe the field activities conducted as part of the cleanup action;
- Review and summarize the data acquired during the cleanup action activities; and
- Qualify the subject property for a property-specific No Further Action (NFA) determination from the Washington State Department of Ecology (Ecology).

This report is intended to document the assessment and remediation of the impacts at the subject property and to meet the requirements of the Washington Model Toxics Control Act or MTCA (Chapter 70.105D RCW) and its implementing regulations (WAC 173-340).

Mr. Larry Steele initially retained EPI to investigate apparent petroleum hydrocarbon impacts observed at the subject property during an ongoing redevelopment project. Upon completion of the characterization, Mr. Steele retained EPI to plan, oversee, and document the remediation of the petroleum hydrocarbon impacts present at the subject property.

As will be discussed in additional detail below, the petroleum impacts extend beyond the eastern boundary of the subject property. As such, the MTCA-defined "Site" includes portions of the subject property and the adjacent City of Shoreline right-of-way known as Ronald Place North.

This PC report demonstrates that all petroleum impacts at the subject property have been fully remediated in accordance with MTCA and that no further remediation action is possible or necessary at the subject property. Minor petroleum impacts remain in the off-property portion of the Site within the right-of-way beyond the eastern subject property boundary. The residual impacts are at low concentrations that do not substantially exceed the selected cleanup levels. The residual impacts are located under a public right-of-way Mr. Steele did not have authority to access and do not present a risk to direct contact because of their depth and the improvements overlaying the impacts. The residual impacts have been isolated from the subject property by installation of a 40-mil HDPE geomembrane along the entire eastern sidewall of the remedial excavation and therefore do not represent a threat of recontamination to the subject property. Finally, no ground water as encountered at the subject property down to the maximum depth of exploration of 50 feet below ground surface (bgs) and ground water at the Site is deeper than at least 100 feet below grade and likely much deeper.

Through the submittal of this PC report, Mr. Steele respectfully requests that Ecology issue a written determination that no further remedial action (NFA) is necessary at the subject property.

1.1 Subject Property Description

The subject property is a 1.25-acre triangular-shaped property located at the intersection of Aurora Avenue North and Ronald Place North in Shoreline, Washington. It is designated as King Co. Parcel No. 072604-9038. The subject property boundaries had been recently surveyed by the construction contractor, SCL Enterprises LLC (SCL), prior to redevelopment of the subject property. The subject property is bounded on the west by Aurora Avenue North, on the east by Ronald Place North, and on the north by North 175th Street. Figure 1 shows a map of the general vicinity of the subject property.

The subject property is located at an elevation of approximately 475 feet above mean sea level (msl) with a gradual slope to the southeast toward Ronald Place North. The subject property was in the preliminary stages of redevelopment when petroleum-impacted soil was identified near the southern tip of the property. Upon completion of the redevelopment the entire property will be either covered with buildings or paved with asphalt and concrete surfaces.

The general soil profile at the subject property consists of very dense Glacial Till to at least 50 feet bgs. Ground water was not encountered at the subject property to a depth of 50 feet bgs in the course of the work described in this PC report. Previous ground water investigations conducted on the north-adjacent property indicated that ground water was encountered "more than 150 feet below the ground surface". A review of Ecology well logs indicates that the deepest borings for which logs exist are located east of the subject property and have extended to a depth of 100 feet below grade and did not encounter ground water. This finding is consistent with EPI's experience in the vicinity of the subject property.

1.2 Subject Property History

A *Phase I Environmental Site Assessment*, dated August 5, 2010 (Phase I ESA) had previously been performed at the subject property by Environmental Associates, Inc. According to archived tax assessor information in the Phase I ESA, two generations of gasoline service stations occupied the southern portion of the subject property. Two archived assessor record cards for the subject property list a total of eleven (11) USTs and one in-ground hoist associated with these service stations.

The first generation service station appears to have been a "76" branded station that was constructed in 1928. The 1928 station had seven underground storage tanks (USTs); one 10,000-gallon gasoline UST, one 550-gallon gasoline UST, one 5,000-gallon diesel UST, two 5,000-gallon USTs (no contents listed), and two 550-gallon USTs (no contents listed). The locations of the USTs relative to the gasoline station building were unclear but it appears that the USTs were located on the south side of the building and the fuel dispensers were located on the west side of the building facing Aurora Avenue North.

The second generation station appears to have been a Union 76 branded station that was constructed in 1953. The 1953 station had four USTs; one 6,000-gallon UST, one 5,000-gallon UST, one 3,000-gallon UST, and one 550-gallon UST. No information on the contents of the second generation USTs was contained in the tax assessor information.

The USTs on the southern part of the subject property were removed at some point in the past and no releases were noted during their removal. The timing of the UST removals is not known. During redevelopment of the subject property no evidence or indications of soil contamination were encountered in any areas of the subject property other than what is documented herein. Given the extensive redevelopment of the subject property it is reasonable to conclude that if any soil contamination were present it would likely have been encountered during redevelopment activities. It is therefore also reasonable to conclude that the historic USTs did not have releases to the environment and/or that any such releases were adequately remediated during UST removal.

The approximate locations of the two previous gasoline stations and the apparent locations of the fuel dispensers relative to soil boring locations (documented in additional detail below) are shown on Figure 2.

Apparent petroleum-contaminated soil (PCS) was encountered in the southern portion of the subject property in January 2011 during re-development activities. The PCS was observed in soils at approximately 9 feet bgs after the upper layer of soil was removed in the course of construction. EPI was retained by Mr. Steele to assess the actual presence or absence of petroleum impacts through initial sampling and analysis. This sampling and analysis confirmed the presence of petroleum compounds in soil at concentrations exceeding potentially applicable cleanup levels and redevelopment activities in this area were stopped until characterization of the nature and extent of the contamination could be completed and a remedial action plan could be developed.

1.3 Pre-Remedial Assessment

This section discusses the assessment activities conducted at the subject property. Two phases of assessment were conducted to characterize the nature and extent of the petroleum impacts and to support development of a remedial action plan. The first phase of assessment consisted of test pit excavations with sampling and laboratory analysis and the second phase of assessment consisted of hollow stem auger (HSA) drilling with sampling and laboratory analysis. These investigations and findings are discussed below.

For the purposes of screening the results of the two phases of assessment, analytical results were compared to MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses (MTCA Method A CULs). These cleanup levels were used only for screening purposes. Section 1.4 below provides a more detailed discussion of cleanup levels established for the subject property and presents the development and evaluation of site-specific cleanup levels.

1.3.1 Test Pit Assessment

Based upon site access, the equipment available, and the anticipated likely extent of impacts, test pit excavation was selected as an appropriate assessment methodology. The objective of the test pit excavations was to provide an initial assessment of the lateral and vertical extent of petroleum impacts at the subject property. Final assessment of the limits of impacts would be determined during any remedial actions.

On February 7 and 8, 2011, EPI oversaw the excavation of ten test pits (Test Pit #1 through #10) in the vicinity of the previously observed petroleum impacts and collected representative samples from those test pits for laboratory analysis. The locations of the test pits relative to historic features are indicated on Figure 2.

The test pits were excavated by SCL using a track-mounted excavator. EPI personnel directed the excavation of the test pits, starting in areas of known contamination and working outward to the apparent limits of the impacts. The test pits were excavated to total depths of about 28.5 feet below the local surface elevation, or about 19.5 feet below the bottom of the redevelopment excavation. Soils were field screened for the potential presence of petroleum hydrocarbons using a photoionization detector (PID) and representative soil samples were collected and retained for laboratory analysis.

The southeastern-most portion of the subject property exhibited apparent visual indications of petroleum impacts as well as olfactory indicators and PID readings suggested the presence of PCS. Soil in this area was visually distinct from the surrounding material with a blue-gray color and strong petroleum odor from a depth of approximately 19 feet bgs to 27 feet bgs. Below 27 feet bgs, the soil was gray with less odor.

No ground water was detected to the maximum depth of the test pits at 28.5 feet bgs.

A total of 23 soil samples were submitted for fixed base laboratory analysis from the test pit excavations. These samples were submitted for the following analyses:

- Diesel- and higher-range petroleum hydrocarbons (DRPH and HRPH) using the Northwest Total Petroleum Hydrocarbons as Diesel-Extended (NWTPH-Dx) Method,

- Gasoline-range petroleum hydrocarbons (GRPH) using the Northwest Total Petroleum Hydrocarbons as Gasoline (NWTPH-Gx) Method, and

- Aromatic fuel compounds (benzene, toluene, ethylbenzene, total xylenes; BTEX) using EPA Method 8021B.

Two additional samples exhibiting apparent elevated concentrations of petroleum hydrocarbons based on field screening were also submitted for analysis of:

- Volatile organic compounds (VOCs) using EPA Method 8260. This method is capable of identifying fuel additives that may have historically been present in fuels.

- MTCA 5 Metals (arsenic, cadmium, chromium, lead, mercury) using EPA 6000 and 7000 series Methods.

All soil samples were immediately placed in an iced cooler and transported to the analytical laboratory under standard chain of custody protocols. All soil samples were submitted to the Friedman & Bruya, Inc. (FBI) fixed base laboratory located in Seattle, Washington for expedited 24-hour hour turn-around.

Laboratory analytical results are summarized in Table 1. Laboratory analytical reports are presented in Attachment A. Relevant findings include:

- HRPH were detected in only three of 23 samples at concentrations ranging from 350 milligrams/kilogram (mg/kg) to 460 mg/kg. None of the detected concentrations exceeded the MTCA Method A CUL of 2,000 mg/kg.

- DRPH were detected in 12 of 23 samples at concentrations ranging from 78 mg/kg to 8,800 mg/kg. DRPH concentrations in two soil samples from Test Pit #1 and two soil samples from Test Pit #5 exceeded the MTCA Method A CUL of 2,000 mg/kg for DRPH.

- GRPH were detected in 13 of 23 samples at concentrations ranging from 3.3 mg/kg to 900 mg/kg. GRPH concentrations in three soil samples from Test Pit #1, one sample from Test Pit #2, three samples from Test Pit #5, and one sample from Test Pit #10 exceeded the MTCA Method A CUL of 100 mg/kg, when benzene is not present or the total of toluene, ethylbenzene, and total xylenes is less than 1 percent of the GRPH mixture. No benzene was detected during the test pit assessment.

- Benzene was not detected in any of the 23 samples submitted for analysis during the test pit assessment at a concentration greater than the detection limit of the method used.

- Toluene was detected in only two of 23 samples at concentrations of 0.025 mg/kg and 0.12 mg/kg. Neither of these concentrations exceeded the MTCA Method A CUL of 7 mg/kg.

- Ethylbenzene was detected in nine of 23 samples at concentrations ranging from 0.16 mg/kg to 3.9 mg/kg. None of the detected concentrations exceeded the MTCA Method A CUL of 6 mg/kg.

- Total xylenes were detected in eight of 23 samples at concentrations ranging from 0.22 mg/kg to 2.3 mg/kg. None of the detected concentrations exceeded the MTCA Method A CUL of 9 mg/kg.

- Detected VOCs included isopropyl benzene, n-propyl benzene, tert-butyl benzene, sec butyl benzene, p-isopropyl toluene and total naphthalenes. Each of these compounds is regulated by MTCA as components of GRPH. Of these compounds, only naphthalenes have a compound specific cleanup level under MTCA. Total naphthalenes were detected in the two samples submitted for VOC analysis at concentrations of 0.41 mg/kg and 5.4 mg/kg. The total naphthalenes concentration in the sample from Test Pit #1 exceeded the MTCA Method A CUL of 5 mg/kg.

- Metals are naturally occurring in the environment and as a component of the soil matrix. Arsenic, chromium, and lead were detected in the samples submitted for MTCA 5 Metals analysis but none of the detected concentrations exceeded a MTCA Method A CUL. The observed concentrations were within ranges that are generally considered to be background concentrations within western Washington.

The results of the DRPH and GRPH analysis associated with the test pit assessment are indicated on Figure 2. The test pit assessment was able to identify the northern and western limits of PCS impacts but was not able to identify the southernmost or easternmost limits of impacts. The eastern extent of test pitting was limited by the property boundary and the southernmost extent of test pitting was limited by access to the excavator. Based upon these data the lateral extent of DRPH and GRPH impacts at concentrations exceeding a MTCA Method A CUL appeared likely to extend beyond the eastern boundary of the subject property in the area of Test Pit #1 and #5.

The test pitting was not able to characterize the maximum vertical extent of GRPH impacts. The deepest samples collected from Test Pit #1, #2, #5, and #10 continued to exceed the MTCA Method A CUL of 100 mg/kg.
Based upon the data collected during the test pit assessment it was determined that additional investigation was necessary to assess the maximum vertical extent of impacts at the subject property.

1.3.2 Soil Boring Assessment

Based upon the soil types at the subject property and the apparent vertical extent of PCS impacts, hollow-stem auger (HSA) drilling and sampling techniques were selected as the appropriate methodology for further assessment. The primary objective of this further assessment was to characterize the maximum vertical extent of PCS impacts and, if encountered, to assess ground water quality.

On February 15 and 16, 2011, EPI directed the drilling and sampling of four soil borings (B-1 through B-4) near and along the eastern boundary of the subject property. Drilling and sampling were performed using a full-sized HSA drill rig and split-spoon sampling techniques. Borings B-1, B-2 and B-4 extended to 30 feet bgs and boring B-3 extended to 50 feet bgs. The location of the four soil borings is shown on Figure 3.

During drilling, soil samples were collected at five-foot vertical intervals for the purposes of field screening and descriptive logging of the conditions encountered. Soil samples were selected for laboratory analysis on the basis of field screening results and to be representative of the subsurface conditions encountered.

Soil conditions at the subject property consist of a Silty Sand with varying percentages of clay and gravel, generally consistent with the Glacial Till typically encountered in the area of the subject property. Neither ground water nor intermittent moist soil horizons were encountered during drilling or test pit assessment. Soil boring logs are presented in Attachment B.

A total of 20 soil samples were submitted for fixed-base laboratory analysis. These samples were each submitted for analysis of:

- DRPH and HRPH using the NWTPH-Dx Method,
- GRPH using the NWTPH-Gx Method, and

- BTEX using EPA Method 8021B.

Samples to be submitted for GRPH and BTEX analysis were collected using EPA Method 5035.

Laboratory analytical results are results are summarized in Table 2.

Based upon these initial laboratory results, six soil samples with elevated GRPH results were submitted for analysis of Volatile Petroleum Hydrocarbons (VPH) and aromatic hydrocarbons. These samples were the 10-, 15-, and 20-foot samples from boring B-1 and the 15-, 20-, and 25-foot samples from boring B-4. In addition, three soil samples with elevated DRPH results were submitted for analysis of Extractable Petroleum Hydrocarbons (EPH). These samples were the 10- and 15-foot samples from boring B-1 and the 15-foot sample from boring B-4. These samples were collected in support of developing MTCA Method B Soil Cleanup Levels. Analytical results for VPH and EPH results are summarized in Tables 3 and 4, respectively.

All laboratory analytical reports for data collected during soil boring sampling are presented in Attachment C.

The analysis found that:

- HRPH were not detected in any of the 20 samples submitted for analysis.

- DRPH were detected in seven of 20 samples at concentrations ranging from 61 mg/kg to 2,700 mg/kg. DRPH were detected at concentrations exceeding the MTCA Method A CUL of 2,000 mg/kg in the 10- and 15-foot samples at B-1 and the 15-foot sample at B-4.

- GRPH were detected in 12 of 20 samples at concentrations ranging from 2.9 mg/kg to 770 mg/kg. GRPH were detected at concentrations exceeding the MTCA Method A CUL of 30 mg/kg, which applies when benzene is present, in the 10-, 15- and 20-foot samples at B-1, the 14-foot sample at B-2, the 40- and 45-foot samples at B-3 and the 15-, 20-, and 25-foot samples at B-4. As further noted below, benzene was detected in two of the 20 samples.

  The sample results from boring B-3 are likely to be anomalous. This boring was in an area between Test Pit #1 and #5 which was previously found to have significant contamination at depths shallower than 20 feet. Sampling was started at B-3 at 20 feet bgs and continued down to 50 feet bgs. No detectable GRPH or BTEX (see below) were observed in the 20-, 25-, 30-, or 35-foot samples. Relatively low and consistent concentrations of GRPH (*i.e.*, 79 mg/kg and 72 mg/kg) and BTEX were then observed at 40 and 45 feet with no detectable concentrations at 50 feet. No other borings had any detectable GRPH or BTEX at depths greater than 25 feet and concentrations exhibited a declining trend with depth. It is EPI's opinion that the observed impacts at B-3 are the result of sloughing within the borehole during sampling or drag-down soils plugged inside the auger stem at the time of sampling. There is no other mechanism that explains the uncontaminated soils in this boring between 20 and 35 feet, low concentrations for two sample intervals, and then a return to uncontaminated soils. These impacts are 20 feet deeper than any other impacts observed at the subject property.

- Benzene was detected in two of 20 samples at concentrations of 0.03 mg/kg and 0.04 mg/kg. Only the benzene concentration from 25 feet bgs in boring B-4 exceeded the MTCA Method A CUL of 0.03 mg/kg.

- Toluene was not detected in any of the 20 samples submitted for analysis.

- Ethylbenzene was detected in nine of 20 samples at concentrations ranging from 0.034 mg/kg to 1.9 mg/kg. None of the detected concentrations exceeded the MTCA Method A CUL of 6 mg/kg.

- Total xylenes were detected in seven of 20 samples at concentrations ranging from 0.27 mg/kg to 3.0 mg/kg. None of the detected concentrations exceeded the MTCA Method A CUL of 9 mg/kg.

- VPH and aromatic hydrocarbon results are summarized in Table 3. The samples were generally depleted in aliphatic hydrocarbons, particularly at equivalent carbon ranges below C10 to C12. Aromatic hydrocarbons were somewhat more abundant in the samples, but remained generally depleted in the lower equivalent carbon ranges. Benzene was detected in only one sample at the relatively shallow depth of 15 feet. Toluene, ethylbenzenes and xylene isomers were also detected as was naphthalene. Hexane was not detected in any of the samples submitted for this analysis.

- EPH results are summarized in Table 4. As with the VPH analytical results, the EPH data indicate the samples are generally depleted in the lower equivalent carbon range compounds in both the aliphatic and aromatic classes of hydrocarbons. The C12 to C21 equivalent carbon ranges generally have the highest concentrations with the lowest concentration in the C8 to C12 ranges.

Both the VPH and EPH data are discussed further in Section 1.4.

1.4 Contaminants of Concern and Cleanup Levels

During assessment activities, EPI collected soil samples throughout the area of observed impacts with the objectives of characterizing the lateral and vertical extent of contaminants of concern (COCs) at the subject property. The analytical results for the test pit and boring assessment samples are summarized in Tables 1 and 2. Selected samples with the highest concentrations of GRPH and DRPH were submitted for analysis of VPH and EPH in order to provide the data necessary to calculate site-specific MTCA Method B Soil Cleanup Levels.

Soil sample analytical data indicate that the COCs for the Site are:

- DRPH,

- GRPH, and

- Benzene.

Each of these compounds was detected at concentrations exceeding a MTCA Method A CUL. Naphthalene was also detected at a concentration slightly above a MTCA Method A CUL. Naphthalene must also be tested in soil when it is detected in ground water. Ground water was not encountered at the subject property.

As noted above, selected soil samples with the highest concentrations of GRPH and DRPH were submitted for analysis of VPH and EPH. Those data are summarized in Tables 3 and 4.

The VPH and EPH data were evaluated using the MTCATPH11.1.xls tool provided on the Ecology website. This evaluation resulted in a site-specific MTCA Method B CUL for DRPH of 2,400 mg/kg. The MTCA Method B CUL calculation for the DRPH cleanup level is presented in Attachment D.

Based upon the VPH data, the MTCA Method A CULs were selected for GRPH and benzene. Given the presence of benzene in a limited number of samples, including the aromatic hydrocarbon analysis during the VPH analysis, the selected GRPH cleanup level was 30 mg/kg with a benzene cleanup level of 0.03 mg/kg.

Based on the above analysis, the cleanup levels selected for the COCs at the Site are as follow:

COC	Cleanup Level	Basis
DRPH	2,400 mg/kg	MTCA Method B
GRPH	30 mg/kg	MTCA Method A
Benzene	0.030 mg/kg	MTCA Method A

Per Table 830-1 (WAC 173-340-900), footnote 14, when using MTCA Method A CULs, testing for naphthalene is not required. Under MTCA Method B CULs, testing is only required when an inhalation pathway is evaluated or when ground water is impacted with naphthalenes. No such inhalation pathway exists and ground water was not encountered at the subject property. Here, the use of MTCA Method A CULs for GRPH and benzene precludes the need for a cleanup level for naphthalenes and the absence of an inhalation exposure pathway and a lack of ground water allow the use of a Method B CUL for DRPH without a specific soil CUL for naphthalenes.

1.5 Pre-Remedial Assessment Conclusions

Based upon the investigative and assessment activities performed at the subject property, EPI developed the following conclusions:

- The PCS impacts in the southern portion of the subject property consisted of DRPH and GRPH with only very minor concentrations of benzene. Only one sample-contained benzene at a concentration exceeding a MTCA Method A CUL and that concentration, 0.04 mg/kg, only slightly exceeded the MTCA Method A CUL of 0.03 mg/kg.

- The lateral extent of impacts was well characterized to the north and west. Based upon concentrations trends and distributions, impacts to the south of Test Pit #1 and #2 and boring B-1 were determined to be relatively limited in extent. Impacts to the east appeared to extend beyond the eastern boundary of the subject property into the right-of-way for Ronald Place North. Based on the concentration trends and the distribution of impacts in this area, it was determined that the off-property impacts to the east are limited.

- Under MTCA, the Site consists of all areas where the COCs have come to be located. Based on the data collected during assessment activities and the interpretation of that data, it was determined the Site consists of the southern portion of the subject property and a limited area beyond the eastern boundary of the subject property, within the right-of-way of Ronald Place North. A depiction of the Site is included in Figure 3.

- The maximum depth of impacts was likely limited to less than 30 feet. This was indicated both by the results of the test pit assessment and the samples collected during HSA drilling. As noted above, the soil sample results for boring B-3 are inconsistent with any other findings at the subject property and are likely to be anomalous. This boring was in an area between Test Pit #1 and #5, which was previously found to have significant contamination at depths shallower than 20 feet but no deeper than 30 feet. Sampling was started at B-3 at 20 feet bgs and continued down to 50 feet bgs. No detectable GRPH or BTEX were observed in the 20-, 25-, 30-, or 35-foot samples at B-3. The relatively low and consistent concentrations of GRPH (*i.e.*, 79 mg/kg and 72 mg/kg) and BTEX that were then observed at 40 and 45 feet were not detectable at 50 feet. No other borings had any detectable GRPH or BTEX at depths greater than 25 feet and concentrations exhibited a declining trend with depth. It is EPI's opinion that the observed impacts at B-3 are the result of sloughing within the borehole during sampling or drag-down soils plugged inside the auger stem at the time of sampling. There is no other mechanism that explains the uncontaminated soils in this boring between 20 and 35 feet, low concentrations for two sample intervals, and then a return to uncontaminated soils. These impacts are 20 feet deeper than any other impacts observed at the subject property.

- Neither ground water nor intermittently moist or saturated conditions are present at the subject property down to a depth of greater than 100 feet below grade and likely much deeper. Well construction logs maintained by Ecology indicate that borings drilled adjacent to the property to the east were completed to 100 feet without encountering ground water and a report for the north adjoining property indicated that ground water was likely not present to a depth of at least 150 feet below grade. These findings are consistent with EPI's experience in the area of the subject property and indicate that it is highly unlikely that past releases at the Site have impacted, or have a realistic potential to impact, ground water at the Site..

- The COCs at the Site are DRPH, GRPH, and benzene.

- The appropriate cleanup level for DRPH is a Site-specific MTCA Method B CUL of 2,400 mg/kg. The appropriate cleanup levels for GRPH and benzene are the MTCA Method A CULs of 30 mg/kg and 0.030 mg/kg, respectively.

2.0 REMEDIAL ACTIONS

2.1 Evaluation of Remedial Alternatives

While not required for remedial actions involving complete removal of all contaminants, the following section nonetheless presents an evaluation performed in accordance with WAC 173-340-350(8) in order to identify and assess potential cleanup alternatives for subject property. Under WAC 173-340-360(2)(a), cleanup alternatives must satisfy the following threshold criteria:

- Protect human health and the environment.
- Comply with cleanup standards.
- Comply with applicable state and federal laws.
- Provide for compliance monitoring.

In addition, under WAC 173-340-360(2)(b), cleanup alternatives should:

- Use permanent solutions to the maximum extent practicable.
- Provide for a reasonable restoration timeframe.
- Consider public concerns.

Several cleanup alternatives were considered for the subject property: natural attenuation and institutional and engineering controls (Alternative 1); enhanced bioremediation (Alternative 2); and excavation, extraction, and removal (Alternative 3).

2.1.1 Alternative 1

Natural attenuation relies on natural processes to break down contamination in soil. Although natural attenuation may achieve cleanup standards over time, the restoration time frame is long, particularly in dense soils and when ground water is not present, which are the conditions at the Site. In addition, under MTCA, institutional controls would be required until contaminant concentrations are reduced below cleanup levels. Engineering controls such as maintenance of a cap to prevent surface water infiltration and direct contact with the contamination would also be required.

2.1.2 Alternative 2

Enhanced bioremediation involves the addition of fluids, nutrients, or bacteria into soil in order to expedite a reduction in contaminant concentrations. Assuming enhanced bioremediation can be effective at reducing contaminant concentrations; the restoration timeframe would be shorter than for monitored natural attenuation, but would still be substantial. The subsurface conditions at the Site would limit the efficacy of enhanced bioremediation due to the dense nature of the soils and the challenges involved with uniformly distributing the treatment media and targeting those media to the contaminated soils. This would likely result in limited effectiveness and an unreasonably long restoration timeframe. There are also challenges associated with future compliance monitoring to demonstrate the effectiveness of the remedial approach.

2.1.3 Alternative 3

Excavation and removal consist of the physical removal of contaminated media with off-site disposal and/or treatment at an appropriate facility. Because excavation involves the immediate removal of contaminated media, it has a shorter restoration timeframe than monitored natural attenuation or enhanced bioremediation.

2.1.4 Evaluation of Alternatives and Selection of Alternative 3

All three alternatives meet the threshold requirements set forth in WAC 173-340-360(2). By preventing contact with contaminated soil and ground water either through capping, treatment, or removal, these alternatives are protective of human health and the environment and comply with MTCA cleanup standards and applicable state and federal laws.

Alternative 3 ranks higher than Alternatives 1 and 2 when considering the criteria set forth in WAC 173-340-360(2)(b). Alternatives 1, 2 and 3 all use permanent solutions, but Alternative 3 has a significantly shorter restoration timeframe and a higher certainty of success than Alternatives 1 and 2. Alternative 3 also presents the most readily practicable and cost-effective approach for addressing the impacts at the subject property. The success of Alternative 3 is also readily demonstrable whereas evaluating the success of Alternatives 1 and 2 is less certain. Accordingly, Alternative 3 was selected as the cleanup alternative for the subject property. A discussion of the implementation of Alternative 3 is presented below in Section 2.3.

2.2 Remedial Action Objectives

The assessment activities have sufficiently characterized the nature and extent of the COCs at the Site and provided sufficient data to establish cleanup levels for the COCs in accordance with MTCA. The information collected during the assessment activities also allowed EPI to evaluate feasible and practical remedial alternatives and develop objectives for the remedial action to be performed at the subject property.

The remedial action objectives established for the subject property were as follows:

- Excavate soils containing COCs and attain the calculated Method B CUL for DRPH (2,400 mg/kg), and the Method A CULs for GRPH (30 mg/kg) and benzene (0.03 mg/kg) at the terminal limits of the excavation.
- Coordinate with the excavation contractor for appropriate off-site transport and disposal of soil containing COCs.
- Collection of compliance samples during excavation and at the terminal limits of the excavation to document the performance of the remedial action.
- If cleanup levels cannot be attained at the terminal limits of the excavation, document through sampling and analysis the location and severity of any remaining impacts.

- If cleanup levels cannot be attained at the terminal limits of the excavation, place an engineering control, such as a high-density polyethylene (HDPE) geomembrane to prevent potential recontamination of the area of the subject property where cleanup levels had been attained and to physically isolate, to the extent practicable, any residual COCs.

- If additional USTs are encountered, decommission those USTs in a manner consistent with applicable regulations.

- Document the remedial activities and prepare this Interim Action Report consistent with the requirements of MTCA.

2.3 Remedial Action Implementation

Direct excavation of soil containing COCs and off-site disposal of such soil was selected as the preferred remedial alternative for the subject property. This method was highly effective, readily practicable and demonstrable, fully protective of human health and the environment, and had a reasonable restoration timeframe. Excavation with off-site disposal passed the threshold criteria required by MTCA [WAC 173-340-360(2)].

The primary objective of the remedial action was to attain the selected cleanup levels for the COCs throughout soil at the subject property. If this objective could not be attained in the course of excavation due to access limitations or the COCs extended beyond the boundary of the subject property, then any remaining impacts above cleanup levels would be documented and an engineering control would be put into place to prevent recontamination of the areas where cleanup levels had been attained.

Based on the assessment activities, the area of COCs at the subject property in excess of cleanup levels was initially determined to be approximately 70 feet long and 12 feet wide to an average depth of 22 feet from the base of the construction excavation or 28 feet below surface grade. The total excavation volume was initially estimated to be 780 cubic yards. The originally estimated extent of the COC impacts and the area planned for excavation is shown in Figure 3.

Remedial excavation and site restoration activities were conducted between May 17 and 20, 2011. Excavation was performed using a track-mounted excavator operated by SCL Enterprises LLC. The limits of the excavation were guided by the results of field screening and laboratory analysis of samples collected from the excavation sidewalls and bottom as the excavation progressed. EPI provided full-time oversight and direction to the excavation contractor and performed appropriate confirmation sampling.

Because the area of the subject property affected by the COCs had already been excavated to a depth of 9 feet bgs during redevelopment activities before the COCs were encountered, the need to remove clean overburden soils was limited. Soil containing COCs in concentrations above the established cleanup levels were generally identified within one foot of the existing floor of the excavation. Remedial excavation was initiated in the area of Test Pit #1 and #5 and was extended outward and downward. The test pit assessment and drilling efforts indicated that the most heavily impacted soil was readily

distinguishable from the surrounding lesser impacted soil by a distinct blue-gray color and strong petroleum odor. These visual and olfactory indications of contamination were combined with PID screening and laboratory analyses to guide the remedial excavation. The final limits of excavation were determined solely through the use of laboratory analytical data and the limits of access and practicability. Laboratory analyses were provided by Libby Environmental and its on-site mobile laboratory.

A total of 605.14 tons of impacted soil was excavated from the subject property. The final limits of the remedial excavation are indicated on Figures 4 and 5. The impacted soil was transported to the Allied Waste transfer facility at 3rd and Lander Street in Seattle for disposal. Soil disposal tipping receipts are included as Attachment E.

Performance sampling confirmed that the selected cleanup levels were attained in soil throughout the subject property. Impacted soil with concentrations exceeding the selected cleanup levels remains in place in a confined portion of the eastern sidewall of the excavation. The impacted area of the sidewall is beyond the boundary of the subject property and is wholly within right-of-way of Ronald Place North. Excavation was stopped in this area because Mr. Steele did not have authorization to extend the excavation further into Ronald Place North and to limit potential undermining and endangerment of improvements located beyond the boundary of the subject property. The results of performance sampling are discussed in greater detail in Section 2.4.

Based upon the performance sampling, EPI determined that a barrier was necessary to control and mitigate the risk of potential recontamination from the residual impacts to the east beyond the subject property. A 40-mil HDPE geomembrane (i.e., trade name - PermeaTex 4080) was placed along the eastern sidewall of the excavation as indicated in blue on Figure 5. The HDPE geomembrane was provided by the vendor as a single piece with all seams solvent and heat welded prior to delivery. The HDPE geomembrane measured 75 feet wide by 35 feet deep and extended from the bottom of the excavation to the surface and along the entire eastern sidewall of the final remedial excavation. The HDPE geomembrane was placed between two layers of a woven geotextile fabric to minimize the potential for punctures during backfilling. The HDPE geomembrane and geotextile fabric were provided by Northwest Linings of Renton, Washington. A specification sheet for the HDPE geomembrane is presented in Attachment F.

No ground water was encountered in the remedial excavation to the terminal depth of 28 feet bgs.

Upon completion of the remedial excavation, the excavation pit was backfilled under the supervision of a geotechnical engineer using materials and methods consistent with those required to support the ongoing redevelopment of the subject property. The redevelopment of the subject property is currently ongoing and nearing completion.

2.4 Confirmation Sampling

Confirmation sampling was used to verify the effectiveness of the remedial excavation in attaining the selected cleanup levels for the COCs. A total of 27 confirmation samples were collected during the

remedial excavation activities. Confirmation soil samples were submitted for on-site laboratory analysis of:

- DRPH using the NWTPH-Dx Method,
- GRPH using the NWTPH-Gx Method, and
- BTEX using EPA Method 8021B.

The locations of all confirmation samples are indicated on Figure 4 and the results for those samples are shown on Figure 5. Confirmation sample analytical results are summarized in Table 5. A copy of the original laboratory report is included in Attachment G.

As noted above, confirmation sampling demonstrates attainment of the selected cleanup levels for COCs throughout the subject property. The nine samples collected along the south, west, and north sidewalls of the excavation did not contain any COCs in concentrations above the cleanup levels. The samples collected from the bottom of the excavation likewise did not contain COCs in concentrations above the cleanup levels. The bottom of the remedial excavation had three levels. The initial excavation bottom was at about 20 feet bgs. Based on performance samples collected during excavation activities, the central portion of the excavation was deepened to 26 feet bgs and the northern end of the deeper portion was subsequently deepened to 28 feet bgs. Eight samples were collected from the final bottom of the remedial excavation and none of them contained COCs above the established cleanup levels.

The elevated concentration of COCs along the eastern sidewall of the excavation does not reflect conditions at the subject property because this sidewall is beyond the boundary of the subject property. The subject property boundaries had been surveyed by the construction contractor prior to redevelopment and were well defined in advance of the remedial actions. The residual soil impacts beyond the eastern boundary of the subject property were isolated by placement of a HDPE geomembrane along the entire face of the eastern sidewall as indicated on Figure 5. The HDPE geomembrane prevents the possibility of the residual soil impacts recontaminating the subject property.

2.5 UST Decommissioning

A 560-gallon heating oil UST was encountered during excavation of Test Pit #7. The location of the heating oil UST is shown in Figures 4 and 5.

Prior to removal, Marine Vacuum Service, Inc. (MarVac) was mobilized to the subject property to pump out residual sludge from the interior of the UST. There was no liquid product in the UST at the time of decommissioning. MarVac personnel rinsed the interior of the UST and pumped the contents into a vacuum truck. Dry ice was used to evacuate any residual petroleum vapors from the interior of the UST prior to inspection and disposal.

Soil from the top and sides of the UST were removed with hand tools so the exterior of the UST could be inspected. Mr. Greg McCormick, L.G., UST Assessor No. 1052439-U7 inspected the exterior of the

UST for corrosion, holes, or weld damage. The exterior of the UST was corroded but there was no indication of fully penetrating holes. The surrounding soil showed no evidence of impacts from past releases. As with other areas of the subject property, no ground water was encountered in or near the UST excavation. The dimensions of the UST (6 feet long x 4 feet in diameter) confirmed its capacity of 560-gallons.

Four soil samples were collected from the sidewalls and base of the UST excavation and submitted to Friedman & Bruya, Inc. for analysis of DRPH and HRPH using the NWTPH-Dx Method. The sample collected from the bottom of the UST removal excavation was also submitted for GRPH using the NWTPH-Gx Method and BTEX using EPA Method 8021B.

None of the UST assessment samples contained detectable GRPH or BTEX compounds. None of the UST assessment sidewall samples contained a detectable DRPH concentration. The sample collected from beneath the UST contained DRPH at a concentration of 720 mg/kg, which is below the MTCA Method A CUL of 2,000 mg/kg. The laboratory results are summarized in Table 6 and are included as Attachment I.

The samples results indicate the former heating oil UST did not release contaminants at a concentration exceeding applicable cleanup levels. Consequently, no additional remedial action was performed in the area of the UST.

The UST was disposed of as scrap at Seattle Iron & Metals.

2.6 Off-Property Impacts

As discussed above and as illustrated on Figure 5, the remedial excavation extended about five feet beyond the boundary of the subject property to the east into the public right-of-way for Ronald Place North. Excavation was stopped in this area because Mr. Steele did not have authorization to extend the excavation farther into Ronald Place North and to limit potential undermining and endangerment of improvements located beyond the boundary of the subject property. Performance sampling at the final limits of the eastern sidewall indicates that DRPH and GRPH impacts are present off the subject property at concentrations exceeding the cleanup levels selected for the Site.

The lateral and vertical extent of the impacts beyond the subject property are likely limited. There is only one sample in this area that contains DRPH at a concentration exceeding the MTCA Method B CUL. The DRPH concentration in that sample was 3,070 mg/kg relative to the cleanup level of 2,400 mg/kg. The DRPH impacts beyond the subject property appear to be present only in a thin horizon between about 15 and 25 feet bgs based on performance samples located immediately north and south of the single sample that exceeded the cleanup level.

The GRPH impacts beyond the boundary of the subject property are more laterally extensive than the DRPH impacts, but the concentrations of the GRPH - between 36 mg/kg and 97 mg/kg - are very low. These concentrations marginally exceed the selected cleanup level of 30 mg/kg, which applies when benzene is present, but do not exceed the 100 mg/kg cleanup level, which applies when benzene is not present. It should be noted that benzene was only detected in one sample during assessment

sampling and that concentration, 0.04 mg/kg, only slightly exceeded the 0.03 mg/kg MTCA Method A CUL. The soil containing the elevated benzene was removed in the course of the remedial excavation. Based on the performance and conformational samples, benzene is no longer present at the Site. Accordingly, if the 100 mg/kg CUL is applied to the Site since benzene is no longer present, both the benzene and GRPH CULs are met throughout the Site.

The residual DRPH and GRPH impacts beyond the eastern boundary of the subject property have been isolated from the subject property by a 40-mil HDPE geomembrane, which was installed along the eastern sidewall of the remedial excavation as shown in Figure 5. The HDPE geomembrane was sandwiched between two layers of a woven geotextile to prevent punctures during backfilling. The HDPE geomembrane serves to prevent recontamination of the subject property.

3.0 CONCLUSIONS

The following conclusions are supported by the remedial actions conducted at the subject property:

- The assessment activities characterized the nature and extent of the COCs sufficiently to allow evaluation and selection of an appropriate remedial alternative.

- The COCs for the Site are DRPH, GRPH, and benzene.

- The COCs were present in an area of about 65 feet long by 25 feet wide oriented in a northeast to southwest direction along the southeastern boundary of the subject property. The maximum depth of the COCs at the subject property was about 28 feet bgs.

- Cleanup levels were established for the COCs in accordance with MTCA and Ecology guidance. A site-specific MTCA Method B CUL of 2,400 mg/kg was developed and used for DRPH. The MTCA Method A CUL for GRPH of 30 mg/kg and benzene of 0.030 mg/kg were used.

- A total of 605.14 tons of soil impacted by COCs were excavated from the subject property and transported to the Allied Waste facility in Seattle.

- Performance and confirmational sampling demonstrated the remedial action was successful in attaining the selected cleanup levels throughout the subject property.

- Limited DRPH and GRPH impacts remain at a depth interval of approximately 15 to 25 feet bgs in the eastern sidewall of the remedial excavation in a location beyond the eastern boundary of the subject property. These impacts could not be excavated because Mr. Steele did not have authorization to extend the excavation farther into Ronald Place North and to limit potential undermining and endangerment of improvements located beyond the boundary of the subject property. The residual impacts are located under a public right-of-way and do not present a risk to direct contact because of their depth and the improvements overlaying the impacts. The residual impacts have been isolated from the subject property by installation of a 40-mil HDPE

geomembrane along the entire eastern sidewall of the remedial excavation and therefore do not represent a threat of recontamination to the subject property.

- The residual impacts in the eastern sidewall of the remedial excavation are at low concentrations that do not substantially exceed the selected cleanup levels. Only a limited quantity of DRPH impacted soil remains at a concentration exceeding the site-specific CUL of 2,400 mg/kg. Moreover, the remedial action resulted in the removal of all detectable benzene from soils at the Site. If post-excavation conditions (i.e., no detectable benzene) are applied in assessing compliance with cleanup levels then the MTCA Method A CUL for GRPH of 100 mg/kg CUL is also met throughout the Site.

- No ground water was encountered at the subject property down to the maximum depth of exploration of 50 feet bgs and ground water under the Site is deeper than at least 100 feet below grade and likely much deeper. Well construction logs maintained by Ecology indicate that borings drilled adjacent to the property to the east were completed to a depth of 100 feet without encountering ground water and a report for the north adjoining property indicated that ground water was likely not present to a depth of at least 150 feet below grade. These findings are consistent with EPI's experience in the area of the subject property.

- The subject property has been fully remediated. The subject property complies with unrestricted land use cleanup levels throughout all media and with all other requirements of MTCA. No additional remedial actions are possible or required to bring the subject property into compliance with MTCA.

With the submission of this report to Ecology under the Voluntary Cleanup Program, Mr. Steele, the owner of the subject property, respectfully requests that Ecology issue a written determination that no further remedial action is necessary at the subject property. Mr. Steele understands that such a property-specific NFA determination will not address the remaining contamination present beyond the eastern property boundary and beneath Ronald Place North.

4.0 LIMITATIONS

This document has been prepared solely for the use of Mr. Larry Steele and his lenders, partners, affiliates, and advisors. This document may not be relied upon by any other party without the express written consent of both Mr. Steele and EPI.

To the extent the services documented herein have required judgment, there can be no assurance that fully definitive or desired results were obtained, or if any results were obtained, that they were supportive of any given course of action. To the extent that this Property Cleanup Report may include or require the application of judgment to scientific principles or best professional judgment, certain results of this work may be based on subjective interpretation. WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED INCLUDING WITHOUT LIMITATION, WARRANTIES AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The information provided under this report is not to be construed as legal advice.

