



PES Environmental, Inc.
Engineering & Environmental Services

A Report Prepared for:

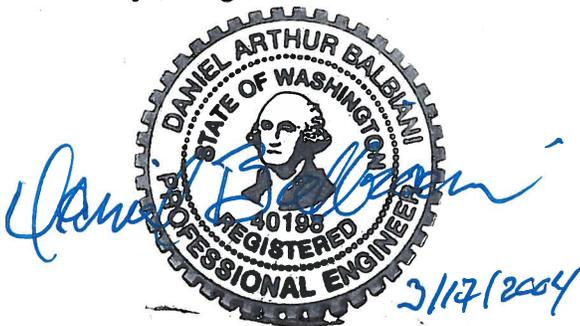
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Kirkland, Washington 98033

**POST-EXCAVATION COMPLIANCE SOIL SAMPLING REPORT
FORMER PACE NATIONAL PROPERTY
500 7TH AVENUE SOUTH
KIRKLAND, WASHINGTON**

MARCH 17, 2014

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TABLE OF CONTENTS

LIST OF TABLES iii

LIST OF ILLUSTRATIONS iii

1.0 INTRODUCTION 1

 1.1 Property Description and History 1

 1.2 Planned Redevelopment..... 2

 1.3 Report Purpose..... 2

 1.4 Report Organization..... 2

2.0 SITE ENVIRONMENTAL CONDITIONS, POST-EX CMP, AND CSMP 3

 2.1 Summary of Site Environmental Conditions 3

 2.1.1 Gray Soil Areas..... 3

 2.1.2 Vinyl Chloride Area..... 4

 2.2 Post-Excavation Compliance Monitoring Plan and Contaminated Soil Management Plan..... 4

3.0 SUMMARY OF FIELD ACTIVITIES 5

 3.1 Pre-Excavation Activities 5

 3.2 Gray Soil Excavation and Sampling Procedures 5

 3.2.1 Area 1..... 6

 3.2.2 Area 2..... 7

 3.2.3 Area 3..... 7

 3.2.4 Area 4..... 8

 3.2.5 Area 5..... 8

 3.2.6 Area 6..... 8

 3.2.7 Area 7..... 8

 3.2.8 Area 8..... 9

 3.2.9 Area 10..... 9

 3.2.10 Area 11..... 9

 3.3 Vinyl Chloride Area Excavation and Soil Sampling Procedures 10

 3.3.1 Shoring Installation..... 10

 3.3.2 Vinyl Chloride Area Excavation and Sampling Activities..... 10

 3.4 Groundwater and Stormwater Management 11

4.0 POST-EXCAVATION CONFIRMATION SOIL SAMPLING RESULTS 12

 4.1 Data Quality Review 12

 4.2 Summary of Confirmation Soil Sample Analytical Results 12

5.0 SUMMARY AND CONCLUSIONS 14

6.0 REFERENCES 15

TABLES

ILLUSTRATIONS

- APPENDIX A – WELL DECOMMISSIONING LOGS
- B – CEMEX SOIL DISPOSAL DOCUMENTATION
- C – LABORATORY ANALYTICAL REPORTS
- D – DATA VALIDATION MEMORANDA

LIST OF TABLES

Table 1	Planned Excavation Areas
Table 2	Summary of UST Water Analytical Results
Table 3	Summary of Soil Analytical Results – Area 1
Table 4	Summary of Soil Analytical Results – Area 2
Table 5	Summary of Soil Analytical Results – Area 3
Table 6	Summary of Soil Analytical Results – Area 4
Table 7	Summary of Soil Analytical Results – Area 5
Table 8	Summary of Soil Analytical Results – Area 6
Table 9	Summary of Soil Analytical Results – Area 7
Table 10	Summary of Soil Analytical Results – Area 8
Table 11	Summary of Soil Analytical Results – Area 9
Table 12	Summary of Soil Analytical Results – Area 10
Table 13	Summary of Soil Analytical Results – Area 10