Tables

Table 1
Summary of Test Pit Analytical Results (mg/kg)
Former Unocal Site
17230 Aurora Avenue North - Shoreline, Washington

Sample Location	Collection Data	Depth (Feet)	Petroleum Hydrocarbons			Volatile Organic Compounds[c]						Aromatic Hydrocarbons[d]				Metals[e]				
			Gasoline-Range Petroleum Hydrocarbons (GRPH)[a]	Diesel-Range Petroleum Hydrocarbons (DRPH)[b]	Higher-Range Petroleum Hydrocarbons (HRPH)[b]	Isopropyl-benzene	n-Propyl-benzene	tert-Butyl-benzene	sec-Butyl-benzene	p-Isopropyl-toluene	Naphthalene	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Arsenic	Cadmium	Chromium	Lead	Mercury[f]
Test Pit 1	2/7/11	9	900	2,300	350	0.91	2.3	0.14	2.2	0.51	5.4	<0.1	0.12	3.9	2.3	1.67	<1	9.60	2.37	<0.2
	2/7/11	12	750	2,200	410	--	--	--	--	--	--	<0.1	<0.1	3.3	2.0	--	--	--	--	--
	2/7/11	18	230	310	<250	--	--	--	--	--	--	<0.02	<0.02	0.63	0.40	--	--	--	--	--
Test Pit 2	2/7/11	8	<2	<50	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
	2/7/11	14	59	510	<250	--	--	--	--	--	--	<0.02	<0.02	0.16	0.22	--	--	--	--	--
	2/7/11	18	180	810	<250	--	--	--	--	--	--	<0.1	<0.1	0.47	0.42	--	--	--	--	--
Test Pit 3	2/7/11	10	<2	<50	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
	2/7/11	16	<2	<50	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
Test Pit 4	2/7/11	10	<2	<50	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
	2/7/11	15	<2	<50	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
Test Pit 5	2/7/11	7	240	8,800	460	<0.05	0.098	<0.05	0.19	<0.05	0.41	<0.1	<0.1	0.28	<0.3	5.62	<1	11.3	7.28	<0.2
	2/7/11	14	540	2,800	<250	--	--	--	--	--	--	<0.1	<0.1	1.7	0.90	--	--	--	--	--
	2/7/11	19.5	500	1,900	<250	--	--	--	--	--	--	<0.1	<0.1	1.4	0.71	--	--	--	--	--
Test Pit 6	2/7/11	10	<2	<50	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
	2/7/11	16	<2	<50	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
Test Pit 7	2/8/11	12	6.4	150	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
	2/8/11	17	12	78	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
Test Pit 8	2/8/11	10	<2	<50	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
	2/8/11	16	<2	<50	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
Test Pit 9	2/8/11	11	<2	<50	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
	2/8/11	16	3.3	<50	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
Test Pit 10	2/8/11	11	8.5	800	<250	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.06	--	--	--	--	--
	2/8/11	19	200	1,500	<250	--	--	--	--	--	--	<0.02	0.025	0.68	0.60	--	--	--	--	--
MTCA Method A and Method B Soil Cleanup Levels			30/100[g]	2,400[h]	2,000	NVE	NVE	NVE	NVE	NVE	5	0.03	7	6	9	20	2	19/2,000[h]	250	2

NOTES:

a	Using NWTPH-Gx Methods
b	Using NWTPH-Dx Methods
c	Using EPA Method 8260C
d	Using EPA Method 8021B
e	Using EPA Method 200.8
f	Using EPA Method 1631E
g	100 mg/kg for GRPH mixtures without benzene and a total of toluene, ethylbenzene, and xylenes less than 1% of the GRPH mixture; otherwise 30 mg/kg
h	Method B Site-specific Cleanup Level, see text
i	19 for chromium VI, 2,000 for chromium III
NVE	No value established
"--"	Not analyzed for this constituent
Bolded	Indicates a detection above the Method Detection Limit
Bolded & Shaded	Exceeds applicable cleanup level

Table 2
Summary of Soil Boring Analytical Results (mg/kg)
Former Unocal Site
17230 Aurora Avenue North - Shoreline, Washington

Sample Location	Collection Date	Depth (Feet)	Petroleum Hydrocarbons			Aromatic Hydrocarbons[c]			
			Gasoline-Range Petroleum Hydrocarbons (GRPH)[a]	Diesel-Range Petroleum Hydrocarbons (DRPH)[b]	Higher-Range Petroleum Hydrocarbons (HRPH)[b]	Benzene	Toluene	Ethylbenzene	Xylenes, Total
B-1	2/15/11	10	**250**	**2,500**	<250	<0.02	<0.02	**0.95**	**1.2**
	2/15/11	15	**200**	**2,400**	<250	<0.02	<0.02	**0.85**	**1.0**
	2/15/11	20	**500**	**690**	<250	<0.02	<0.02	**1.9**	**1.6**
	2/15/11	30	**15**	<50	<250	<0.02	<0.02	<0.02	<0.06
B-2	2/15/11	14	**43**	<50	<250	<0.02	<0.02	**0.034**	<0.06
	2/15/11	19	**2.9**	<50	<250	<0.02	<0.02	<0.02	<0.06
	2/15/11	24	<2	<50	<250	<0.02	<0.02	<0.02	<0.06
	2/15/11	29	<2	<50	<250	<0.02	<0.02	<0.02	<0.06
B-3	2/16/11	20	<2	<50	<250	<0.02	<0.02	<0.02	<0.06
	2/16/11	25	<2	<50	<250	<0.02	<0.02	<0.02	<0.06
	2/16/11	30	<2	<50	<250	<0.02	<0.02	<0.02	<0.06
	2/16/11	35	<2	<50	<250	<0.02	<0.02	<0.02	<0.06
	2/16/11	40	**79**	**61**	<250	<0.02	<0.02	**0.62**	**1.1**
	2/16/11	45	**72**	<50	<250	**0.03**	<0.02	**0.16**	**0.27**
	2/16/11	50	<2	<50	<250	<0.02	<0.02	<0.02	<0.06
B-4	2/16/11	15	**770**	**2,700**	<250	<0.02	<0.1	**1.9**	**3.0**
	2/16/11	20	**220**	**85**	<250	<0.02	<0.02	**0.62**	<0.06
	2/16/11	25	**310**	**1,100**	<250	**0.04**	<0.02	**1.2**	**1.4**
	2/16/11	30	**3.2**	<50	<250	<0.02	<0.02	<0.02	<0.06
	2/16/11	35	<2	<50	<250	<0.02	<0.02	<0.02	<0.06
MTCA Method A and Method B Soil Cleanup Levels			**30/100[d]**	**2,400[e]**	**2,000**	**0.03**	**7**	**6**	**9**

NOTES:

a	Using NWTPH-Gx Methods
b	Using NWTPH-Dx Methods
c	Using EPA Method 8021B
d	100 mg/kg for GRPH mixtures without benzene and a total of toluene, ethylbenzene, and xylenes less than 1% of the GRPH mixture; otherwise 30 mg/kg
e	MTCA Method B site-specific cleanup level
Bolded	Indicates a detection above the Method Detection Limit
Bolded & Shaded	Exceeds applicable cleanup level

Table 3
Summary of Soil Boring Analytical Results (mg/kg)
Volatile Petroleum Hydrocarbons
Former Unocal Site
17230 Aurora Avenue North - Shoreline, Washington

Sample Location	Collection Date	Depth (Feet)	Volatile Petroleum Hydrocarbons[a]							Aromatic Hydrocarbons[a]						
			Aliphatics				Aromatics									
			C5-C6	C6-C8	C8-C10	C10-C12	C8-C10	C10-C12	C12-C13	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylenes	Naphthalene	Hexane
B-1	2/15/11	10	<0.05	<0.05	**14.0**	**37.2**	**8.08**	**29.8**	**22.7**	<0.05	<0.05	<0.05	**0.0896**	**0.0852**	**2.62**	<0.05
	2/15/11	15	<0.05	<0.05	<0.05	<0.05	**9.68**	**31.1**	**26.9**	<0.05	<0.05	**0.112**	**0.127**	**0.0499**	**3.30**	<0.05
	2/15/11	20	<0.05	<0.05	**4.66**	**18.1**	**2.61**	**7.74**	**9.02**	<0.05	<0.05	<0.05	<0.05	**0.0379**	**0.668**	<0.05
B-4	2/16/11	15	<0.05	<0.05	<0.05	**11.2**	**29.2**	**132**	**68.5**	**0.749**	**1.79**	**6.67**	**5.98**	**3.70**	**127**	<0.05
	2/16/11	20	<0.05	<0.05	<0.05	<0.05	**1.01**	**4.43**	**5.66**	<0.05	<0.05	**0.167**	**0.186**	<0.05	<0.05	<0.05
	2/16/11	25	<0.05	<0.05	**4.67**	**11.1**	**8.56**	**37.7**	**27.2**	<0.05	**0.512**	**0.958**	**1.33**	<0.05	<0.05	<0.05

Table 4
Summary of Soil Boring Analytical Results (mg/kg)
Extractable Petroleum Hydrocarbons
Former Unocal Site
17230 Aurora Avenue North - Shoreline, Washington

Sample Location	Collection Date	Depth (Feet)	Extractable Petroleum Hydrocarbons[a]									
			Aliphatics					Aromatics				
			C8-C10	C10-C12	C12-C16	C16-C21	C21-C34	C8-C10	C10-C12	C12-C16	C16-C21	C21-C34
B-1	2/15/11	15	**14.9**	**118**	**788**	**587**	**545**	**2.90**	**5.96**	**68.5**	**154**	**45.3**
	2/15/11	20	**1.78**	**45.2**	**299**	**272**	**695**	**1.30**	**1.27**	**14.4**	**48.5**	**12.2**
B-4	2/16/11	15	**167**	**906**	**1,800**	**1,190**	**139**	**9.47**	**117**	**431**	**541**	**101**

NOTES:

a	Using NWVPH Method
NVE	No value established
"--"	Not analyzed for this constituent
Bolded	Indicates a detection above the Method Detection Limit

Table 5
Summary of Remedial Excavation Analytical Results (mg/kg)
Former Unocal Site
17230 Aurora Avenue North - Shoreline, Washington

Sample Identification	Collection Data	Depth (Feet)	Collected from Terminal Limits of Excavation	Petroleum Hydrocarbons		Aromatic Hydrocarbons[c]			
				Gasoline- Range Petroleum Hydrocarbons (GRPH)[a]	Diesel-Range Petroleum Hydrocarbons (DRPH)[b]	Benzene	Toluene	Ethylbenzene	Xylenes, Total
Base S	5/18/11	20	X	<10	<25	<0.02	<0.10	<0.05	<0.15
Base Mid	5/18/11	20	X	<10	**73**	<0.02	<0.10	<0.05	<0.15
South Bench	5/18/11	18		**79**	**8,400**	<0.02	<0.10	**0.22**	**0.31**
East Mid	5/18/11	15	X	**36**	**196**	<0.02	<0.10	<0.05	<0.15
South End SW	5/18/11	15		**89**	**2,790**	<0.02	<0.10	**0.08**	**0.14**
SE	5/18/11	15	X	**97**	**3,070**	<0.02	<0.10	**0.11**	**0.13**
SW	5/18/11	15		**85**	**1,840**	<0.02	<0.10	<0.05	**0.12**
East North Mid	5/18/11	15	X	**79**	**458**	<0.02	<0.10	**0.25**	**0.35**
West North Mid	5/18/11	15	X	<10	**24**	<0.02	<0.10	<0.05	<0.15
West Mid	5/18/11	15	X	<10	<25	<0.02	<0.10	<0.05	<0.15
NE	5/18/11	16	X	**79**	**1,120**	<0.02	<0.10	**0.06**	**0.13**
West	5/18/11	18	X	<10	<25	<0.02	<0.10	<0.05	<0.15
Base N Mid	5/18/11	17		**68**	**1,010**	<0.02	<0.10	**0.1**	**0.14**
NWC	5/18/11	16	X	**22**	**382**	<0.02	<0.10	<0.05	<0.15
NW	5/18/11	16	X	**24**	**672**	<0.02	<0.10	<0.05	<0.15
Base N Mid	5/18/11	20		**93**	**9,350**	<0.02	<0.10	**0.46**	**0.51**
North End Base	5/18/11	24	X	<10	<25	<0.02	<0.10	<0.05	<0.15
North End SW	5/18/11	22	X	<10	**203**	<0.02	<0.10	<0.05	<0.15
Base N Mid-S	5/20/11	28	X	<10	<25	<0.02	<0.10	<0.05	<0.15
Base N Mid-N	5/20/11	28	X	<10	<25	<0.02	<0.10	<0.05	<0.15
SE Mid	5/20/11	25	X	**53**	**93**	<0.02	**0.24**	**0.09**	**0.52**
SW Mid	5/20/11	25	X	<10	**136**	<0.02	<0.10	<0.05	<0.15
South End Base	5/20/11	26	X	<10	<25	<0.02	<0.10	<0.05	<0.15
East Mid-N	5/20/11	15	X	**47**	**45**	<0.02	**0.14**	**0.05**	**0.31**
	5/20/11	25	X	<10	<25	<0.02	<0.10	<0.05	<0.15
South End	5/20/11	25	X	<10	**696**	<0.02	<0.10	<0.05	<0.15
Far SW	5/20/11	25	X	**20**	**531**	<0.02	<0.10	<0.05	<0.15
MTCA Method A and Method B Soil Cleanup Levels				**30/100[d]**	**2,400[e]**	**0.03**	**7**	**6**	**9**

NOTES:

a	Using NWTPH-Gx Methods
b	Using NWTPH-Dx Methods
c	Using EPA Method 8021B
d	100 mg/kg for GRO mixtures without benzene and a total of toluene, ethylbenzene, and xylenes less than 1% of the GRO mixture; otherwise 30 mg/kg
e	MTCA Method B site-specific Cleanup Level
Bolded	Indicates a detection above the Method Detection Limit
Bolded & Shaded	Exceeds applicable cleanup level
X	Indicates sample collected from the terminal limits of the remedial excavation

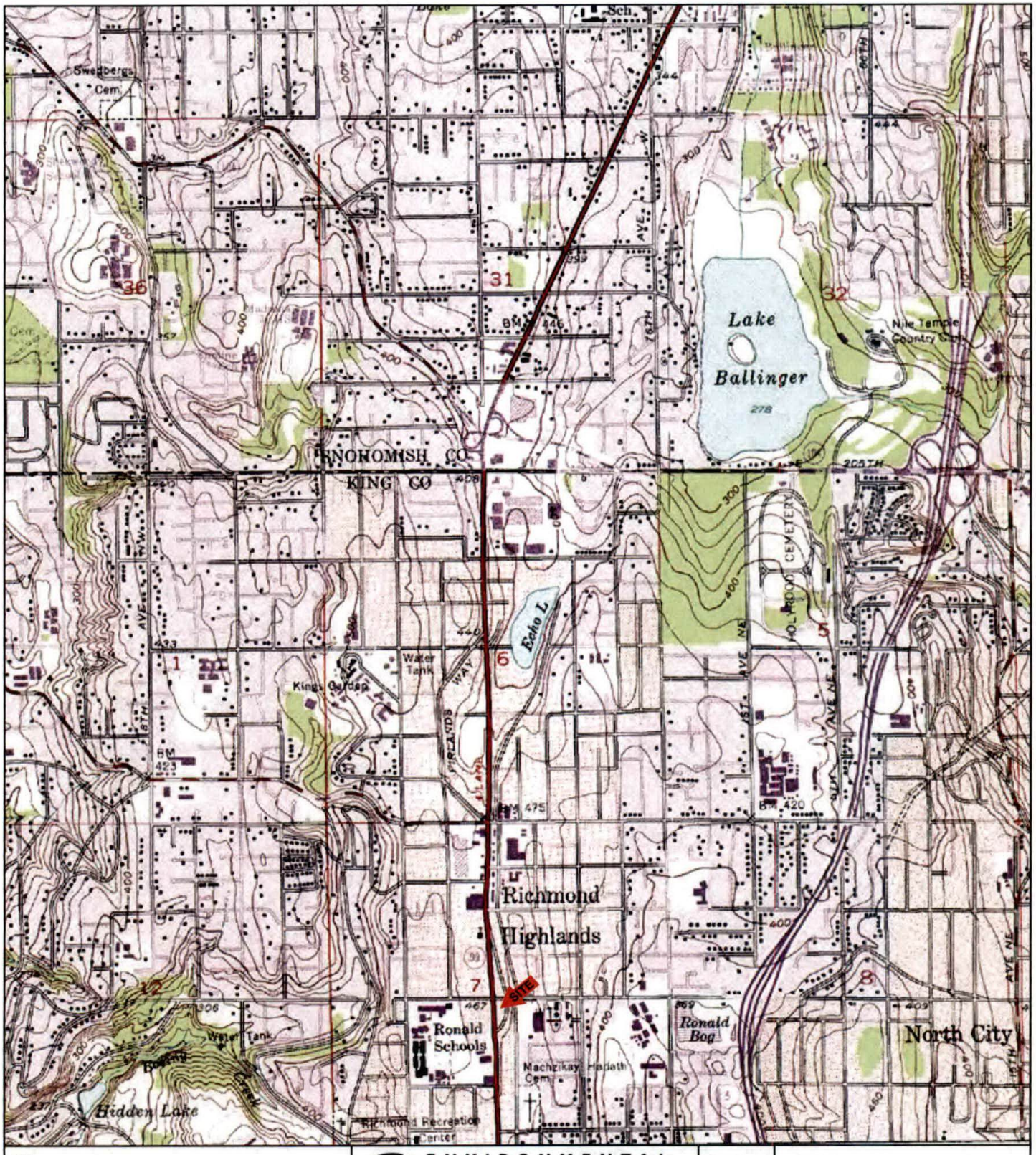
Table 6
Summary of UST Analytical Results (mg/kg)
Former Unocal Site
17230 Aurora Avenue North
Seattle, Washington

Sample ID	Sample depth (feet below ground surface)	Petroleum Hydrocarbons			Aromatic Hydrocarbons[c]			
		Gasoline-Range Petroleum Hydrocarbons (GRPH)[a]	Diesel-Range Petroleum Hydrocarbons (DRPH)[b]	Higher-Range Petroleum Hydrocarbons (HRPH)[b]	Benzene	Toluene	Ethylbenzene	Total Xylenes
North End	3	<2	<50	<250	NA	NA	NA	NA
South End	3	<2	<50	<250	NA	NA	NA	NA
Base	4	<2	**720**	<250	<0.02	<0.02	<0.02	<0.06
East Sidewall	3	<2	<50	<250	NA	NA	NA	NA
MTCA Method A Soil Cleanup Level for Unrestricted Land Uses		**30/100[d]**	**2,000**	**2,000**	**0.03**	**7**	**6**	**9[e]**

NOTES:

a	Analyzed using NWTPH-Gx Methods
b	Analyzed using NWTPH-Dx Methods
c	Analyzed using EPA Method 8021B
d	MTCA Method A Cleanup Level is 30 mg/kg when benzene is present, 100 mg/kg when benzene is absent
e	Soil cleanup level for xylenes pertains to total xylenes (m+p xylene + o xylene)
NA	Not analyzed for the indicated analyte
Bolded	Indicates that the analyte concentration is above the compound-specific laboratory detection limit

Figures



KEY:

SOURCE: USGS 7.5 MINUTE QUANDRANGLE (TOPOGRAPHIC)

EDMONDS EAST, WA
1953 (REVISED IN 1981)

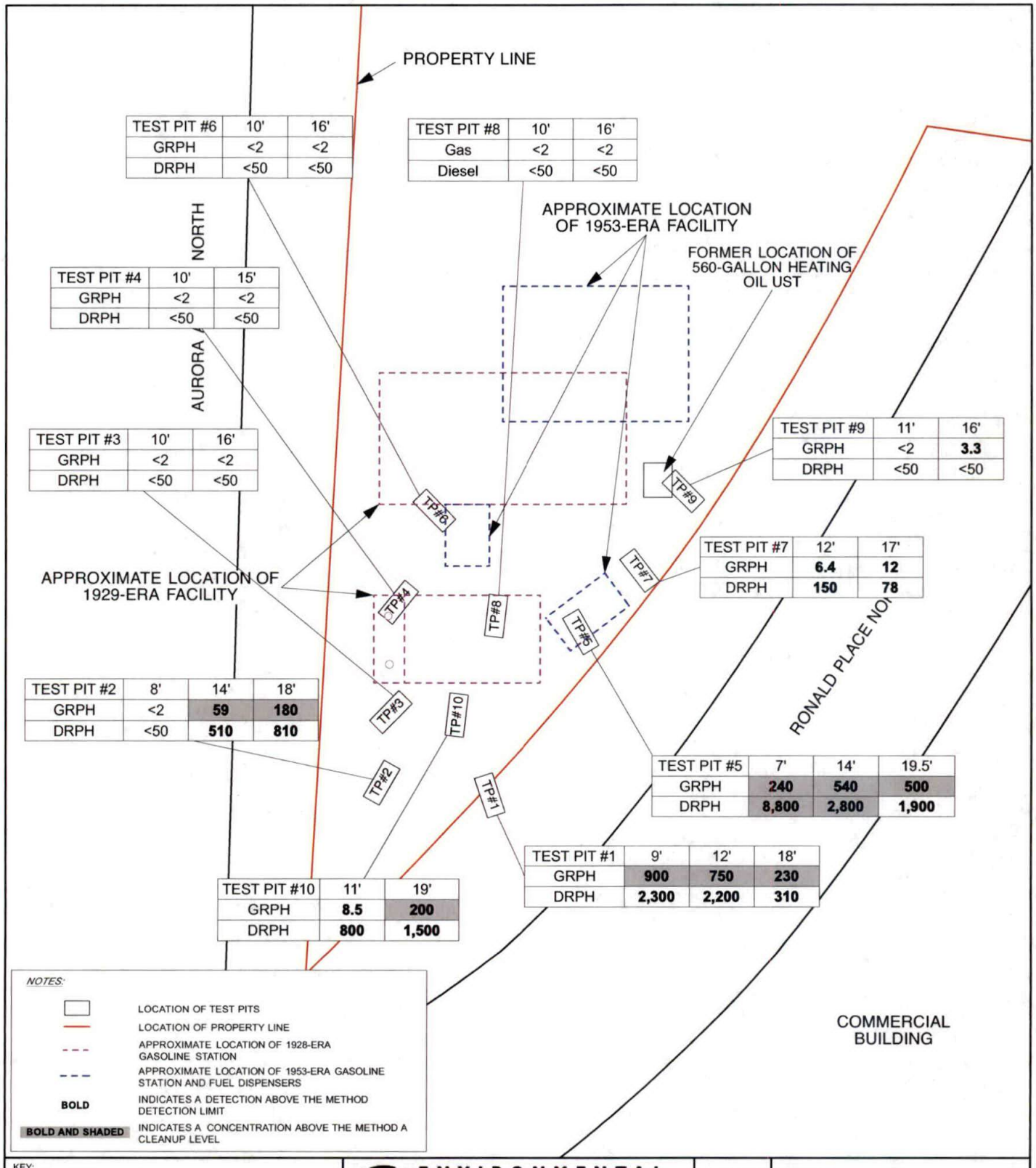
SCALE = 1:24,000

ENVIRONMENTAL PARTNERS INC
295 NE Gilman Boulevard, Suite 201
Issaquah, Washington 98027

FIGURE 1

GENERAL VICINITY MAP

PROJECT	61301.0		
PREPARED FOR	MR. LARRY STEELE		
LOCATION	FORMER UNOCAL SITE 17230 AURORA AVENUE NORTH SHORELINE, WASHINGTON		
SHEET	DRAWN BY	REVIEWED BY	DATE
1 of 1	ARM	GMC	03/06/12



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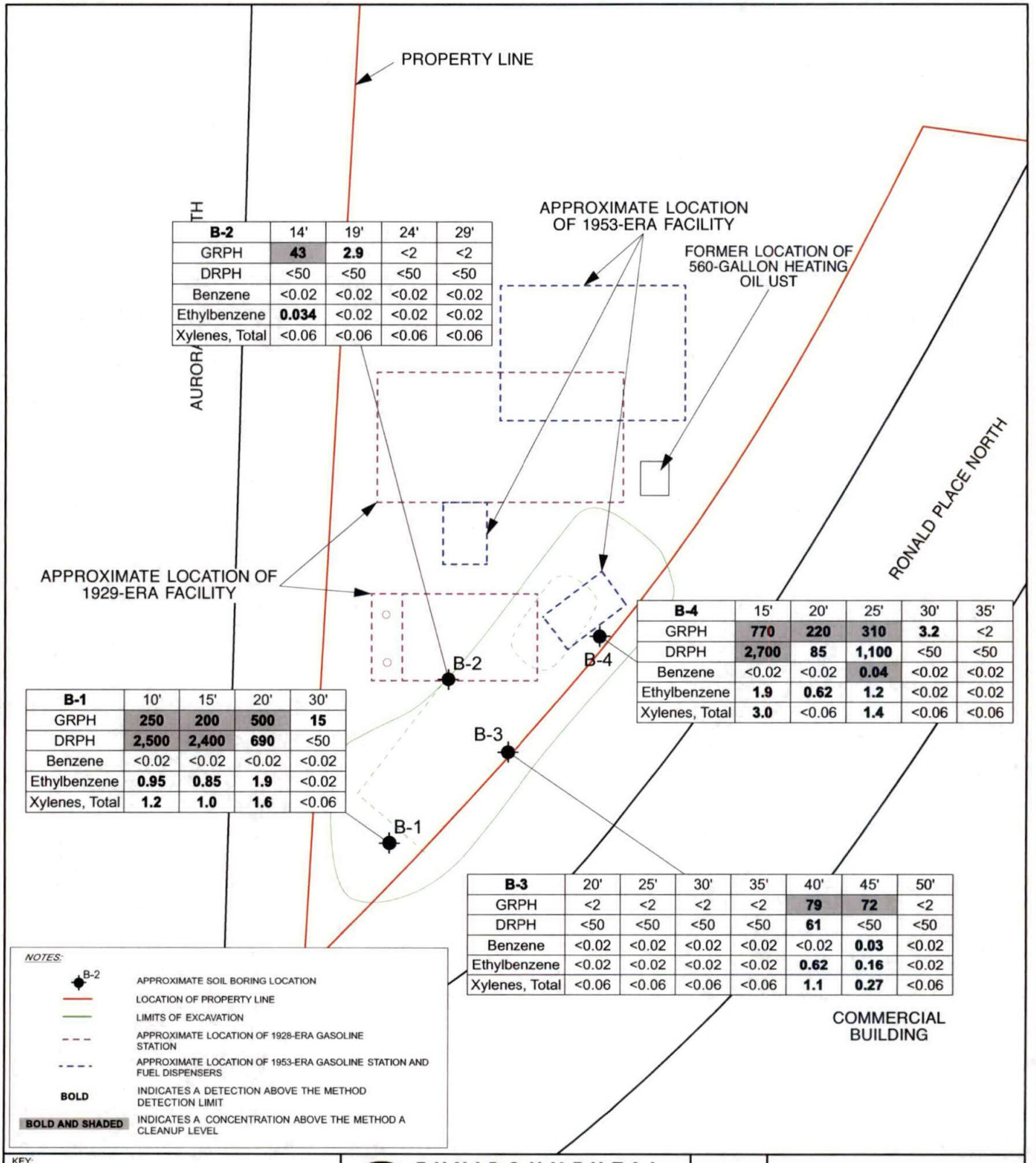
Issaquah, Washington 98027

FIGURE 2

TEST PIT LOCATIONS WITH GRPH AND DRPH RESULTS IN MG/KG

PROJECT	61301.0
PREPARED FOR	MR. LARRY STEELE
LOCATION	FORMER UNOCAL SITE 17230 AURORA AVENUE NORTH SHORELINE, WASHINGTON

SHEET	DRAWN BY	REVIEWED BY	DATE
1 of 1	ARM	GMC	03/22/12



B-2	14'	19'	24'	29'
GRPH	**43**	**2.9**	<2	<2
DRPH	<50	<50	<50	<50
Benzene	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	**0.034**	<0.02	<0.02	<0.02
Xylenes, Total	<0.06	<0.06	<0.06	<0.06

B-4	15'	20'	25'	30'	35'
GRPH	**770**	**220**	**310**	**3.2**	<2
DRPH	**2,700**	**85**	**1,100**	<50	<50
Benzene	<0.02	<0.02	**0.04**	<0.02	<0.02
Ethylbenzene	**1.9**	**0.62**	**1.2**	<0.02	<0.02
Xylenes, Total	**3.0**	<0.06	**1.4**	<0.06	<0.06

B-1	10'	15'	20'	30'
GRPH	**250**	**200**	**500**	**15**
DRPH	**2,500**	**2,400**	**690**	<50
Benzene	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	**0.95**	**0.85**	**1.9**	<0.02
Xylenes, Total	**1.2**	**1.0**	**1.6**	<0.06

B-3	20'	25'	30'	35'	40'	45'	50'
GRPH	<2	<2	<2	<2	**79**	**72**	<2
DRPH	<50	<50	<50	<50	**61**	<50	<50
Benzene	<0.02	<0.02	<0.02	<0.02	<0.02	**0.03**	<0.02
Ethylbenzene	<0.02	<0.02	<0.02	<0.02	**0.62**	**0.16**	<0.02
Xylenes, Total	<0.06	<0.06	<0.06	<0.06	**1.1**	**0.27**	<0.06

NOTES:

- B-2 — APPROXIMATE SOIL BORING LOCATION
- LOCATION OF PROPERTY LINE
- LIMITS OF EXCAVATION
- APPROXIMATE LOCATION OF 1928-ERA GASOLINE STATION
- APPROXIMATE LOCATION OF 1953-ERA GASOLINE STATION AND FUEL DISPENSERS
- **BOLD** — INDICATES A DETECTION ABOVE THE METHOD DETECTION LIMIT
- **BOLD AND SHADED** — INDICATES A CONCENTRATION ABOVE THE METHOD A CLEANUP LEVEL

KEY:

0 5 10 20

SCALE: 1" = 20'

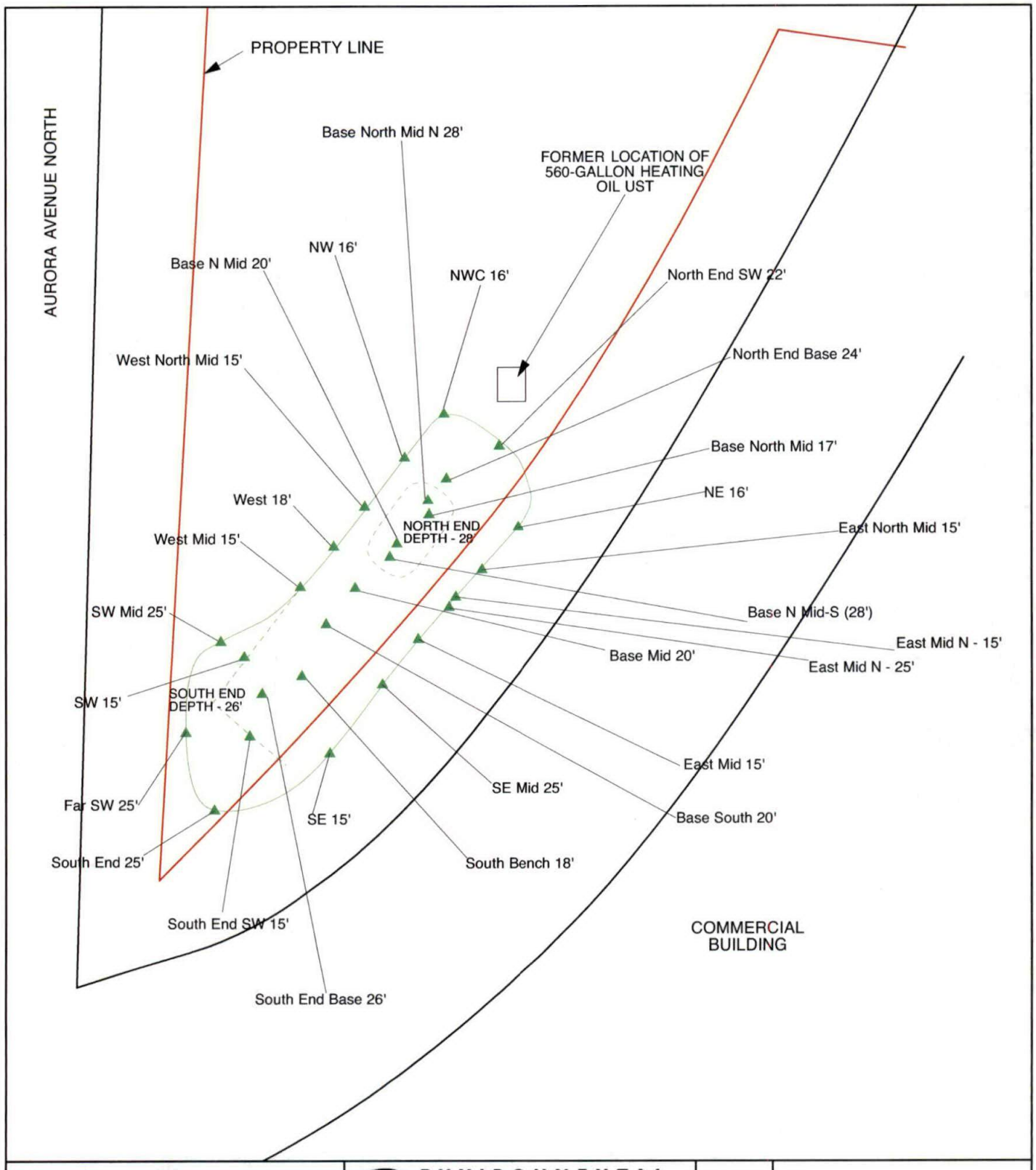
ENVIRONMENTAL PARTNERS INC

295 NE Gilman Boulevard, Suite 201
Issaquah, Washington 98027

FIGURE 3

SOIL BORING LOCATIONS WITH GRPH, DRPH, AND BTEX RESULTS IN MG/KG

PROJECT	61301.0		
PREPARED FOR	MR. LARRY STEELE		
LOCATION	FORMER UNOCAL SITE 17230 AURORA AVENUE NORTH SHORELINE, WASHINGTON		
SHEET	DRAWN BY	REVIEWED BY	DATE
1 of 1	ARM	GMC	03/22/12



KEY:
B-2 APPROXIMATE SOIL BORING LOCATION
LOCATION OF PROPERTY LINE
LIMITS OF EXCAVATION
APPROXIMATE SOIL SAMPLE LOCATION
DRPH AND GRPH SOIL RESULTS IN MG/KG

0 5 10 20
SCALE: 1" = 20'

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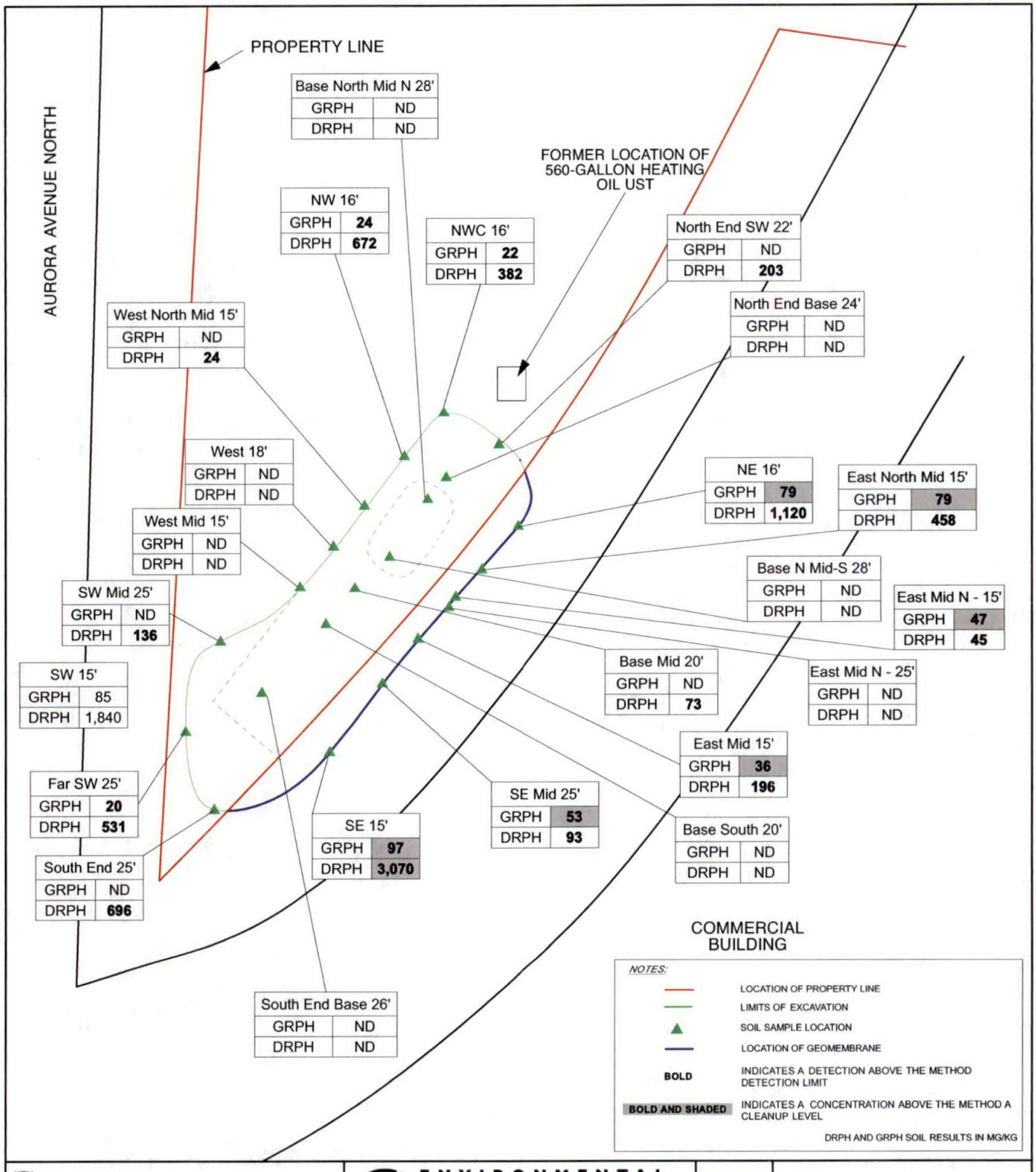
295 NE Gilman Boulevard, Suite 201
Issaquah, Washington 98027

FIGURE 4

CONFIRMATION SAMPLE LOCATION

PROJECT	61301.0		
PREPARED FOR	MR. LARRY STEELE		
LOCATION	FORMER UNOCAL SITE 17230 AURORA AVENUE NORTH SHORELINE, WASHINGTON		
SHEET	DRAWN BY	REVIEWED BY	DATE
1 of 1	ARM	GMC	03/22/12



KEY:

0 5 10 20

SCALE: 1" = 20'

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295 NE Gilman Boulevard, Suite 201
Issaquah, Washington 98027

FIGURE 5

FINAL CONFIRMATION SAMPLE LOCATIONS WITH ANALYTICAL RESULTS IN MG/KG

PROJECT	61301.0
PREPARED FOR	MR. LARRY STEELE
LOCATION	FORMER UNOCAL SITE 17230 AURORA AVENUE NORTH SHORELINE, WASHINGTON

SHEET	DRAWN BY	REVIEWED BY	DATE
1 of 1	ARM	GMC	03/22/12

Attachments

Attachment A

Test Pit Analytical Reports

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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February 10, 2011

Greg McCormick, Project Manager
Environmental Partners, Inc.
295 NE Gilman Blvd., Suite 201
Issaquah, WA 98027

RE: Aurora Rents Seattle, WA, F&BI 102081

Dear Mr. Koltes:

Included are the results from the testing of material submitted on February 7, 2011 from the Aurora Rents Seattle, WA, F&BI 102081 project. There are 19 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
EPI0210R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 7, 2011 by Friedman & Bruya, Inc. from the Environmental Partners Aurora Rents Seattle, WA project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
102081-01	Test Pit 1 (9')
102081-02	Test Pit 1 (12')
102081-03	Test Pit 1 (18')
102081-04	Test Pit 2 (8')
102081-05	Test Pit 2 (14')
102081-06	Test Pit 2 (18')
102081-07	Test Pit 3 (10')
102081-08	Test Pit 3 (16')
102081-09	Test Pit 4 (10')
102081-10	Test Pit 4 (15')
102081-11	Test Pit 5 (7')
102081-12	Test Pit 5 (14')
102081-13	Test Pit 5 (19.5')
102081-14	Test Pit 6 (10')
102081-15	Test Pit 6 (16')

The 8260C laboratory control sample and laboratory control sample duplicate failed the relative percent difference for several compounds. The analytes were not detected therefore the data were acceptable.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/11
Date Received: 02/07/11
Project: Aurora Rents Seattle, WA, F&BI 102081
Date Extracted: 02/07/11
Date Analyzed: 02/07/11 and 02/08/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
Test Pit 1 (9') 102081-01 1/5	<0.1	0.12	3.9	2.3	900	ds
Test Pit 1 (12') 102081-02 1/5	<0.1	<0.1	3.3	2.0	750	ds
Test Pit 1 (18') 102081-03	<0.02	<0.02	0.63	0.40	230	ds
Test Pit 2 (8') 102081-04	<0.02	<0.02	<0.02	<0.06	<2	92
Test Pit 2 (14') 102081-05	<0.02	<0.02	0.16	0.22	59	116
Test Pit 2 (18') 102081-06 1/5	<0.1	<0.1	0.47	0.42	180	139
Test Pit 3 (10') 102081-07	<0.02	<0.02	<0.02	<0.06	<2	94
Test Pit 3 (16') 102081-08	<0.02	<0.02	<0.02	<0.06	<2	97
Test Pit 4 (10') 102081-09	<0.02	<0.02	<0.02	<0.06	<2	97
Test Pit 4 (15') 102081-10	<0.02	<0.02	<0.02	<0.06	<2	97

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/11
Date Received: 02/07/11
Project: Aurora Rents Seattle, WA, F&BI 102081
Date Extracted: 02/07/11
Date Analyzed: 02/07/11 and 02/08/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
Test Pit 5 (7') 102081-11 1/5	<0.1	<0.1	0.28	<0.3	240	114
Test Pit 5 (14') 102081-12 1/5	<0.1	<0.1	1.7	0.90	540	ds
Test Pit 5 (19.5') 102081-13 1/5	<0.1	<0.1	1.4	0.71	500	ds
Test Pit 6 (10') 102081-14	<0.02	<0.02	<0.02	<0.06	<2	93
Test Pit 6 (16') 102081-15	<0.02	<0.02	<0.02	<0.06	<2	93
Method Blank 01-0246 MB	<0.02	<0.02	<0.02	<0.06	<2	98

Date of Report: 02/10/11
Date Received: 02/07/11
Project: Aurora Rents Seattle, WA, F&BI 102081
Date Extracted: 02/07/11
Date Analyzed: 02/07/11 and 02/08/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
Test Pit 1 (9') 102081-01	2,300	350	114
Test Pit 1 (12') 102081-02	2,200	410	111
Test Pit 1 (18') 102081-03	310	<250	110
Test Pit 2 (8') 102081-04	<50	<250	109
Test Pit 2 (14') 102081-05	510	<250	103
Test Pit 2 (18') 102081-06	810	<250	106
Test Pit 3 (10') 102081-07	<50	<250	103
Test Pit 3 (16') 102081-08	<50	<250	113
Test Pit 4 (10') 102081-09	<50	<250	106
Test Pit 4 (15') 102081-10	<50	<250	110
Test Pit 5 (7') 102081-11	8,800	460 x	114
Test Pit 5 (14') 102081-12	2,800	<250	105

Date of Report: 02/10/11
Date Received: 02/07/11
Project: Aurora Rents Seattle, WA, F&BI 102081
Date Extracted: 02/07/11
Date Analyzed: 02/07/11 and 02/08/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
Test Pit 5 (19.5') 102081-13	1,900	<250	102
Test Pit 6 (10') 102081-14	<50	<250	104
Test Pit 6 (16') 102081-15	<50	<250	105
Method Blank 01-0248 MB	<50	<250	140

Analysis For Total Metals By EPA Method 200.8

Client ID:	Test Pit 1 (9')	Client:	Environmental Partners
Date Received:	02/07/11	Project:	Aurora Rents Seattle, WA, F&BI 102081
Date Extracted:	02/09/11	Lab ID:	102081-01
Date Analyzed:	02/10/11	Data File:	102081-01.013
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	103	60	125
Indium	94	60	125
Holmium	91	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	9.60
Arsenic	1.67
Cadmium	<1
Lead	2.37

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Test Pit 5 (7')	Client:	Environmental Partners
Date Received:	02/07/11	Project:	Aurora Rents Seattle, WA, F&BI 102081
Date Extracted:	02/09/11	Lab ID:	102081-11
Date Analyzed:	02/10/11	Data File:	102081-11.014
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	101	60	125
Indium	91	60	125
Holmium	90	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	11.3
Arsenic	5.62
Cadmium	<1
Lead	7.28

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Environmental Partners
Date Received:	NA	Project:	Aurora Rents Seattle, WA, F&BI 102081
Date Extracted:	02/08/11	Lab ID:	I1-84 mb
Date Analyzed:	02/10/11	Data File:	I1-84 mb.012
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	99	60	125
Indium	97	60	125
Holmium	93	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	<1
Arsenic	<1
Cadmium	<1
Lead	<1

Date of Report: 02/10/11
Date Received: 02/07/11
Project: Aurora Rents Seattle, WA, F&BI 102081
Date Extracted: 02/09/11
Date Analyzed: 02/09/11

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Total Mercury
Test Pit 1 (9') 102081-01	<0.2
Test Pit 5 (7') 102081-11	<0.2
Method Blank	<0.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Test Pit 1 (9')	Client:	Environmental Partners
Date Received:	02/07/11	Project:	Aurora Rents Seattle, WA, F&BI 102081
Date Extracted:	02/09/11	Lab ID:	102081-01
Date Analyzed:	02/09/11	Data File:	020909.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	62	142
Toluene-d8	98	55	145
4-Bromofluorobenzene	157 ip	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	0.91
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	2.3
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	0.14
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	2.2
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	0.51
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	5.4
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Test Pit 5 (7')	Client:	Environmental Partners
Date Received:	02/07/11	Project:	Aurora Rents Seattle, WA, F&BI 102081
Date Extracted:	02/09/11	Lab ID:	102081-11
Date Analyzed:	02/09/11	Data File:	020911.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	62	142
Toluene-d8	97	55	145
4-Bromofluorobenzene	103	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	0.098
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	0.19
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	0.41
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	NA	Project:	Aurora Rents Seattle, WA, F&BI 102081
Date Extracted:	02/09/11	Lab ID:	01-209 mb
Date Analyzed:	02/09/11	Data File:	020908.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	62	142
Toluene-d8	95	55	145
4-Bromofluorobenzene	102	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Date of Report: 02/10/11
Date Received: 02/07/11
Project: Aurora Rents Seattle, WA, F&BI 102081

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 102039-02 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.2	<0.2	nm
Toluene	mg/kg (ppm)	<0.2	<0.2	nm
Ethylbenzene	mg/kg (ppm)	1.1	1.3	20
Xylenes	mg/kg (ppm)	1.3 a	1.6 a	24 a
Gasoline	mg/kg (ppm)	560	620	11

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.25	88	69-120
Toluene	mg/kg (ppm)	0.25	93	70-117
Ethylbenzene	mg/kg (ppm)	0.25	93	65-123
Xylenes	mg/kg (ppm)	0.75	94	66-120
Gasoline	mg/kg (ppm)	20	95	71-131

Date of Report: 02/10/11
Date Received: 02/07/11
Project: Aurora Rents Seattle, WA, F&BI 102081

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 102081-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	114	118	63-146	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	110	79-144

Date of Report: 02/10/11
Date Received: 02/07/11
Project: Aurora Rents Seattle, WA, F&BI 102081

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 101304-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/kg (ppm)	50	7.57	92	95	51-132	3
Arsenic	mg/kg (ppm)	10	3.03	99 b	96 b	44-151	3 b
Cadmium	mg/kg (ppm)	10	<1	101	98	83-120	3
Lead	mg/kg (ppm)	20	7.05	97 b	97 b	65-126	0 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	103	79-125
Arsenic	mg/kg (ppm)	10	104	80-120
Cadmium	mg/kg (ppm)	10	101	89-116
Lead	mg/kg (ppm)	20	99	81-120

Date of Report: 02/10/11
Date Received: 02/07/11
Project: Aurora Rents Seattle, WA, F&BI 102081

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 101304-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	mg/kg (ppm)	0.125	<0.2	68	65	45-162	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	mg/kg (ppm)	0.125	92	63-144

Date of Report: 02/10/11
Date Received: 02/07/11
Project: Aurora Rents Seattle, WA, F&BI 102081

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 102081-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	17	10-142
Chloromethane	mg/kg (ppm)	2.5	<0.5	42	10-126
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	46	10-138
Bromomethane	mg/kg (ppm)	2.5	<0.5	57	10-150
Chloroethane	mg/kg (ppm)	2.5	<0.5	67	10-150
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	57	10-150
Acetone	mg/kg (ppm)	12.5	<0.5	95	10-150
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	62	10-160
Methylene chloride	mg/kg (ppm)	2.5	<0.5	66	10-156
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	71	30-143
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	60	21-134
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	67	27-136
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	71	10-158
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	72	34-130
Chloroform	mg/kg (ppm)	2.5	<0.05	71	29-142
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	85	23-148
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	70	21-157
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	72	16-154
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	65	26-136
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	70	9-162
Benzene	mg/kg (ppm)	2.5	<0.03	66	36-129
Trichloroethene	mg/kg (ppm)	2.5	<0.03	67	31-135
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	72	40-130
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	78	33-151
Dibromomethane	mg/kg (ppm)	2.5	<0.05	76	32-144
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	79	29-156
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	80	39-138
Toluene	mg/kg (ppm)	2.5	<0.05	76	37-133
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	84	35-144
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	165 ip	39-137
2-Hexanone	mg/kg (ppm)	12.5	<0.5	83	15-166
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	77	41-131
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	75	28-129
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	86	37-146
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	81	37-137
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	77	42-123
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	77	39-141
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	84	40-137
m,p-Xylene	mg/kg (ppm)	5	<0.1	80	37-143
o-Xylene	mg/kg (ppm)	2.5	<0.05	81	39-131
Styrene	mg/kg (ppm)	2.5	<0.05	81	45-131
Isopropylbenzene	mg/kg (ppm)	2.5	0.91	64 b	41-137
Bromoform	mg/kg (ppm)	2.5	<0.05	86	24-154
n-Propylbenzene	mg/kg (ppm)	2.5	2.3	19 b	30-143
Bromobenzene	mg/kg (ppm)	2.5	<0.05	77	43-124
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	80	23-148
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	145 ip	31-144
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	74	32-141
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	78	40-129
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	79	41-131
tert-Butylbenzene	mg/kg (ppm)	2.5	0.14	78	39-132
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	77	10-182
sec-Butylbenzene	mg/kg (ppm)	2.5	2.2	25 b	31-142
p-Isopropyltoluene	mg/kg (ppm)	2.5	0.51	80 b	28-146
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	78	39-126
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	79	38-124
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	82	41-127
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	86	15-156
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	92	32-137
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	89	28-139
Naphthalene	mg/kg (ppm)	2.5	5.4	0 b	22-153
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	92	29-139

Date of Report: 02/10/11
Date Received: 02/07/11
Project: Aurora Rents Seattle, WA, F&BI 102081