LIST OF ILLUSTRATIONS

Figure 1	Site Location Map
Figure 2	Site Map
Figure 3	Property and Site Boundaries
Figure 4	Gray Soil Excavation Limits and Confirmation Sample Locations
Figure 5	Vinyl Chloride Area Excavation Limits and Confirmation Sample Locations

1.0 INTRODUCTION

PES Environmental, Inc. (PES) has prepared this Post-Excavation Compliance Soil Sampling Report for the Former Pace National property, located at 500 7th Avenue South in Kirkland, Washington (Property; Figure 1). SRMKII, LLC (SRMKII) is in the process of redeveloping the Property for use as a commercial office building with two levels of subsurface parking. The northern portion of the Property is the location of the Former Pace National Site (Site; Figure 2), which is the subject of cleanup action being performed pursuant to a Consent Decree between the Washington State Department of Ecology (Ecology), Ultra Corporation (Ultra), and SRMKII. The cleanup action being performed at the Site is described in detail in the Cleanup Action Plan (CAP) prepared by Ecology and included as Exhibit B to the Consent Decree (Ecology, 2012).

A small portion of the soils excavated during Property redevelopment for the construction of the subsurface parking garage contained detectable concentrations of contaminants, including concentrations below applicable cleanup levels (referred to as “gray soil”), and required off-site disposal at a permitted facility. In addition, saturated soils located in the northwest corner of the Property that contained groundwater with vinyl chloride were removed during redevelopment. PES prepared a Post-Excavation Compliance Monitoring Plan (Post-Ex CMP; PES, 2013d) and a Contaminated Soil Management Plan (CSMP; PES, 2013c) prior to the start of the redevelopment to detail the procedures to be used by both the excavation contractor and PES during the gray soil and vinyl chloride area (defined below) excavation activities. Ecology approved the Post-Ex CMP in an e-mail dated October 11, 2013.

The purpose of this Post-Excavation Compliance Soil Sampling Report is to describe: (1) the gray soil excavation activities; (2) the vinyl chloride area excavation activities; and (3) the post-excavation soil sampling procedures and results.

1.1 Property Description and History

The northern one-third portion of the 5-acre Property is the location of the former Pace National operations (see Figure 3). The southern two-thirds of the Property had never been developed and were wooded land.

Prior to redevelopment, the surface terrain of the northern portion of the Property consisted of a relatively flat area at an elevation of approximately 169 feet above mean sea level (amsl) that sloped to the west to an elevation of approximately 149 feet amsl along the western property line. The area of a former drum storage yard was at a slightly lower elevation of approximately 160 feet amsl.

Pace National operated a specialty chemical mixing and packaging business from 1971 to approximately 1990. The facility had 14 underground storage tanks (USTs) that contained glycols, solvents, fatty acids, and petroleum products. A Railroad Unloading Area (RUA) was located in the northeast corner of the Property, and product was piped from the railcars to the USTs. An oil/water separator was located in the northwest corner of the former main building, and a drum storage yard with an above ground storage tank (AST) was located south of the main building.

Historically, potential contaminants of concern (COCs) included petroleum hydrocarbons, semi-volatile organic compounds, and chlorinated solvents. Extensive investigation and remediation activities have occurred at the Property as independent cleanup actions (prior to 2009) and pursuant to an Agreed Order between Ultra Corporation (f/k/a Pace National Corporation) and Ecology. The historical investigations and cleanup actions are summarized in Sound Environmental Strategies' (SES's) *Remedial Investigation/Feasibility Study Report*, (SES, 2010). The selected remedy in the Consent Decree was monitored natural attenuation.

1.2 Planned Redevelopment

The redevelopment plans for the Property include a mass excavation to an elevation of approximately 142.5 feet amsl for the construction of two floors of subsurface parking. The parking garage footprint on the northern portion of the Property is shown on Figure 4. A two-story office complex will be constructed above the parking structure. Slope cuts for the mass excavation will be 1.25:1 along the northern, western, and southern excavation limits. The eastern sidewall of the excavation will be shored along the property line.