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	47	36	10-146	27 vo
Chloromethane	mg/kg (ppm)	2.5	62	54	27-133	14
Vinyl chloride	mg/kg (ppm)	2.5	69	62	22-139	11
Bromomethane	mg/kg (ppm)	2.5	70	68	38-114	3
Chloroethane	mg/kg (ppm)	2.5	67	53	22-152	23 vo
Trichlorofluoromethane	mg/kg (ppm)	2.5	67	63	10-196	6
Acetone	mg/kg (ppm)	12.5	104	100	52-141	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	79	67	47-128	16
Methylene chloride	mg/kg (ppm)	2.5	89	83	51-129	7
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	86	78	63-121	10
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	85	84	67-127	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	82	79	71-124	4
2,2-Dichloropropane	mg/kg (ppm)	2.5	92	92	59-139	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	87	81	77-125	7
Chloroform	mg/kg (ppm)	2.5	87	79	69-119	10
2-Butanone (MEK)	mg/kg (ppm)	12.5	92	75	57-123	20
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	82	78	56-135	5
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	84	85	62-131	1
1,1-Dichloropropene	mg/kg (ppm)	2.5	85	80	69-128	6
Carbon tetrachloride	mg/kg (ppm)	2.5	89	85	60-139	5
Benzene	mg/kg (ppm)	2.5	80	77	72-121	4
Trichloroethene	mg/kg (ppm)	2.5	80	76	73-122	5
1,2-Dichloropropane	mg/kg (ppm)	2.5	86	82	72-127	5
Bromodichloromethane	mg/kg (ppm)	2.5	93	88	72-130	6
Dibromomethane	mg/kg (ppm)	2.5	86	83	74-117	4
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	88	85	45-145	3
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	95	91	75-136	4
Toluene	mg/kg (ppm)	2.5	89	87	66-126	2
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	103	95	72-132	8
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	93	88	77-117	6
2-Hexanone	mg/kg (ppm)	12.5	99	91	33-152	8
1,3-Dichloropropane	mg/kg (ppm)	2.5	93	89	72-130	4
Tetrachloroethene	mg/kg (ppm)	2.5	87	86	77-114	1
Dibromochloromethane	mg/kg (ppm)	2.5	101	97	74-125	4
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	92	91	74-132	1
Chlorobenzene	mg/kg (ppm)	2.5	89	87	77-111	2
Ethylbenzene	mg/kg (ppm)	2.5	93	89	64-123	4
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	97	93	69-135	4
m,p-Xylene	mg/kg (ppm)	5	93	90	78-122	3
o-Xylene	mg/kg (ppm)	2.5	94	92	77-124	2
Styrene	mg/kg (ppm)	2.5	95	92	74-126	3
Isopropylbenzene	mg/kg (ppm)	2.5	96	92	76-127	4
Bromoform	mg/kg (ppm)	2.5	108	98	56-132	10
n-Propylbenzene	mg/kg (ppm)	2.5	95	91	74-124	4
Bromobenzene	mg/kg (ppm)	2.5	92	89	72-122	3
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	95	91	76-126	4
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	93	89	56-143	4
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	91	88	61-137	3
2-Chlorotoluene	mg/kg (ppm)	2.5	95	90	74-121	5
4-Chlorotoluene	mg/kg (ppm)	2.5	95	90	75-122	5
tert-Butylbenzene	mg/kg (ppm)	2.5	95	93	73-130	2
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	94	91	76-125	3
sec-Butylbenzene	mg/kg (ppm)	2.5	95	92	71-130	3
p-Isopropyltoluene	mg/kg (ppm)	2.5	97	95	70-132	2
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	94	90	75-121	4
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	92	89	74-117	3
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	94	91	76-121	3
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	103	98	62-137	5
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	106	103	70-129	3
Hexachlorobutadiene	mg/kg (ppm)	2.5	92	91	50-153	1
Naphthalene	mg/kg (ppm)	2.5	103	99	60-125	4
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	104	102	62-130	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

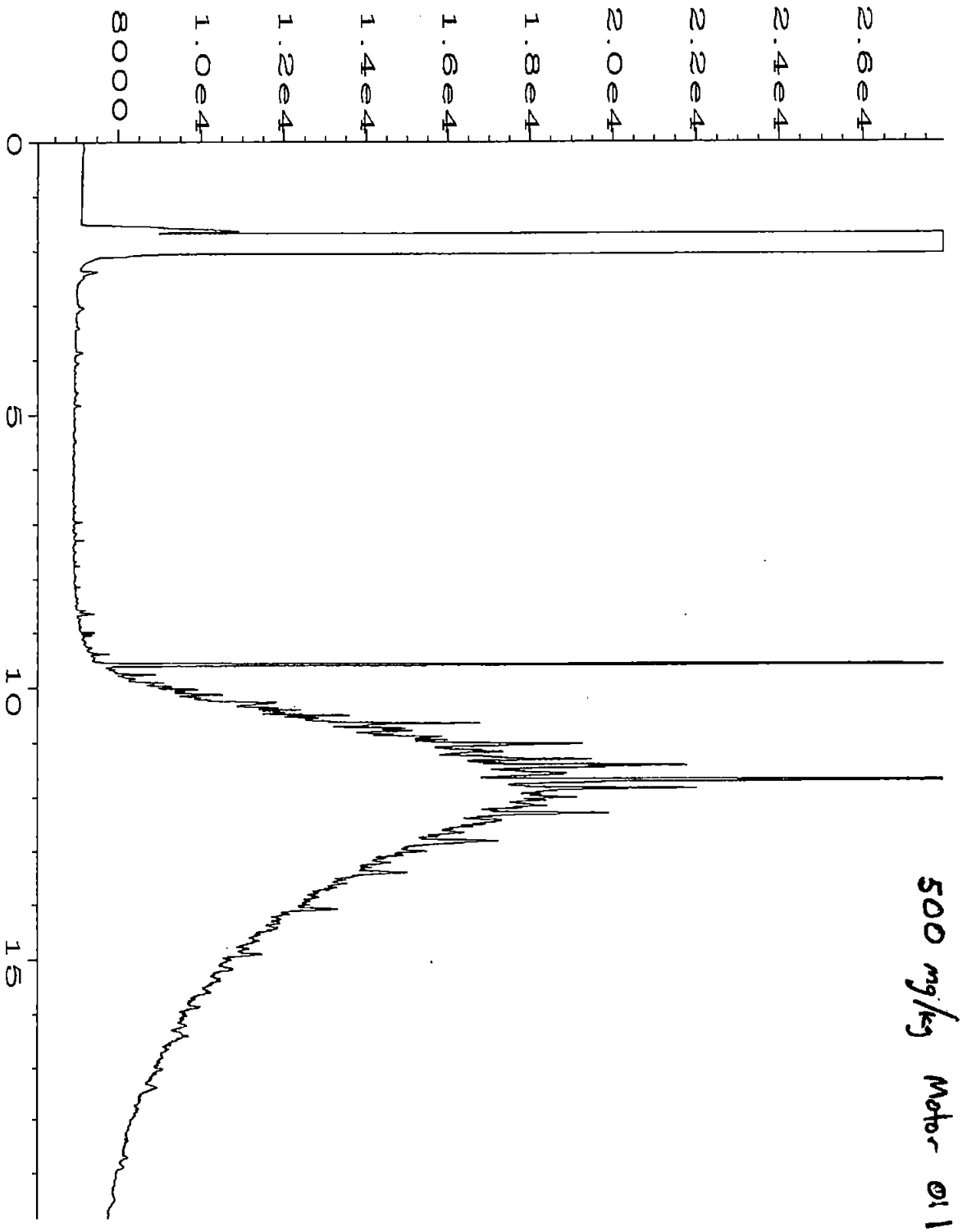
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

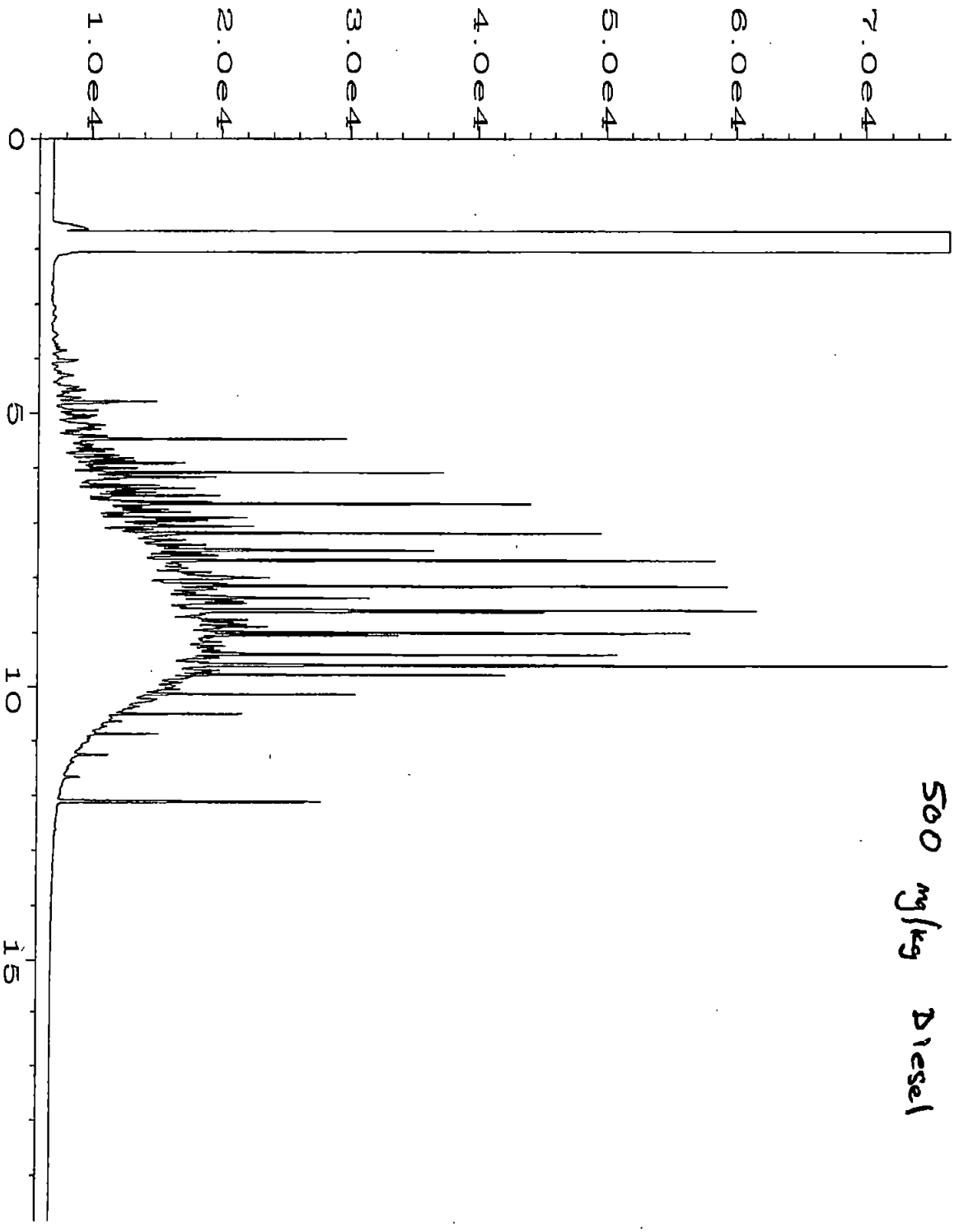
ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

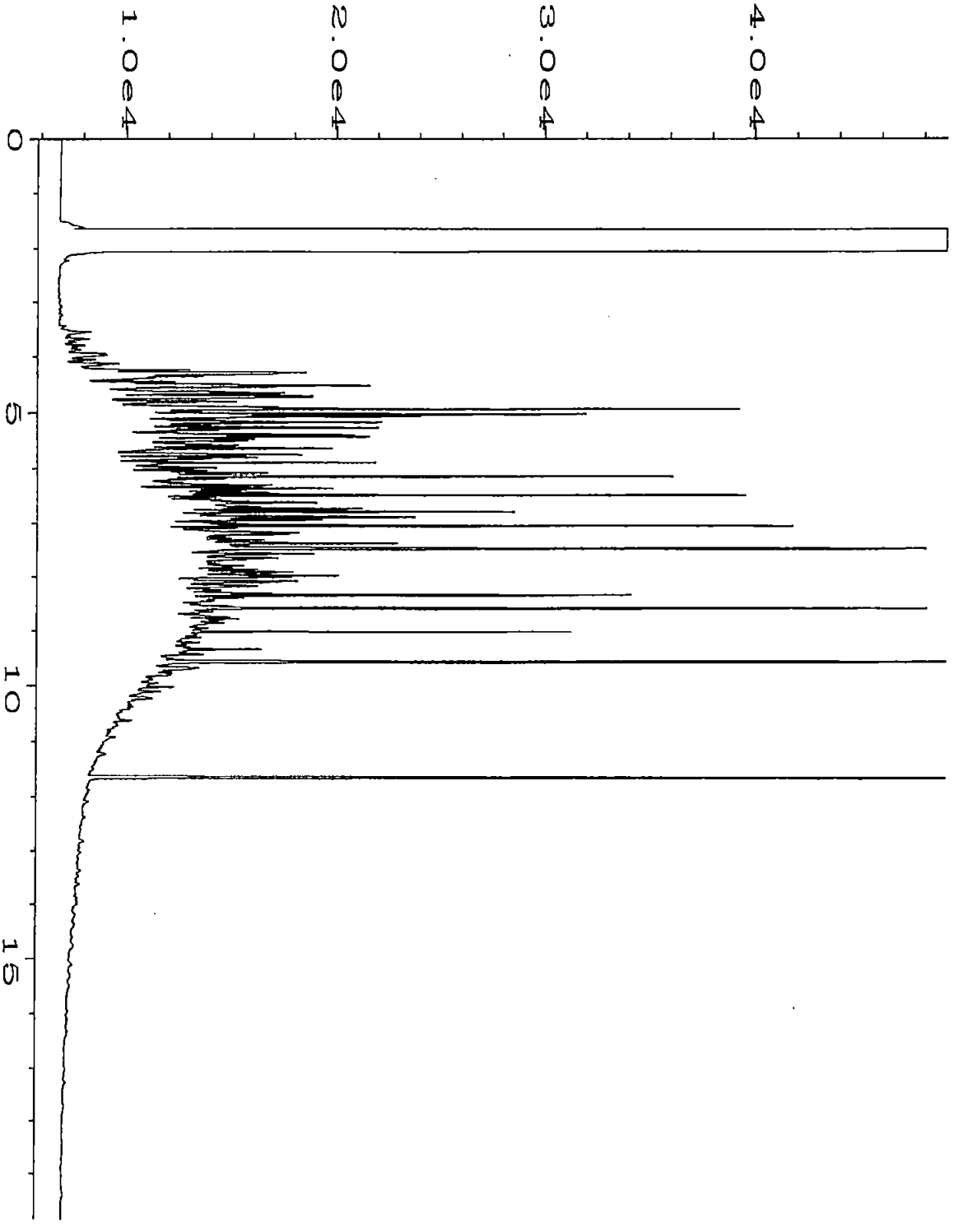
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name	: C:\HPCHEM\1\DATA\02-07-11\002F0201.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 2
Sample Name	: 500 MO 33-38E	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 2
Acquired on	: 07 Feb 11 07:54 AM	Instrument Method	: TPHD.MTH
Report Created on	: 08 Feb 11 09:43 AM	Analysis Method	: TPHD.MTH



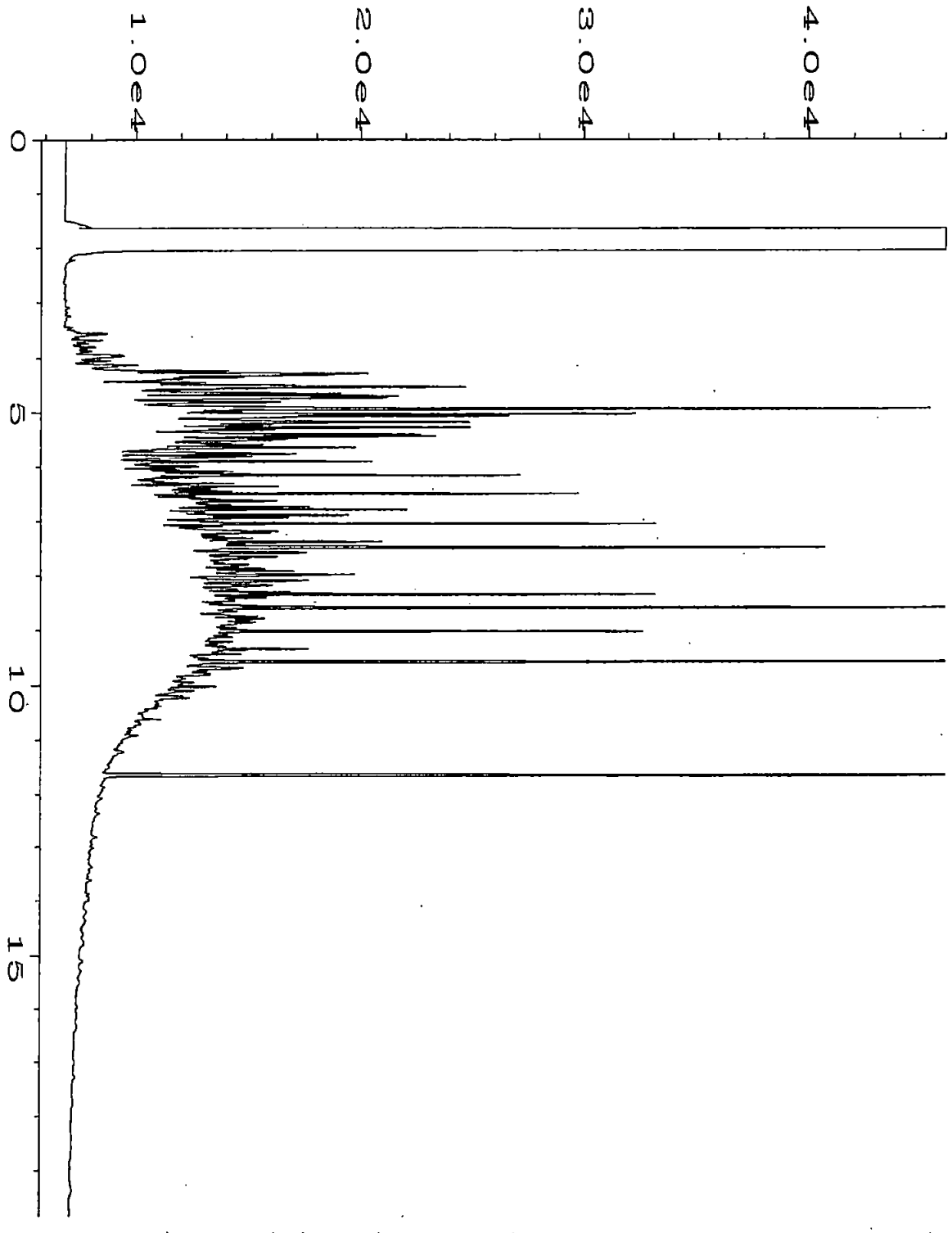
Data File Name	: C:\HPCHEM\1\DATA\02-07-11\003F0201.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 3
Sample Name	: 500 WADF 32-197D	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 2
Acquired on	: 07 Feb 11 08:20 AM	Instrument Method	: TPHD.MTH
Report Created on:	08 Feb 11 09:43 AM	Analysis Method	: TPHD.MTH



Data File Name : C:\HPCHEM\1\DATA\02-07-11\020F0501.D
Operator : ML
Instrument : GC1
Sample Name : 102081-01
Run Time Bar Code:
Acquired on : 07 Feb 11 07:10 PM
Report Created on: 08 Feb 11 09:18 AM

Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 5
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

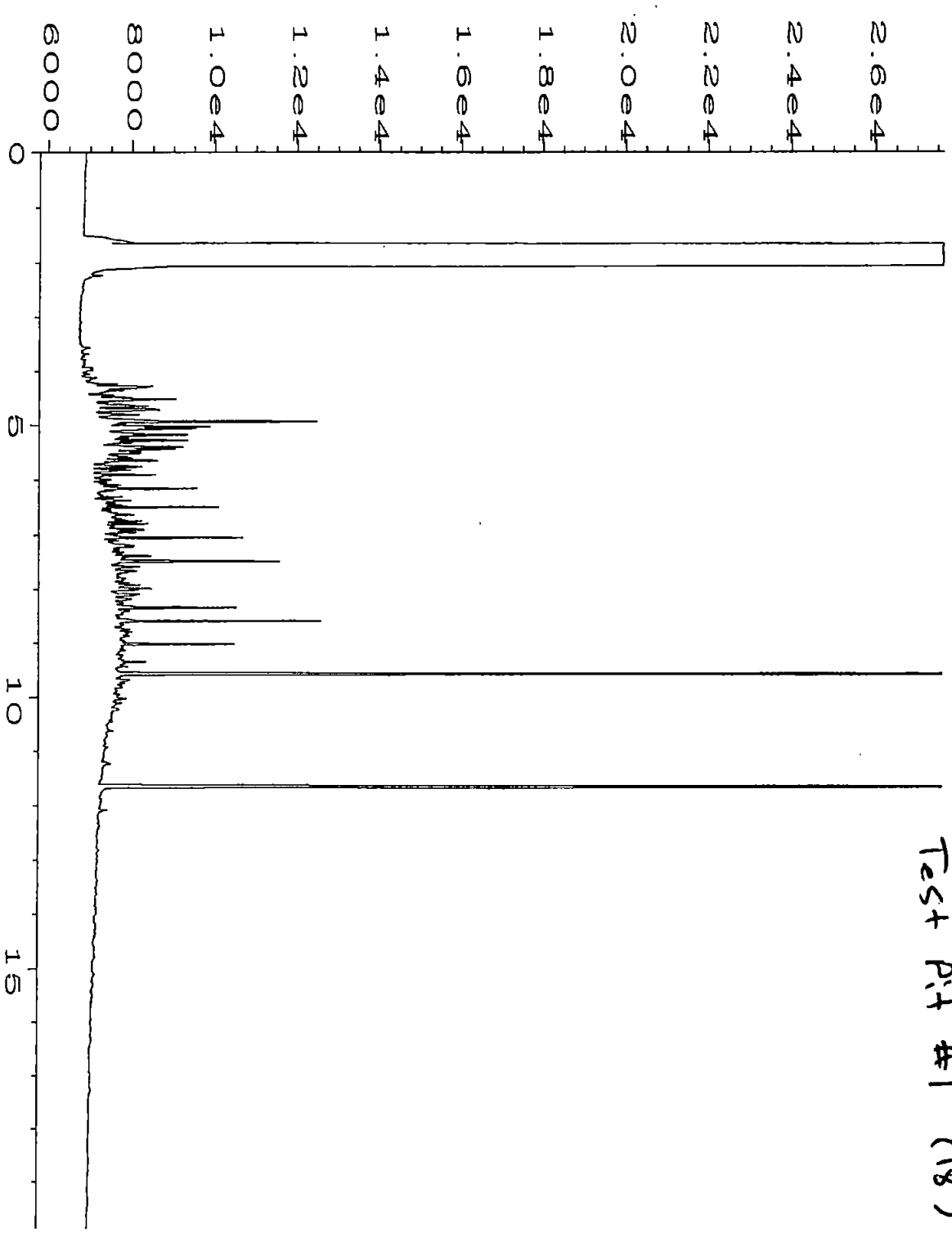
TrSA Pit #1 (9')



Test Pit #1 (12')

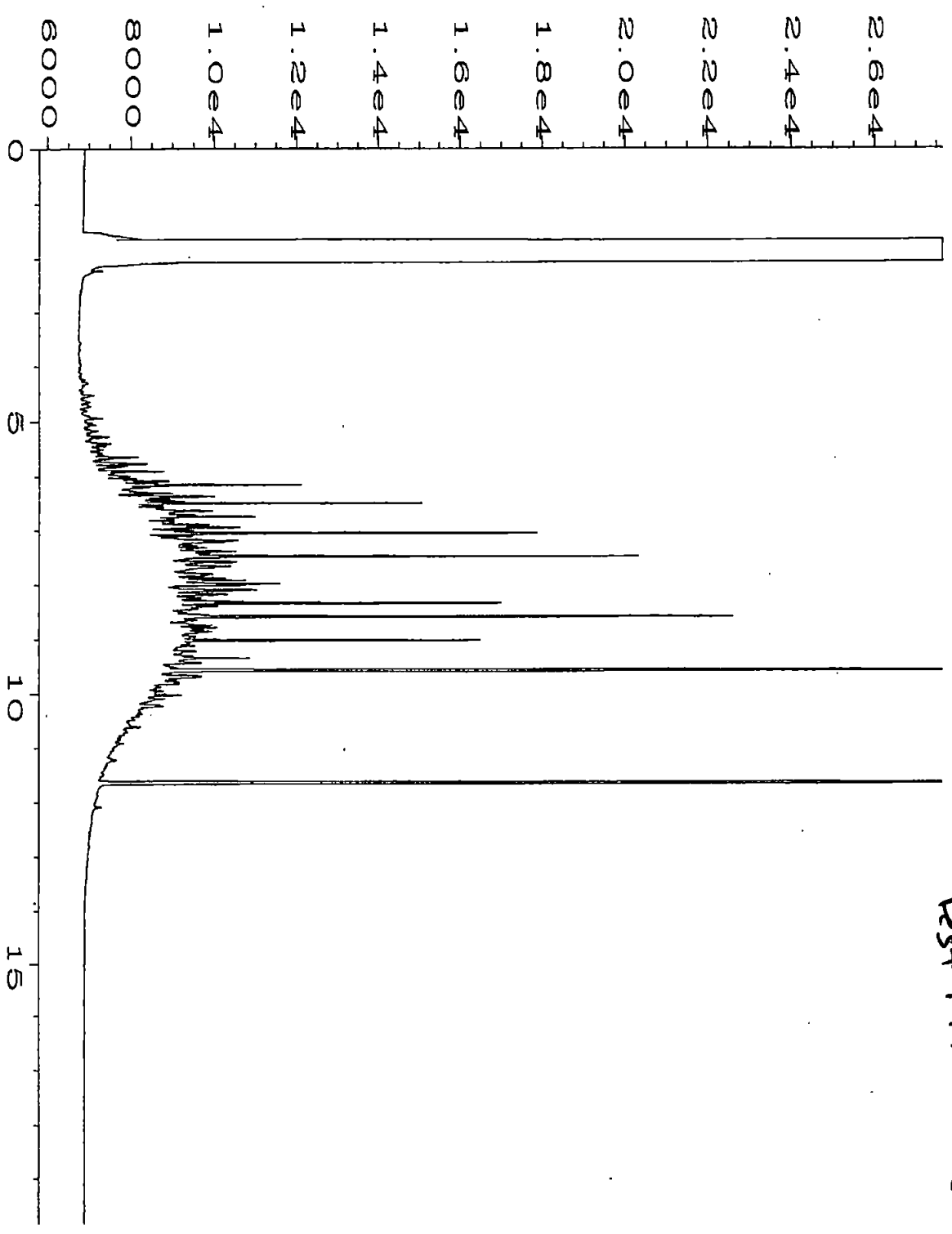
Data File Name : C:\HPCHEM\1\DATA\02-07-11\021F0501.D
Operator : ML
Instrument : GC1
Sample Name : 102081-02
Run Time Bar Code:
Acquired on : 07 Feb 11 07:36 PM
Report Created on: 08 Feb 11 09:18 AM

Page Number : 1
Vial Number : 21
Injection Number : 1
Sequence Line : 5
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\1\DATA\02-07-11\022F0501.D
Operator : ML
Instrument : GC1
Sample Name : 102081-03
Run Time Bar Code:
Acquired on : 07 Feb 11 08:03 PM
Report Created on: 08 Feb 11 09:39 AM

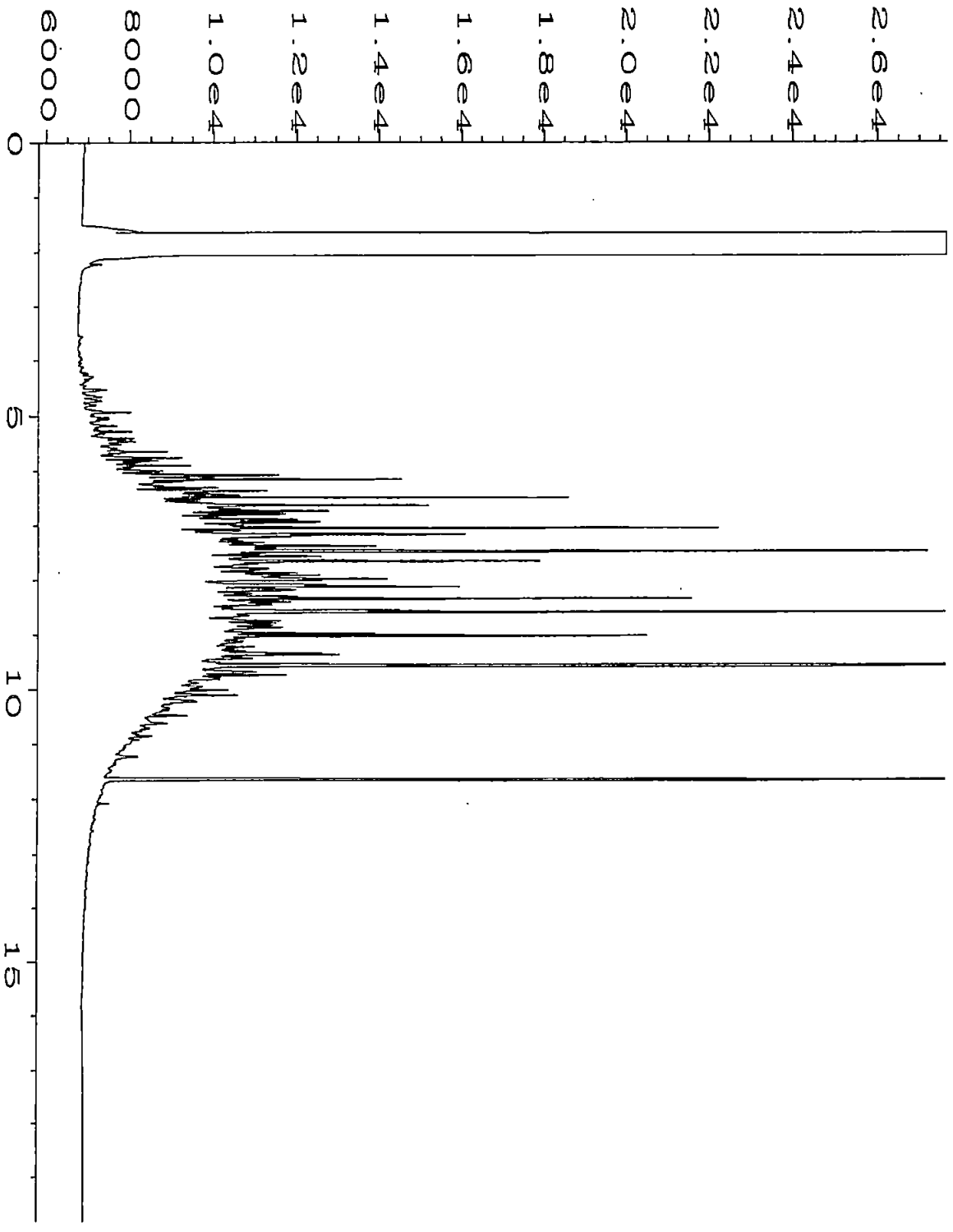
Page Number : 1
Vial Number : 22
Injection Number : 1
Sequence Line : 5
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Test Pit #2 (4')

Data File Name : C:\HPCHEM\1\DATA\02-07-11\024F0501.D
Operator : ML
Instrument : GC1
Sample Name : 102081-05
Run Time Bar Code:
Acquired on : 07 Feb 11 08:56 PM
Report Created on: 08 Feb 11 09:39 AM

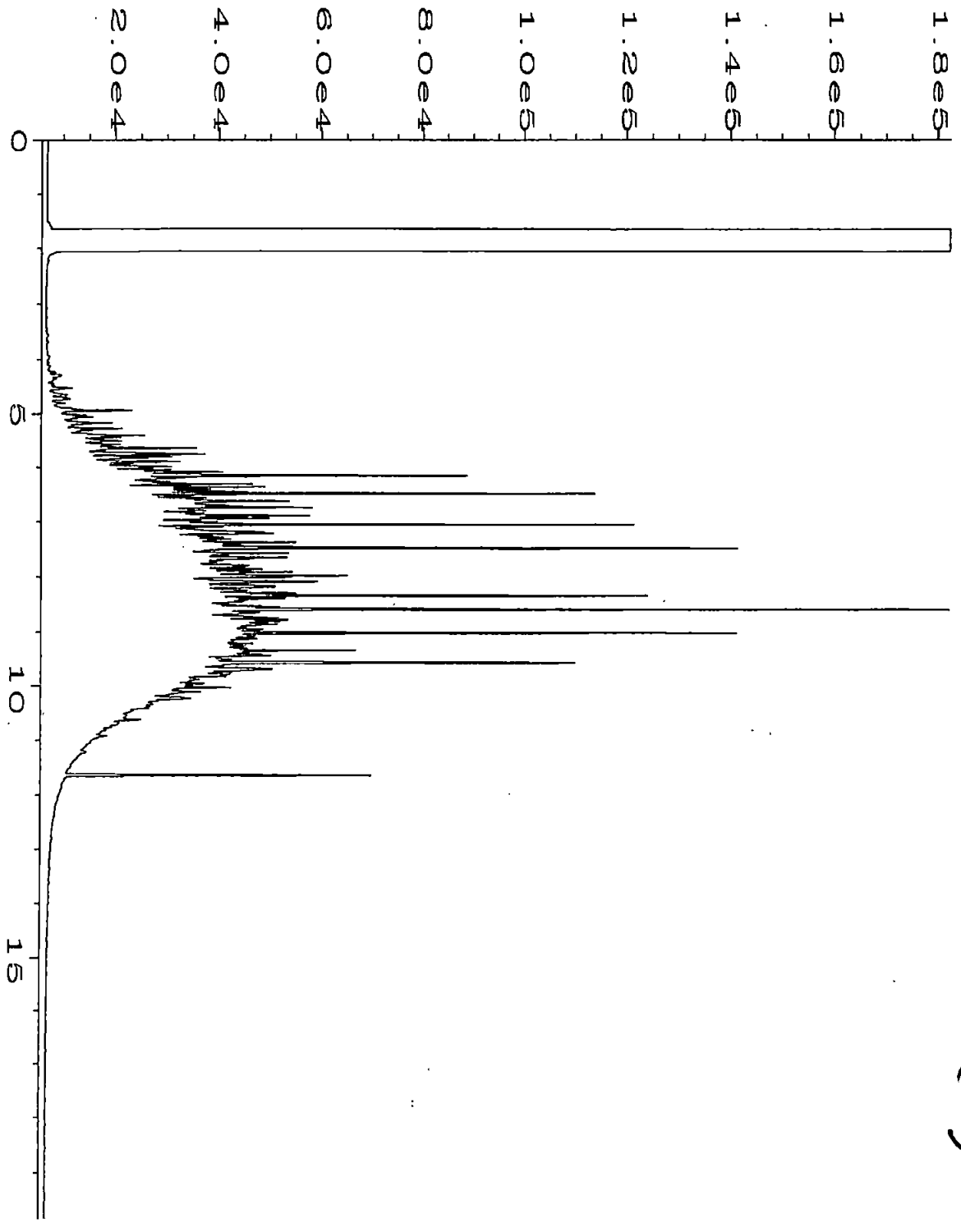
Page Number : 1
Vial Number : 24
Injection Number : 1
Sequence Line : 5
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Test Pit #2 (18')

Data File Name : C:\HPCHEM\1\DATA\02-07-11\025F0501.D
Operator : ML
Instrument : GC1
Sample Name : 102081-06
Run Time Bar Code:
Acquired on : 07 Feb 11 09:23 PM
Report Created on: 08 Feb 11 09:39 AM

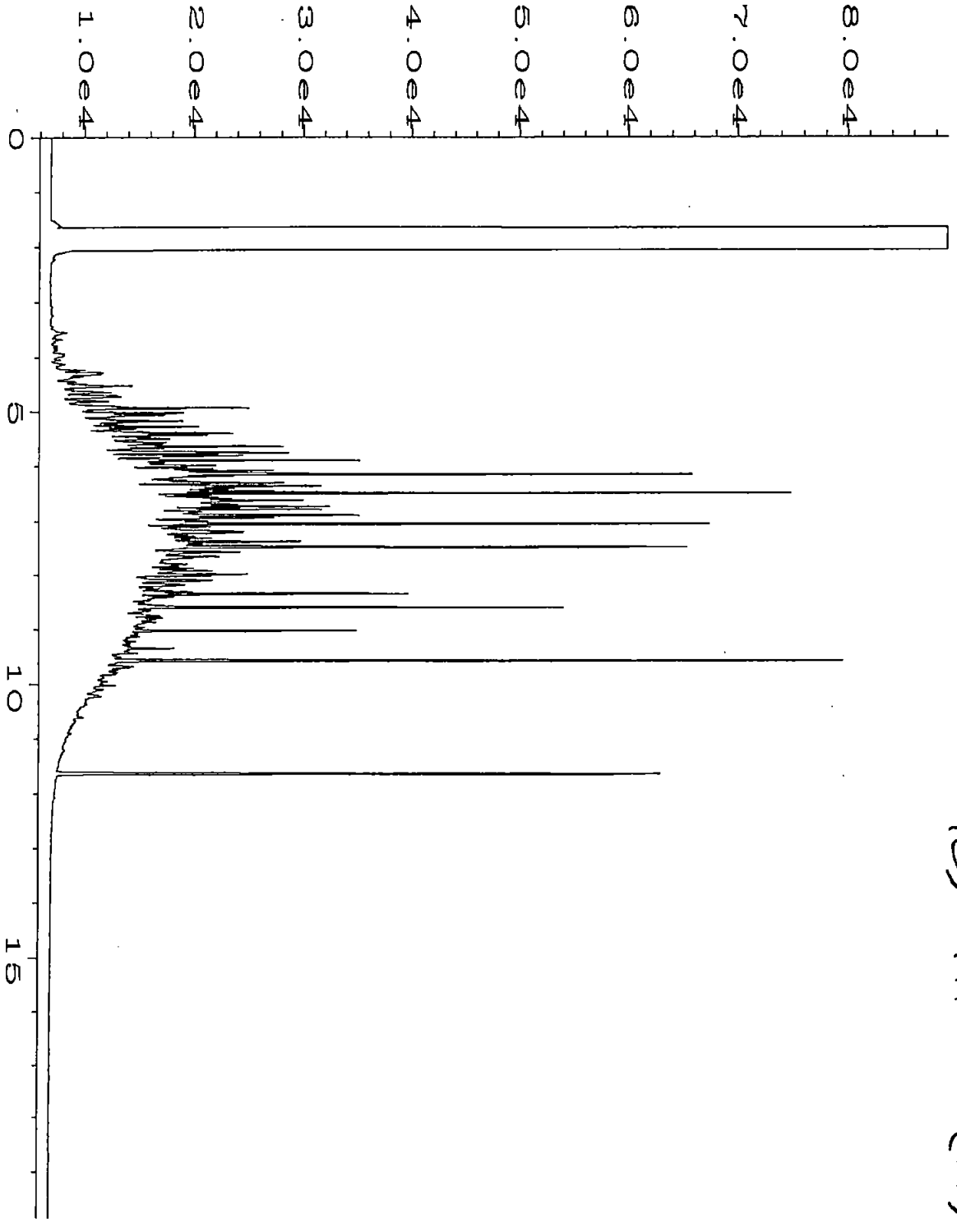
Page Number : 1
Vial Number : 25
Injection Number : 1
Sequence Line : 5
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Test Pit #5 (7')

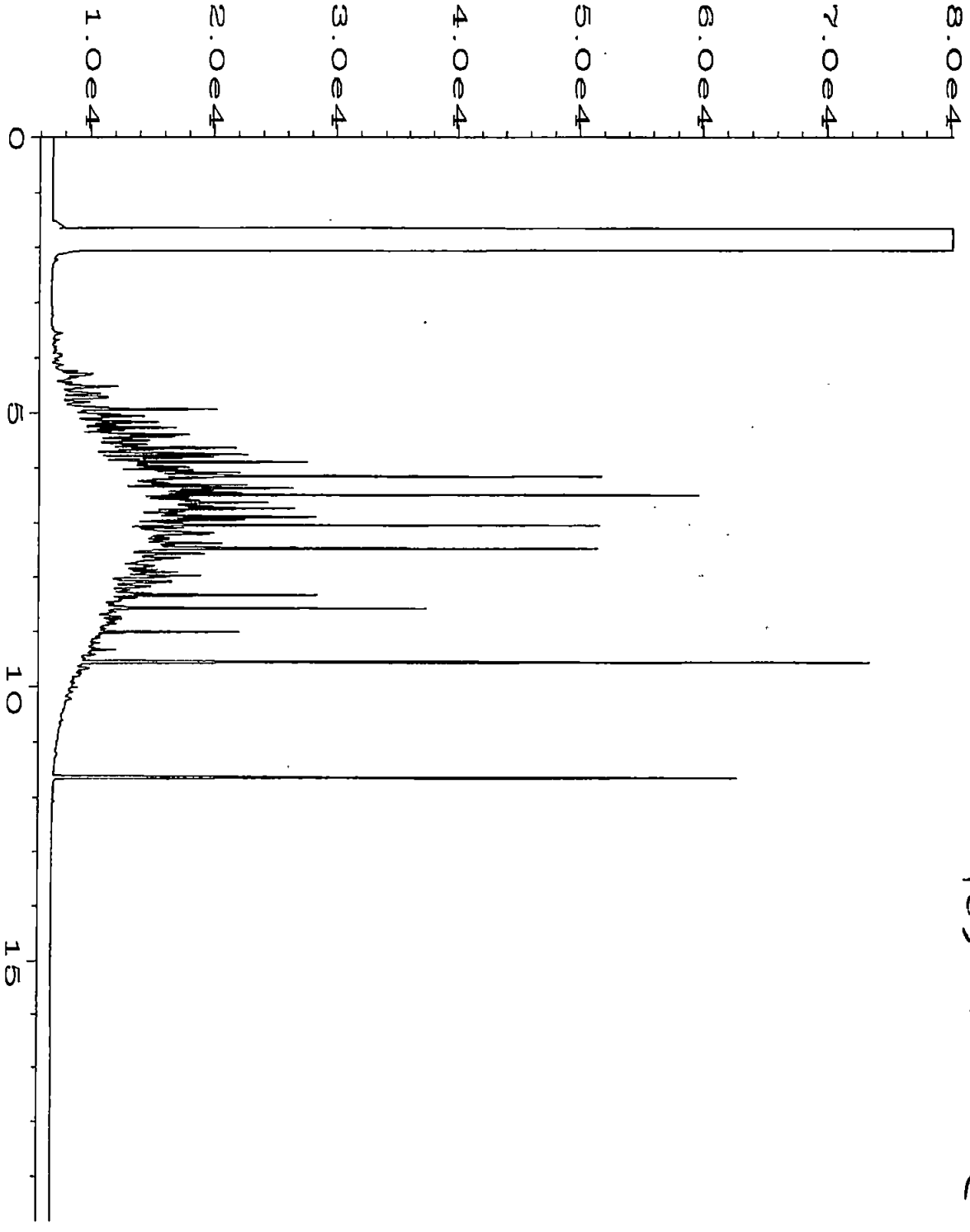
Data File Name : C:\HPCHEM\1\DATA\02-07-11\030F0701.D
Operator : ML
Instrument : GC1
Sample Name : 102081-11
Run Time Bar Code:
Acquired on : 08 Feb 11 00:30 AM
Report Created on: 08 Feb 11 09:18 AM

Page Number : 1
Vial Number : 30
Injection Number : 1
Sequence Line : 7
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Test Pit #5 (F)

Data File Name	: C:\HPCHEM\1\DATA\02-07-11\031F0701.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 31
Sample Name	: 102081-12	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
Acquired on	: 08 Feb 11 00:57 AM	Instrument Method	: TPHD.MTH
Report Created on	: 08 Feb 11 09:40 AM	Analysis Method	: TPHD.MTH



Test Pit #5 (19.5')

Data File Name	: C:\HPCHEM\1\DATA\02-07-11\032F0701.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 32
Sample Name	: 102081-13	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
Acquired on	: 08 Feb 11 01:24 AM	Instrument Method	: TPHD.MTH
Report Created on	: 08 Feb 11 09:40 AM	Analysis Method	: TPHD.MTH

102081

SAMPLE CHAIN OF CUSTODY

ME 02/07/11 VS2/C03

Page # 1 of 2

Send Report To Greg McCormick
Company EPI
Address 395 NE Gilman Blvd #201
City, State, ZIP Issaquah WA 98027
Phone #(425) 395-0026 Fax #(425) 395-0011

SAMPLERS (signature)

PROJECT NAME/NO. Aurora Rents Seattle WA

PO#

REMARKS Need Results by 10:00 AM 2/8/11 (425) 922-6392

TURNAROUND TIME
☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	VOC	MTCA 5					Notes
Test Pit #1 (9')	01 A E	2/7/11	9:45	S	5	X	X	X				✓	✓					✓-per GM 2/9/11 MC
Test Pit #1 (12')	02		9:50		5	X	X	X										
Test Pit #1 (18')	03		10:00		5	X	X	X										
Test Pit #2 (8')	04		10:15		5	X	X	X										
Test Pit #2 (14')	05		10:25		5	X	X	X										
Test Pit #2 (18')	06		10:35		5	X	X	X										
Test Pit #3 (10')	07		12:15		5	X	X	X										
Test Pit #3 (16')	08		12:30		5	X	X	X										
Test Pit #4 (10')	09		12:50		5	X	X	X										
Test Pit #4 (15')	10	↓	1:05	↓	5	X	X	X										

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Greg McCormick	EPI	2/7/11	3:35
Received by:			FqB	2/7/11	15:35
Relinquished by:					
Received by:			Samples received at	7 °C	

102081

SAMPLE CHAIN OF CUSTODY

HC 02/07/11 VS3/C03

Page # 2 of 2

Send Report To Greg McCormick
Company EPI
Address 395 NE Gilman Blvd
City, State, ZIP Issaquah, WA 98027
Phone (425) 395-0026 Fax (425) 395-0011

SAMPLERS (signature)
PROJECT NAME/NO. Aurora Rents Seattle, WA
PO#
REMARKS Need Results by 10:00AM (425) 922-6392

TURNAROUND TIME
☐ Standard (2 Weeks)
☒ RUSH
Rush charges authorized by GMC

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	VOC	MTCAS					Notes
Test Pit #5(7')	11 A-E	2/7/11	1:30 ~~2:00~~	Soil	5	X	X	X				✓	✓					
Test Pit #5 (14')	12		1:40 ~~2:15~~		5	X	X	X										
Test Pit #5 (19.5')	13		1:45		5	X	X	X										
Test Pit #6 (10')	14		2:00		5	X	X	X										
Test Pit #6 (16')	15	↓	2:15	↓	5	X	X	X										
													Samples received at: 7 °C					

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Greg McCormick	EPI	2/7/11	3:35PM
Received by:	Eric Young	EAS	2/7/11	3:35
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 10, 2010

Greg McCormick, Project Manager
Environmental Partners, Inc.
295 NE Gilman Blvd., Suite 201
Issaquah, WA 98027

RE: Aurora Rents Seattle, WA, F&BI 102094

Dear Mr. McCormick:

Included are the results from the testing of material submitted on February 8, 2010 from the Aurora Rents Seattle, WA, F&BI 102094 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
EPI0210R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 8, 2011 by Friedman & Bruya, Inc. from the Environmental Partners Aurora Rents Seattle, WA, F&BI 102094 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
102094-01	Test Pit 7 (12')
102094-02	Test Pit 7 (17')
102094-03	Test Pit 8 (10')
102094-04	Test Pit 8 (16')
102094-05	Test Pit 9 (11')
102094-06	Test Pit 9 (16')
102094-07	Test Pit 10 (11')
102094-08	Test Pit 10 (19')

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/11
Date Received: 02/08/11
Project: Aurora Rents Seattle, WA, F&BI 102094
Date Extracted: 02/08/11
Date Analyzed: 02/08/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
Test Pit 7 (12') 102094-01	<0.02	<0.02	<0.02	<0.06	6.4	96
Test Pit 7 (17') 102094-02	<0.02	<0.02	<0.02	<0.06	12	100
Test Pit 8 (10') 102094-03	<0.02	<0.02	<0.02	<0.06	<2	95
Test Pit 8 (16') 102094-04	<0.02	<0.02	<0.02	<0.06	<2	101
Test Pit 9 (11') 102094-05	<0.02	<0.02	<0.02	<0.06	<2	92
Test Pit 9 (16') 102094-06	<0.02	<0.02	<0.02	<0.06	3.3	93
Test Pit 10 (11') 102094-07	<0.02	<0.02	<0.02	<0.06	8.5	91
Test Pit 10 (19') 102094-08	<0.02	0.025	0.68	0.60	200	ip
Method Blank 01-0255 MB	<0.02	<0.02	<0.02	<0.06	<2	98

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/11
Date Received: 02/08/11
Project: Aurora Rents Seattle, WA, F&BI 102094
Date Extracted: 02/08/11
Date Analyzed: 02/09/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
Test Pit 7 (12') 102094-01	150	<250	98
Test Pit 7 (17') 102094-02	78	<250	98
Test Pit 8 (10') 102094-03	<50	<250	96
Test Pit 8 (16') 102094-04	<50	<250	98
Test Pit 9 (11') 102094-05	<50	<250	97
Test Pit 9 (16') 102094-06	<50	<250	98
Test Pit 10 (11') 102094-07	800	<250	98
Test Pit 10 (19') 102094-08	1,500	<250	97
Method Blank 01-0256 MB	<50	<250	95

Date of Report: 02/10/11
Date Received: 02/08/11
Project: Aurora Rents Seattle, WA, F&BI 102094

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 102094-05 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	8.1	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	88	66-121
Toluene	mg/kg (ppm)	0.5	86	72-128
Ethylbenzene	mg/kg (ppm)	0.5	86	69-132
Xylenes	mg/kg (ppm)	1.5	87	69-131
Gasoline	mg/kg (ppm)	20	75	61-153

Date of Report: 02/10/11
Date Received: 02/08/11
Project: Aurora Rents Seattle, WA, F&BI 102094

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 102094-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	95	96	64-133	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	96	58-147

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

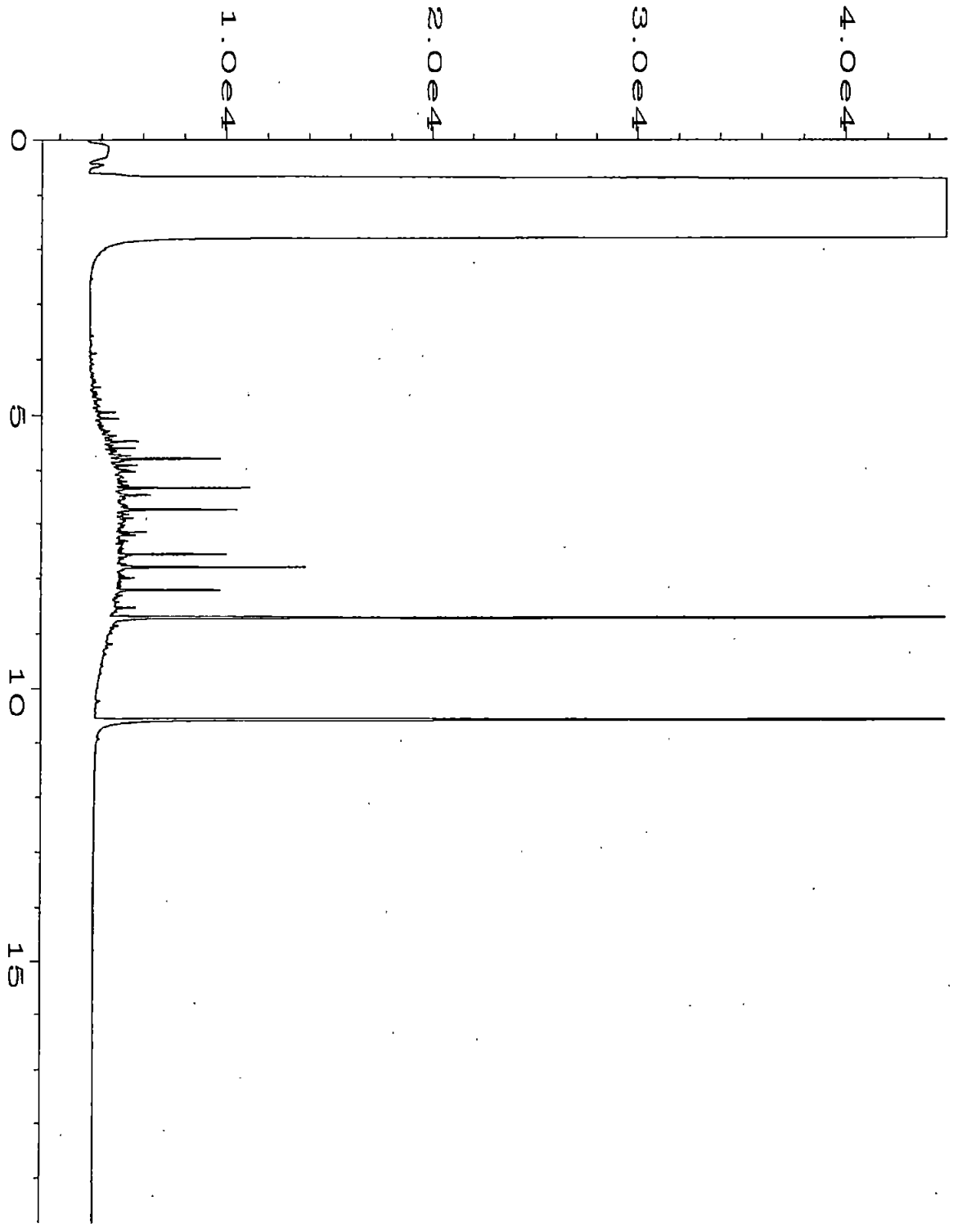
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

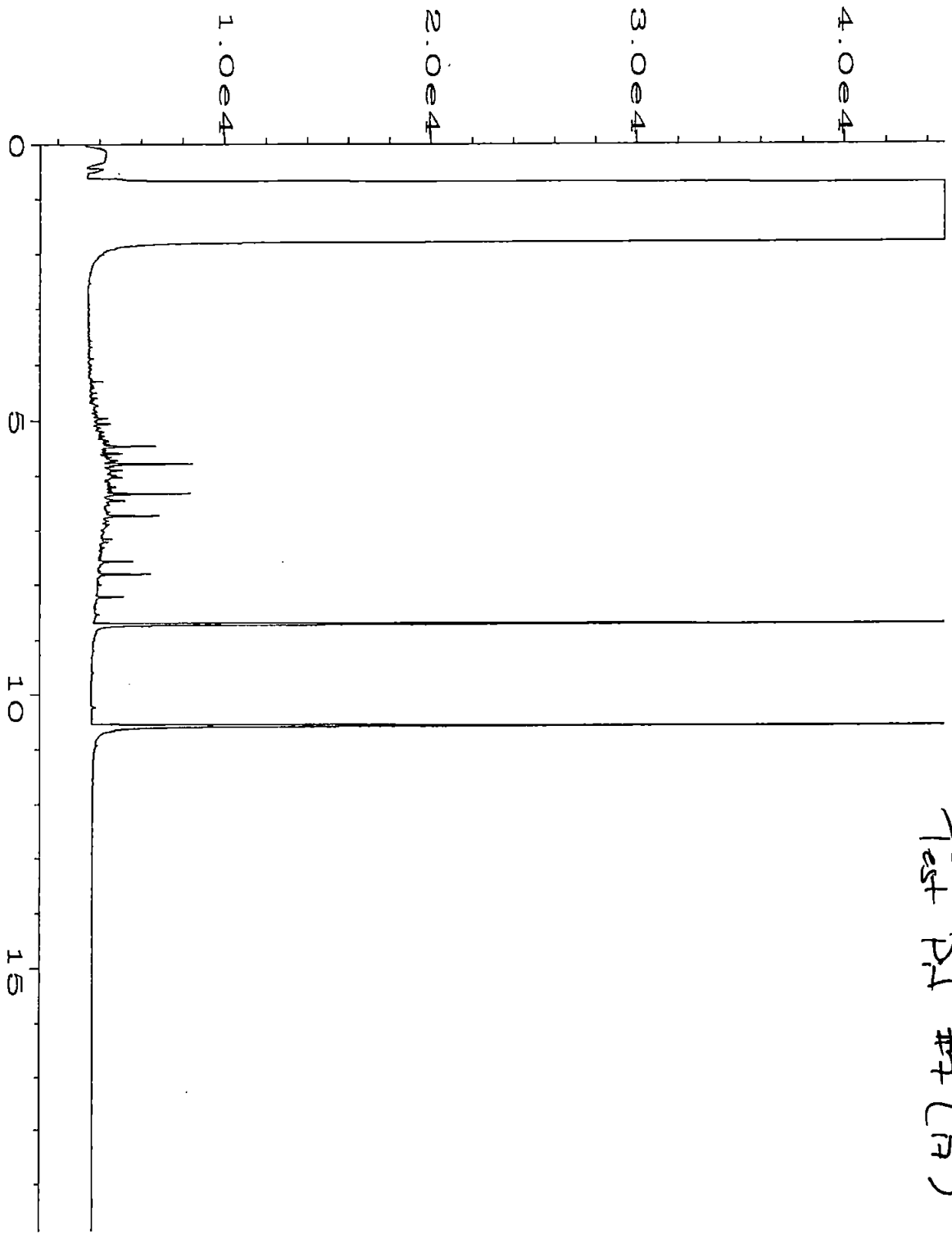
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Test Pit #7 (2')

Data File Name : C:\HPCHEM\6\DATA\02-08-11\021F0701.D
Operator : ML
Instrument : GC #6
Sample Name : 102094-01
Run Time Bar Code:
Acquired on : 09 Feb 11 00:02 AM
Report Created on: 09 Feb 11 08:16 AM

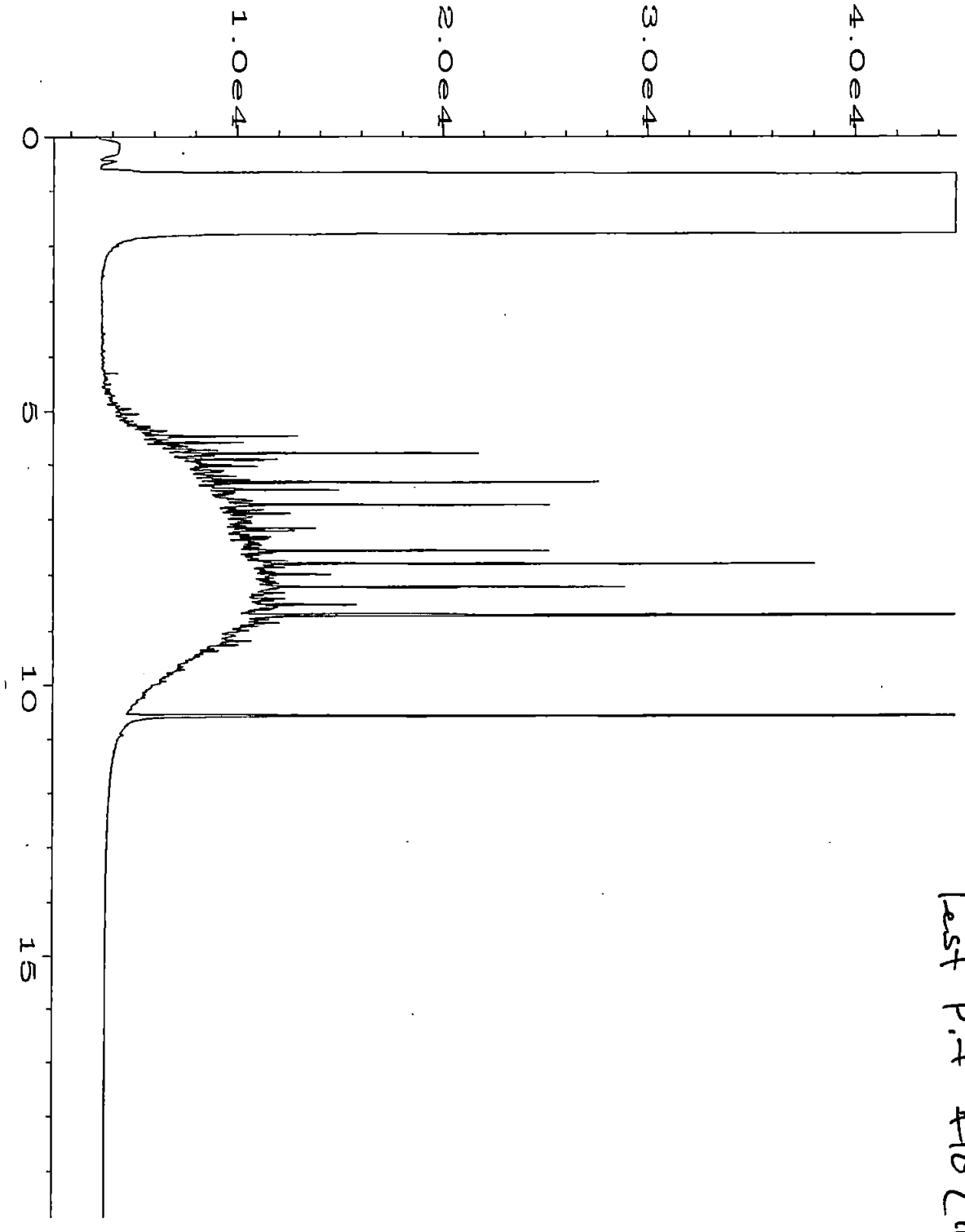
Page Number : 1
Vial Number : 21
Injection Number : 1
Sequence Line : 7
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Test Pit #4 (TP)

Data File Name : C:\HPCHEM\6\DATA\02-08-11\022F0701.D
Operator : ML
Instrument : GC #6
Sample Name : 102094-02
Run Time Bar Code:
Acquired on : 09 Feb 11 00:27 AM
Report Created on: 09 Feb 11 08:16 AM

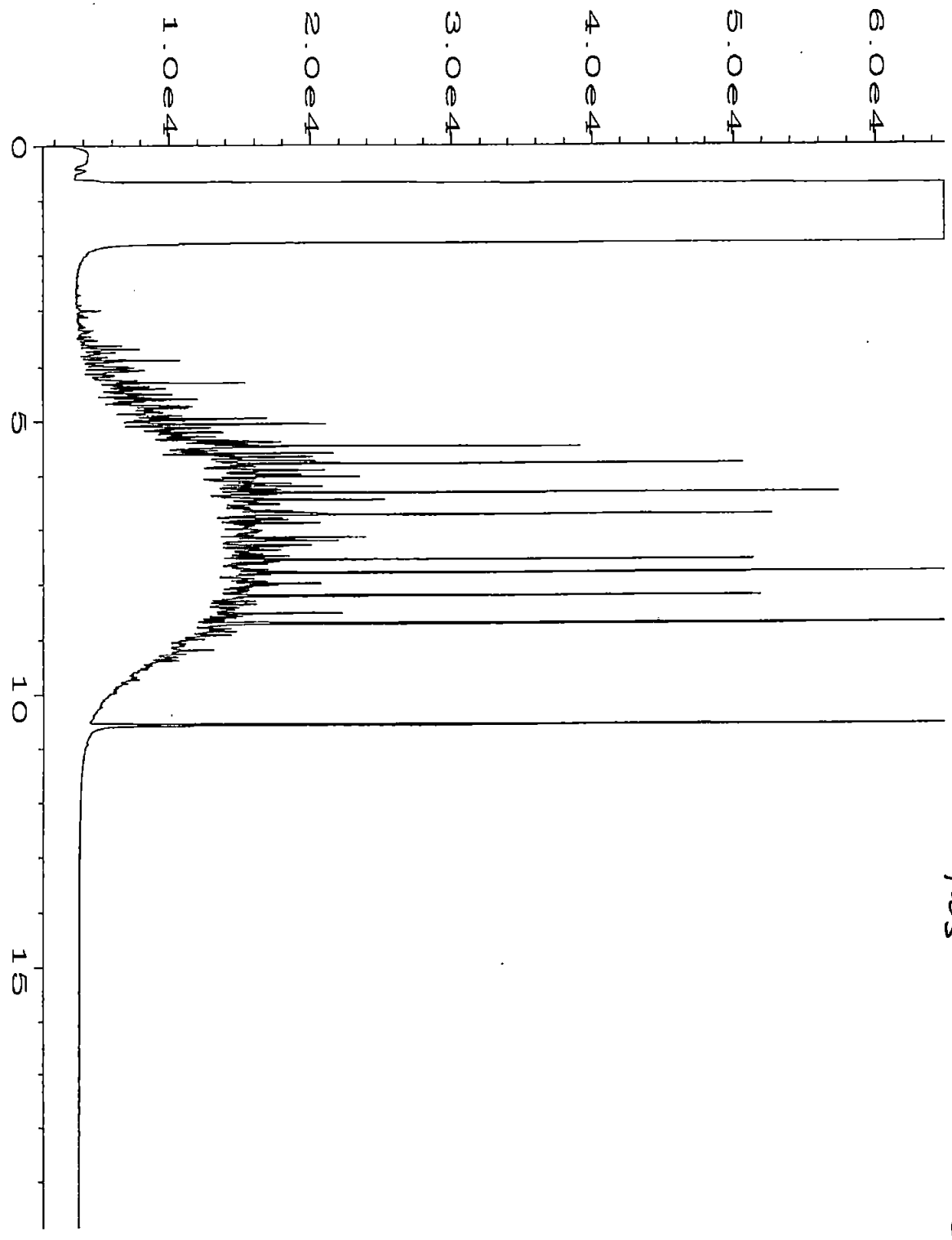
Page Number : 1
Vial Number : 22
Injection Number : 1
Sequence Line : 7
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Test Pit #10 (4')

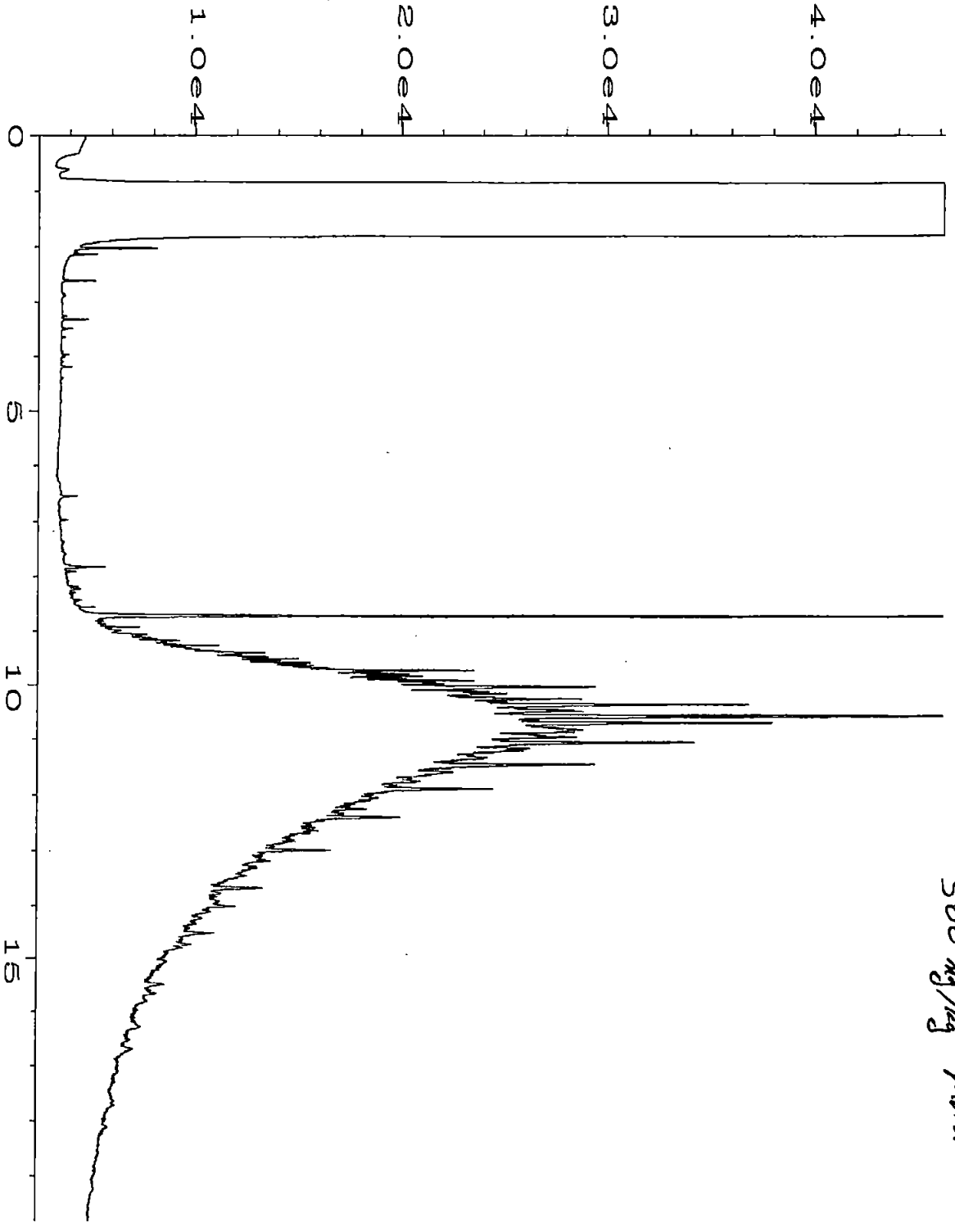
Data File Name : C:\HPCHEM\6\DATA\02-08-11\027F0701.D
Operator : ML
Instrument : GC #6
Sample Name : 102094-07
Run Time Bar Code:
Acquired on : 09 Feb 11 02:33 AM
Report Created on: 09 Feb 11 08:16 AM

Page Number : 1
Vial Number : 27
Injection Number : 1
Sequence Line : 7
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



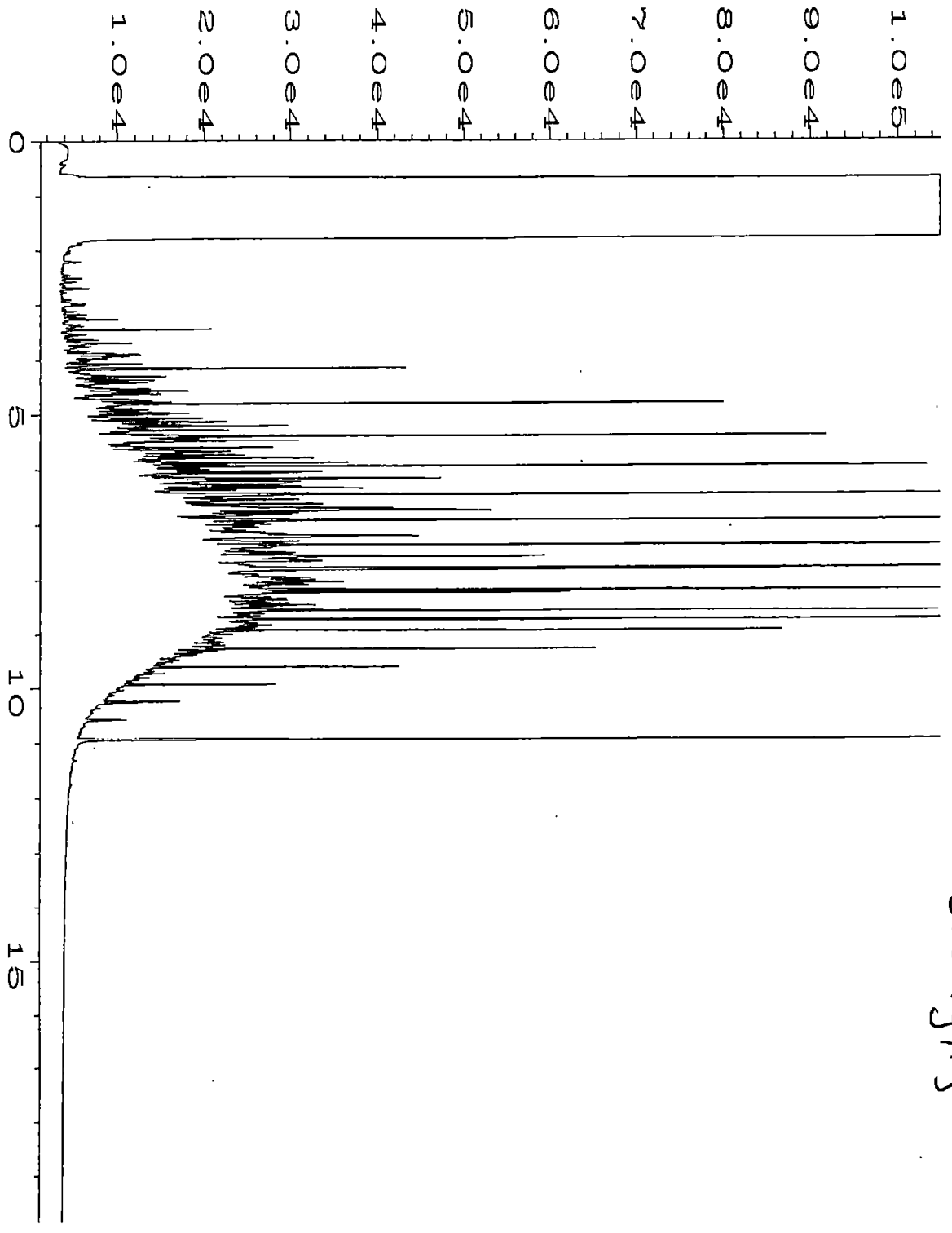
Test Pit #10 (a')

Data File Name	: C:\HPCHEM\6\DATA\02-08-11\028F0701.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 28
Sample Name	: 102094-08	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
Acquired on	: 09 Feb 11 02:58 AM	Instrument Method	: TPHD.MTH
Report Created on	: 09 Feb 11 08:16 AM	Analysis Method	: TPHD.MTH



Data File Name : C:\HPCHEM\6\DATA\02-08-11\002F0201.D
Operator : ML
Instrument : GC #6
Sample Name : 500 MO 33-38E
Run Time Bar Code:
Acquired on : 08 Feb 11 06:27 AM
Report Created on: 09 Feb 11 08:17 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 2
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



500 mg/kg Diesel

Data File Name : C:\HPCHEM\6\DATA\02-08-11\003F0201.D
Operator : ML
Instrument : GC #6
Sample Name : 500 WADF 32-197D
Run Time Bar Code:
Acquired on : 08 Feb 11 06:53 AM
Report Created on: 09 Feb 11 08:17 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 2
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

102094

SAMPLE CHAIN OF CUSTODY ME 2/8/11 C03/VS2

Send Report To Greg McCormick

Company Environmental Partners, Inc.

Address 295 NE Gilman Blvd.

City, State, ZIP Issaquah, WA 98027

Phone # (425) 395-0010 Fax # (425) 395-0011

SAMPLERS (signature) [signature]

PROJECT ID/ADDRESS Aurora Rents Property Seattle, WA

JOB #

SITE NAME Aurora Rents

REMARKS

PAGE # 1 OF 1

TURNAROUND TIME

- ☐ Standard
- ☒ RUSH Wed AM

Rush charges authorized by: GMC

SAMPLE DISPOSAL

- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	LAB ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: 8015 - GRO	8015 - DRO	BTEX by 8021B	BTEX by 602	VOC by 8260C	VOC by 524					Notes
Test Pit #7 (12')	01A-E	2/8/11	10:20	S	5	X	X	X								
Test Pit #7 (17')	02A-E		10:20		5	X	X	X								
Test Pit #8 (10')	03A-E		11:30		5	X	X	X								
Test Pit #8 (16')	04A-E		12:00		5	X	X	X								
Test Pit #9 (11')	05A-E		12:30		5	X	X	X								
Test Pit #9 (16')	06A-E		1:15		5	X	X	X								
Test Pit #10 (11')	07A-E		3:00		5	X	X	X								
Test Pit #10 (19')	08A-E	↓	3:15	↓	5	X	X	X								

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [signature]	Greg McCormick	EPI	2/8/11	4:00
Received by: [signature]	HONG NGUYEN	FBI	〃	〃
Relinquished by:				
Received by:				

Samples received at 6 °C

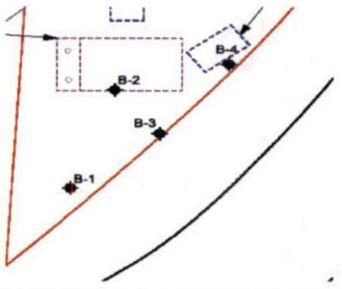
Attachment B
Soil Boring Logs

ENVIRONMENTAL PARTNERS INC

Boring/Well Designation: B-1

Client: Larry Steele
Logged By: G. McCormick
Date of Drilling: 2/15/11
Site Address: 17230 Aurora Ave N, Shoreline, WA
Drilling Contractor: Cascade Drilling
Method: Hollow Stem Auger
Drill Rig: CME 75
Borehole: 8.25"

Site Representation:



Depth	SUBSURFACE PROFILE: Log	USCS Code	DESCRIPTION	SAMPLE: Interval	Recovery	Blows per 6"	Sample	PID (ppm)	Sheen	Comments
0			Ground Surface							
0–9		SM	***Silty Sand*** Brown, dry, medium dense, mostly fine sand with silt and little gravel, no odor					0.0		
10			***Silty Sand*** Grey, moist, hard, mostly fine sand with silt and few to little gravel and cobbles, strong odor				B-1:10'	210		
10–19		SM					B-1:15'	215		
20			***Poorly Graded Sand*** Grey, moist, hard, mostly medium sand with few gravel and cobbles, slight odor at 20'				B-1:20'	70		
20–25		SM						40		No recovery at 25'
25–29			No odor at 30'				B-1:30'			Sample is wet No ground water at completion
30			End of Borehole					0.0		

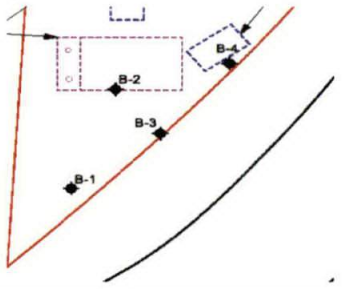
Project No.: 61301.0

ENVIRONMENTAL PARTNERS INC

Boring/Well Designation: B-2

Client: Larry Steele
Logged By: G. McCormick
Date of Drilling: 2/15/11
Site Address: 17230 Aurora Ave N, Shoreline, WA
Drilling Contractor: Cascade Drilling
Method: Hollow Stem Auger
Drill Rig: CME 75
Borehole: 8.25"

Site Representation:



Depth	SUBSURFACE PROFILE: Log	USCS Code	DESCRIPTION	SAMPLE: Interval	Recovery	Blows per 6"	Sample	PID (ppm)	Sheen	Comments
0			Ground Surface							
0–9			***Previously excavated material to 9'***							
9–30		SM	***Poorly Graded Silty Sand*** Grey, moist, hard, mostly fine sand with silt and few gravel and few cobbles, no odor					0		
14							B-2:14'			
15								0		
20							B-2:19'	0		
22–30		SM	***Poorly Graded Sand*** Grey to tan, moist, hard, mostly medium sand with little gravel and cobbles, no odor							
24							B-2:24'			
25								0		
29							B-2:29'			No ground water at completion
30			End of Borehole					0		

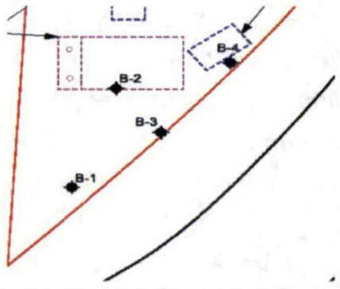
Project No.: 61301.0

ENVIRONMENTAL PARTNERS INC

Boring/Well Designation: B-3

Client: Larry Steele
Logged By: G. McCormick
Date of Drilling: 2/16/11
Site Address: 17230 Aurora Ave N, Shoreline, WA
Drilling Contractor: Cascade Drilling
Method: Hollow Stem Auger
Drill Rig: CME 75
Borehole: 8.25"

Site Representation:



Depth	SUBSURFACE PROFILE: Log	USCS Code	DESCRIPTION	SAMPLE: Interval	Recovery	Blows per 6"	Sample	PID (ppm)	Sheen	Comments
0			Ground Surface							
1–9			***Previously excavated material to 9'***							
10–24		SM	***Poorly Graded Silty Sand*** Blue/grey, moist, hard, mostly fine sand with silt and few cobbles, odor to 16', odor less at 21'				B-3:20'	170 60 34		
25–35		SP	***Poorly Graded Sand*** Grey, moist, hard, mostly medium sand with increasing gravel and few cobbles, no odor				B-3:25' B-3:30'	4 0		Sample is wet
36–50		SP	***Poorly Graded Sand*** Grey, moist, hard, mostly medium sand and some cobbles, no odor				B-3:35' B-3:40' B-3:45' B-3:50'	0 0 0 0		No ground water at completion
51			End of Borehole							

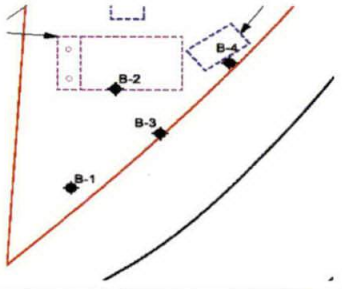
Project No.: 61301.0

ENVIRONMENTAL PARTNERS INC

Boring/Well Designation: B-4

Client: Larry Steele
Logged By: G. McCormick
Date of Drilling: 2/16/11
Site Address: 17230 Aurora Ave N, Shoreline, WA
Drilling Contractor: Cascade Drilling
Method: Hollow Stem Auger
Drill Rig: CME 75
Borehole: 8.25"

Site Representation:



Depth	SUBSURFACE PROFILE: Log	USCS Code	DESCRIPTION	SAMPLE: Interval	Recovery	Blows per 6"	Sample	PID (ppm)	Sheen	Comments
0			Ground Surface							
0–9			***Previously excavated material to 9'***							
9–38		SM	***Silty Sand*** Grey, moist, medium dense, mostly fine sand with silt and few gravel, strong odor at 12' to 15'							Odor at 10'
							B-4:15'	160		
								140		
							B-4:20'			
								12		
22–33		SM	***Silty Sand*** Grey, moist, hard, mostly fine sand with coarse gravel and few cobbles, no odor at 25'				B-4:25'	16		
							B-4:30'			
								0		
33–38		SM-SW	***Silty Sand*** Light grey to tan, moist/wet, hard, mostly fine sand and few cobbles, no odor				B-4:35'	0		No ground water at completion
38			End of Borehole							

Project No.: 61301.0

Attachment C
Soil Boring Analytical Reports

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 22, 2011

Greg McCormick, Project Manager
Environmental Partners, Inc.
295 NE Gilman Blvd., Suite 201
Issaquah, WA 98027

RE: Aurora Super Rents Seattle, WA, F&BI 102166

Dear Mr. McCormick:

Included are the results from the testing of material submitted on February 15, 2011 from the Aurora Super Rents Seattle, WA, F&BI 102166 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
EPI0222R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 15, 2011 by Friedman & Bruya, Inc. from the Environmental Partners Aurora Super Rents Seattle, WA, F&BI 102166 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
102166-01	B-1 (10')
102166-02	B-1 (15')
102166-03	B-1 (20')
102166-04	B-1 (30')
102166-05	B-2 (14')
102166-06	B-2 (19')
102166-07	B-2 (24')
102166-08	B-2 (29')

Samples B-1 (10'), B-1 (15'), and B-1 (20') were sent to Fremont for VPH analysis. In addition, samples B-1 (15') and B-1 (20') were sent to Fremont for EPH analysis. The reports are enclosed.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/22/11
Date Received: 02/15/11
Project: Aurora Super Rents Seattle, WA, F&BI 102166
Date Extracted: 02/16/11
Date Analyzed: 02/16/11 and 02/18/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B-1 (10') 102166-01	<0.02	<0.02	0.95	1.2	250	125
B-1 (15') 102166-02	<0.02	<0.02	0.85	1.0	200	119
B-1 (20') 102166-03	<0.02	<0.02	1.9	1.6	500	150
B-1 (30') 102166-04	<0.02	<0.02	<0.02	<0.06	15	66
B-2 (14') 102166-05	<0.02	<0.02	0.034	<0.06	43	71
B-2 (19') 102166-06	<0.02	<0.02	<0.02	<0.06	2.9	63
B-2 (24') 102166-07	<0.02	<0.02	<0.02	<0.06	<2	55
B-2 (29') 102166-08	<0.02	<0.02	<0.02	<0.06	<2	60
Method Blank 01-0283 MB	<0.02	<0.02	<0.02	<0.06	<2	51

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/22/11
Date Received: 02/15/11
Project: Aurora Super Rents Seattle, WA, F&BI 102166
Date Extracted: 02/15/11
Date Analyzed: 02/15/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B-1 (10') 102166-01	2,500	<250	102
B-1 (15') 102166-02	2,400	<250	100
B-1 (20') 102166-03	690	<250	109
B-1 (30') 102166-04	<50	<250	98
B-2 (14') 102166-05	<50	<250	98
B-2 (19') 102166-06	<50	<250	99
B-2 (24') 102166-07	<50	<250	96
B-2 (29') 102166-08	<50	<250	97
Method Blank 01-0276 MB2	<50	<250	100

Date of Report: 02/22/11
Date Received: 02/15/11
Project: Aurora Super Rents Seattle, WA, F&BI 102166

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 102166-08 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	86	69-120
Toluene	mg/kg (ppm)	0.5	89	70-117
Ethylbenzene	mg/kg (ppm)	0.5	74	65-123
Xylenes	mg/kg (ppm)	1.5	84	66-120
Gasoline	mg/kg (ppm)	20	75	71-131

Date of Report: 02/22/11
Date Received: 02/15/11
Project: Aurora Super Rents Seattle, WA, F&BI 102166

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 102148-12 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	97	99	64-133	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	98	58-147

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

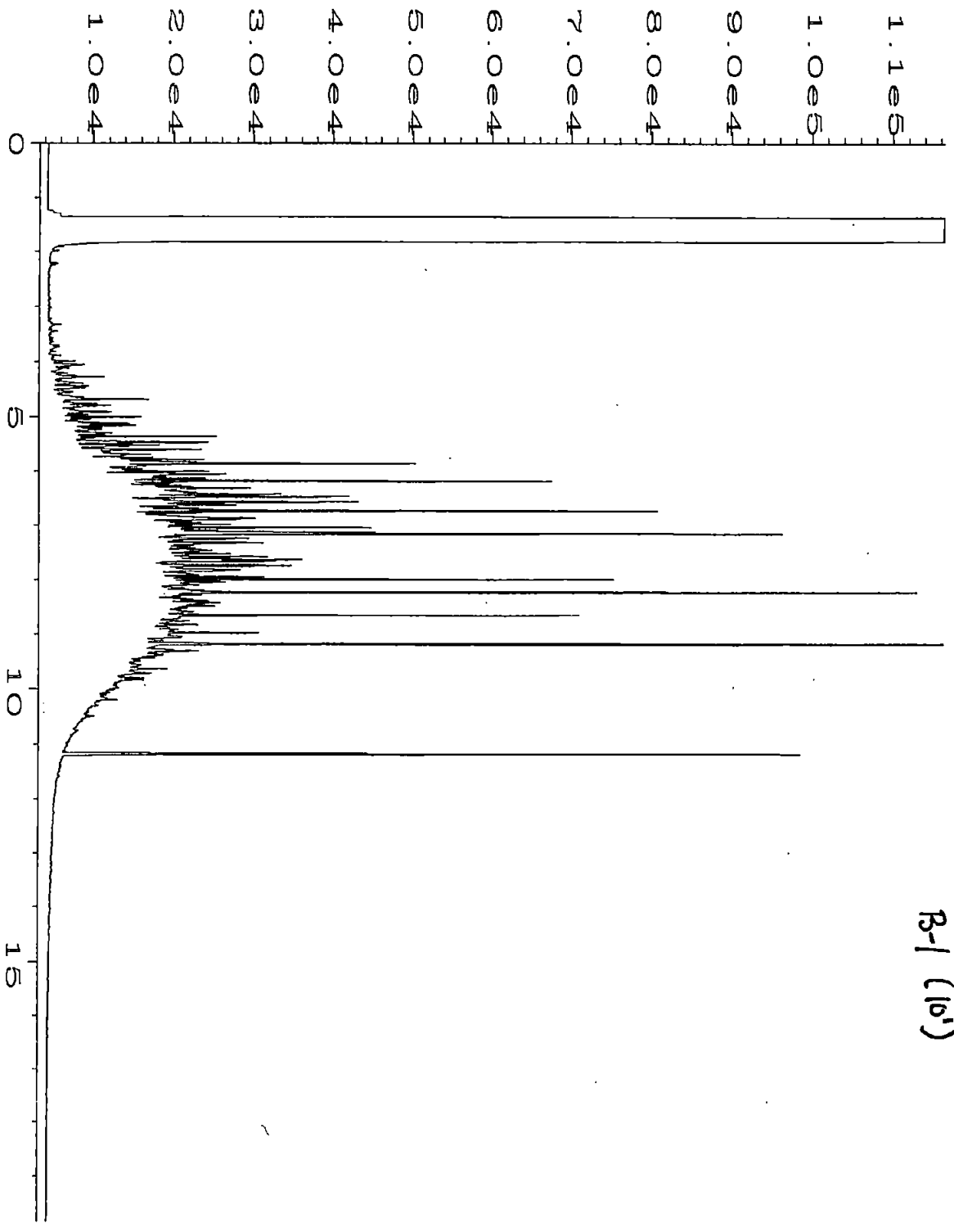
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

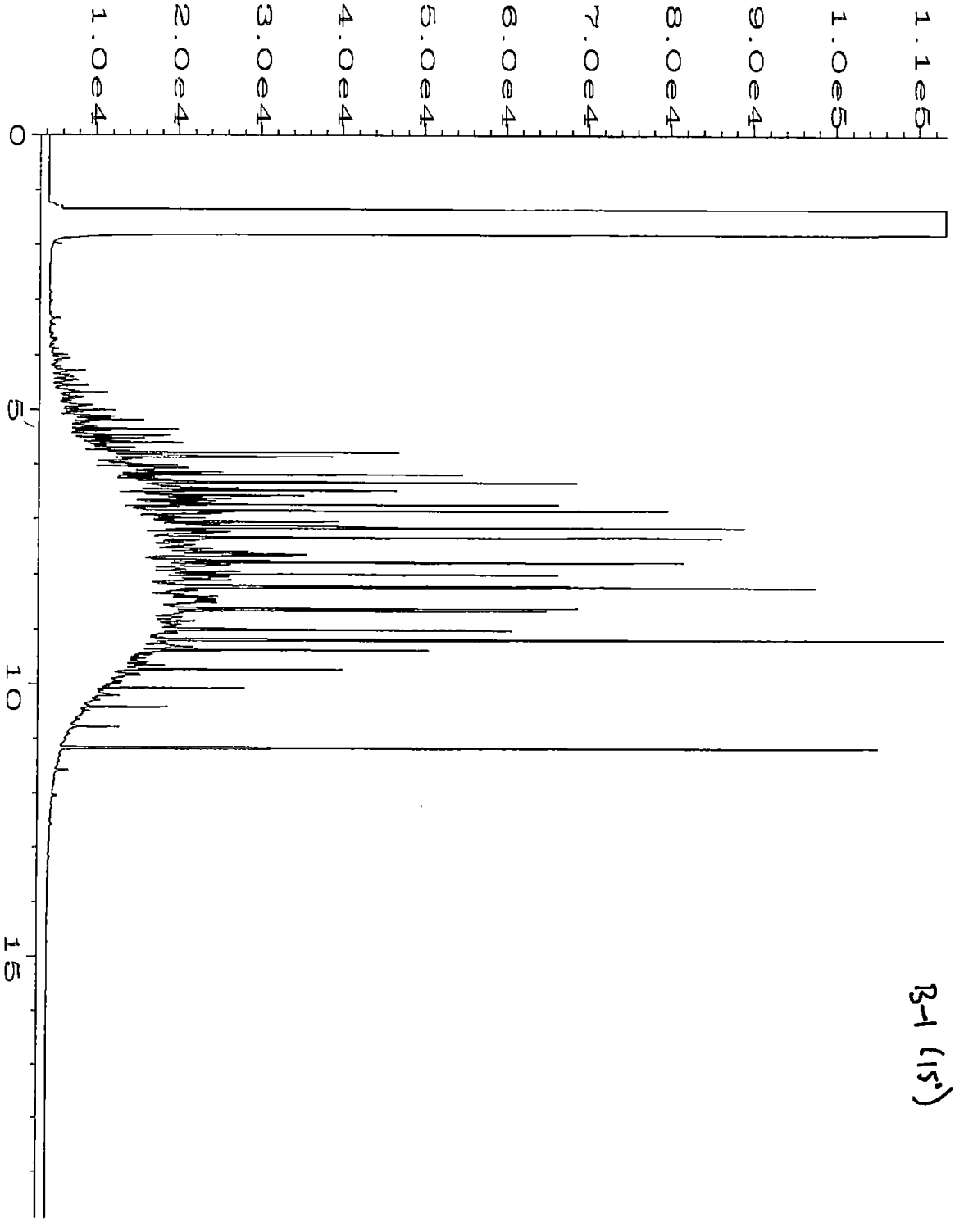
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



B-1 (10')

Data File Name : C:\HPCHEM\4\DATA\02-15-11\015F0601.D
Operator : ML
Instrument : GC#4
Sample Name : 102166-01
Run Time Bar Code:
Acquired on : 15 Feb 11 06:04 PM
Report Created on: 16 Feb 11 09:55 AM

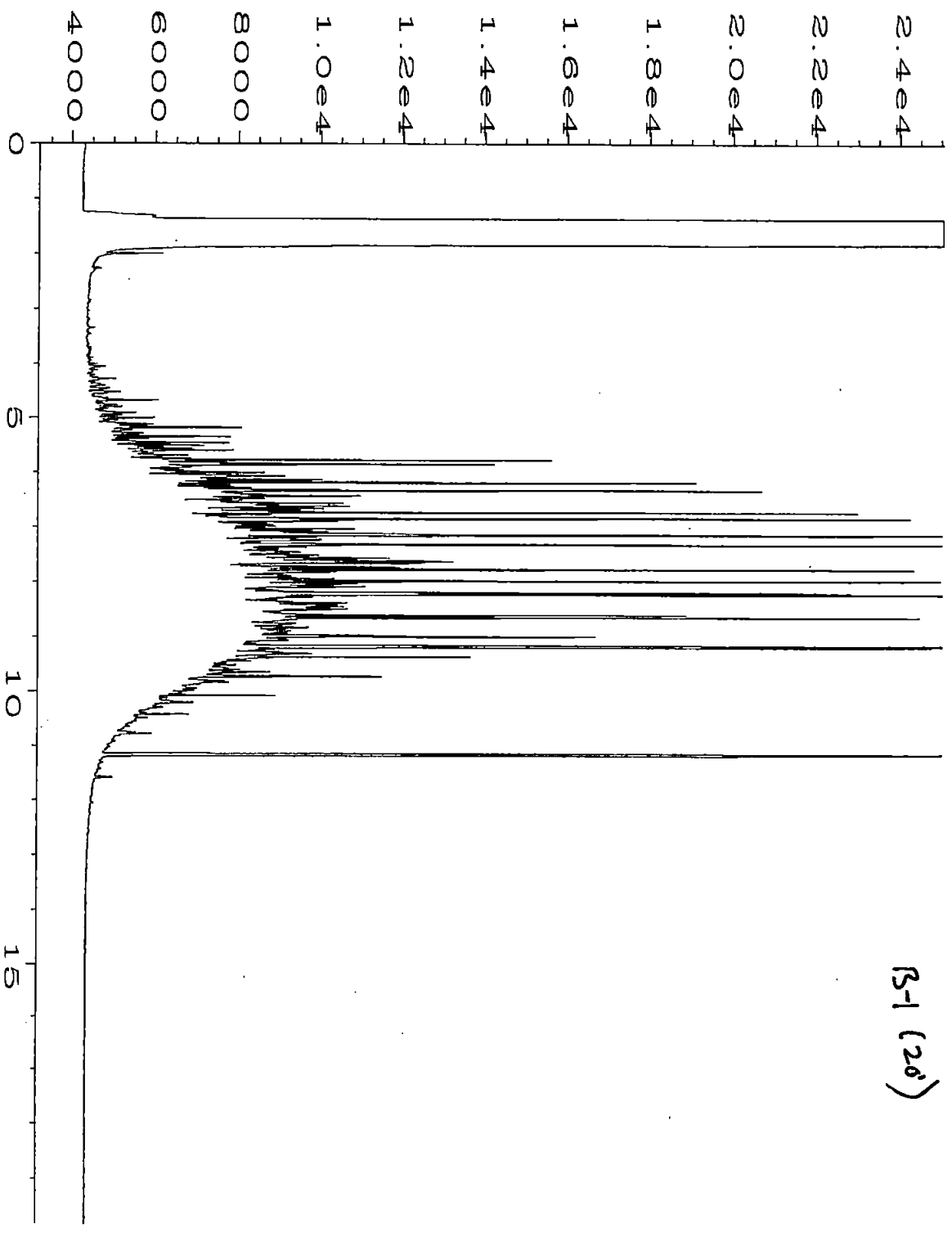
Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 6
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



B-1 (15')

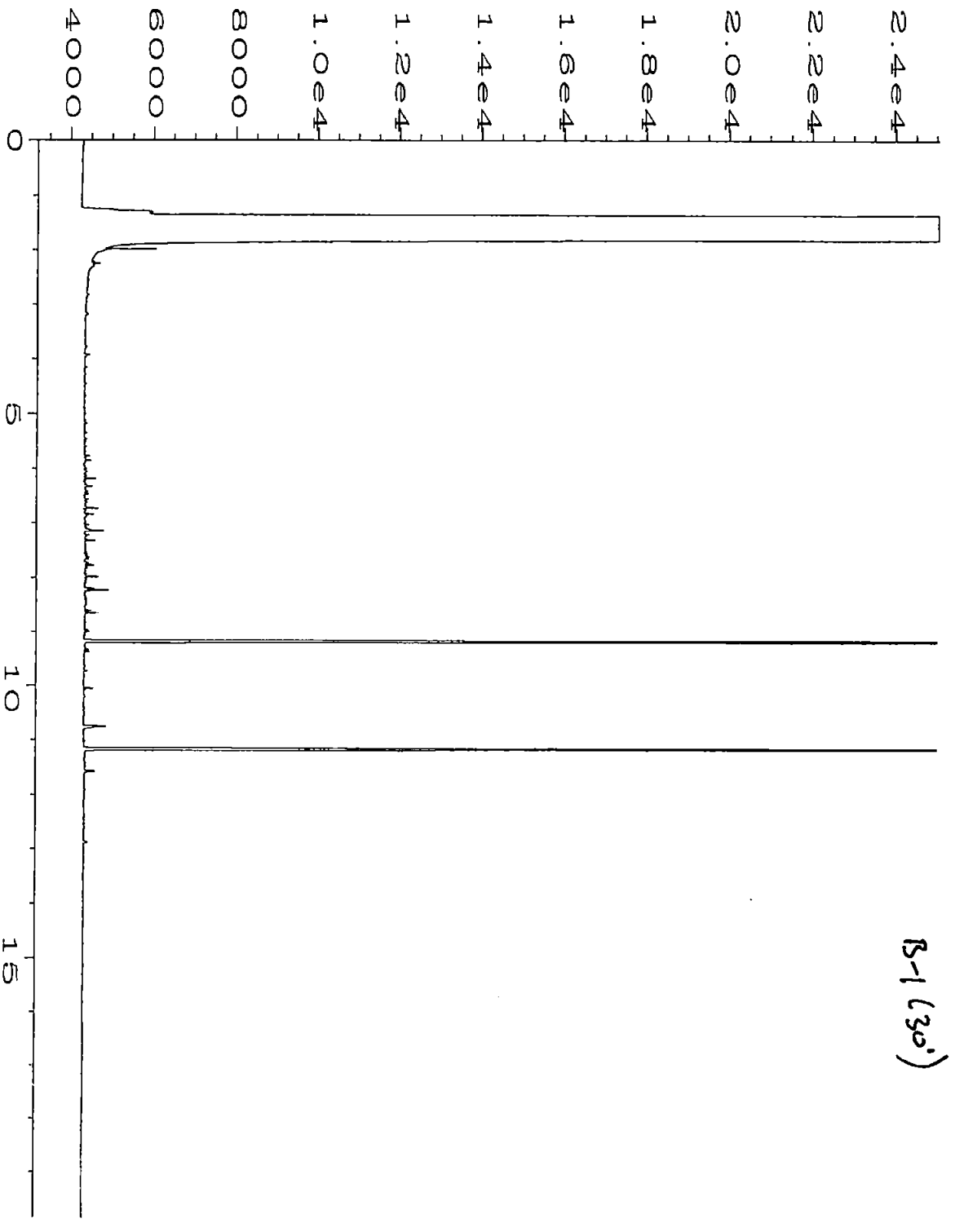
Data File Name : C:\HPCHEM\4\DATA\02-15-11\016F0601.D
Operator : ML
Instrument : GC#4
Sample Name : 102166-02
Run Time Bar Code:
Acquired on : 15 Feb 11 06:31 PM
Report Created on: 16 Feb 11 09:55 AM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 6
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\4\DATA\02-15-11\017F0601.D
Operator : ML
Instrument : GC#4
Sample Name : 102166-03
Run Time Bar Code:
Acquired on : 15 Feb 11 06:58 PM
Report Created on: 16 Feb 11 09:55 AM

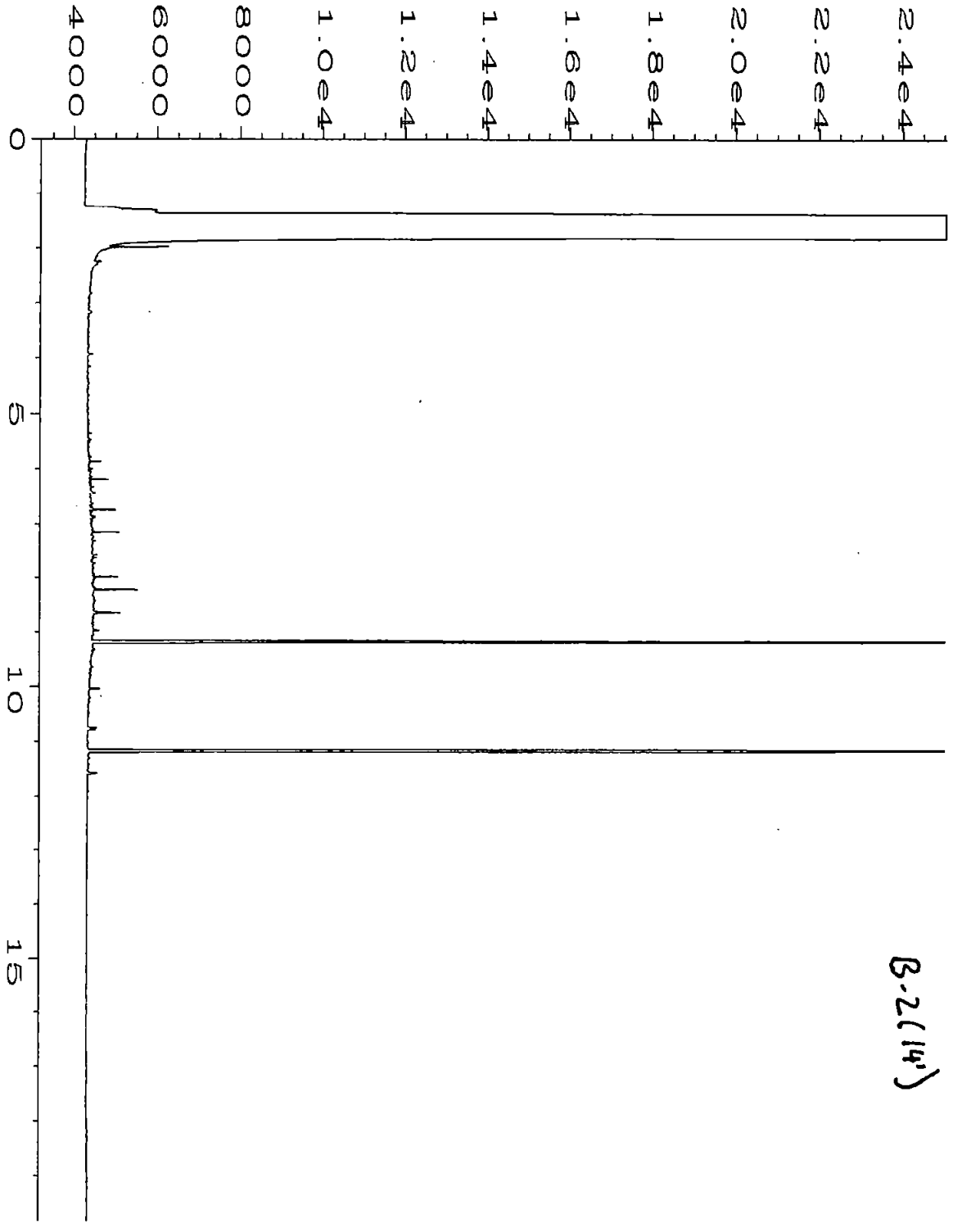
Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 6
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



B-1 (30')

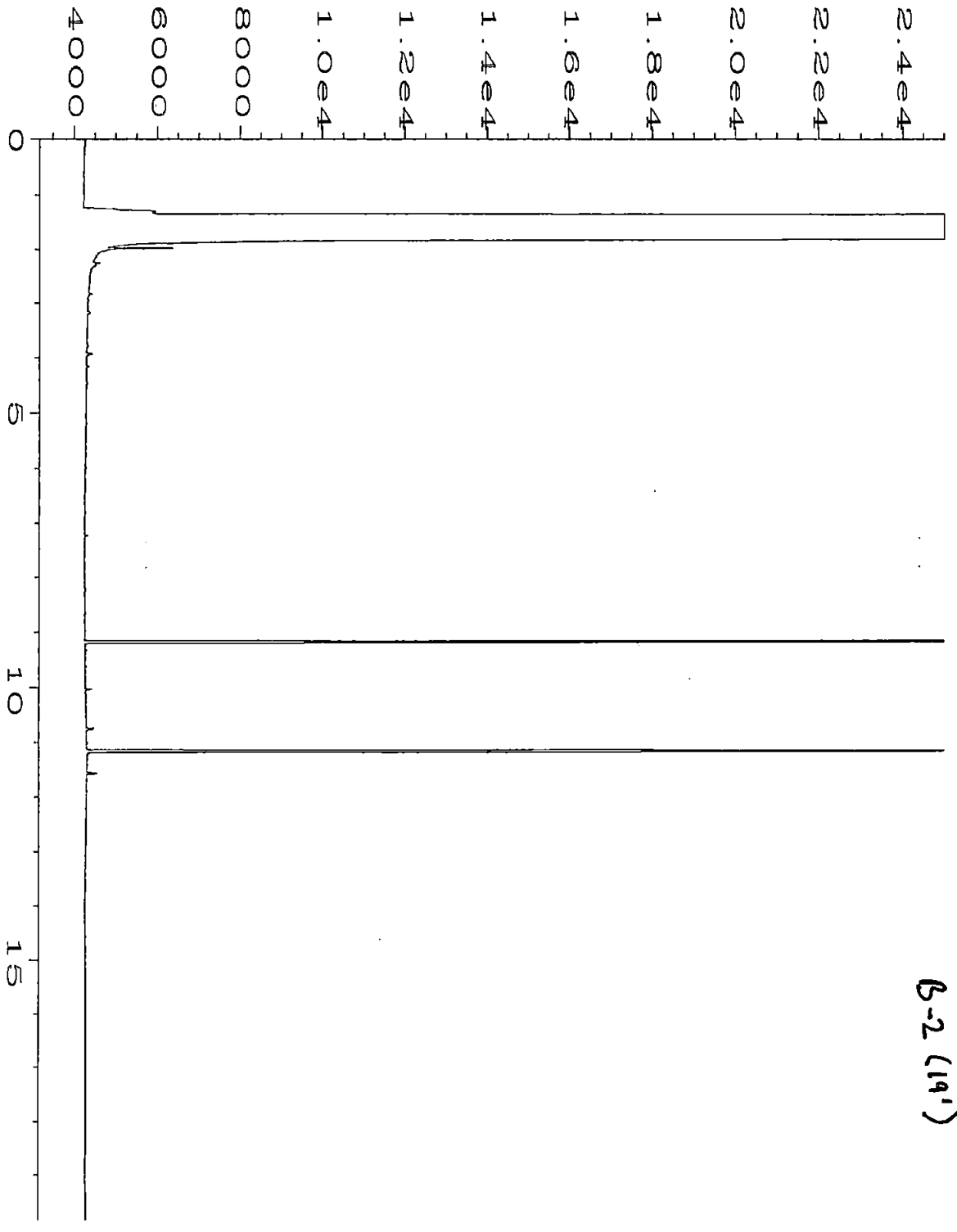
Data File Name : C:\HPCHEM\4\DATA\02-15-11\018F0601.D
Operator : ML
Instrument : GC#4
Sample Name : 102166-04
Run Time Bar Code:
Acquired on : 15 Feb 11 07:26 PM
Report Created on: 16 Feb 11 09:55 AM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 6
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\4\DATA\02-15-11\019F0601.D
Operator : ML
Instrument : GC#4
Sample Name : 102166-05
Run Time Bar Code:
Acquired on : 15 Feb 11 07:53 PM
Report Created on: 16 Feb 11 09:55 AM

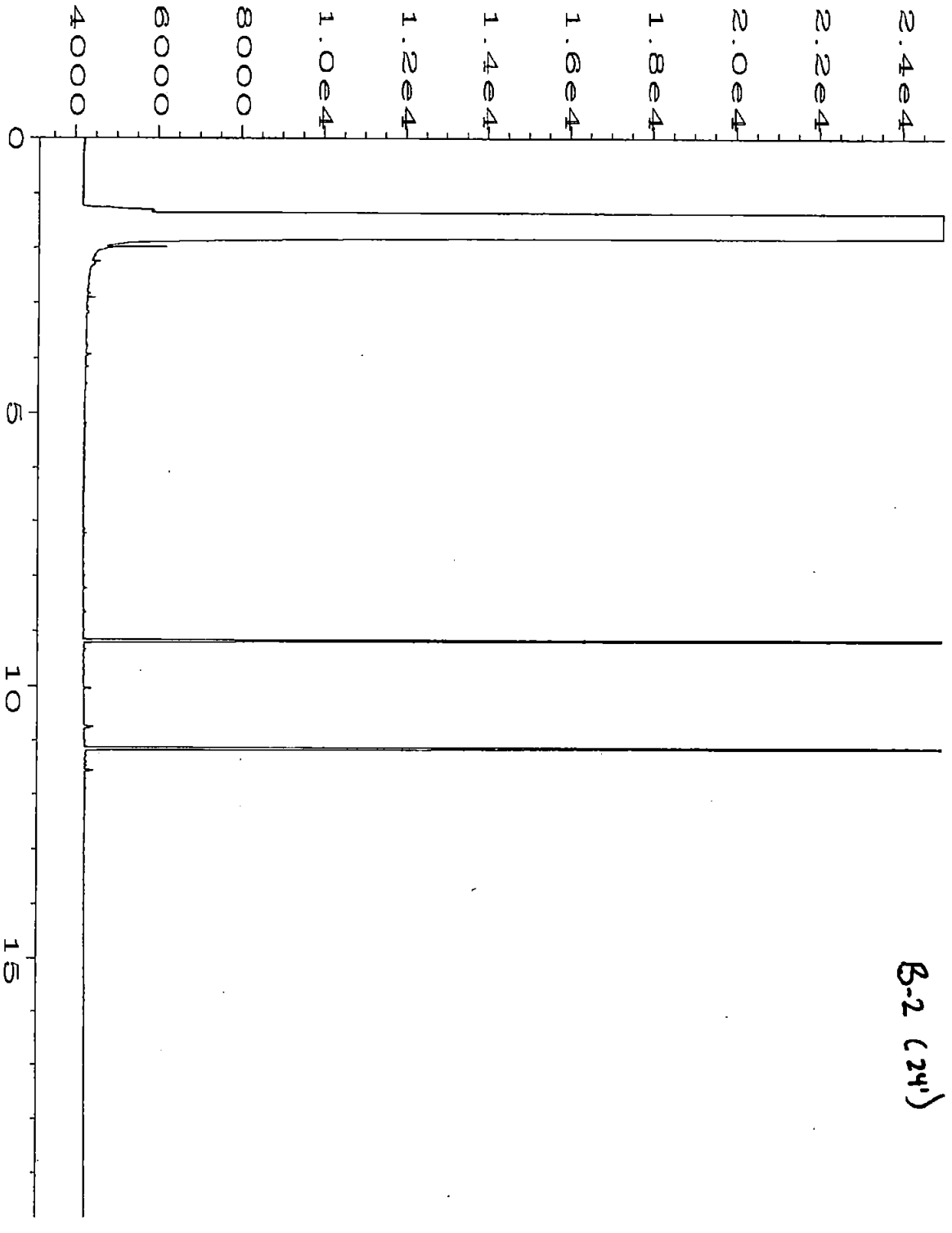
Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 6
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



B-2 (19')

Data File Name : C:\HPCHEM\4\DATA\02-15-11\020F0601.D
Operator : ML
Instrument : GC#4
Sample Name : 102166-06
Run Time Bar Code:
Acquired on : 15 Feb 11 08:19 PM
Report Created on: 16 Feb 11 09:56 AM

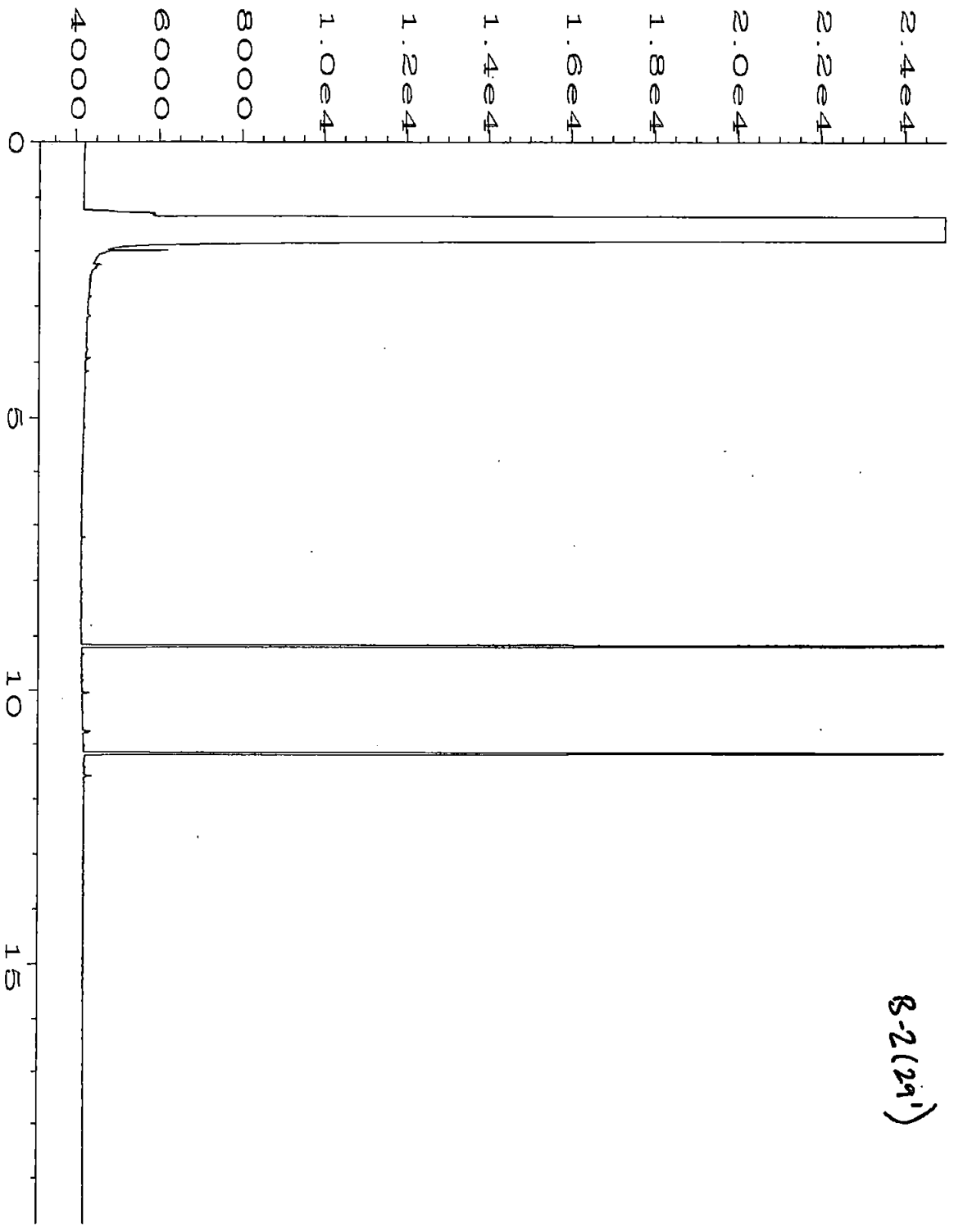
Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 6
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



B-2 (24')

Data File Name : C:\HPCHEM\4\DATA\02-15-11\021F0601.D
Operator : ML
Instrument : GC#4
Sample Name : 102166-07
Run Time Bar Code:
Acquired on : 15 Feb 11 08:46 PM
Report Created on: 16 Feb 11 09:56 AM

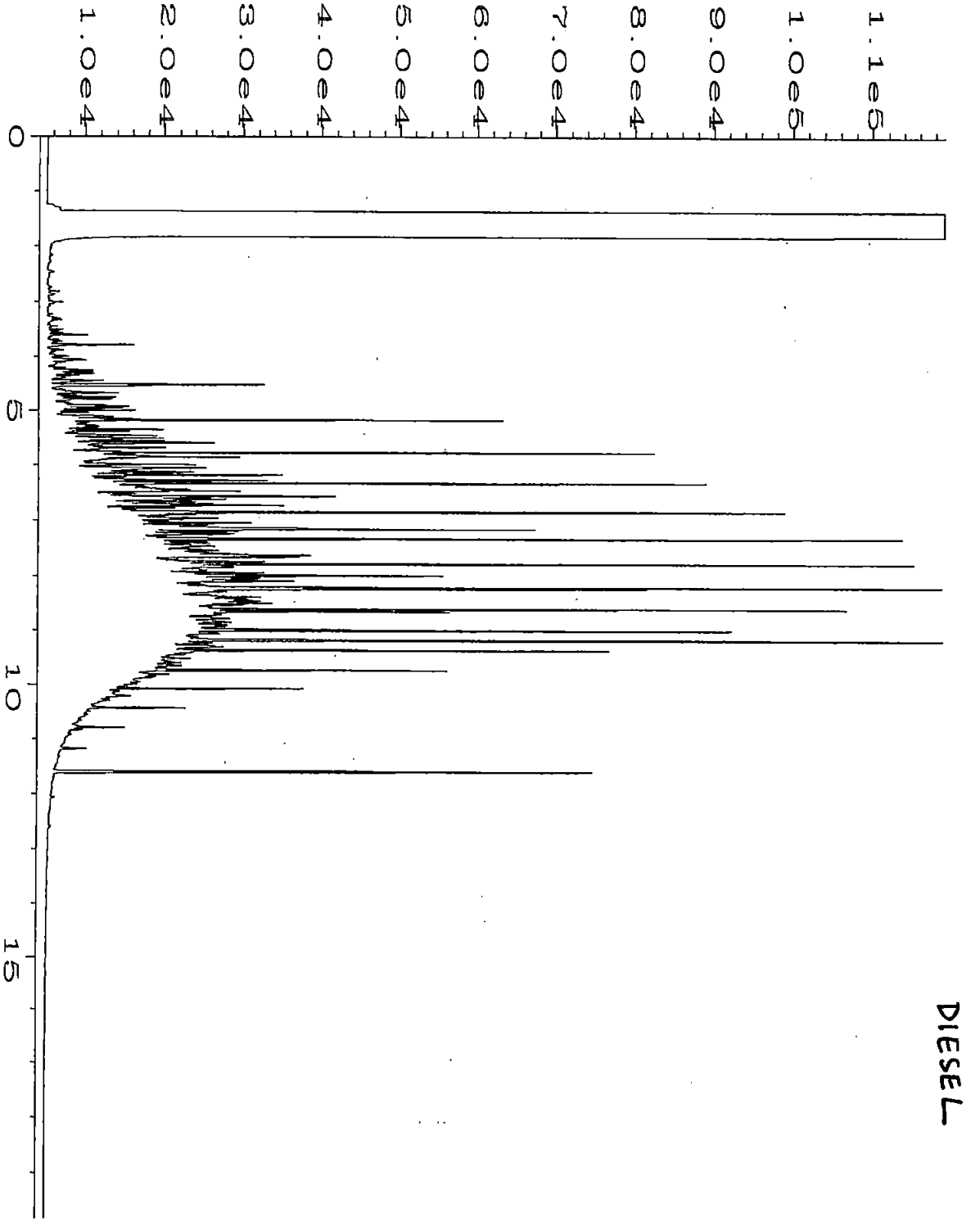
Page Number : 1
Vial Number : 21
Injection Number : 1
Sequence Line : 6
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



B-2(29')

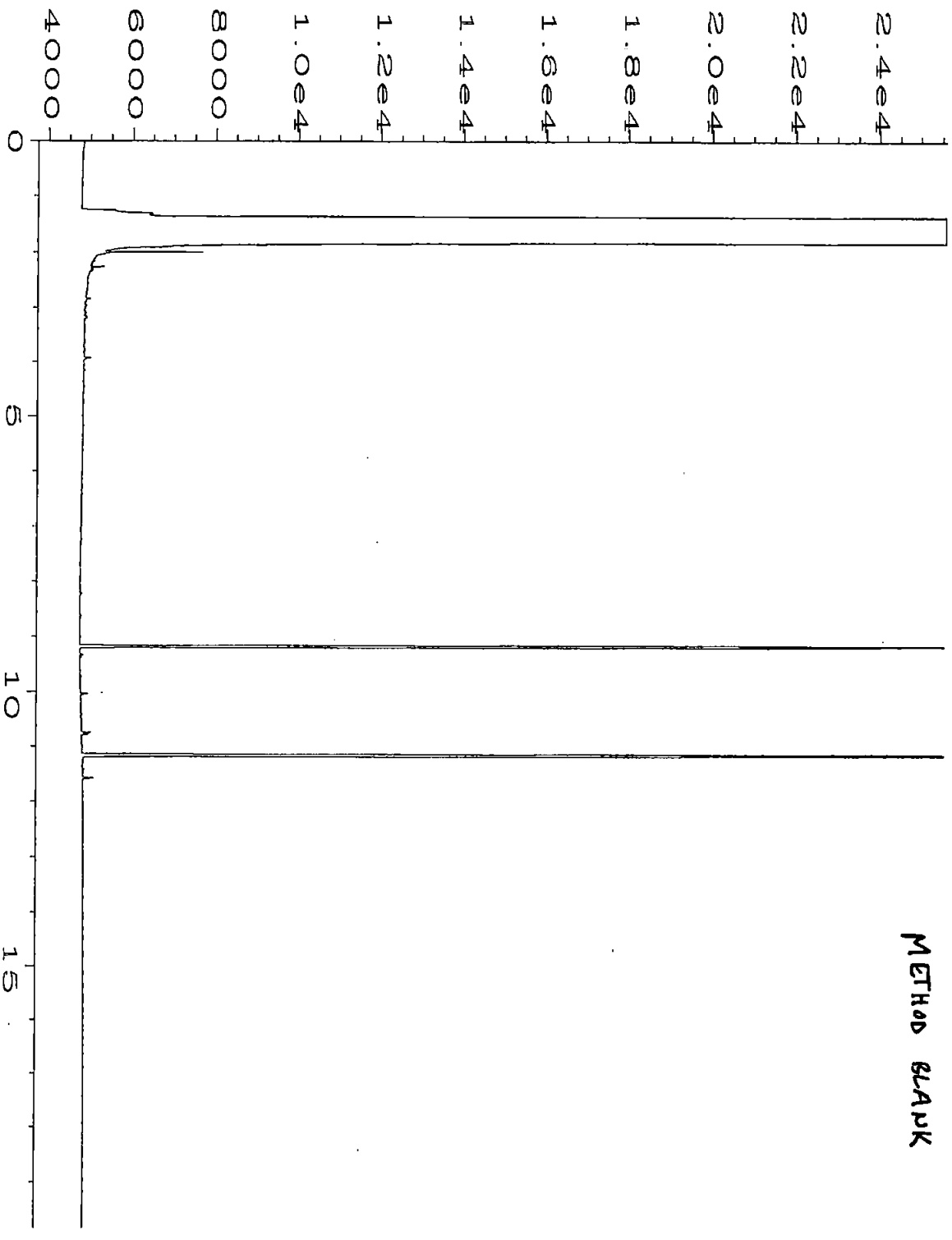
Data File Name : C:\HPCHEM\4\DATA\02-15-11\022F0601.D
Operator : ML
Instrument : GC#4
Sample Name : 102166-08
Run Time Bar Code:
Acquired on : 15 Feb 11 09:13 PM
Report Created on: 16 Feb 11 09:56 AM

Page Number : 1
Vial Number : 22
Injection Number : 1
Sequence Line : 6
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\4\DATA\02-15-11\003F0201.D
Operator : ML
Instrument : GC#4
Sample Name : 500 WADF 32-197D
Run Time Bar Code:
Acquired on : 15 Feb 11 09:04 AM
Report Created on: 16 Feb 11 09:53 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 2
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\4\DATA\02-15-11\011F0301.D
Operator : ML
Instrument : GC#4
Sample Name : 01-0276 mb2
Run Time Bar Code:
Acquired on : 15 Feb 11 12:05 PM
Report Created on: 16 Feb 11 09:54 AM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 3
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

2930 Westlake Ave N Suite 100
Seattle, WA 98109
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Friedman and Bruya, Inc.
Attn: Michael Erdahl
3012 16th Ave W.
Seattle, WA 98119

RE: 102166
Fremont Project No: CHM110218-2
Friedman & Bruya Project No: A-864

February 22nd, 2011

Michael:

Enclosed are the analytical results for the ***102166*** soil samples submitted to Fremont Analytical on February 18th, 2011.

Examination of these samples was conducted for the presence of the following:

- ***Volatile Petroleum Hydrocarbons by NWVPH***
- ***Extractable Petroleum Hydrocarbons by NWEPH***

These applications were performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied.

Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal

mikedee@fremontanalytical.com

Fremont Analytical

2930 Westlake Ave. N., Suite 100
Seattle, WA 98109

T: 206.352.3790
F: 206.352.7178
email: info@fremontanalytical.com

Analysis of Volatile Petroleum Hydrocarbons in Soil by NWVPH

Project: 102166
Client: Friedman & Bruya
Client Project #: A-864
Lab Project #: CHM110218-2

					Duplicate				MS
NWVPH (mg/kg)	**MRL**	**Method Blank**	**LCS**	**B-1 (10')**	**B-1 (10')**	**RPD %**	**B-1 (15')**	**B-1 (20')**	**B-1 (15')**
Date Collected				2/15/11	2/15/11		2/15/11	2/15/11	2/15/11
Date Preserved				2/18/11	2/18/11		2/18/11	2/18/11	2/18/11
Date Analyzed		2/18/11	2/18/11	2/18/11	2/18/11		2/18/11	2/18/11	2/18/11
Matrix				Soil	Soil		Soil	Soil	Soil
Targeted Analytes									
Benzene	0.05	nd	89.3%	nd	nd		nd	nd	80.4%
Toluene	0.05	nd	96.0%	nd	nd		nd	nd	84.4%
Ethylbenzene	0.05	nd	96.9%	nd	nd		**0.112**	nd	88.3%
m,p-Xylenes	0.05	nd	77.8%	**0.0896**	**0.0745**	18%	**0.127**	nd	71.0%
o-Xylenes	0.05	nd	99.4%	**0.0852**	**0.0676**	23%	**0.0499**	**0.0379**	87.8%
Naphthalene	0.05	nd	78.8%	**2.62**	**2.95**	12%	**3.30**	**0.668**	113%
Hexane	0.05	nd	84.6%	nd	nd		nd	nd	96.7%
Hydrocarbon Parameters									
C5-C6 (FID) *Aliphatics**	0.05	nd		nd	nd		nd	nd	
C6-C8 (FID) *Aliphatics**	0.05	nd		nd	nd		nd	nd	
C8-C10 (FID) *Aliphatics**	0.05	nd		**14.0**	**18.9**	30%	nd	**4.66**	
C10-C12 (FID) *Aliphatics**	0.05	nd		**37.2**	**38.0**	2%	nd	**18.1**	
C8-C10 (PID) *Aromatics*	0.05	nd		**8.08**	**8.57**	6%	**9.68**	**2.61**	
C10-C12 (PID) *Aromatics*	0.05	nd		**29.8**	**28.2**	5%	**31.1**	**7.74**	
C12-C13 (PID) *Aromatics*	0.05	nd		**22.7**	**26.0**	14%	**26.9**	**9.02**	
Surrogate Recovery									
Triflourotoluene		83%	84%	95%	95%		92%	88%	98%
Bromoflourobenzene		72%	76%	101%	102%		120%	131%	128%

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, MS = 65% to 135%
Surrogate Concentration = 0.25 mg/kg
Spike Concentration = 5.0 mg/kg

Fremont Analytical

2930 Westlake Ave. N., Suite 100
Seattle, WA 98109

T: 206.352.3790
F: 206.352.7178
email: info@fremontanalytical.com

Analysis of Extractable Petroleum Hydrocarbons in Soil by NWEPH

Project: 102166
Client: Friedman & Bruya
Client Project #: A-864
Lab Project #: CHM110218-2

NWEPH (mg/kg)	MRL	Method Blank	LCS	B-1 (15')	B-1 (20')	Duplicate B-1 (20')	RPD %
Date Extracted				2/18/11	2/18/11	2/18/11	
Date Analyzed		2/22/11	2/22/11	2/22/11	2/22/11	2/22/11	
Matrix				Soil	Soil	Soil	
Aromatic Hyrdrocarbon (Ranges)							
C8-C10	1.0	nd	118%	**2.90**	**1.30**	**1.33**	2%
C10-C12	1.0	nd	99.2%	**5.96**	**1.27**	**1.49**	16%
C12-C16	1.0	nd	100%	**68.5**	**14.4**	**13.8**	4%
C16-C21	1.0	nd	93.2%	**154**	**48.5**	**47.5**	2%
C21-C34	1.0	nd	102%	**45.3**	**12.2**	**11.2**	8%
Aliphatic Hydrocarbon (Ranges)							
C8-C10	1.0	nd	93.6%	**14.9**	**1.78**	**1.79**	0.3%
C10-C12	1.0	nd	92.6%	**118**	**45.2**	**45.4**	0.5%
C12-C16	1.0	nd	93.4%	**788**	**299**	**281**	6%
C16-C21	1.0	nd	94.6%	**587**	**272**	**266**	2%
C21-C34	1.0	nd	102%	**545**	**695**	**664**	5%
Surrogate Recovery							
o-terphenyl		105%	101%	116%	104%	100%	
1-chlorooctadecane		93%	110%	93%	118%	105%	

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 140%
LCS, LCSD = 65% to 140%
Surrogate Concentration = 10 mg/kg
Spike Concentration = 100 mg/kg

SUBCONTRACT SAMPLE CHAIN OF CUSTODY

CHM110218-2

Page # 1 of 1

Send Report To Michael Erdahl

Company Friedman and Bruya, Inc.

Address 3012 16th Ave W

City, State, ZIP Seattle, WA 98119

Phone # (206) 285-8282 Fax # (206) 283-5044

SUBCONTRACTER: Fremont

PROJECT NAME/NO.: 102166

PO #: A-864

REMARKS: Please Email Results merdahl@friedmanandbruya.com

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 2-day
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: Oil and Grease	EPH	VPH	Nitrate	Sulfate	Alkalinity					Notes
																Dry Weight
B-1 (10')		2/15/11	10:15	Soil	2			x								91%
B-1 (15')		"	10:30	"	2		x	x								94%
B-1 (20')		"	10:45	"	2		x	x								92%

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Michael Erdahl	Friedman & Bruya	2/17/11	4:00 PM
Received by:		Troy Zehr	FA	2/17/11	9:25
Relinquished by:					
Received by:					

102166

SAMPLE CHAIN OF CUSTODY

NE 02/15/11 V53/C04 1

Page # 1 of 1

Send Report To Greg McCormick
Company EPI
Address 295 NE Gilman Blvd #201
City, State, ZIP Issaquah, WA
Phone # (425) 395-0026 Fax # (425) 395-0011

SAMPLERS (signature) [signature]
PROJECT NAME/NO. Aurora Super Rents Seattle, WA
PO#
REMARKS Please Hold all sampler Results on Thurs AM

TURNAROUND TIME
☐ Standard (2 Weeks)
☒ RUSH 48 hrs
Rush charges authorized by GMC

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	EPH	VPH					Notes
						ANALYSES REQUESTED												* VPH/EPH
B-1 (10')	01 A-E	2/15/11	10:15	S	5	X	X						✓					Analysis to
B-1 (15')	02		10:30	S	5	X	X					✓	✓					follow for
B-1 (20')	03		10:45	S	5	X	X					✓	✓					Some
B-1 (30')	04		11:00	S	5	X	X											sample c
B-2 (14')	05		12:00	S	5	X	X											
B-2 (19')	06		12:15	S	5	X	X											✓ per GM
B-2 (24')	07		12:45	S	5	X	X											2/17/11
B-2 (29')	08	↓	1:00	S	5	X	X											MG
		↓																

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	[signature]	Greg McCormick	EPI	2/15/11	3:00 PM
Received by:	[signature]	Nhan Phan	FeBI	2/15/11	3:00 pm
Relinquished by:					
Received by:			Samples received at	6 °C	

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 22, 2011

Greg McCormick, Project Manager
Environmental Partners, Inc.
295 NE Gilman Blvd., Suite 201
Issaquah, WA 98027

RE: Aurora Super Rents Seattle, WA, F&BI 102177

Dear Mr. McCormick:

Included are the results from the testing of material submitted on February 16, 2011 from the Aurora Super Rents Seattle, WA, F&BI 102177 project. There are 8 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
EPI0222R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 16, 2011 by Friedman & Bruya, Inc. from the Environmental Partners Aurora Super Rents Seattle, WA, F&BI 102177 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
102177-01	B-3 (20')
102177-02	B-3 (25')
102177-03	B-3 (30')
102177-04	B-3 (35')
102177-05	B-3 (40')
102177-06	B-3 (45')
102177-07	B-3 (50')
102177-08	B-4 (15')
102177-09	B-4 (20')
102177-10	B-4 (25')
102177-11	B-4 (30')
102177-12	B-4 (35')

Samples B-4 (15'), B-4 (20'), and B-4 (25') were sent to Fremont for VPH analysis. In addition, sample B-4 (15') was sent to Fremont for EPH analysis. The reports are enclosed.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/22/11
Date Received: 02/16/11
Project: Aurora Super Rents Seattle, WA, F&BI 102177
Date Extracted: 02/16/11
Date Analyzed: 02/17/11 and 02/18/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B-3 (20') 102177-01	<0.02	<0.02	<0.02	<0.06	<2	61
B-3 (25') 102177-02	<0.02	<0.02	<0.02	<0.06	<2	59
B-3 (30') 102177-03	<0.02	<0.02	<0.02	<0.06	<2	62
B-3 (35') 102177-04	<0.02	<0.02	<0.02	<0.06	<2	63
B-3 (40') 102177-05	<0.02	<0.02	0.62	1.1	79	117
B-3 (45') 102177-06	0.03	<0.02	0.16	0.27	72	85
B-3 (50') 102177-07	<0.02	<0.02	<0.02	<0.06	<2	61
B-4 (15') 102177-08 1/5	<0.02 j	<0.1	1.9	3.0	770	ip
B-4 (20') 102177-09	<0.02	<0.02	0.62	<0.06	220	106
B-4 (25') 102177-10	0.04	<0.02	1.2	1.4	310	124

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/22/11
Date Received: 02/16/11
Project: Aurora Super Rents Seattle, WA, F&BI 102177
Date Extracted: 02/16/11
Date Analyzed: 02/17/11 and 02/18/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B-4 (30') 102177-11	<0.02	<0.02	<0.02	<0.06	3.2	63
B-4 (35') 102177-12	<0.02	<0.02	<0.02	<0.06	<2	59
Method Blank 01-0287 MB	<0.02	<0.02	<0.02	<0.06	<2	64

Date of Report: 02/22/11
Date Received: 02/16/11
Project: Aurora Super Rents Seattle, WA, F&BI 102177
Date Extracted: 02/16/11
Date Analyzed: 02/16/11 and 02/17/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B-3 (20') 102177-01	<50	<250	111
B-3 (25') 102177-02	<50	<250	101
B-3 (30') 102177-03	<50	<250	102
B-3 (35') 102177-04	<50	<250	101
B-3 (40') 102177-05	61	<250	104
B-3 (45') 102177-06	<50	<250	105
B-3 (50') 102177-07	<50	<250	100
B-4 (15') 102177-08	2,700	<250	105
B-4 (20') 102177-09	85	<250	102
B-4 (25') 102177-10	1,100	<250	101
B-4 (30') 102177-11	<50	<250	106

Date of Report: 02/22/11
Date Received: 02/16/11
Project: Aurora Super Rents Seattle, WA, F&BI 102177
Date Extracted: 02/16/11
Date Analyzed: 02/16/11 and 02/17/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B-4 (35') 102177-12	<50	<250	98
Method Blank 01-0288 MB	<50	<250	107

Date of Report: 02/22/11
Date Received: 02/16/11
Project: Aurora Super Rents Seattle, WA, F&BI 102177

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 102177-03 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	87	69-120
Toluene	mg/kg (ppm)	0.5	88	70-117
Ethylbenzene	mg/kg (ppm)	0.5	78	65-123
Xylenes	mg/kg (ppm)	1.5	84	66-120
Gasoline	mg/kg (ppm)	20	80	71-131

Date of Report: 02/22/11
Date Received: 02/16/11
Project: Aurora Super Rents Seattle, WA, F&BI 102177

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 102178-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	107	109	63-146	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	111	79-144

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

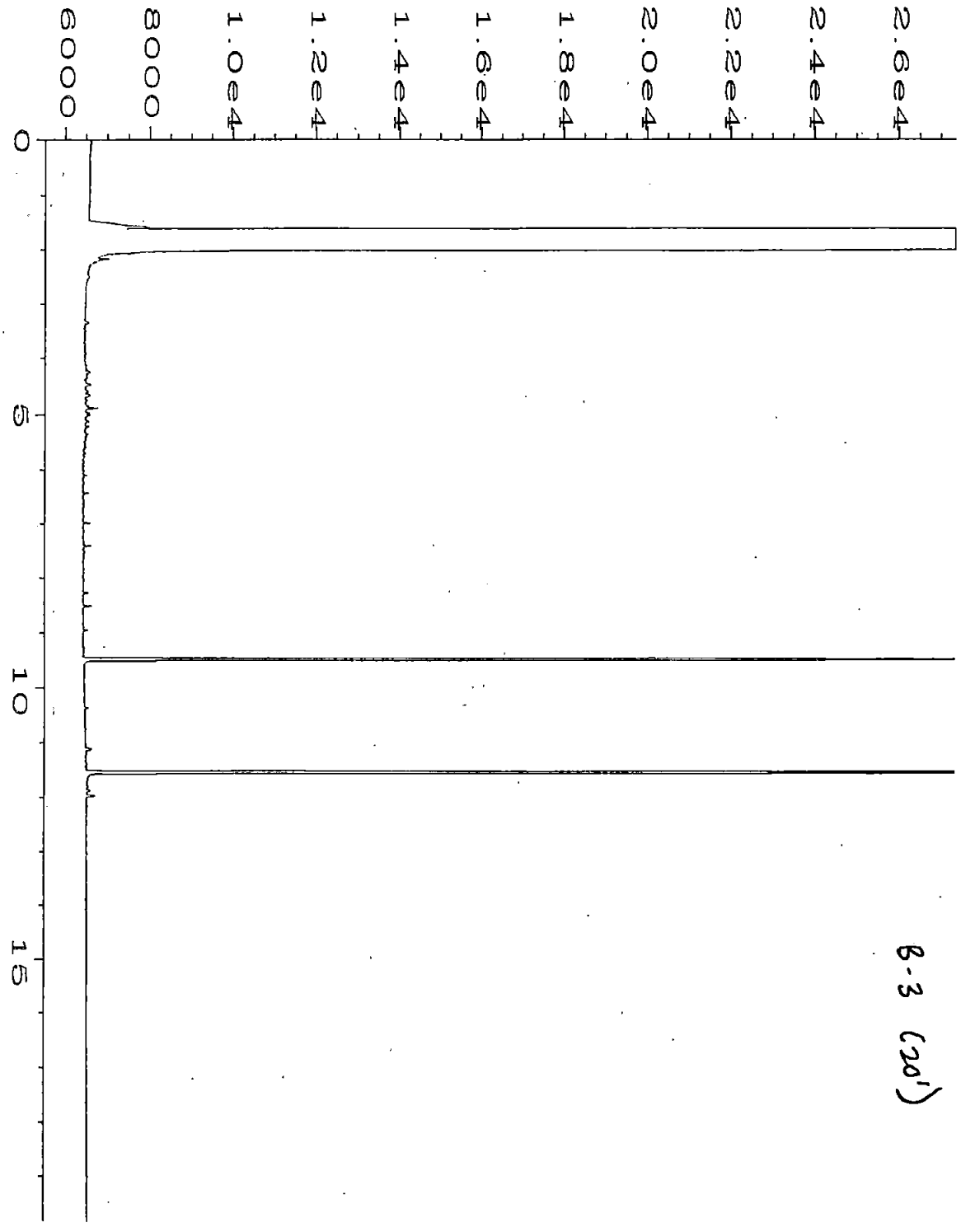
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

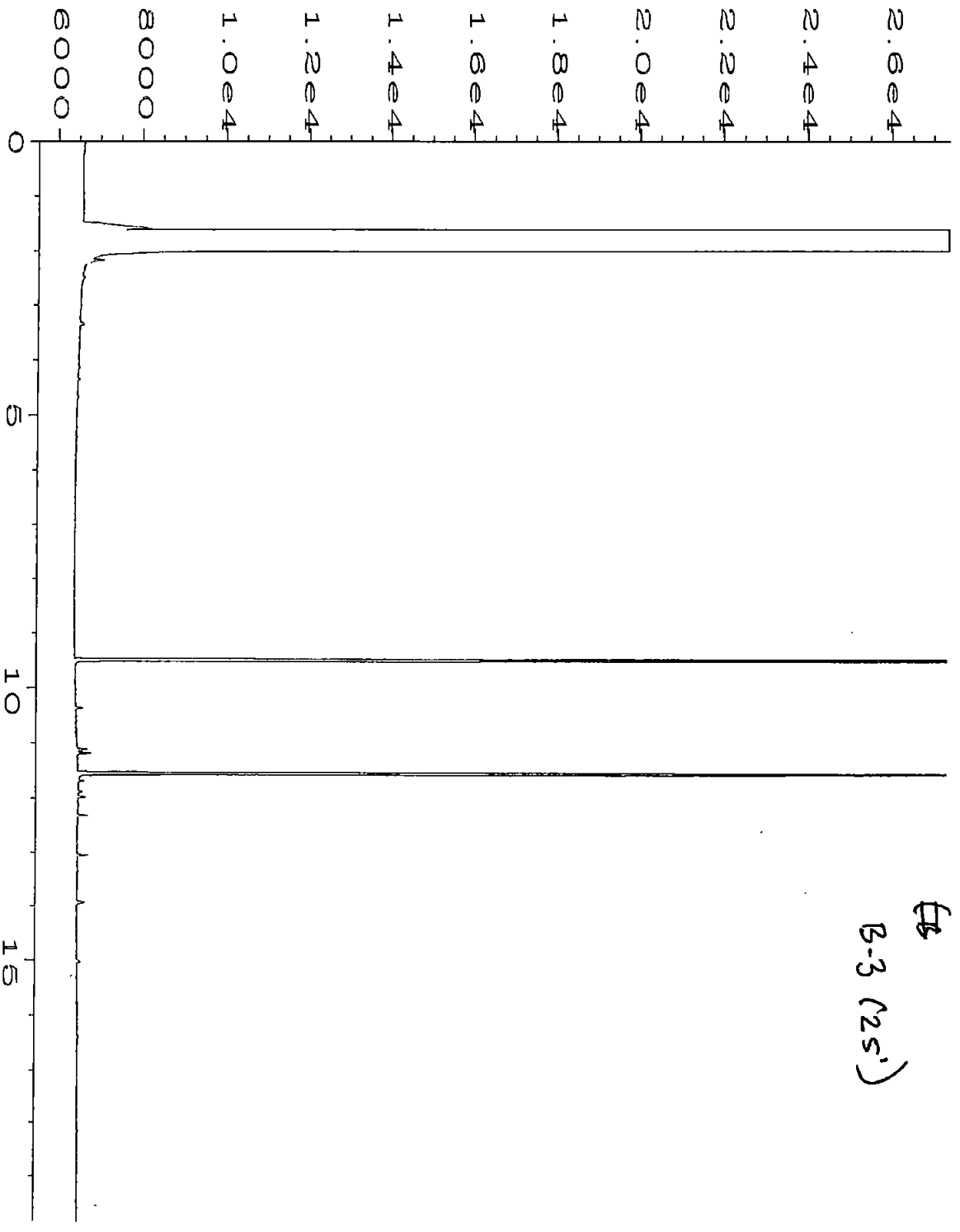
vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name : C:\HPCHEM\1\DATA\02-16-11\025F0701.D
Operator : ML
Instrument : GC1
Sample Name : 102177-01
Run Time Bar Code:
Acquired on : 16 Feb 11 08:21 PM
Report Created on: 17 Feb 11 09:15 AM

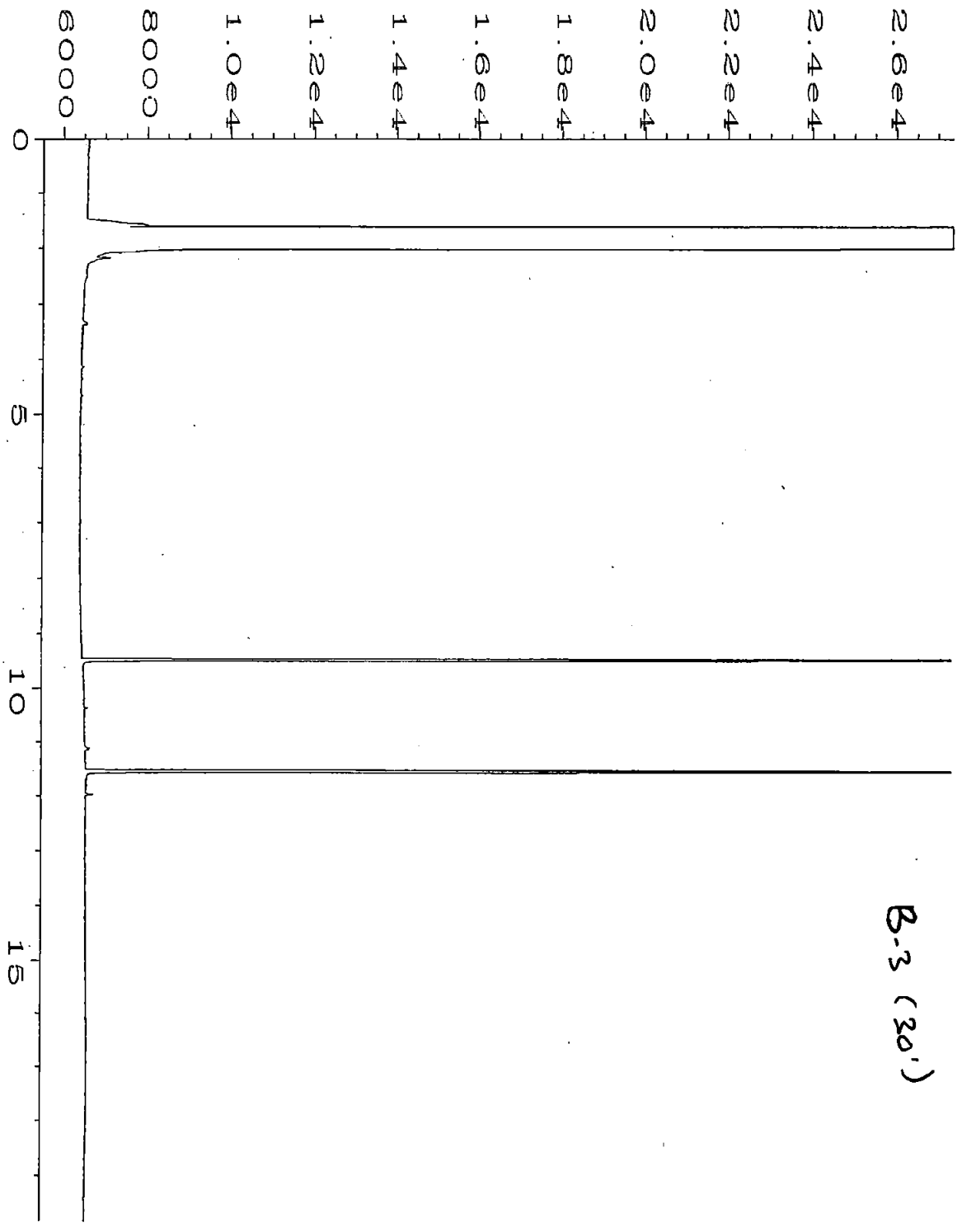
Page Number : 1
Vial Number : 25
Injection Number : 1
Sequence Line : 7
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



4
B-3 (2s')

Data File Name : C:\HPCHEM\1\DATA\02-16-11\026F0701.D
Operator : ML
Instrument : GC1
Sample Name : 102177-02
Run Time Bar Code:
Acquired on : 16 Feb 11 08:48 PM
Report Created on: 17 Feb 11 09:15 AM

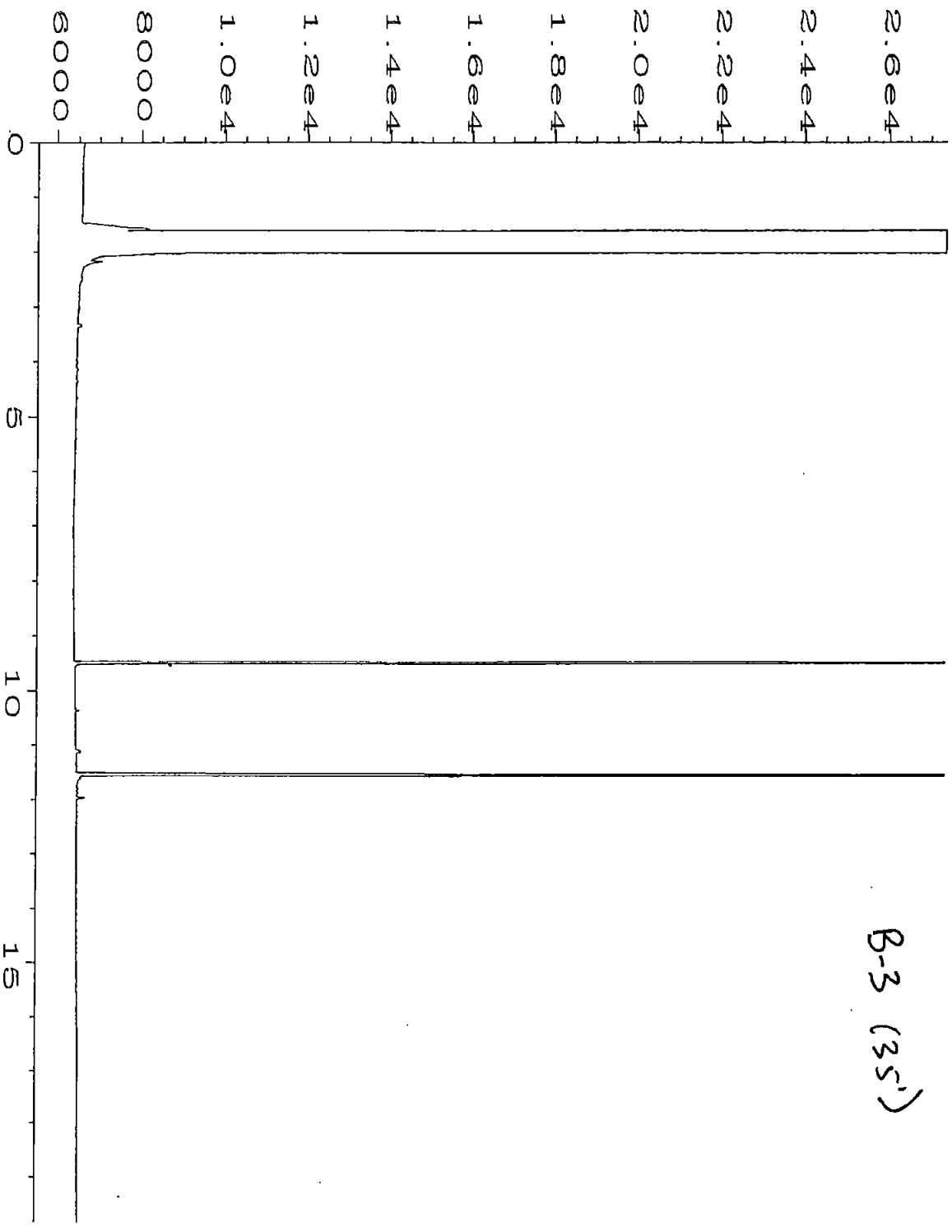
Page Number : 1
Vial Number : 26
Injection Number : 1
Sequence Line : 7
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



B-3 (30')

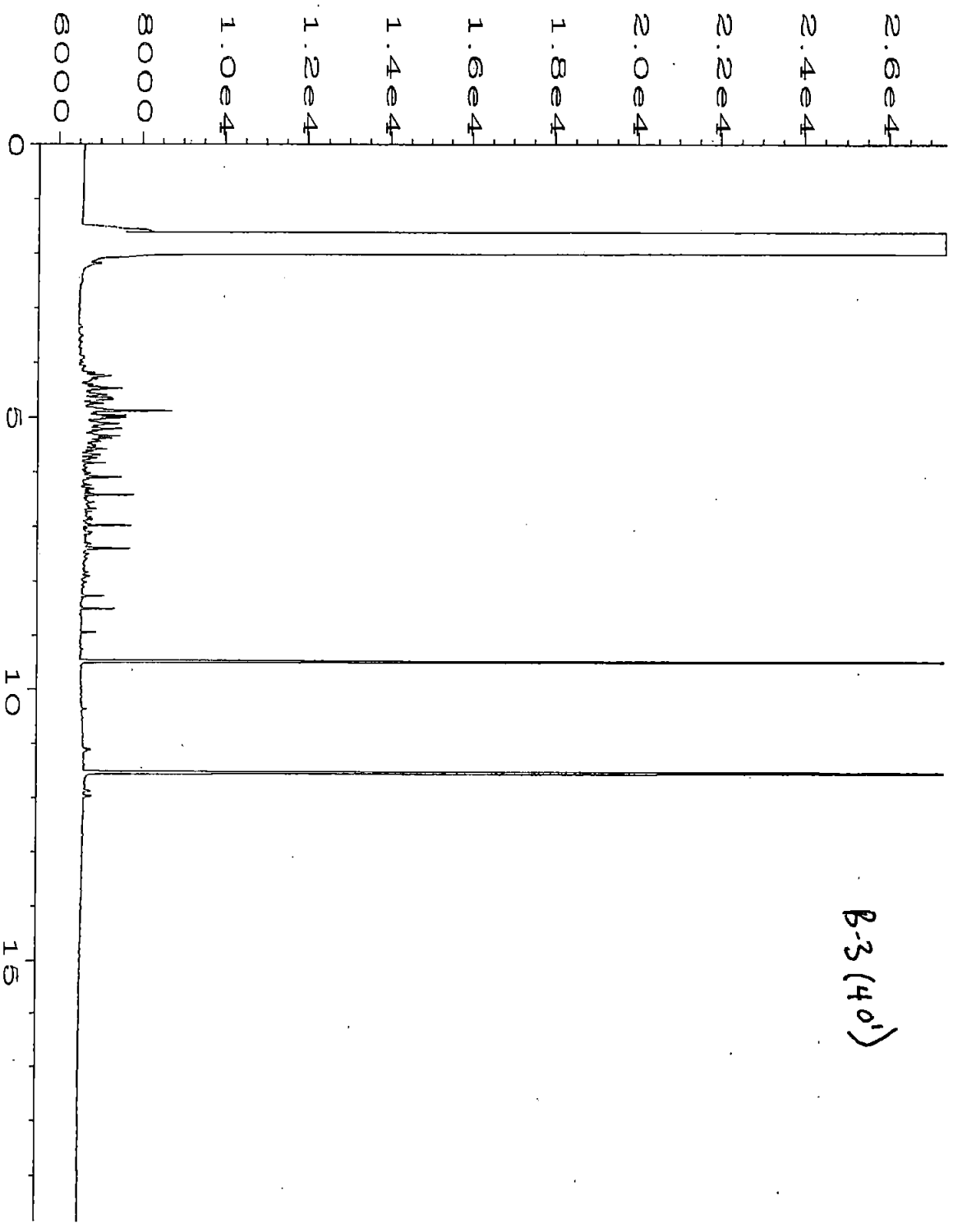
Data File Name : C:\HPCHEM\1\DATA\02-16-11\027F0901.D
Operator : ML
Instrument : GC1
Sample Name : 102177-03
Run Time Bar Code:
Acquired on : 16 Feb 11 10:09 PM
Report Created on: 17 Feb 11 09:15 AM

Page Number : 1
Vial Number : 27
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



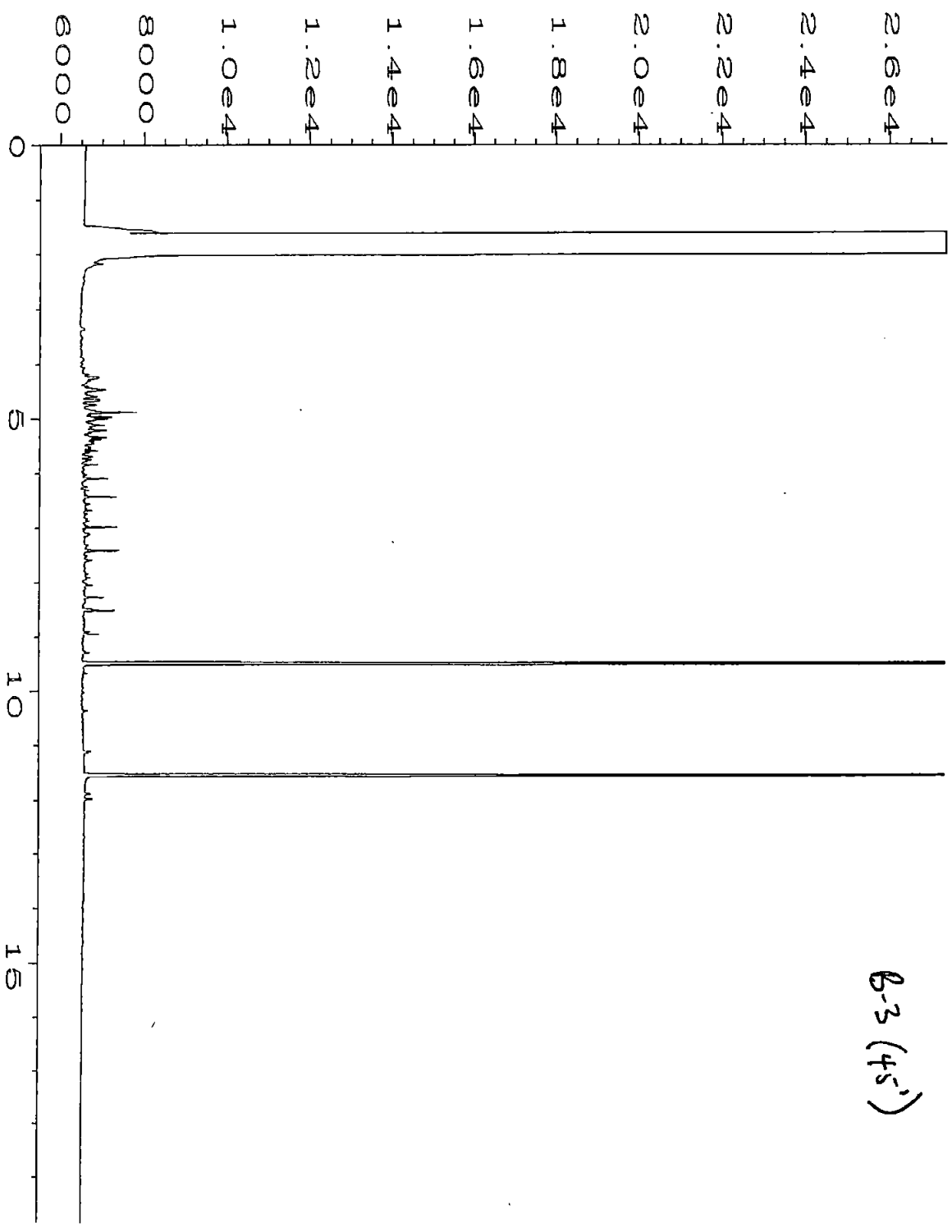
B-3 (35')

Data File Name	: C:\HPCHEM\1\DATA\02-16-11\028F0901.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 28
Sample Name	: 102177-04	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 9
Acquired on	: 16 Feb 11 10:36 PM	Instrument Method	: TPHD.MTH
Report Created on	: 17 Feb 11 09:15 AM	Analysis Method	: TPHD.MTH



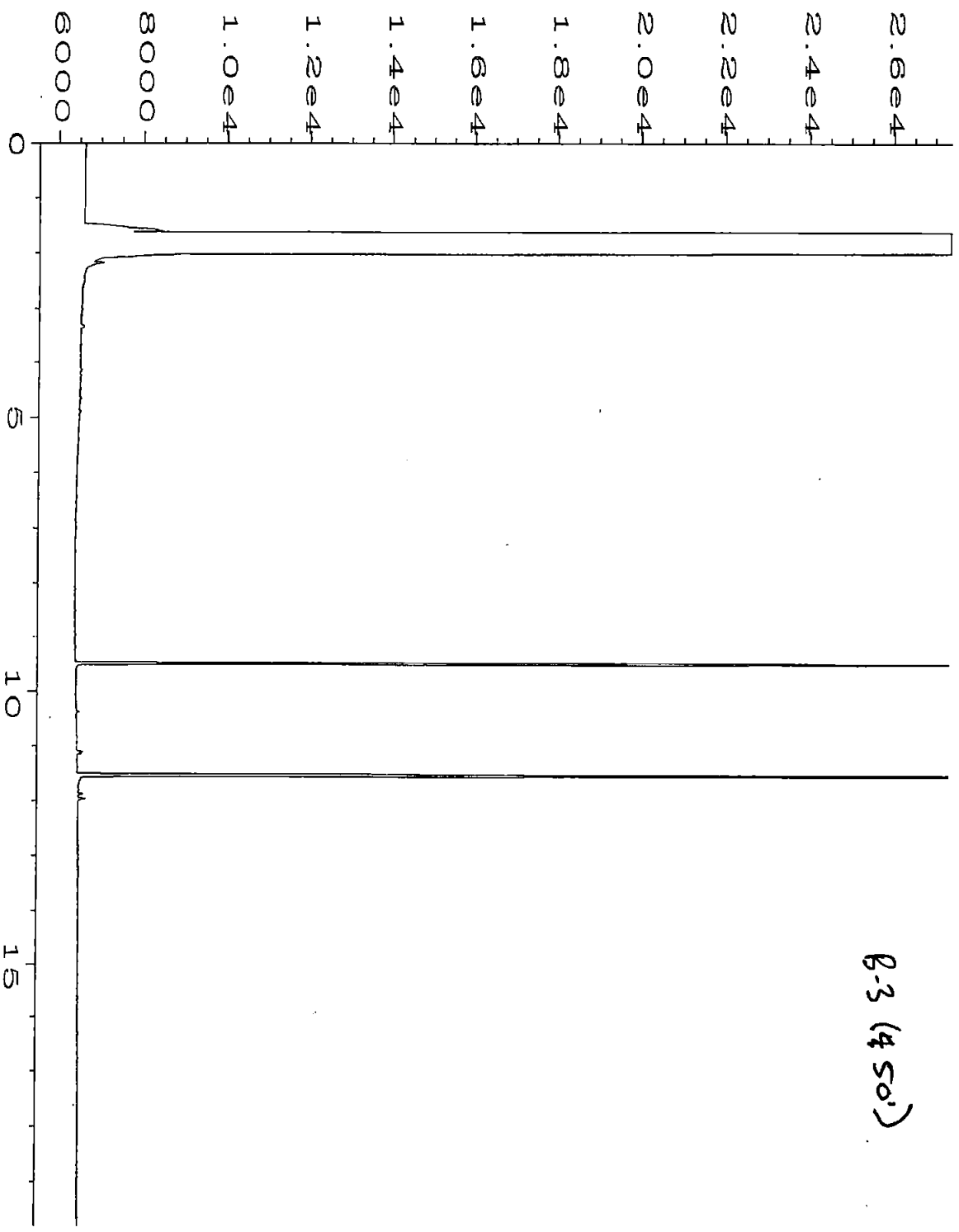
Data File Name : C:\HPCHEM\1\DATA\02-16-11\029F0901.D
Operator : ML
Instrument : GC1
Sample Name : 102177-05
Run Time Bar Code:
Acquired on : 16 Feb 11 11:02 PM
Report Created on: 17 Feb 11 09:15 AM

Page Number : 1
Vial Number : 29
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



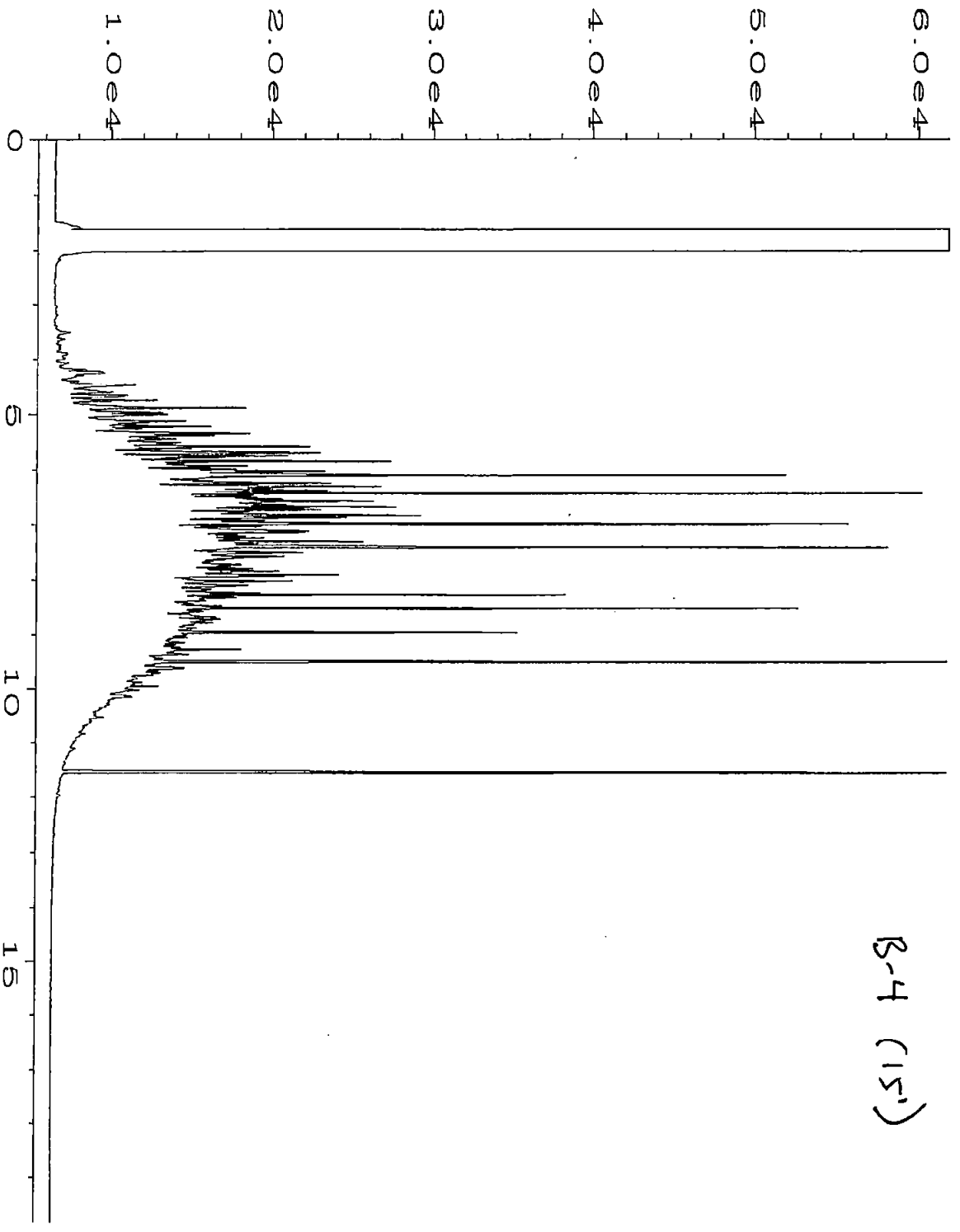
Data File Name : C:\HPCHEM\1\DATA\02-16-11\030F0901.D
Operator : ML
Instrument : GC1
Sample Name : 102177-06
Run Time Bar Code:
Acquired on : 16 Feb 11 11:29 PM
Report Created on: 17 Feb 11 09:16 AM

Page Number : 1
Vial Number : 30
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\1\DATA\02-16-11\031F0901.D
Operator : ML
Instrument : GC1
Sample Name : 102177-07
Run Time Bar Code:
Acquired on : 16 Feb 11 11:56 PM
Report Created on: 17 Feb 11 09:16 AM

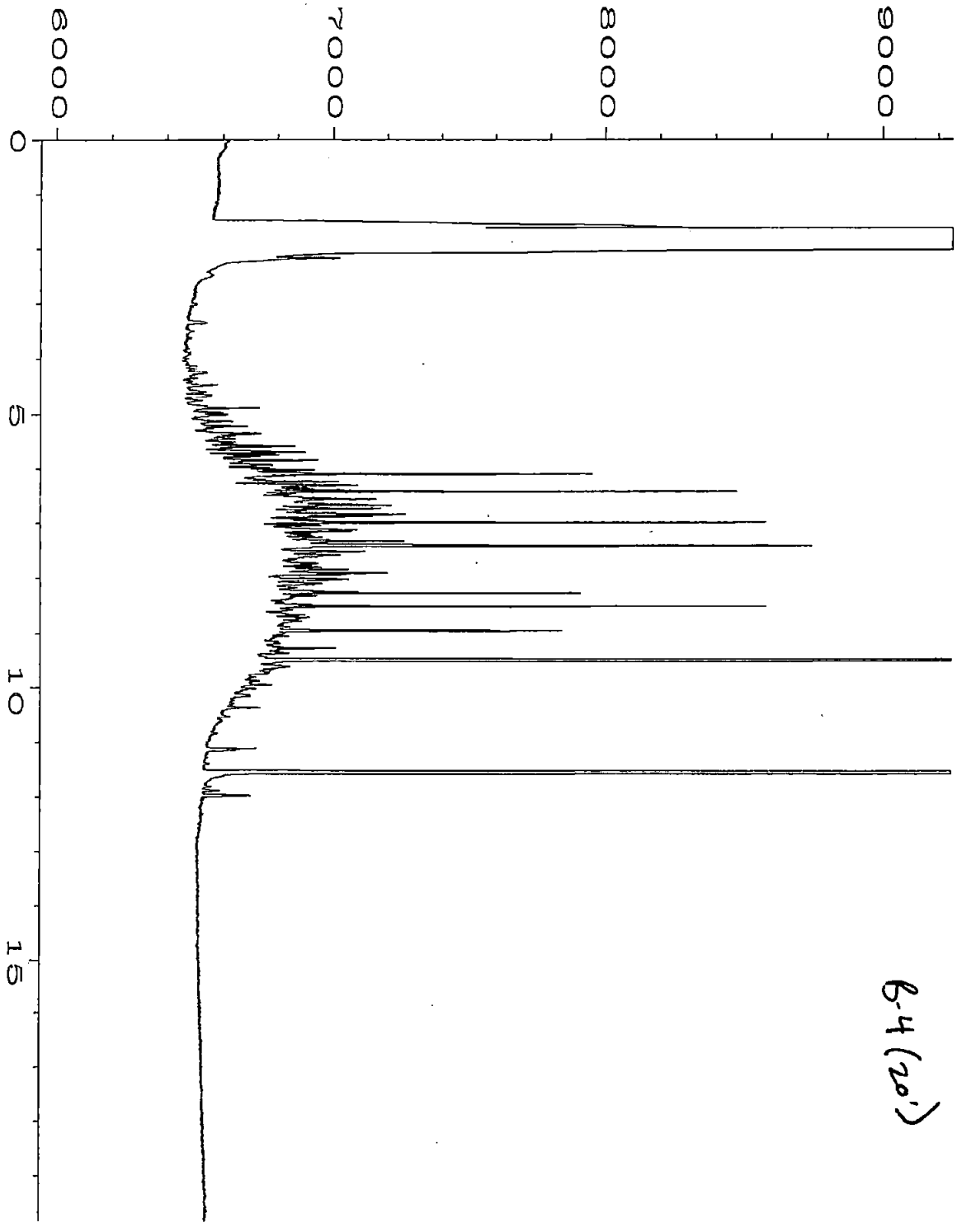
Page Number : 1
Vial Number : 31
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



B-4 (15)

Data File Name : C:\HPCHEM\1\DATA\02-16-11\032F0901.D
Operator : ML
Instrument : GC1
Sample Name : 102177-08
Run Time Bar Code:
Acquired on : 17 Feb 11 00:23 AM
Report Created on: 17 Feb 11 09:16 AM

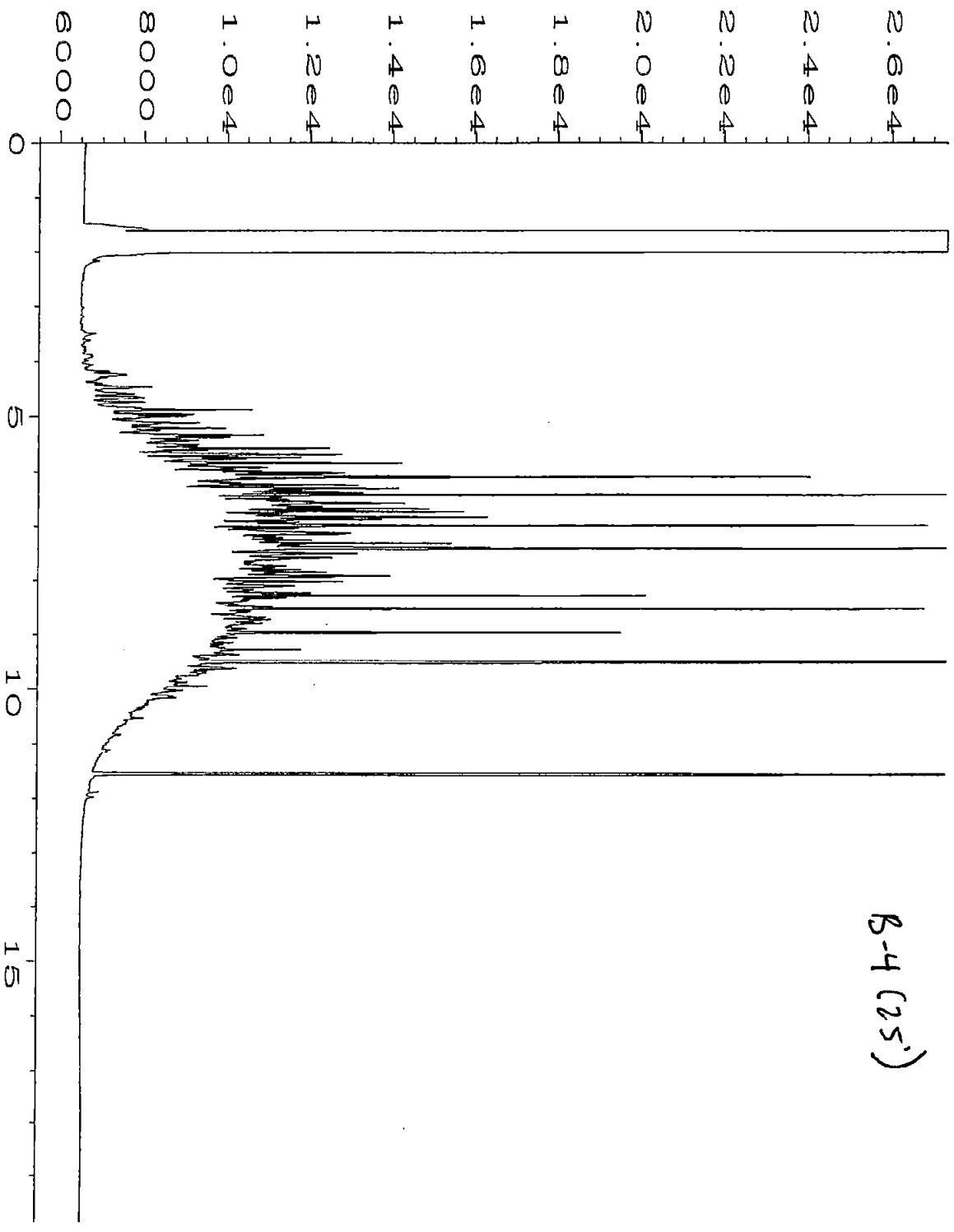
Page Number : 1
Vial Number : 32
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



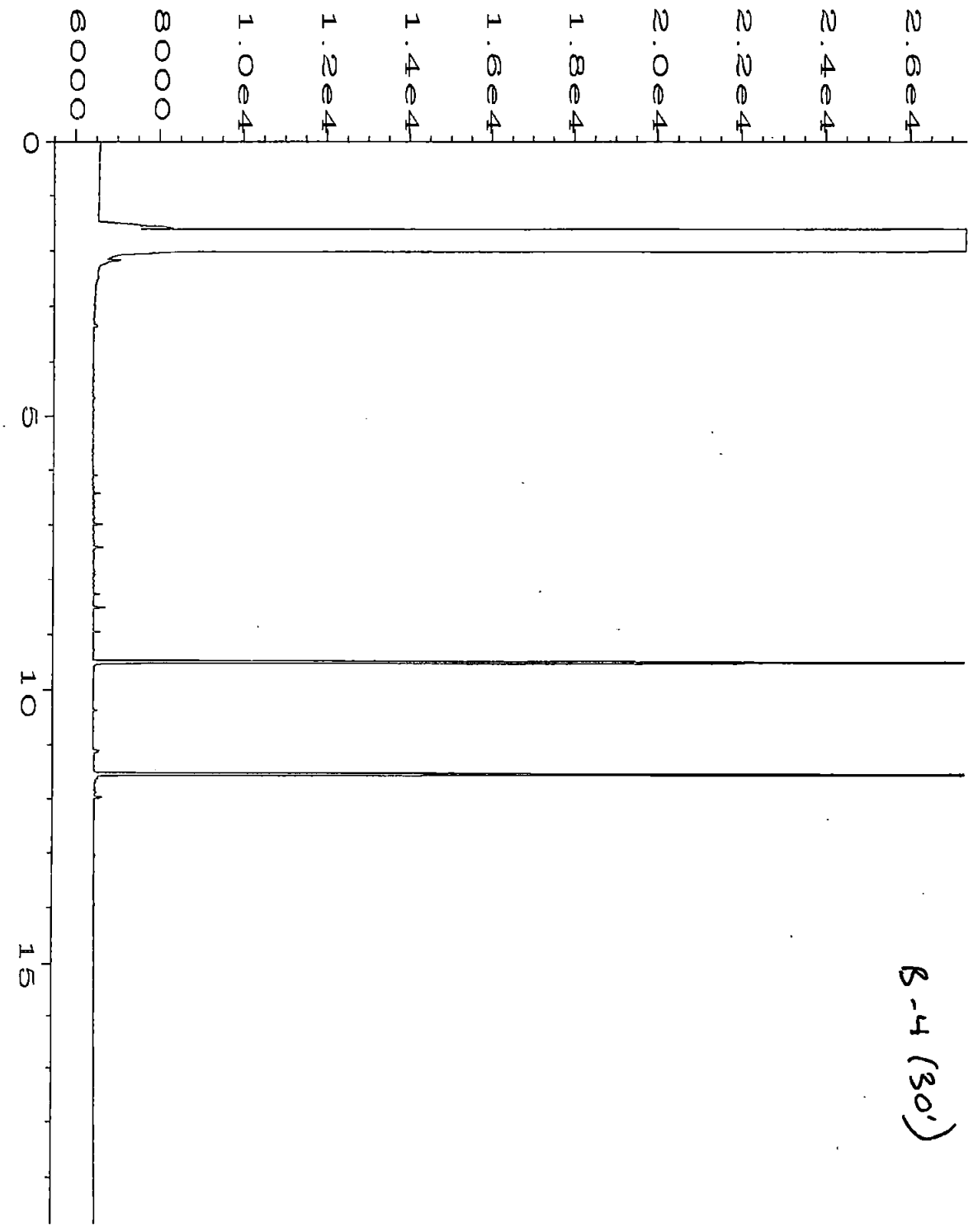
B-4 (20')

Data File Name : C:\HPCHEM\1\DATA\02-16-11\033F0901.D
Operator : ML
Instrument : GC1
Sample Name : 102177-09
Run Time Bar Code:
Acquired on : 17 Feb 11 00:50 AM
Report Created on: 17 Feb 11 09:16 AM

Page Number : 1
Vial Number : 33
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

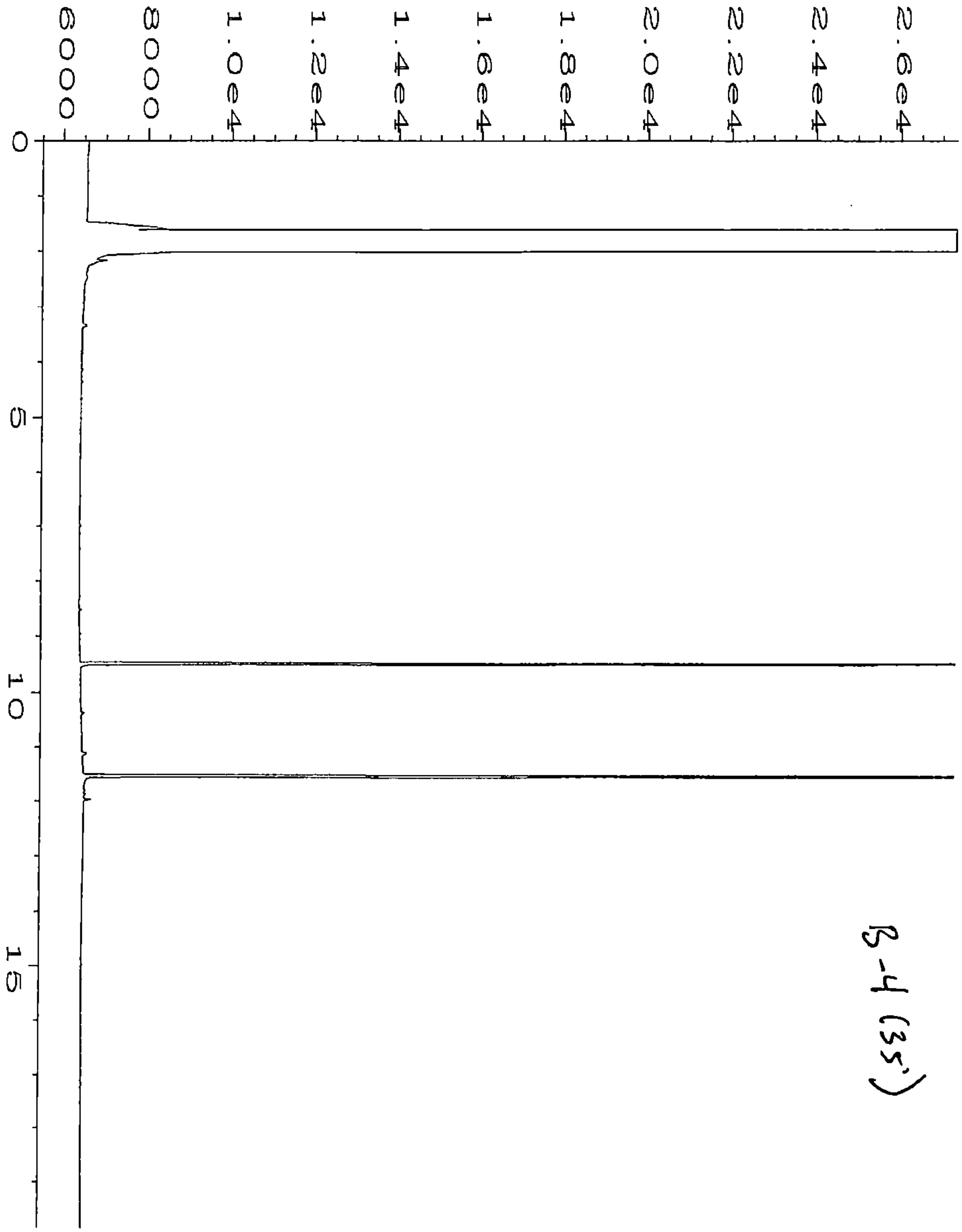


Data File Name	: C:\HPCHEM\1\DATA\02-16-11\034F0901.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 34
Sample Name	: 102177-10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 9
Acquired on	: 17 Feb 11 01:17 AM	Instrument Method	: TPHD.MTH
Report Created on	: 17 Feb 11 09:16 AM	Analysis Method	: TPHD.MTH



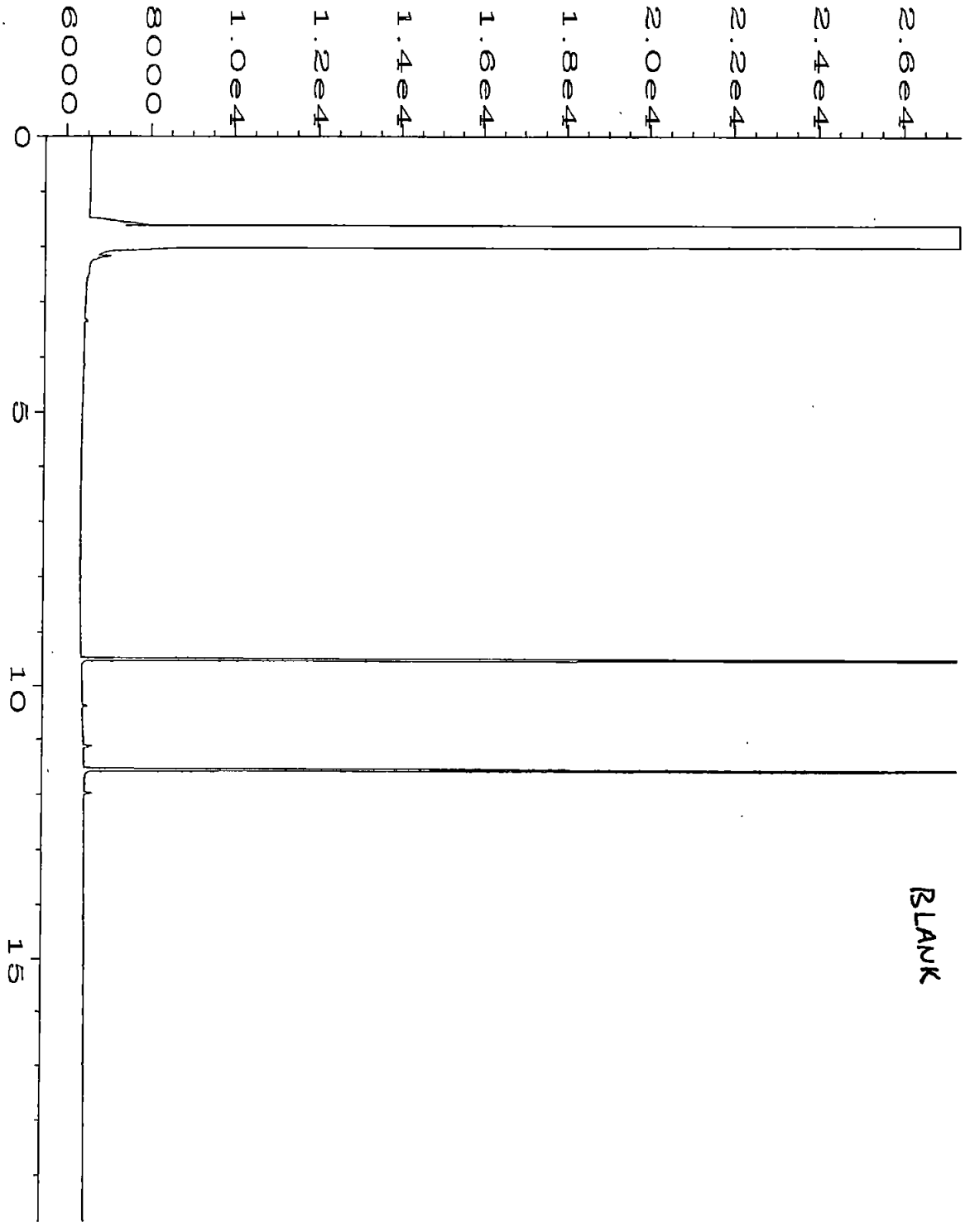
Data File Name : C:\HPCHEM\1\DATA\02-16-11\035F0901.D
Operator : ML
Instrument : GC1
Sample Name : 102177-11
Run Time Bar Code:
Acquired on : 17 Feb 11 01:44 AM
Report Created on: 17 Feb 11 09:16 AM

Page Number : 1
Vial Number : 35
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



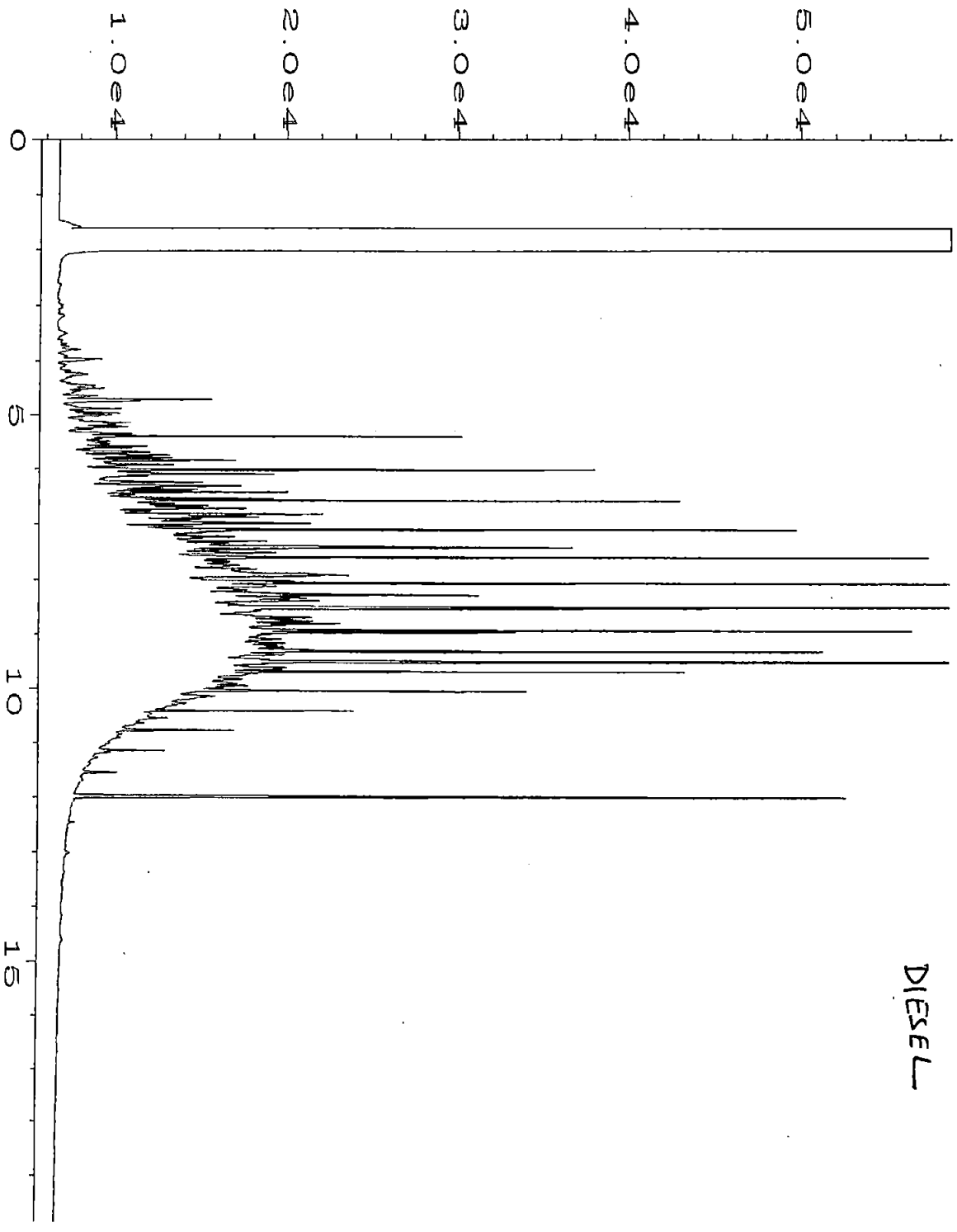
Data File Name : C:\HPCHEM\1\DATA\02-16-11\036F0901.D
Operator : ML
Instrument : GC1
Sample Name : 102177-12
Run Time Bar Code:
Acquired on : 17 Feb 11 02:11 AM
Report Created on: 17 Feb 11 09:16 AM

Page Number : 1
Vial Number : 36
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\1\DATA\02-16-11\023F0701.D
Operator : ML
Instrument : GC1
Sample Name : 01-0288 mb
Run Time Bar Code:
Acquired on : 16 Feb 11 07:28 PM
Report Created on: 17 Feb 11 09:15 AM

Page Number : 1
Vial Number : 23
Injection Number : 1
Sequence Line : 7
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name	: C:\HPCHEM\1\DATA\02-16-11\003F0201.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 3
Sample Name	: 500 WADF 32-197D	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 2
Acquired on	: 16 Feb 11 09:13 AM	Instrument Method	: TPHD.MTH
Report Created on	: 17 Feb 11 09:15 AM	Analysis Method	: TPHD.MTH

2930 Westlake Ave N Suite 100
Seattle, WA 98109
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Friedman and Bruya, Inc.
Attn: Michael Erdahl
3012 16th Ave W.
Seattle, WA 98119

RE: 102177
Fremont Project No: CHM110218-3
Friedman & Bruya Project No: A-864

February 22nd, 2011

Michael:

Enclosed are the analytical results for the ***102177*** soil samples submitted to Fremont Analytical on February 18th, 2011.

Examination of these samples was conducted for the presence of the following:

- ***Volatile Petroleum Hydrocarbons by NWVPH***
- ***Extractable Petroleum Hydrocarbons by NWEPH***

These applications were performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied.

Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal

mikedee@fremontanalytical.com

Fremont Analytical

2930 Westlake Ave. N., Suite 100
Seattle, WA 98109

T: 206.352.3790
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email: info@fremontanalytical.com

Analysis of Volatile Petroleum Hydrocarbons in Soil by NWVPH

Project: 102177
Client: Friedman & Bruya
Client Project #: A-864
Lab Project #: CHM110218-3

NWVPH (mg/kg)	MRL	Method Blank	LCS	B-4 (15')	B-4 (20')	B-4 (25')
Date Collected				2/16/11	2/16/11	2/16/11
Date Preserved				2/18/11	2/18/11	2/18/11
Date Analyzed		2/18/11	2/18/11	2/18/11	2/18/11	2/18/11
Matrix				Soil	Soil	Soil
Targeted Analytes						
Benzene	0.05	nd	89.3%	**0.749**	nd	nd
Toluene	0.05	nd	96.0%	**1.79**	nd	**0.512**
Ethylbenzene	0.05	nd	96.9%	**6.67**	**0.167**	**0.958**
m,p-Xylenes	0.05	nd	77.8%	**5.98**	**0.186**	**1.33**
o-Xylenes	0.05	nd	99.4%	**3.70**	nd	nd
Naphthalene	0.05	nd	78.8%	**127**	nd	nd
Hexane	0.05	nd	84.6%	nd	nd	nd
Hydrocarbon Parameters						
C5-C6 (FID) *Aliphatics**	0.05	nd		nd	nd	nd
C6-C8 (FID) *Aliphatics**	0.05	nd		nd	nd	nd
C8-C10 (FID) *Aliphatics**	0.05	nd		nd	nd	**4.67**
C10-C12 (FID) *Aliphatics**	0.05	nd		**11.2**	nd	**11.1**
C8-C10 (PID) *Aromatics*	0.05	nd		**29.2**	**1.01**	**8.56**
C10-C12 (PID) *Aromatics*	0.05	nd		**132**	**4.43**	**37.7**
C12-C13 (PID) *Aromatics*	0.05	nd		**68.5**	**5.66**	**27.2**
Surrogate Recovery						
Triflourotoluene		83%	84%	90%	86%	71%
Bromoflourobenzene		72%	76%	*int*	95%	95%

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD = 65% to 135%
Surrogate Concentration = 0.25 mg/kg
Spike Concentration = 5.0 mg/kg

Fremont Analytical

2930 Westlake Ave. N., Suite 100
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Analysis of Volatile Petroleum Hydrocarbons in Soil by NWVPH

Project: 102177
Client: Friedman & Bruya
Client Project #: A-864
Lab Project #: CHM110218-3

			Duplicate		MS
NWVPH (mg/kg)	**MRL**	*110218-2-1*	*110218-2-1*	**RPD %**	*110218-2-2*
Date Collected		2/16/11	2/16/11		2/16/11
Date Preserved		2/18/11	2/18/11		2/18/11
Date Analyzed		2/18/11	2/18/11		2/18/11
Matrix		Soil	Soil		Soil
Targeted Analytes					
Benzene	0.05	nd	nd		80.4%
Toluene	0.05	nd	nd		84.4%
Ethylbenzene	0.05	nd	nd		88.3%
m,p-Xylenes	0.05	**0.0896**	**0.0745**	18%	71.0%
o-Xylenes	0.05	**0.0852**	**0.0676**	23%	87.8%
Naphthalene	0.05	**2.62**	**2.95**	12%	113%
Hexane	0.05	nd	nd		96.7%
Hydrocarbon Parameters					
C5-C6 (FID) *Aliphatics**	0.05	nd	nd		
C6-C8 (FID) *Aliphatics**	0.05	nd	nd		
C8-C10 (FID) *Aliphatics**	0.05	**14.0**	**18.9**	30%	
C10-C12 (FID) *Aliphatics**	0.05	**37.2**	**38.0**	2%	
C8-C10 (PID) *Aromatics*	0.05	**8.08**	**8.57**	6%	
C10-C12 (PID) *Aromatics*	0.05	**29.8**	**28.2**	5%	
C12-C13 (PID) *Aromatics*	0.05	**22.7**	**26.0**	14%	
Surrogate Recovery					
Triflourotoluene		95%	95%		98%
Bromoflourobenzene		101%	102%		128%

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD = 65% to 135%
Surrogate Concentration = 0.25 mg/kg
Spike Concentration = 5.0 mg/kg

Fremont Analytical

2930 Westlake Ave. N., Suite 100
Seattle, WA 98109

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email: info@fremontanalytical.com

Analysis of Extractable Petroleum Hydrocarbons in Soil by NWEPH

Project: 102177
Client: Friedman & Bruya
Client Project #: A-864
Lab Project #: CHM110218-3

NWEPH (mg/kg)	MRL	Method Blank	LCS	B-4 (15')	110218-2-3	Duplicate 110218-2-3	RPD %
Date Extracted				2/18/11	2/18/11	2/18/11	
Date Analyzed		2/22/11	2/22/11	2/22/11	2/22/11	2/22/11	
Matrix				Soil	Soil	Soil	
Aromatic Hyrdrocarbon (Ranges)							
C8-C10	5.0	nd	118%	**9.47**	**1.30**	**1.33**	2%
C10-C12	5.0	nd	99.2%	**117**	**1.27**	**1.49**	16%
C12-C16	5.0	nd	100%	**431**	**14.4**	**13.8**	4%
C16-C21	5.0	nd	93.2%	**541**	**48.5**	**47.5**	2%
C21-C34	5.0	nd	102%	**101**	**12.2**	**11.2**	8%
Aliphatic Hydrocarbon (Ranges)							
C8-C10	5.0	nd	93.6%	**167**	**1.78**	**1.79**	0.3%
C10-C12	5.0	nd	92.6%	**906**	**45.2**	**45.4**	0.5%
C12-C16	5.0	nd	93.4%	**1800**	**299**	**281**	6%
C16-C21	5.0	nd	94.6%	**1190**	**272**	**266**	2%
C21-C34	5.0	nd	102%	**139**	**695**	**664**	5%
Surrogate Recovery							
o-terphenyl		105%	101%	114%	104%	100%	
1-chlorooctadecane		93%	110%	108%	118%	105%	

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 140%
LCS, LCSD = 65% to 140%
Surrogate Concentration = 10 mg/kg
Spike Concentration = 100 mg/kg

SUBCONTRACT SAMPLE CHAIN OF CUSTODY

CHM140218-3

Page # 1 of 1

Send Report To Michael Erdahl

Company Friedman and Bruya, Inc.

Address 3012 16th Ave W

City, State, ZIP Seattle, WA 98119

Phone # (206) 285-8282 Fax # (206) 283-5044

SUBCONTRACTER Fremont

PROJECT NAME/NO. 102177

PO # A-864

REMARKS

Please Email Results
merdahl@friedmanandbruya.com

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 2 day

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: Oil and Grease	EPH	VPH	Nitrate	Sulfate	Alkalinity					Notes
																Dry Wt
B-4 (15')		2/16/11	1230	Soil	2		x	x								89 %
B-4 (20')		"	1250	"	2			x								91 %
B-4 (25')		"	0115	↓	2			x								90 %

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Michael Erdahl	Friedman & Bruya	2/17/11	4:00PM
Received by:		Troy Zehr	FA	2/18/11	9:28
Relinquished by:					
Received by:					

102177

SAMPLE CHAIN OF CUSTODY

ME 02/16/11 VS2/D03

1 of 2

Send Report To Greg McCormick

Company Environmental Partners

Address 295 ~~NE 10th Place~~ Gilman Blvd

City, State, ZIP ~~Sammamish~~ Issaquah WA

Phone # (425) 395-0026 Fax # (425) 395-0011

SAMPLERS (*signature*)

PROJECT NAME/NO. Aurora super Rents Seattle, WA

PO#

REMARKS Need Results in 24 hrs by Thurs AM

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH Thurs

Rush charges authorized by GMC

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	EPH	VPH					Notes
B-3 (20')	01 AE	2/16/11	9:45	S	5	X	X											☑ per GM
B-3 (25')	02		9:55	S	5	X	X											2/17/11
B-3 (30')	03		10:10	S	5	X	X											MG
B-3 (35')	04		10:30	S	5	X	X											
B-3 (40')	05		10:45	S	5	X	X											
B-3 (45')	06		11:20	S	5	X	X											
B-3 (50')	07		11:30	S	5	X	X											
B-4 (15')	08		12:30	S	5	X	X					☑	☑					
B-4 (20')	09		12:50	S	5	X	X						☑					
B-4 (25')	10	↓	1:15	S	5	X	X						☑					

ANALYSES REQUESTED

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Greg McCormick	EPI	2/16/11	3:10PM
Received by:		Nhan Pham	FEBT	2/16/11	V
Relinquished by:					
Received by:			Samples received at 2 °C		

102177

SAMPLE CHAIN OF CUSTODY

ME 02/16/11 VS2/D03

Page # 2 of 2

Send Report To Greg McCormick
Company Environmental Partners
Address 295 ~~NE 10th~~ Gilman Blvd
City, State, ZIP Issaquah, WA
Phone # (425) 395-0026 Fax # (425) 395-0011

SAMPLERS (signature)

PROJECT NAME/NO. Aurora Super Rents Seattle, WA

PO#

REMARKS Need Results in 24 hrs by Thurs AM

TURNAROUND TIME
☐ Standard (2 Weeks)
☒ RUSH Thurs
Rush charges authorized by GMC

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-4 (30')	11 AE	2/16/11	1:40	S	5	X	X	X										
B-4 (35')	12 AE	1	2:00	S	5	X	X	X	-GMC									

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Greg McCormick	EPI	2/16/11	3:10PM
Received by:		Nhan Phan	FEBI	2/16/11	V
Relinquished by:					
Received by:			Samples received at 2 °C		

2930 Westlake Ave N Suite 100
Seattle, WA 98109
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Friedman and Bruya, Inc.
Attn: Michael Erdahl
3012 16th Ave W.
Seattle, WA 98119

RE: 102166
Fremont Project No: CHM110218-2
Friedman & Bruya Project No: A-864

February 22nd, 2011

Michael:

Enclosed are the analytical results for the ***102166*** soil samples submitted to Fremont Analytical on February 18th, 2011.

Examination of these samples was conducted for the presence of the following:

- ***Volatile Petroleum Hydrocarbons by NWVPH***
- ***Extractable Petroleum Hydrocarbons by NWEPH***

These applications were performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied.

Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal

mikedee@fremontanalytical.com

Fremont Analytical

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Seattle, WA 98109

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email: info@fremontanalytical.com

Analysis of Volatile Petroleum Hydrocarbons in Soil by NWVPH

Project: 102166
Client: Friedman & Bruya
Client Project #: A-864
Lab Project #: CHM110218-2

					Duplicate				MS
NWVPH (mg/kg)	**MRL**	**Method Blank**	**LCS**	**B-1 (10')**	**B-1 (10')**	**RPD %**	**B-1 (15')**	**B-1 (20')**	**B-1 (15')**
Date Collected				2/15/11	2/15/11		2/15/11	2/15/11	2/15/11
Date Preserved				2/18/11	2/18/11		2/18/11	2/18/11	2/18/11
Date Analyzed		2/18/11	2/18/11	2/18/11	2/18/11		2/18/11	2/18/11	2/18/11
Matrix				Soil	Soil		Soil	Soil	Soil
Targeted Analytes									
Benzene	0.05	nd	89.3%	nd	nd		nd	nd	80.4%
Toluene	0.05	nd	96.0%	nd	nd		nd	nd	84.4%
Ethylbenzene	0.05	nd	96.9%	nd	nd		**0.112**	nd	88.3%
m,p-Xylenes	0.05	nd	77.8%	**0.0896**	**0.0745**	18%	**0.127**	nd	71.0%
o-Xylenes	0.05	nd	99.4%	**0.0852**	**0.0676**	23%	**0.0499**	**0.0379**	87.8%
Naphthalene	0.05	nd	78.8%	**2.62**	**2.95**	12%	**3.30**	**0.668**	113%
Hexane	0.05	nd	84.6%	nd	nd		nd	nd	96.7%
Hydrocarbon Parameters									
C5-C6 (FID) *Aliphatics**	0.05	nd		nd	nd		nd	nd	
C6-C8 (FID) *Aliphatics**	0.05	nd		nd	nd		nd	nd	
C8-C10 (FID) *Aliphatics**	0.05	nd		**14.0**	**18.9**	30%	nd	**4.66**	
C10-C12 (FID) *Aliphatics**	0.05	nd		**37.2**	**38.0**	2%	nd	**18.1**	
C8-C10 (PID) *Aromatics*	0.05	nd		**8.08**	**8.57**	6%	**9.68**	**2.61**	
C10-C12 (PID) *Aromatics*	0.05	nd		**29.8**	**28.2**	5%	**31.1**	**7.74**	
C12-C13 (PID) *Aromatics*	0.05	nd		**22.7**	**26.0**	14%	**26.9**	**9.02**	
Surrogate Recovery									
Triflourotoluene		83%	84%	95%	95%		92%	88%	98%
Bromoflourobenzene		72%	76%	101%	102%		120%	131%	128%

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, MS = 65% to 135%
Surrogate Concentration = 0.25 mg/kg
Spike Concentration = 5.0 mg/kg

Fremont Analytical

2930 Westlake Ave. N., Suite 100
Seattle, WA 98109

T: 206.352.3790
F: 206.352.7178
email: info@fremontanalytical.com

Analysis of Extractable Petroleum Hydrocarbons in Soil by NWEPH

Project: 102166
Client: Friedman & Bruya
Client Project #: A-864
Lab Project #: CHM110218-2

NWEPH (mg/kg)	MRL	Method Blank	LCS	B-1 (15')	B-1 (20')	Duplicate B-1 (20')	RPD %
Date Extracted				2/18/11	2/18/11	2/18/11	
Date Analyzed		2/22/11	2/22/11	2/22/11	2/22/11	2/22/11	
Matrix				Soil	Soil	Soil	
Aromatic Hyrdrocarbon (Ranges)							
C8-C10	1.0	nd	118%	**2.90**	**1.30**	**1.33**	2%
C10-C12	1.0	nd	99.2%	**5.96**	**1.27**	**1.49**	16%
C12-C16	1.0	nd	100%	**68.5**	**14.4**	**13.8**	4%
C16-C21	1.0	nd	93.2%	**154**	**48.5**	**47.5**	2%
C21-C34	1.0	nd	102%	**45.3**	**12.2**	**11.2**	8%
Aliphatic Hydrocarbon (Ranges)							
C8-C10	1.0	nd	93.6%	**14.9**	**1.78**	**1.79**	0.3%
C10-C12	1.0	nd	92.6%	**118**	**45.2**	**45.4**	0.5%
C12-C16	1.0	nd	93.4%	**788**	**299**	**281**	6%
C16-C21	1.0	nd	94.6%	**587**	**272**	**266**	2%
C21-C34	1.0	nd	102%	**545**	**695**	**664**	5%
Surrogate Recovery							
o-terphenyl		105%	101%	116%	104%	100%	
1-chlorooctadecane		93%	110%	93%	118%	105%	

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 140%
LCS, LCSD = 65% to 140%
Surrogate Concentration = 10 mg/kg
Spike Concentration = 100 mg/kg

SUBCONTRACT SAMPLE CHAIN OF CUSTODY

CHM110218-2

Page # 1 of 1

Send Report To Michael Erdahl

Company Friedman and Bruya, Inc.

Address 3012 16th Ave W

City, State, ZIP Seattle, WA 98119

Phone # (206) 285-8282 Fax # (206) 283-5044

SUBCONTRACTER Fremont

PROJECT NAME/NO. 102166

PO # A-864

REMARKS

Please Email Results
merdahl@friedmanandbruya.com

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 2-6a
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: Oil and Grease	EPH	VPH	Nitrate	Sulfate	Alkalinity					Notes
B-1 (10')		2/15/11	10:15	Soil	2			x								Dry Weight 91%
B-1 (15')		"	10:30	"	2		x	x								94%
B-1 (25')		"	10:45	"	2		x	x								92%

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Michael Erdahl	Friedman & Bruya	2/17/11	4:00 PM
Received by:		Troy Zehr	FA	2/18/11	9:25
Relinquished by:					
Received by:					

2930 Westlake Ave N Suite 100
Seattle, WA 98109
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Friedman and Bruya, Inc.
Attn: Michael Erdahl
3012 16th Ave W.
Seattle, WA 98119

RE: 102177
Fremont Project No: CHM110218-3
Friedman & Bruya Project No: A-864

February 22nd, 2011

Michael:

Enclosed are the analytical results for the ***102177*** soil samples submitted to Fremont Analytical on February 18th, 2011.

Examination of these samples was conducted for the presence of the following:

- ***Volatile Petroleum Hydrocarbons by NWVPH***
- ***Extractable Petroleum Hydrocarbons by NWEPH***

These applications were performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied.

Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal

mikedee@fremontanalytical.com

Fremont Analytical

2930 Westlake Ave. N., Suite 100
Seattle, WA 98109

T: 206.352.3790
F: 206.352.7178
email: info@fremontanalytical.com

Analysis of Volatile Petroleum Hydrocarbons in Soil by NWVPH

Project: 102177
Client: Friedman & Bruya
Client Project #: A-864
Lab Project #: CHM110218-3

NWVPH (mg/kg)	MRL	Method Blank	LCS	B-4 (15')	B-4 (20')	B-4 (25')
Date Collected				2/16/11	2/16/11	2/16/11
Date Preserved				2/18/11	2/18/11	2/18/11
Date Analyzed		2/18/11	2/18/11	2/18/11	2/18/11	2/18/11
Matrix				Soil	Soil	Soil
Targeted Analytes						
Benzene	0.05	nd	89.3%	**0.749**	nd	nd
Toluene	0.05	nd	96.0%	**1.79**	nd	**0.512**
Ethylbenzene	0.05	nd	96.9%	**6.67**	**0.167**	**0.958**
m,p-Xylenes	0.05	nd	77.8%	**5.98**	**0.186**	**1.33**
o-Xylenes	0.05	nd	99.4%	**3.70**	nd	nd
Naphthalene	0.05	nd	78.8%	**127**	nd	nd
Hydrocarbon Parameters						
C5-C6 (FID) *Aliphatics**	0.05	nd		nd	nd	nd
C6-C8 (FID) *Aliphatics**	0.05	nd		nd	nd	nd
C8-C10 (FID) *Aliphatics**	0.05	nd		nd	nd	**4.67**
C10-C12 (FID) *Aliphatics**	0.05	nd		**11.2**	nd	**11.1**
C8-C10 (PID) *Aromatics*	0.05	nd		**29.2**	**1.01**	**8.56**
C10-C12 (PID) *Aromatics*	0.05	nd		**132**	**4.43**	**37.7**
C12-C13 (PID) *Aromatics*	0.05	nd		**68.5**	**5.66**	**27.2**
Surrogate Recovery						
Triflourotoluene		83%	84%	90%	86%	71%
Bromoflourobenzene		72%	76%	*int*	95%	95%

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD = 65% to 135%
Surrogate Concentration = 0.25 mg/kg
Spike Concentration = 5.0 mg/kg

Fremont Analytical

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Seattle, WA 98109

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email: info@fremontanalytical.com

Analysis of Volatile Petroleum Hydrocarbons in Soil by NWVPH

Project: 102177
Client: Friedman & Bruya
Client Project #: A-864
Lab Project #: CHM110218-3

			Duplicate		MS
NWVPH (mg/kg)	**MRL**	*110218-2-1*	*110218-2-1*	**RPD %**	*110218-2-2*
Date Collected		2/16/11	2/16/11		2/16/11
Date Preserved		2/18/11	2/18/11		2/18/11
Date Analyzed		2/18/11	2/18/11		2/18/11
Matrix		Soil	Soil		Soil
Targeted Analytes					
Benzene	0.05	nd	nd		80.4%
Toluene	0.05	nd	nd		84.4%
Ethylbenzene	0.05	nd	nd		88.3%
m,p-Xylenes	0.05	**0.0896**	**0.0745**	18%	71.0%
o-Xylenes	0.05	**0.0852**	**0.0676**	23%	87.8%
Naphthalene	0.05	**2.62**	**2.95**	12%	113%
Hydrocarbon Parameters					
C5-C6 (FID) *Aliphatics**	0.05	nd	nd		
C6-C8 (FID) *Aliphatics**	0.05	nd	nd		
C8-C10 (FID) *Aliphatics**	0.05	**14.0**	**18.9**	30%	
C10-C12 (FID) *Aliphatics**	0.05	**37.2**	**38.0**	2%	
C8-C10 (PID) *Aromatics*	0.05	**8.08**	**8.57**	6%	
C10-C12 (PID) *Aromatics*	0.05	**29.8**	**28.2**	5%	
C12-C13 (PID) *Aromatics*	0.05	**22.7**	**26.0**	14%	
Surrogate Recovery					
Triflourotoluene		95%	95%		98%
Bromoflourobenzene		101%	102%		128%

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
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Surrogate = 65% to 135%
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Surrogate Concentration = 0.25 mg/kg
Spike Concentration = 5.0 mg/kg

Fremont Analytical

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email: info@fremontanalytical.com

Analysis of Extractable Petroleum Hydrocarbons in Soil by NWEPH

Project: 102177
Client: Friedman & Bruya
Client Project #: A-864
Lab Project #: CHM110218-3

NWEPH (mg/kg)	MRL	Method Blank	LCS	B-4 (15')	110218-2-3	Duplicate 110218-2-3	RPD %
Date Extracted				2/18/11	2/18/11	2/18/11	
Date Analyzed		2/22/11	2/22/11	2/22/11	2/22/11	2/22/11	
Matrix				Soil	Soil	Soil	
Aromatic Hyrdrocarbon (Ranges)							
C8-C10	5.0	nd	118%	**9.47**	**1.30**	**1.33**	2%
C10-C12	5.0	nd	99.2%	**117**	**1.27**	**1.49**	16%
C12-C16	5.0	nd	100%	**431**	**14.4**	**13.8**	4%
C16-C21	5.0	nd	93.2%	**541**	**48.5**	**47.5**	2%
C21-C34	5.0	nd	102%	**101**	**12.2**	**11.2**	8%
Aliphatic Hydrocarbon (Ranges)							
C8-C10	5.0	nd	93.6%	**167**	**1.78**	**1.79**	0.3%
C10-C12	5.0	nd	92.6%	**906**	**45.2**	**45.4**	0.5%
C12-C16	5.0	nd	93.4%	**1800**	**299**	**281**	6%
C16-C21	5.0	nd	94.6%	**1190**	**272**	**266**	2%
C21-C34	5.0	nd	102%	**139**	**695**	**664**	5%
Surrogate Recovery							
o-terphenyl		105%	101%	114%	104%	100%	
1-chlorooctadecane		93%	110%	108%	118%	105%	

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 140%
LCS, LCSD = 65% to 140%
Surrogate Concentration = 10 mg/kg
Spike Concentration = 100 mg/kg

SUBCONTRACT SAMPLE CHAIN OF CUSTODY

CHM140218-3

Page # 1 of 1

Send Report To Michael Erdahl

Company Friedman and Bruya, Inc.

Address 3012 16th Ave W

City, State, ZIP Seattle, WA 98119

Phone # (206) 285-8282 Fax # (206) 283-5044

SUBCONTRACTER Fremont

PROJECT NAME/NO. 102177

PO # A-864

REMARKS

Please Email Results
merdahl@friedmanandbruya.com

TURNAROUND TIME

☐ Standard (2 Weeks)

☒ RUSH 2 day

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: Oil and Grease	EPH	VPH	Nitrate	Sulfate	Alkalinity					Notes
																Dry Wt
B-4 (15')		2/16/11	1230	Soil	2		X	X								89 %
B-4 (20')		"	1250	"	2			X								91 %
B-4 (25')		"	0115	↓	2			X								90 %

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Michael Erdahl	Friedman & Bruya	2/17/11	4:00PM.
Received by:		Tracy Zehr	FA	2/18/11	9:28
Relinquished by:					
Received by:					

Attachment D

MTCA Method B Cleanup Level Calculations

A1 Soil Cleanup Levels: Worksheet for Soil Data Entry: Refer to WAC 173-340-720, 740,745, 747, 750

1. Enter Site Information

Date: 04/15/06
Site Name: ooo
Sample Name: 0

2. Enter Soil Concentration Measured

Chemical of Concern or Equivalent Carbon Group	Measured Soil Conc dry basis mg/kg	Composition Ratio %
Petroleum EC Fraction		
AL_EC>5-6		0.00%
AL_EC>6-8		0.00%
AL_EC>8-10	167	3.00%
AL_EC>10-12	906	16.29%
AL_EC>12-16	1800	32.36%
AL_EC>16-21	1190	21.39%
AL_EC>21-34	139	2.50%
AR_EC>8-10	29.2	0.52%
AR_EC>10-12	132	2.37%
AR_EC>12-16	431	7.75%
AR_EC>16-21	541	9.72%
AR_EC>21-34	101	1.82%
Benzene		0.00%
Toluene		0.00%
Ethylbenzene		0.00%
Total Xylenes		0.00%
Naphthalene	127	2.28%
1-Methyl Naphthalene		0.00%
2-Methyl Naphthalene		0.00%
n-Hexane		0.00%
MTBE		0.00%
Ethylene Dibromide (EDB)		0.00%
1,2 Dichloroethane (EDC)		0.00%
Benzo(a)anthracene		0.00%
Benzo(b)fluoranthene		0.00%
Benzo(k)fluoranthene		0.00%
Benzo(a)pyrene		0.00%
Chrysene		0.00%
Dibenz(a,h)anthracene		0.00%
Indeno(1,2,3-cd)pyrene		0.00%
Sum	5563.2	100.00%

Notes for Data Entry | Set Default Hydrogeology

Clear All Soil Concentration Data Entry Cells

Restore All Soil Concentration Data cleared previously

REMARK:
Enter site-specific information here.....

3. Enter Site-Specific Hydrogeological Data

Total soil porosity:	0.43	Unitless
Volumetric water content:	0.3	Unitless
Volumetric air content:	0.13	Unitless
Soil bulk density measured:	1.5	kg/L
Fraction Organic Carbon:	0.001	Unitless
Dilution Factor:	20	Unitless

4. Target TPH Ground Water Concentation (if adjusted)

If you adjusted the target TPH ground water concentration, enter adjusted value here:	500	ug/L

A2 Soil Cleanup Levels: Calculation and Summary of Results. Refer to WAC 173-340-720, 740, 745, 747, 750

Site Information

Date: 4/15/2006
Site Name: ooo
Sample Name: 0
Measured Soil TPH Concentration, mg/kg: **5,563.200**

1. Summary of Calculation Results

Exposure Pathway	Method/Goal	Protective Soil TPH Conc, mg/kg	With Measured Soil Conc		Does Measured Soil Conc Pass or Fail?
			RISK @	HI @	
Protection of Soil Direct Contact: Human Health	Method B	2,420	0.00E+00	2.30E+00	Fail
	Method C	32,362	0.00E+00	1.72E-01	Pass
Protection of Method B Ground Water Quality (Leaching)	Potable GW: Human Health Protection	100% NAPL	0.00E+00	6.75E-01	Pass
	Target TPH GW Conc. @ 500 ug/L	100% NAPL	NA	NA	Pass

Warning! Check to determine if a simplified or site-specific Terrestrial Ecological Evaluation may be required (Refer to WAC 173-340-7490 through ~7494).

Warning! Check Residual Saturation (WAC340-747(10)).

2. Results for Protection of Soil Direct Contact Pathway: Human Health

	Method B: Unrestricted Land Use	Method C: Industrial Land Use
Protective Soil Concentration, TPH mg/kg	2,419.54	32,362.11
Most Stringent Criterion	HI =1	HI =1

Soil Criteria	Protective Soil Concentration @Method B				Protective Soil Concentration @Method C			
	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @
HI =1	YES	2.42E+03	0.00E+00	1.00E+00	YES	3.24E+04	0.00E+00	1.00E+00
Total Risk=1E-5	NA	NA	NA	NA	NA	NA	NA	NA
Risk of Benzene= 1E-6	NA	NA	NA	NA	NA			
Risk of cPAHs mixture= 1E-6	NA	NA	NA	NA		NA		
EDB	NA	NA	NA	NA				
EDC	NA	NA	NA	NA				

3. Results for Protection of Ground Water Quality (Leaching Pathway)

3.1. Protection of Potable Ground Water Quality (Method B): Human Health Protection

Most Stringent Criterion	NA
Protective Ground Water Concentration, ug/L	NA
Protective Soil Concentration, mg/kg	Soil-to-Ground Water is not a critical pathway!

Ground Water Criteria	Protective Potable Ground Water Concentration @Method B				Protective Soil Conc, mg/kg
	Most Stringent?	TPH Conc, ug/L	RISK @	HI @	
HI=1	YES	1.56E+02	0.00E+00	6.83E-01	100% NAPL
Total Risk = 1E-5	NA	NA	NA	NA	NA
Total Risk = 1E-6	NA	NA	NA	NA	NA
Risk of cPAHs mixture= 1E-5	NA	NA	NA	NA	NA
Benzene MCL = 5 ug/L	NA	NA	NA	NA	NA
MTBE = 20 ug/L	NA	NA	NA	NA	NA

Note: 100% NAPL is 71000 mg/kg TPH.

3.2 Protection of Ground Water Quality for TPH Ground Water Concentration previously adjusted and entered

Ground Water Criteria	Protective Ground Water Concentration			Protective Soil Conc, mg/kg
	TPH Conc, ug/L	Risk @	HI @	
Target TPH GW Conc = 500 ug/L	1.56E+02	0.00E+00	6.83E-01	100% NAPL

Attachment E

Soil Disposal Tickets

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	612961	

WEIGHMASTER
BL00024 DRINDA L

DATE IN	TIME IN
19 May 2011	3:43 pm

DATE OUT	TIME OUT
19 May 2011	3:51 pm

VEHICLE	ROLL OFF
SOIL	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 63,840.00 lb ZEPPELIN
Tare Weight 28,180.00 lb
Net Weight 35,660.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.83	TN	SW-CONT SOIL				
		Manifest				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK CHOOSE SAFETY LIVE

Do the Right Thing!

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014144 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	413549	

WEIGHMASTER	
DL00026-DEINDA L.	
DATE IN	**TIME IN**
17 May 2011	3:56 pm
DATE OUT	**TIME OUT**
17 May 2011	5:22 pm
VEHICLE	**ROLL OFF**
2011	
REFERENCE	**ORIGIN**
	SHORELINE/KING

00 Gross Weight 59,060.00 lb ZEPPELIN
Tare Weight 27,660.00 lb
Net Weight 31,400.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.70	TN	SW-CONT SOIL				
		Manifest				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK · CHOOSE · SAFETY · LIVE

It's the Right Thing!

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE ________

[redacted]

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N. Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	413996	

WEIGHMASTER
DL 00026 DEINDA !

DATE IN	TIME IN
18 May 2011	2:15 pm

DATE OUT	TIME OUT
18 May 2011	2:20 pm

VEHICLE	ROLL OFF
2011	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 58,400.00 lb ZEPPELIN
Tare Weight 28,000.00 lb
Net Weight 30,400.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.20	TN	SW-CONT SOIL WHOLE				
		Manifest:				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK CHOOSE SAFETY LIVE

It's the Right Thing!

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE ____________________

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
03	[illegible]	

WEIGHMASTER
[illegible]

DATE IN	TIME IN
18 May 2011	12:[illegible] pm

DATE OUT	TIME OUT
18 May 2011	12:[illegible] pm

VEHICLE	ROLL OFF
[illegible]	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 61,820.00 lb [illegible] EPPLIN
Tare Weight 28,200.00 lb
Net Weight [illegible]

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.81	TN	[illegible]-CONT SOIL				
		Mani[illegible]				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

It's the Right Thing!

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE ____________________

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	413799	

WEIGHMASTER	
[illegible] DENNIS L.	
DATE IN	TIME IN
18 May 2011	11:[illegible] am
DATE OUT	TIME OUT
18 May 2011	11:52 am
VEHICLE	ROLL OFF
[illegible]	
REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 61,500.00 lb ZERFLIN
Tare Weight 28,160.00 lb
Net Weight 33,340.00 lb 16.67 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.67	TN	SW-CONT SOIL				

Manual

THINK SAFETY LIVE

It's the Right Thing!

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE [signature]

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	413697	

WEIGHMASTER
DL00024 DEINDA L.

DATE IN	TIME IN
17 May 2011	1:5[illegible] pm

DATE OUT	TIME OUT
17 May 2011	1:59 pm

VEHICLE	ROLL OFF
SP71	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 65,560.00 lb 1 FRUHLING
Tare Weight 25,940.00 lb
Net Weight 39,620.00 lb 19.81 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.81	TN	SW-CONT SOIL [illegible]				
		Manif[illegible]				

THINK CHOOSE SAFETY LIVE

It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE Frank W

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
12460 Aurora Ave N, Shoreline
Shoreline, WA 98160
Contract: LW-11194

SITE	TICKET	GRID
01	412994	

WEIGHMASTER
M. DOORS DEFINDA[illegible]

DATE IN	TIME IN
18 May 2011	[illegible]

DATE OUT	TIME OUT
18 May 2011	[illegible]

VEHICLE	ROLL OFF
2011	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 65,040.00 lb [illegible] FRUHLING
Tare Weight 25,740.00 lb
Net Weight 39,300.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.65	TN	F&W-CONT SOIL W[illegible]				
		Manifest				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK CHOOSE SAFETY LIVE

It's the Right Thing!

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE [signature]

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	413440	

WEIGHMASTER
DL00025 DEINDA L

DATE IN	TIME IN
17 May 2011	12:53 pm

DATE OUT	TIME OUT
17 May 2011	12:59 pm

VEHICLE	ROLL OFF
2011	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 64,820.00 lb [illegible] FRUHLING
Tare Weight 25,980.00 lb
Net Weight 38,840.00 lb [illegible]

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.42	TN	SW-CONT SOIL [illegible]				
		Manif[illegible]				

THINK CHOOSE SAFETY LIVE

It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE Frank W

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	4123555	

WEIGHMASTER: DL00024 DRINDS L

DATE IN	TIME IN
12 May 2011	10:26 am

DATE OUT	TIME OUT
12 May 2011	10:42 am

VEHICLE: COTH
ROLL OFF:
REFERENCE:
ORIGIN: SHORELINE/KING

00 Gross Weight 62,240.00 lb FRUHLING
Tare Weight 26,060.00 lb
Net Weight 36,180.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.09	TN	SW-CONT SOIL [illegible] Manifest				

NET AMOUNT:
TENDERED:
CHANGE:
CHECK NO.:

THINK CHOOSE SAFETY LIVE
It's the Right Thing!

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE Frank W

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	613613	

WEIGHMASTER: IN 00024 DRINDA L

DATE IN	TIME IN
17 May 2011	11:50 am

DATE OUT	TIME OUT
17 May 2011	11:57 am

VEHICLE	ROLL OFF
SCL1	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 65,060.00 lb 1 FRUHLING
Tare Weight 26,000.00 lb
Net Weight 39,060.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.53	TN	SW-CONT SOIL				
		Mani				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK · CHOOSE · SAFETY · LIVE

It's the Right Thing!

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE Frank W

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SOL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-13136

SITE	TICKET	GRID
01	413557	

WEIGHMASTER
DL00024 DENNIS L.

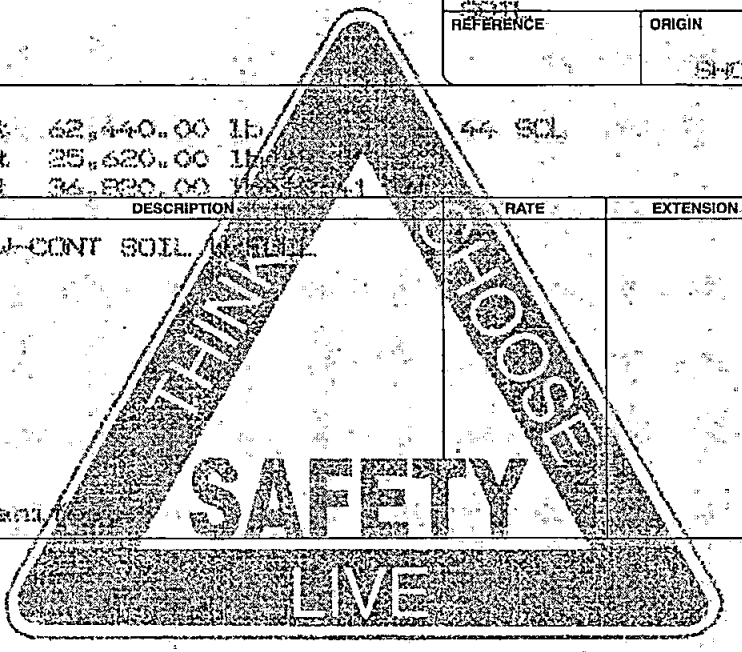
DATE IN	TIME IN
12 May 2011	3:09 pm
DATE OUT	**TIME OUT**
12 May 2011	3:13 pm
VEHICLE	**ROLL OFF**
REFERENCE	**ORIGIN**
	SHORELINE/KING

00 Gross Weight 62,440.00 lb 44 SCL
Tare Weight 25,620.00 lb
Net Weight 36,820.00 lb 16.41

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.41	TN	SW-CONT SOIL				

Manual

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



It's the Right Thing!

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE Greg Prost

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N. Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	412509	

WEIGHMASTER	
[illegible]	

DATE IN	TIME IN
17 May 2011	2:1? pm

DATE OUT	TIME OUT
17 May 2011	2:15 pm

VEHICLE	ROLL OFF
[illegible]	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 64,800.00 lb 44 SCL
Tare Weight 25,700.00 lb
Net Weight 39,100.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.55	TN	SW-CONT SOIL [illegible]				
		[illegible]				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK CHOOSE SAFETY LIVE
It's the Right Thing

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE ____________________

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SOL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	413649	

WEIGHMASTER
DL00026 DEINDA L.

DATE IN	TIME IN
17 May 2011	1:12 pm

DATE OUT	TIME OUT
17 May 2011	1:17 pm

VEHICLE	ROLL OFF
SOIL	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 64,620.00 lb [illegible] 44 SOL
Tare Weight 25,940.00 lb
Net Weight 38,680.00 lb [illegible]

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.34	TN	SW-CONT SOIL [illegible]				
		Mani[illegible]				

THINK CHOOSE SAFETY LIVE

It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE [signature]

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	412434	

WEIGHMASTER	
DL00026 DRINDA L	
DATE IN	**TIME IN**
17 May 2011	12:20 pm
DATE OUT	**TIME OUT**
17 May 2011	12:24 pm
VEHICLE	**ROLL OFF**
SCL	
REFERENCE	**ORIGIN**
	SHORELINE/KING

00 Gross Weight 63,660.00 lb 44 SCL
Tare Weight 25,780.00 lb
Net Weight 37,880.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.94	TN	SW-CONT SOIL W/DEL Manif				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK CHOOSE SAFETY LIVE

It's the Right Thing!

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE [signature]

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	413379	

WEIGHMASTER
DL00024 ORINDA 1

DATE IN	TIME IN
17 May 2011	11:10 am

DATE OUT	TIME OUT
17 May 2011	11:13 am

VEHICLE	ROLL OFF
SO11	

REFERENCE	ORIGIN
	SHORELINE/KING

.00 Gross Weight 61,300.00 lb 44 SCL
Tare Weight 25,820.00 lb
Net Weight 35,480.00 lb 17.74

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.74	TN	SW-CONT SOIL WHEEL				
		Mani[illegible]				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK · CHOOSE · SAFETY · LIVE

It's the Right Thing!

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE [signature]

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	413329	

WEIGHMASTER
DL0026 BRINDA L

DATE IN	TIME IN
17 May 2011	10:11 am

DATE OUT	TIME OUT
17 May 2011	10:15 am

VEHICLE	ROLL OFF
GS11	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 59,300.00 lb 44 SCL
Tare Weight 25,840.00 lb
Net Weight 33,460.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.73	TN	SW-CONT SOIL				
		Manifest				

247.55

THINK CHOOSE SAFETY LIVE

It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE [signature]

SITE	TICKET	GRID
01	618502	

WEIGHMASTER
[illegible]

DATE IN	TIME IN
17 May 2011	2:00 pm

DATE OUT	TIME OUT
17 May 2011	2:07 pm

VEHICLE	ROLL OFF
[illegible]	

REFERENCE	ORIGIN
	SHORELINE/KING

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11136

00 Gross Weight 68,480.00 lb [illegible] 6 FRUHLING
Tare Weight 27,800.00 lb
Net Weight 40,680.00 [illegible]

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.34	TN	SW-CONT SOIL [illegible]				
		Manifest				

THINK CHOOSE SAFETY LIVE

It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE ____________________

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N. Shoreline
Shoreline, WA
Contract: LW-1113A

SITE	TICKET	GRID
01	612369P	

WEIGHMASTER	
[illegible]	
DATE IN	**TIME IN**
17 May 2011	10:51 am
DATE OUT	**TIME OUT**
17 May 2011	11:02 am
VEHICLE	**ROLL OFF**
[illegible]	
REFERENCE	**ORIGIN**
	SHORELINE/KING

00 Gross Weight 70,500.00 lb [illegible] 4 FRUHLING
Tare Weight 28,020.00 lb
Net Weight 42,480.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.24	TN	SW-CONT. SOIL [illegible]				
		Manifest [illegible]				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK CHOOSE SAFETY LIVE

It's the Right Thing

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE ______________________

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014144 - 0001
SOL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	413423	

WEIGHMASTER
B.00026 BRINDA L

DATE IN	TIME IN
12 May 2011	12:33 PM

DATE OUT	TIME OUT
12 May 2011	12:03 PM

VEHICLE	ROLL OFF
3071	

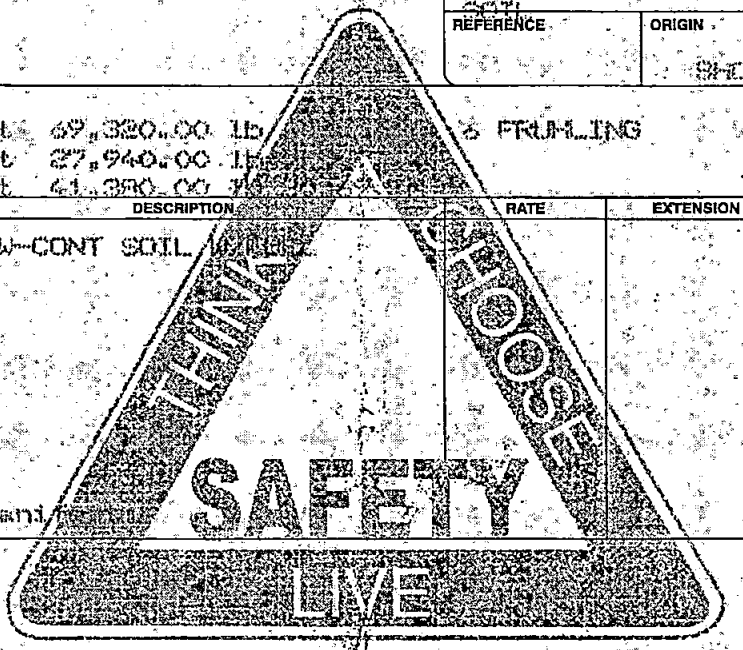
REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 69,320.00 lb 6 TRI-LING
Tare Weight 27,940.00 lb
Net Weight 41,380.00 lb 20.69 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.69	TN	SW-CONT SOIL W/ DEBRIS				

Manifest

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



It's the Right Thing!

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	413652	

WEIGHMASTER	
01-00024 DETMOS I	

DATE IN	TIME IN
12 May 2011	1:00 pm

DATE OUT	TIME OUT
12 May 2011	1:05 pm

VEHICLE	ROLL OFF
[illegible]	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 71,400.00 lb [illegible] & FRUHLING
Tare Weight 27,920.00 lb
Net Weight 43,480.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.74	TN	SW-CONT SOIL [illegible]				
		Manif[illegible]				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK CHOOSE SAFETY LIVE

It's the Right Thing

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE ____________________

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
03	413440	

WEIGHMASTER	
DL00024 DEINDA L	
DATE IN	**TIME IN**
17 May 2011	12:31 pm
DATE OUT	**TIME OUT**
17 May 2011	13:35 pm
VEHICLE	**ROLL OFF**
2571	
REFERENCE	**ORIGIN**
	SHORELINE/KING

00 Gross Weight 59,640.00 lb ZEPPLIN
Tare Weight 28,020.00 lb
Net Weight 31,620.00

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.81	TN	SW-CONT SOIL				
		Mani				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK CHOOSE SAFETY LIVE

It's the Right Thing!

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA 98144
Contract: LW-1134

SITE	TICKET	GRID
01	412364	

WEIGHMASTER: [illegible] HEATHER M

DATE IN	TIME IN
17 May 2011	10:19 am

DATE OUT	TIME OUT
17 May 2011	10:32 am

VEHICLE	ROLL OFF
2011	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 52,840.00 lb ZEPPLIN
Tare Weight 23,060.00 lb
Net Weight 29,780.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.89	TN	SW-CONT SOIL W				
		Manif				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK SAFETY LIVE

It's the Right Thing!

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SEL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	413675	

WEIGHMASTER: [illegible]

DATE IN	TIME IN
17 May 2011	1:32 pm
DATE OUT	**TIME OUT**
17 May 2011	1:50 pm

VEHICLE	ROLL OFF
[illegible]	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 59,980.00 lb ZEPPELIN
Tare Weight 27,840.00 lb
Net Weight 32,140.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.07	TN	SW-CONT SOIL				

Manifest

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK CHOOSE SAFETY LIVE

It's the Right Thing!

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE [signature]

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SOIL ENTERPRISES
17460 Aurora Ave N. Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	412519	

WEIGHTMASTER: DL000534 DEINDA L

DATE IN	TIME IN
17 May 2011	2:13 pm
DATE OUT	**TIME OUT**
17 May 2011	2:36 pm

VEHICLE	ROLL OFF
SOIL	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 56,220.00 lb ZEFFELIN
Tare Weight 27,800.00 lb
Net Weight 28,420.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.21	TN	SW-CONT SOIL				

Manual

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK LOOSE
SAFETY
LIVE

It's the Right Thing!

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	613384	

WEIGHMASTER
DL00026 DRINDA L

DATE IN	TIME IN
17 May 2011	11:24 am

DATE OUT	TIME OUT
17 May 2011	11:28 am

VEHICLE	ROLL OFF
8011	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 57,860.00 lb ZEPPELIN
Tare Weight 27,860.00 lb
Net Weight 30,000.00 [illegible]

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.00	TN	SW-CONT SOIL [illegible]				
		Manifest [illegible]				

THINK CHOOSE
SAFETY
LIVE
It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE [illegible signature]

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N. Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	[illegible]13808	

WEIGHMASTER
[illegible]

DATE IN	TIME IN
18 May 2011	11:59 am

DATE OUT	TIME OUT
18 May 2011	12:07 pm

VEHICLE	ROLL OFF
SCL	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 62,740.00 lb 1 FRUHLING
Tare Weight 26,060.00 lb
Net Weight 36,680.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.34	TN	SW-CONT SOIL [illegible]				

THINK CHOOSE
SAFETY
LIVE
It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE Frank [signature]

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014145 - 0001
SCL ENTERPRISES
17460 Aurora Ave.N. Shoreline
Shoreline, WA 98160
Contract: LW-11134

SITE	TICKET	GRID

WEIGHMASTER

DATE IN	TIME IN
18 May 2011	1:07 pm
DATE OUT	**TIME OUT**
18 May 2011	1:16 pm
VEHICLE	**ROLL OFF**
REFERENCE	**ORIGIN**
	SHORELINE/KING

00 Gross Weight: 61,640.00 lb
Tare Weight: 25,800.00 lb
Net Weight: 35,840.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.92	TN	SW-CONT SOIL				

Manifest

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

THINK SAFETY LIVE

It's the Right Thing!

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE Frank W

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	413798	

WEIGHMASTER	
DL00026 DRINDA L	
DATE IN	**TIME IN**
19 May 2011	11:36 am
DATE OUT	**TIME OUT**
19 May 2011	11:39 am
VEHICLE	**ROLL OFF**
[illegible]	
REFERENCE	**ORIGIN**
	SHORELINE/KING

00 Gross Weight 64,740.00 lb 44 SCL
Tare Weight 25,740.00 lb
Net Weight 39,000.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.50	TN	SW-CONT SOIL [illegible]				
		Manifest:				

THINK CHOOSE
SAFETY
LIVE
It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE ____________

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-11134

SITE	TICKET	GRID
01	413936	

WEIGHMASTER
BLOCCA DEINA L

DATE IN	TIME IN
18 May 2011	12:34 pm

DATE OUT	TIME OUT
18 May 2011	12:41 pm

VEHICLE	ROLL OFF
2031	

REFERENCE	ORIGIN
	SHORELINE/KING

00 Gross Weight 65,020.00 lb [illegible] 44 SCL
Tare Weight 25,580.00 lb
Net Weight 39,440.00 [illegible]

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.72	TN	SW-CONT SOIL [illegible]				
		Manif[illegible]				

THINK · CHOOSE · SAFETY · LIVE

It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE ____________

SITE	TICKET	GRID
01	413[illegible]4	

WEIGHMASTER
01 00024 ORTNDA [illegible]

DATE IN	TIME IN
18 May 2011	1:05 pm

DATE OUT	TIME OUT
18 May 2011	1:40 pm

VEHICLE	ROLL OFF
[illegible]	

REFERENCE	ORIGIN
	SHORELINE/KING

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014146 - 0001
SCL ENTERPRISES
17460 Aurora Ave N, Shoreline
Shoreline, WA
Contract: LW-13134

00 Gross Weight 60,820.00 lb [illegible] 44 SCL
Tare Weight 25,560.00 lb
Net Weight 35,260.00 lb

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.63	TN	SW-CONT SOIL [illegible]				
		Manifest:				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

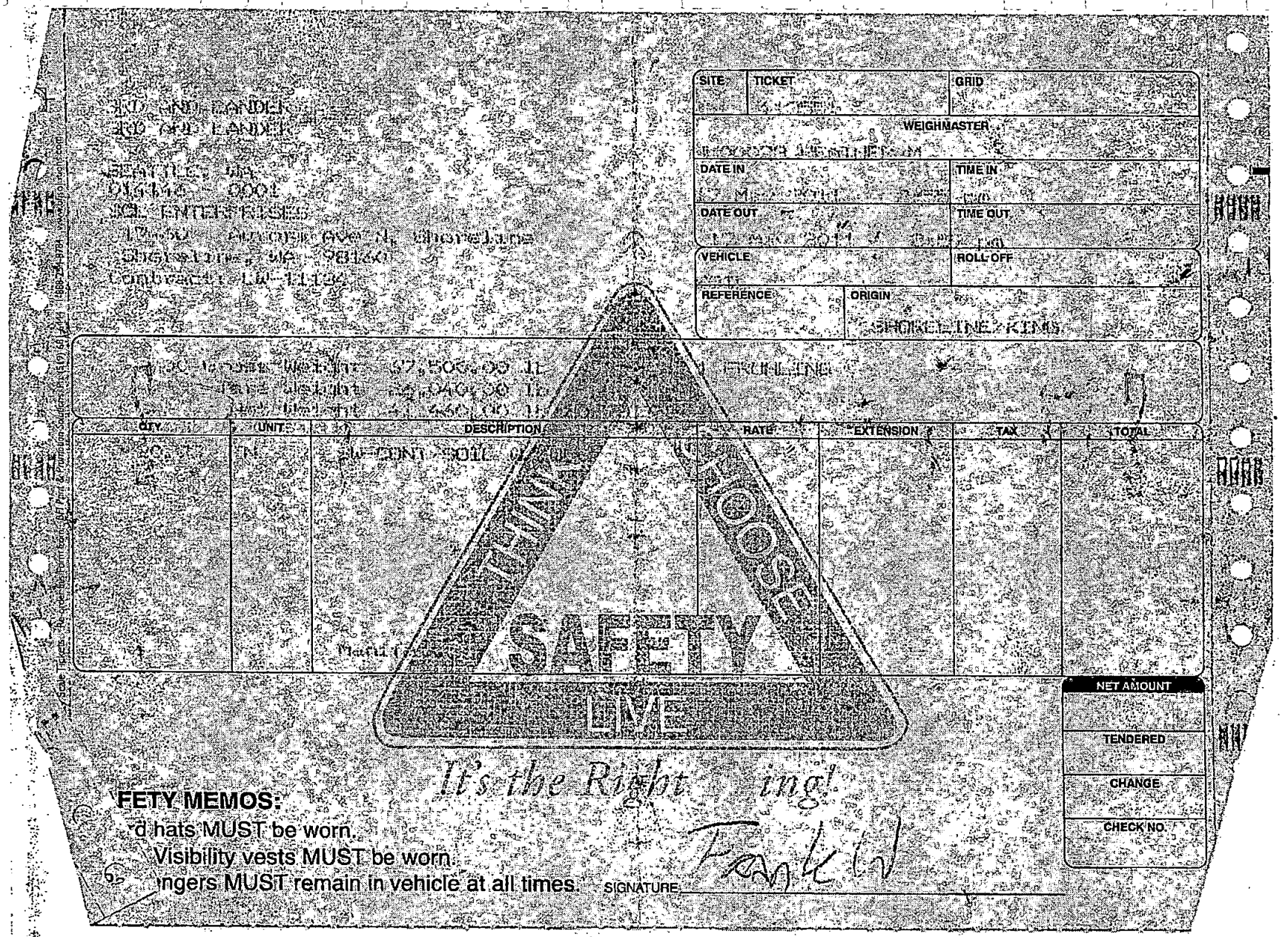
THINK · CHOOSE · SAFETY · LIVE

It's the Right Thing!

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE ____________


SITE
TICKET
GRID
WEIGHMASTER
DATE IN
TIME IN
DATE OUT
TIME OUT
VEHICLE
ROLL OFF
REFERENCE
ORIGIN
QTY.
UNIT
DESCRIPTION
RATE
EXTENSION
TAX
TOTAL
NET AMOUNT
TENDERED
CHANGE
CHECK NO.
SIGNATURE
SAFETY
It's the Right ing!
FETY MEMOS:
d hats MUST be worn.
Visibility vests MUST be worn.
ngers MUST remain in vehicle at all times.

Attachment F

Geomembrane Barrier Specification Sheet

NORTHWEST LININGS &
GEOTEXTILE PRODUCTS, Inc.
"Helping to Protect the Environment"
21000 77th Avenue South
Kent, WA 98032
(253) 872-0244 • (800) 729-6954
FAX: (253) 872-0245
www.northwestlinings.com

PermeaTex™ 4080 Nonwoven Geotextile

PermeaTex™ 4080 consists of nonwoven, polypropylene, needlepunched geotextile products that are recommended for drainage, filtration, separation, and soil reinforcement applications. Specific areas of use are subdrainage under roadways and playing fields, foundations, railway construction, rock buttresses, and slope drains. These geotextile products are resistant to ultraviolet degradation and to biological and chemical environments found in normal soil areas.

PHYSICAL PROPERTY	UNIT US Values	TEST METHOD	MARV VALUES US Values
Weight (Typical)	oz./s.y.	ASTM D3776	8
Grab Tensile	lbs	ASTM D4595	205
Grab Elongation	%	ASTM D4632	50
CBR Puncture	Lbs	ASTM D6241	525
Puncture	Lbs	ASTM D4833	130
Trapezoidal Tear	Lbs	ASTM D4533	85
Mullen Burst	psi	ASTM D3786	400
A.O.S.	U.S. Sieve	ASTM D4751	80
Water Permeability	cm/sec	ASTM D4491	0.38
Water Flow Rate	gpm/s.f.	ASTM D4491	90
Water Permittivity	sec	ASTM D4491	1.40
U.V. Resistance (500 Hours)	%	ASTM D4355	70

Note: Minimum average roll values are based on a 95% confidence level.

Physical Properties	Test Method	Spec Sheet (LG)	30 mil	
			NWL FR-30	Competitor A
Thickness	ASTM D 751	30 mil Min.	33.9 mil	34.2 mil
Weight	ASTM D 751	30 ± 2 oz/yd2	29.8 oz/yd2	30.5 oz/yd2
Tear Strength	ASTM D 4533 (Trap Tear)	44 / 55 lbs Min.	102 / 76 lbs	42 / 40 lbs
Breaking Yield Strength	ASTM D 751 (Grab, P-A)	550 / 550 lbs Min.	719 / 704lbs	591 / 635 lbs
Low Temperature Resistance	ASTM D 2136 (4hr-1/8', Mandrel)	Pass @ - 30 °F	Pass @ - 40 °F	Pass @ - 40 °F
Dimensional Stability	ASTM D 1204 (212°F/100°C) - 1hr	1.5% Max Each Direction	-0.29 / -0.07 %	1.07 / 0.7 %
Blocking Resistance	ASTM D 751 (180 °F / 82°C)	#2 Rating Max	No Block	No Block
Dead Load –Seam Shear Strength	ASTM D 751 (4-Hrs at 70°F)	Pass (70 °F @ 210 lbs)	Pass	Pass
Dead Load –Seam Shear Strength	ASTM D 751 (4-Hrs at 160°F)	Pass (160 °F @ 105 lbs)	Pass	Fail
Dead Load –Seam Shear Strength	ASTM D 751 (4-Hrs at 236°F)	Pass (236 °F @ 20 lbs)	Pass	Fail
Adhesion Heat Sealed Seam	ASTM D 751 Dielectric Weld	33 lbs / 2 in	pending	pending
Abrasion Resistance	ASTM D 3389 (H-18 Wheel 1kg) Mass %Loss / 2000cycle	30mg/100 cycles Max Coating Loss	2.89%	6.74%
Wicking	ASTM D 751	1/8 in Max	0.00 / 0.00	0.30 / 0.00
Water Absorption	ASTM D 471 (7days)	0.14 kg/m2 max @ 212 °F / 100°C	0.115	0.22
Water Absorption	ASTM D 471 (7days)	0.025 kg/m2 max @ 70 °F / 21°C	0.011	0.021
Hydrostatic Resistance	ASTMD751,Method A	800 psi Min	1085 psi	741 psi
Seam Shear Strength	ASTM D 751 Grap P-A	550 lbs Min.	690 lbs	610 lbs
Bursting Strength	ASTM D 751 Ball Tip	650 lbs Min. (800 lbs Typical)	887 lbs	597 lbs
Puncture Resistance	ASTM D 4833	250 lbs Min.	286 lbs	233 lbs
Puncture Resistance	FTMS 101C METHOD 2031	250 lbs Min.	395 lbs	212 lbs
Coefficient of Linear Thermal Expansion	ASTM D 696		5.10×10^{-5}	3.50×10^{-5}

Attachment G

Remedial Excavation Analytical Report

Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

May 23, 2011

Greg McCormick
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. McCormick:

Please find enclosed the analytical data report for the Aurora Super Rents Project located in Shoreline, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx and BTEX by EPA Method 8260C and Diesel by NWTPH-Dx on May 18 & 20, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
President
Libby Environmental, Inc.

Phone (360) 352-2110 • Fax (360) 352-4154 • libbyenv@aol.com

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

AURORA SUPER RENTS PROJECT
Shoreline, Washington
EPI
Client Project # 61301
Libby Project No. L110518-10

Analyses of Diesel (NWTPH-Dx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)
• Method Blank	5/18/11	90	nd
Base S 20'	5/18/11	83	nd
Base Mid 20'	5/18/11	96	73
South Bench 18'	5/18/11	int	8,400
East Mid 15'	5/18/11	130	196
South End SW 15'	5/18/11	int	2,790
SE 15'	5/18/11	int	3,070
SW 15'	5/18/11	int	1,840
East North Mid 15'	5/18/11	int	458
West North Mid 15'	5/18/11	95	24
West Mid 15'	5/18/11	90	nd
• West Mid 15' Dup	5/18/11	93	nd
NE 16'	5/18/11	int	1,120
West 18'	5/18/11	84	nd
Base N Mid 17'	5/18/11	int	1,010
NWC 16'	5/18/11	int	382
NW 16'	5/18/11	int	672
Base N Mid 20'	5/18/11	int	9,350
• Base N Mid 20' Dup	5/18/11	int	7,740
North End Base 24'	5/18/11	89	nd
North End SW 22'	5/18/11	int	203
Practical Quantitation Limit			25

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

AURORA SUPER RENTS PROJECT
Shoreline, Washington
EPI
Client Project # 61301
Libby Project No. L110518-10

Analyses of Diesel (NWTPH-Dx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)
Method Blank	5/20/11	93	nd
Base N Mid-S 28'	5/20/11	102	nd
Base N Mid-N 28'	5/20/11	95	nd
SE Mid 25'	5/20/11	118	93
SW Mid 25'	5/20/11	121	136
South End Base 26	5/20/11	101	nd
East Mid-N 15'	5/20/11	105	45
East Mid-N 25'	5/20/11	103	nd
South End 25'	5/20/11	int	696
Far SW 25'	5/20/11	int	531
Far SW 25' Dup	5/20/11	int	616
Practical Quantitation Limit			25

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

AURORA SUPER RENTS PROJECT
Shoreline, Washington
EPI
Client Project # 61301
Libby Project No. L110518-10

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260C) in Soil

Sample Number	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline (mg/kg)	Surrogate Recovery (%)
Method Blank	5/18/11	nd	nd	nd	nd	nd	100
LCS	5/18/11	83%	99%				121
Base S 20'	5/18/11	nd	nd	nd	nd	nd	96
Base Mid 20'	5/18/11	nd	nd	nd	nd	nd	95
South Bench 18'	5/18/11	nd	nd	0.22	0.31	79	105
East Mid 15'	5/18/11	nd	nd	nd	nd	36	99
South End SW 15'	5/18/11	nd	nd	0.08	0.14	89	104
SE 15'	5/18/11	nd	nd	0.11	0.13	97	99
SW 15'	5/18/11	nd	nd	nd	0.12	85	99
SW 15' Dup	5/18/11	nd	nd	nd	0.1	92	100
East North Mid 15'	5/18/11	nd	nd	0.25	0.35	79	106
West North Mid 15'	5/18/11	nd	nd	nd	nd	nd	104
West Mid 15'	5/18/11	nd	nd	nd	nd	nd	97
NE 16'	5/18/11	nd	nd	0.06	0.13	79	95
West 18'	5/18/11	nd	nd	nd	nd	nd	96
Base N Mid 17'	5/18/11	nd	nd	0.1	0.14	68	100
NWC 16'	5/18/11	nd	nd	nd	nd	22	98
NW 16'	5/18/11	nd	nd	nd	nd	24	96
Base N Mid 20'	5/18/11	nd	nd	0.46	0.51	93	105
Base N Mid 20' Dup	5/18/11	nd	nd	0.52	0.55	107	107
N End Base 24'	5/18/11	nd	nd	nd	nd	nd	95
North End SW 22'	5/18/11	nd	nd	nd	nd	nd	93
Base S 20' MS	5/18/11	80%	101%				109
Base S 20' MSD	5/18/11	96%	125%				112
Practical Quantitation Limit		0.02	0.10	0.05	0.15	10	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

AURORA SUPER RENTS PROJECT
Shoreline, Washington
EPI
Client Project # 61301
Libby Project No. L110518-10

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260C) in Soil

Sample Number	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline (mg/kg)	Surrogate Recovery (%)
Method Blank	5/20/11	nd	nd	nd	nd	nd	92
LCS	5/20/11	78%	77%				95
Base N Mid-S 28'	5/20/11	nd	nd	nd	nd	nd	94
Base N Mid-N 28'	5/20/11	nd	nd	nd	nd	nd	97
SE Mid 25'	5/20/11	nd	0.24	0.09	0.52	53	100
SW Mid 25'	5/20/11	nd	nd	nd	nd	nd	95
South End Base 26'	5/20/11	nd	nd	nd	nd	nd	94
East Mid-N 15'	5/20/11	nd	0.14	0.05	0.31	47	95
East Mid-N 25'	5/20/11	nd	nd	nd	nd	nd	95
South End 25'	5/20/11	nd	nd	nd	nd	nd	95
Far SW 25'	5/20/11	nd	nd	nd	nd	20	92
Far SW 25' Dup	5/20/11	nd	nd	nd	nd	19	94
Far SW 25' MS	5/20/11	121%	133%				98
Practical Quantitation Limit		0.02	0.10	0.05	0.15	10	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Client: EPI

Address:

Phone: Fax:

Client Project # 6130.1.0

Date: 5-18-11 Page: 1 of 1

Project Manager: Erica McCormick

Project Name: Aurora Super Rinse

Location: Shoreline, WA

Collector: Date of Collection: 5-18-11

	Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx (BTEX)	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals		Field Note/# Containers
	1 Base (S) 20'	20'		S			X			X	X							
	2 Base mid 20'	20'		S			X			X	X							
	3 South Bank 18'	18'		S			X			X	X							
	4 East mid 15'	15'		S			X			X	X							
	5 South End SW 15'	15'		S			X			X	X							
	6 SE 15'	15'		S			X			X	X							
	7 SW 15'	15'		S			X			X	X							
	8 East North Mid	15'		S			X			X	X							
	9 West North Mid	15'		S			X			X	X							
	10 West Mid	15'		S			X			X	X							
	11 NE	16'		S			X			X	X							
	12 West	18'		S			X			X	X							
	13 Base (N Mid)	17'		S			X			X	X							
	14 NE	16'		S			X			X	X							
	15 NW	16'		S			X			X	X							
	16 Base (N Mid)	20'		S			X			X	X							
	17 North End Base	24'		S			X			X	X							
	18 North End SW	22'		S			X			X	X							

Relinquished by:	Date / Time	Received by	Date / Time
[signature]	5/18/11	[signature] UPS	5-19-11
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:

Good Condition?	
Cold?	
Seals Intact?	
Total Number of Containers	

Remarks:

TAT 24HR 48HR 5-Day

Distribution White - Lab, Yellow - File, Pink - Originator

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

Client: EPI
Address: 295 NE Gilman Blvd #201
Phone: (425) 395-0010 Fax: Issaquah, WA (425) 395-0011
Client Project # 61301.0

Date: 5/20/11 Page: 1 of 1
Project Manager: Greg McCormick
Project Name: Aurora Super Rents
Location: Aurora, WA
Collector: G McCormick Date of Collection: 5/20/11

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals		Field Note/# Containers
1 Base N Mid-S	25		Soil		X				X	X							
2 Base N Mid-N	25		Soil		X				X	X							
3 SE Mid	25		Soil		X				X	X							
4 SW Mid-	25		Soil		X				X	X							
5 South End Base	26		Soil		X				X	X							
6 East Mid-N	15		Soil		X				X	X							
7 East Mid-N	25		Soil		X				X	X							
8 South End	25		Soil		X				X	X							
9 Far SW	25		Soil		X				X	X							
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	

Relinquished by:	Date / Time	Received by	Date / Time
[signature]	5/20/11	[signature] UPS	5-20-11
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:

Good Condition?	
Cold?	
Seals Intact?	
Total Number of Containers	

Remarks:

TAT 24HR 48HR 5-Day

Distribution White - Lab, Yellow - File, Pink - Originator

Attachment H

EPH and VPH Analytical Report

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

June 7, 2011

Greg McCormick, Project Manager
Environmental Partners, Inc.
295 NE Gilman Blvd., Suite 201
Issaquah, WA 98027

RE: Aurora Rents Seattle, WA PO 61301, F&BI 105264

Dear Mr. McCormick:

Included are the results from the testing of material submitted on May 20, 2011 from the Aurora Rents Seattle, WA PO 61301, F&BI 105264 project. There is 1 page included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
EPI0607R.DOC

105264

SAMPLE CHAIN OF CUSTODY

ME 05/20/11 VSI/CFI

Page # 1 of 1

Send Report To Greg McCormick
Company EPI
Address 295 NE Gilman Blvd Issaquah
City, State, ZIP Issaquah, WA
Phone # (425) 395-0026 Fax #

SAMPLERS (signature) [signature]
PROJECT NAME/NO. Aurora Rents Seattle, WA
PO # 61301
REMARKS

TURNAROUND TIME
☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED: Total Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	VPH/EPH					Notes
		5/20/11			4/6												
East Mid North (15')	01 A-F	5/20/11	7:45	Soil	5							X					
East Mid North (25')	02 A-F	5/20/11	7:55	Soil	5							X					

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [signature]	Greg McCormick	EPI	5/20/11	3:30
Received by: [signature]	Nhan Phan	FEBI	5/20/11	3:30
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044
FORMS\COC\COC.DOC

Samples received at 15 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 20, 2011 by Friedman & Bruya, Inc. from the Environmental Partners Aurora Rents Seattle, WA PO 61301, F&BI 105264 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
105264-01	East Mid North (15')
105264-02	East Mid North (25')

The samples were sent to Fremont for EPH/VPH analyses. The report is enclosed.

Fremont

2930 Westlake Ave N Suite 100
Seattle, WA 98109
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Friedman & Bruya
Michael Erdahl
3012 16th Ave. W.
Seattle, Washington 98119

RE: 105264
Lab ID: 1105108

June 06, 2011

Attention Michael Erdahl:

Fremont Analytical, Inc. received 2 sample(s) on 5/23/2011 for the analyses presented in the following report.

Extractable Petroleum Hydrocarbons by NWEPH
Volatile Petroleum Hydrocarbons by NWVPH

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Michael Dee
Sr. Chemist / Principal

Fremont

Date: *06/06/2011*

CLIENT: Friedman & Bruya
Project: 105264
Lab Order: 1105108

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1105108-001	East Mid North (15')	05/20/2011 7:45 AM	05/23/2011 12:30 PM
1105108-002	East Mid North (25')	05/20/2011 7:55 AM	05/23/2011 12:30 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Fremont

Case Narrative

WO#: **1105108**
Date: **6/6/2011**

CLIENT: Friedman & Bruya
Project: 105264

I. SAMPLE RECEIPT:
All samples were received intact.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Fremont Analytical

Analytical Report

WO#: **1105108**
Date Reported: **6/6/2011**

Client: Friedman & Bruya
Project: 105264
Lab ID: 1105108-001
Client Sample ID: East Mid North (15')

Collection Date: 5/20/2011 7:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Extractable Petroleum Hydrocarbons by NWEPH						Analyst: **SG**
Aliphatic Hydrocarbon (C8-C10)	ND	4.99		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aliphatic Hydrocarbon (C10-C12)	9.19	4.99		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aliphatic Hydrocarbon (C12-C16)	16.1	4.99		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aliphatic Hydrocarbon (C16-C21)	8.28	4.99		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aliphatic Hydrocarbon (C21-C34)	5.55	4.99		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aromatic Hydrocarbon (C8-C10)	ND	4.99		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aromatic Hydrocarbon (C10-C12)	ND	4.99		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aromatic Hydrocarbon (C12-C16)	ND	4.99		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aromatic Hydrocarbon (C16-C21)	ND	4.99		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aromatic Hydrocarbon (C21-C34)	ND	4.99		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Surr: 1-Chlorooctadecane	105	65-140		%REC	1	6/1/2011 3:40:55 PM
Surr: o-Terphenyl	102	65-140		%REC	1	6/1/2011 3:40:55 PM
Volatile Petroleum Hydrocarbons by NWVPH						Analyst: **MD**
Aliphatic Hydrocarbon (C5-C6)	ND	0.300		mg/Kg-dry	1	5/26/2011
Aliphatic Hydrocarbon (C6-C8)	ND	0.300		mg/Kg-dry	1	5/26/2011
Aliphatic Hydrocarbon (C8-C10)	0.565	0.300		mg/Kg-dry	1	5/26/2011
Aliphatic Hydrocarbon (C10-C12)	2.67	0.300		mg/Kg-dry	1	5/26/2011
Aromatic Hydrocarbon (C8-C10)	4.34	0.300		mg/Kg-dry	1	5/26/2011
Aromatic Hydrocarbon (C10-C12)	5.15	0.300		mg/Kg-dry	1	5/26/2011
Aromatic Hydrocarbon (C12-C13)	2.35	0.300		mg/Kg-dry	1	5/26/2011
Benzene	ND	0.0300		mg/Kg-dry	1	5/26/2011
Toluene	ND	0.0300		mg/Kg-dry	1	5/26/2011
Ethylbenzene	ND	0.0300		mg/Kg-dry	1	5/26/2011
m,p-Xylene	ND	0.0300		mg/Kg-dry	1	5/26/2011
o-Xylene	0.185	0.0300		mg/Kg-dry	1	5/26/2011
Naphthalene	0.224	0.0300		mg/Kg-dry	1	5/26/2011
Surr: Bromoflourobeneze	81.2	65-135		%REC	1	5/26/2011
Surr: Trifluorotoluene	99.6	65-135		%REC	1	5/26/2011

EPH 2614.56 HL = 1 MUST STRAIGHT!

VPH

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client: Friedman & Bruya
Collection Date: 5/20/2011 7:55:00 AM
Project: 105264
Lab ID: 1105108-002
Matrix: Soil
Client Sample ID: East Mid North (25')

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Extractable Petroleum Hydrocarbons by NWEPH						Analyst: **SG**
Aliphatic Hydrocarbon (C8-C10)	ND	4.90		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aliphatic Hydrocarbon (C10-C12)	ND	4.90		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aliphatic Hydrocarbon (C12-C16)	ND	4.90		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aliphatic Hydrocarbon (C16-C21)	ND	4.90		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aliphatic Hydrocarbon (C21-C34)	ND	4.90		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aromatic Hydrocarbon (C8-C10)	ND	4.90		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aromatic Hydrocarbon (C10-C12)	ND	4.90		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aromatic Hydrocarbon (C12-C16)	ND	4.90		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aromatic Hydrocarbon (C16-C21)	ND	4.90		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Aromatic Hydrocarbon (C21-C34)	ND	4.90		mg/Kg-dry	1	6/1/2011 3:40:55 PM
Surr: 1-Chlorooctadecane	108	65-140		%REC	1	6/1/2011 3:40:55 PM
Surr: o-Terphenyl	113	65-140		%REC	1	6/1/2011 3:40:55 PM
Volatile Petroleum Hydrocarbons by NWVPH						Analyst: **MD**
Aliphatic Hydrocarbon (C5-C6)	ND	0.219		mg/Kg-dry	1	5/26/2011
Aliphatic Hydrocarbon (C6-C8)	ND	0.219		mg/Kg-dry	1	5/26/2011
Aliphatic Hydrocarbon (C8-C10)	0.276	0.219		mg/Kg-dry	1	5/26/2011
Aliphatic Hydrocarbon (C10-C12)	0.410	0.219		mg/Kg-dry	1	5/26/2011
Aromatic Hydrocarbon (C8-C10)	0.423	0.219		mg/Kg-dry	1	5/26/2011
Aromatic Hydrocarbon (C10-C12)	0.673	0.219		mg/Kg-dry	1	5/26/2011
Aromatic Hydrocarbon (C12-C13)	0.525	0.219		mg/Kg-dry	1	5/26/2011
Benzene	ND	0.0219		mg/Kg-dry	1	5/26/2011
Toluene	ND	0.0219		mg/Kg-dry	1	5/26/2011
Ethylbenzene	ND	0.0219		mg/Kg-dry	1	5/26/2011
m,p-Xylene	ND	0.0219		mg/Kg-dry	1	5/26/2011
o-Xylene	0.126	0.0219		mg/Kg-dry	1	5/26/2011
Naphthalene	ND	0.0219		mg/Kg-dry	1	5/26/2011
Surr: Bromoflourobeneze	79.8	65-135		%REC	1	5/26/2011
Surr: Trifluorotoluene	97.7	65-135		%REC	1	5/26/2011

Qualifiers:

- B Analyte detected in the associated Method Blank
- D Dilution was required
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not detected at the Reporting Limit
- RL Reporting Limit
- S Spike recovery outside accepted recovery limits

Fremont Analytical

Date: 6/6/2011

Work Order: 1105108
CLIENT: Friedman & Bruya
Project: 105264

QC SUMMARY REPORT

Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: MB-660	SampType: MBLK			Units: mg/Kg		Prep Date: 5/24/2011		RunNo: 1033			
Client ID: MBLKS	Batch ID: 660					Analysis Date: 5/27/2011		SeqNo: 20149			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	ND	5.00									
Aliphatic Hydrocarbon (C10-C12)	ND	5.00									
Aliphatic Hydrocarbon (C12-C16)	ND	5.00									
Aliphatic Hydrocarbon (C16-C21)	ND	5.00									
Aliphatic Hydrocarbon (C21-C34)	ND	5.00									
Aromatic Hydrocarbon (C8-C10)	ND	5.00									
Aromatic Hydrocarbon (C10-C12)	ND	5.00									
Aromatic Hydrocarbon (C12-C16)	ND	5.00									
Aromatic Hydrocarbon (C16-C21)	ND	5.00									
Aromatic Hydrocarbon (C21-C34)	ND	5.00									
Surr: 1-Chlorooctadecane	37.1		40.00		92.9	65	140				
Surr: o-Terphenyl	39.8		40.00		99.4	65	140				

Sample ID: LCS-660	SampType: LCS			Units: mg/Kg		Prep Date: 5/24/2011		RunNo: 1033			
Client ID: LCSS	Batch ID: 660					Analysis Date: 5/27/2011		SeqNo: 20150			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	25.1	5.00	20.00	0	126	65	140				
Aliphatic Hydrocarbon (C10-C12)	11.1	5.00	10.00	0	111	65	140				
Aliphatic Hydrocarbon (C12-C16)	10.6	5.00	10.00	0	106	65	140				
Aliphatic Hydrocarbon (C16-C21)	10.2	5.00	10.00	0	102	65	140				
Aliphatic Hydrocarbon (C21-C34)	13.6	5.00	10.00	0	136	65	140				
Aromatic Hydrocarbon (C8-C10)	19.2	5.00	20.00	0	96.0	65	140				
Aromatic Hydrocarbon (C10-C12)	6.96	5.00	10.00	0	69.6	65	140				
Aromatic Hydrocarbon (C12-C16)	10.6	5.00	10.00	0	106	65	140				
Aromatic Hydrocarbon (C16-C21)	11.1	5.00	10.00	0	111	65	140				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Fremont Analytical

Date: 6/6/2011

Work Order: 1105108
CLIENT: Friedman & Bruya
Project: 105264

QC SUMMARY REPORT

Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: LCS-660	SampType: LCS			Units: mg/Kg		Prep Date: 5/24/2011		RunNo: 1033			
Client ID: LCSS	Batch ID: 660					Analysis Date: 5/27/2011		SeqNo: 20150			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C21-C34)	9.96	5.00	10.00	0	99.6	65	140				
Surr: 1-Chlorooctadecane	36.5		40.00		91.2	65	140				
Surr: o-Terphenyl	42.9		40.00		107	65	140				

Sample ID: 1105108-001BDUP	SampType: DUP			Units: mg/Kg-dry		Prep Date: 5/24/2011		RunNo: 1033			
Client ID: East Mid North (15')	Batch ID: 660					Analysis Date: 6/1/2011		SeqNo: 20155			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	4.95	4.93						4.565	8.02	30	
Aliphatic Hydrocarbon (C10-C12)	8.85	4.93						9.191	3.79	30	
Aliphatic Hydrocarbon (C12-C16)	12.6	4.93						16.05	23.8	30	
Aliphatic Hydrocarbon (C16-C21)	7.90	4.93						8.276	4.67	30	
Aliphatic Hydrocarbon (C21-C34)	5.29	4.93						5.554	4.86	30	
Aromatic Hydrocarbon (C8-C10)	ND	4.93						0	0	30	R
Aromatic Hydrocarbon (C10-C12)	ND	4.93						0	0	30	
Aromatic Hydrocarbon (C12-C16)	ND	4.93						0	0	30	
Aromatic Hydrocarbon (C16-C21)	ND	4.93						0	0	30	
Aromatic Hydrocarbon (C21-C34)	ND	4.93						0	0	30	
Surr: 1-Chlorooctadecane	4.00		3.945		101	65	140		0		
Surr: o-Terphenyl	3.76		3.945		95.3	65	140		0		

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Fremont Analytical

Date: 6/6/2011

Work Order: 1105108
CLIENT: Friedman & Bruya
Project: 105264

QC SUMMARY REPORT

Volatile Petroleum Hydrocarbons by NWVPH

Sample ID: **1105108-001ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/26/2011** RunNo: **1055**
Client ID: **East Mid North (15')** Batch ID: **698** Analysis Date: **5/26/2011** SeqNo: **20414**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	ND	0.301		0	0			0	0	30	
Aliphatic Hydrocarbon (C6-C8)	0.328	0.301		0	0			0.2943	10.7	30	
Aliphatic Hydrocarbon (C8-C10)	0.634	0.301		0	0			0.5646	11.6	30	
Aliphatic Hydrocarbon (C10-C12)	3.04	0.301		0	0			2.670	12.8	30	
Aromatic Hydrocarbon (C8-C10)	5.08	0.301		0	0			4.340	15.7	30	
Aromatic Hydrocarbon (C10-C12)	6.23	0.301		0	0			5.148	19.0	30	
Aromatic Hydrocarbon (C12-C13)	2.81	0.301		0	0			2.349	17.8	30	
Benzene	ND	0.0301		0	0			0	0	30	
Toluene	ND	0.0301		0	0			0	0	30	
Ethylbenzene	ND	0.0301		0	0			0	0	30	
m,p-Xylene	ND	0.0301		0	0			0	0	30	
o-Xylene	0.196	0.0301		0	0			0.1850	5.70	30	
Naphthalene	0.238	0.0301		0	0			0.2242	5.97	30	
Surr: Bromoflourobeneze	2.44		3.000		81.3	65	135		0		
Surr: Trifluorotoluene	3.05		3.000		102	65	135		0		

Sample ID: **1105108-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/26/2011** RunNo: **1055**
Client ID: **East Mid North (25')** Batch ID: **698** Analysis Date: **5/26/2011** SeqNo: **20415**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	26.9	0.544	27.18	0	99.0	65	140				
Aliphatic Hydrocarbon (C6-C8)	5.69	0.544	5.437	0.1313	102	65	140				
Aliphatic Hydrocarbon (C8-C10)	13.8	0.544	16.31	0.2759	82.6	65	140				
Aliphatic Hydrocarbon (C10-C12)	17.8	0.544	13.59	0.4098	128	65	140				
Aromatic Hydrocarbon (C8-C10)	18.3	0.544	13.59	0.4229	132	65	140				
Aromatic Hydrocarbon (C10-C12)	4.44	0.544	2.718	0.6725	138	65	140				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Limit
S Spike recovery outside accepted recovery limits

Fremont Analytical

Date: 6/6/2011

Work Order: 1105108
CLIENT: Friedman & Bruya
Project: 105264

QC SUMMARY REPORT

Volatile Petroleum Hydrocarbons by NWVPH

Sample ID: **1105108-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/26/2011** RunNo: **1055**
Client ID: **East Mid North (25')** Batch ID: **698** Analysis Date: **5/26/2011** SeqNo: **20415**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C12-C13)	6.19	0.544	5.437	0.5248	104	65	140				
Benzene	2.99	0.0544	2.718	0	110	65	140				
Toluene	3.13	0.0544	2.718	0	115	65	140				
Ethylbenzene	3.21	0.0544	2.718	0	118	65	140				
m,p-Xylene	4.68	0.0544	5.437	0	86.1	65	140				
o-Xylene	3.48	0.0544	2.718	0.1262	123	65	140				
Naphthalene	3.23	0.0544	2.718	0	119	65	140				
Surr: Bromoflourobeneze	4.64		5.437		85.4	65	135				
Surr: Trifluorotoluene	5.42		5.437		99.8	65	135				

Sample ID: **LCS-698** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/26/2011** RunNo: **1055**
Client ID: **LCSS** Batch ID: **698** Analysis Date: **5/26/2011** SeqNo: **20418**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	20.6	0.500	25.00	0	82.4	65	140				
Aliphatic Hydrocarbon (C6-C8)	4.54	0.500	5.000	0	90.8	65	140				
Aliphatic Hydrocarbon (C8-C10)	11.9	0.500	15.00	0	79.0	65	140				
Aliphatic Hydrocarbon (C10-C12)	15.4	0.500	12.50	0	123	65	140				
Aromatic Hydrocarbon (C8-C10)	16.4	0.500	12.50	0	132	65	140				
Aromatic Hydrocarbon (C10-C12)	2.75	0.500	2.500	0	110	65	140				
Aromatic Hydrocarbon (C12-C13)	4.27	0.500	5.000	0	85.3	65	140				
Benzene	2.76	0.0500	2.500	0	110	65	140				
Toluene	2.92	0.0500	2.500	0	117	65	140				
Ethylbenzene	2.98	0.0500	2.500	0	119	65	140				
m,p-Xylene	4.39	0.0500	5.000	0	87.8	65	140				
o-Xylene	2.92	0.0500	2.500	0	117	65	140				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not detected at the Reporting Limit
R RPD outside accepted recovery limits
RL Reporting Limit
S Spike recovery outside accepted recovery limits

Fremont Analytical

Date: 6/6/2011

Work Order: 1105108
CLIENT: Friedman & Bruya
Project: 105264

QC SUMMARY REPORT

Volatile Petroleum Hydrocarbons by NWVPH

Sample ID: LCS-698	SampType: LCS			Units: mg/Kg		Prep Date: 5/26/2011		RunNo: 1055			
Client ID: LCSS	Batch ID: 698					Analysis Date: 5/26/2011		SeqNo: 20418			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	2.66	0.0500	2.500	0	107	65	140				
Surr: Bromoflourobeneze	4.17		5.000		83.4	65	135				
Surr: Trifluorotoluene	5.00		5.000		99.9	65	135				

Sample ID: MBLK-698	SampType: MBLK			Units: mg/Kg		Prep Date: 5/26/2011		RunNo: 1055			
Client ID: MBLKS	Batch ID: 698					Analysis Date: 5/26/2011		SeqNo: 20419			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	ND	0.500		0	0						
Aliphatic Hydrocarbon (C6-C8)	ND	0.500		0	0						
Aliphatic Hydrocarbon (C8-C10)	ND	0.500		0	0						
Aliphatic Hydrocarbon (C10-C12)	ND	0.500		0	0						
Aromatic Hydrocarbon (C8-C10)	ND	0.500		0	0						
Aromatic Hydrocarbon (C10-C12)	ND	0.500		0	0						
Aromatic Hydrocarbon (C12-C13)	ND	0.500		0	0						
Benzene	ND	0.0500		0	0						
Toluene	ND	0.0500		0	0						
Ethylbenzene	ND	0.0500		0	0						
m,p-Xylene	ND	0.0500		0	0						
o-Xylene	ND	0.0500		0	0						
Naphthalene	ND	0.0500		0	0						
Surr: Bromoflourobeneze	4.34		5.000		86.7	65	135				
Surr: Trifluorotoluene	5.27		5.000		105	65	135				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

SUBCONTRACT SAMPLE CHAIN OF CUSTODY

1105108

Page # 1 of 1

Send Report To Michael Erdahl

Company Friedman and Bruya, Inc.

Address 3012 16th Ave W.

City, State, ZIP Seattle, WA 98119

Phone # (206) 285-8282 Fax # (206) 283-5044

SUBCONTRACTER Fremont

PROJECT NAME/NO. 105264

PO # 3-140

REMARKS

Please Email Results
merdahl@friedmanandbruya.com

TURNAROUND TIME
☑ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: Oil and Grease	EPH	VPH	Nitrate	Sulfate	Alkalinity					Notes
East Med Methane		5/6/11	7:45	Soil			X	X								
East Med Methane		1	7:55	1			X	X								

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Michael Erdahl	Friedman & Bruya	5/6/11	1600 P.M.
Received by:					
Relinquished by:					
Received by:					

Attachment I

UST Sampling Analytical Report

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 24, 2011

Greg McCormick, Project Manager
Environmental Partners, Inc.
295 NE Gilman Blvd., Suite 201
Issaquah, WA 98027

RE: Aurora Rents Seattle, WA PO 61301, F&BI 105248

Dear Mr. McCormick:

Included are the results from the testing of material submitted on May 19, 2011 from the Aurora Rents Seattle, WA PO 61301, F&BI 105248 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
EPI0524R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 19, 2011 by Friedman & Bruya, Inc. from the Environmental Partners Aurora Rents Seattle, WA PO 61301, F&BI 105248 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
105248-01	North End
105248-02	South End
105248-03	Base
105248-04	East Sidewall

All quality control requirements were acceptable.

Date of Report: 05/24/11
Date Received: 05/19/11
Project: Aurora Rents Seattle, WA PO 61301, F&BI 105248
Date Extracted: 05/20/11
Date Analyzed: 05/21/11 and 05/24/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
Base 105248-03	<0.02	<0.02	<0.02	<0.06	<2	74
Method Blank 01-917 MB	<0.02	<0.02	<0.02	<0.06	<2	73

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/11
Date Received: 05/19/11
Project: Aurora Rents Seattle, WA PO 61301, F&BI 105248
Date Extracted: 05/20/11
Date Analyzed: 05/20/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
North End 105248-01	<50	<250	99
South End 105248-02	<50	<250	99
Base 105248-03	720	<250	97
East Sidewall 105248-04	<50	<250	100
Method Blank 01-913 MB	<50	<250	99

Date of Report: 05/24/11
Date Received: 05/19/11
Project: Aurora Rents Seattle, WA PO 61301, F&BI 105248

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 105249-01 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	0.055	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	107	69-120
Toluene	mg/kg (ppm)	0.5	103	70-117
Ethylbenzene	mg/kg (ppm)	0.5	104	65-123
Xylenes	mg/kg (ppm)	1.5	101	66-120
Gasoline	mg/kg (ppm)	20	110	71-131

Date of Report: 05/24/11
Date Received: 05/19/11
Project: Aurora Rents Seattle, WA PO 61301, F&BI 105248

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 105248-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	94	94	64-133	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	95	58-147

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

105248

SAMPLE CHAIN OF CUSTODY

MG 05/19/11 CT

Page # 1 of 1

Send Report To: Greg McCormick
Company: Environmental Partners, Inc.
Address: 295 NE Gilman Blvd, Suite 201
City, State, ZIP: Issaquah, WA
Phone #: (425) 395 Fax #:

SAMPLERS (signature): MCorm

PROJECT NAME/NO.: Aurora Rents Seattle, WA

PO #: Project No. 61301

REMARKS: Please hold samples for possible additional analysis

TURNAROUND TIME
- ☑ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☑ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS							Notes
North End	01	5/18/11	1400	Soil	1	X												
South End	02		1405	Soil	1	X												
Base	03		1407	Soil	1	X	X											
East Sidewall	04		1415	Soil	1	X												

ANALYSES REQUESTED

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: MCorm	Greg McCormick	~~SHN~~ EPI	5/19/11	1555
Received by: mlaplante	Nhan Phan	FedEx	5/19/11	1535
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

Samples received at 10 °C