1.3 Report Purpose

The purpose of this report is to document that the gray soil and vinyl chloride area soil excavation activities and confirmation soil sampling were conducted consistent with the Post-Ex CMP and the CSMP, and that all of the gray soil and vinyl chloride area soil have been removed from the Property and properly disposed at licensed facilities.

1.4 Report Organization

The remainder of this report is organized as follows:

Section 2 – Property Environmental Conditions: Summarizes environmental conditions at the Property, as established by previous work and summarizes the Post-Ex CMP and CSMP.

Section 3 – Summary of Field Activities: Describes the soil excavation activities, procedures, and sampling.

Section 4 – Post-Excavation Compliance Soil Sampling Results: Describes the results of the confirmation soil samples.

Section 5 – Summary and Conclusions: Presents a summary of the excavation and sampling activities and states the conclusions.

Section 6 – References: Lists the sources of information referenced in the document.

2.0 PROPERTY ENVIRONMENTAL CONDITIONS, POST-EX CMP, AND CSMP

This section contains a summary of soil and groundwater conditions at the Property based on the results of previous investigations. This information was used as a basis for the CSMP and Post-Ex CMP implemented at the Property.

2.1 Summary of Property Environmental Conditions

Based on a review of SES's *Remedial Investigation/Feasibility Study Report* (SES, 2010), PES identified areas of the Property with remaining soil containing detectable concentrations of certain contaminants following historical soil excavation cleanup actions.

In 2012, PES conducted an assessment of soil quality at the Property in order to assist SRMKII in characterizing the soil to be excavated during site redevelopment activities and to determine the appropriate disposal methods. Based on the results of this assessment, PES identified gray soil excavation areas for soils requiring off-site disposal at a facility permitted to accept soil with detectable concentrations of contaminants. For the purposes of this report, contaminated means that one or more of the contaminants are detected in the soil at any concentration (even those below applicable cleanup levels) and require that the soil be disposed of at a facility permitted to accept the type of contaminated soil. The results of the assessment were summarized in PES's *Soil Assessment Report* (PES, 2012).

PES prepared a *Sampling and Analysis Plan* (PES, 2013a) to summarize the field procedures to be used during the soil excavation activities, as well as the field procedures for an additional assessment of a portion of the Property with vinyl chloride contaminated perched groundwater (referred to as the "vinyl chloride area").

In 2013, PES conducted an assessment of the vinyl chloride area, and the results are summarized in PES's *Vinyl Chloride Area Assessment Report* (PES, 2013b).

2.1.1 Gray Soil Areas

The primary types of contaminants that were present on the Property included petroleum hydrocarbons including gasoline; diesel; heavy oil; benzene, toluene, ethylbenzene, xylenes (collectively, BTEX); and associated petroleum-related volatile organic compounds (VOCs). There was one area with detectable cis-1,2 dichloroethene (cis-1,2-DCE), and one area with detectable alpha- and gamma-chlordane (organochlorine pesticides).

The above contaminants were detected in soil samples collected from eight soil borings advanced in 2012 that have each been assigned an "Area" designation (Areas 1 through 8; Figure 4). The extent of the vinyl chloride area, as indicated by vinyl chloride detections in perched water, was determined with six temporary wells installed in 2013 and is shown on Figure 4 as Area 9 and is also depicted in Figure 5. Two of the vinyl chloride area soil borings contained detectable concentrations of other contaminants [Areas 10 (naphthalene, heavy oil) and 11(naphthalene, toluene)] and are shown on Figure 4. Areas 1 and 11 are within the vinyl chloride area (Area 9) and Area 10 extended into Area 9. Data for the majority of the vinyl chloride area soil excavation have not indicated detectable contaminant concentrations. A

summary of each Area, including the depth of the historical detections and the analytes detected, is presented in Table 1.

The contaminated soil was assumed to begin at the surface in all areas except for Areas 2, 3, and 9. The upper seven feet of soil in Areas 2 and 3 and the unsaturated portion of Area 9 (surface to approximately five feet below ground surface [bgs]) could be handled as clean material. The contamination was assumed to extend one to two feet below the depth of the deepest contaminated soil sample, as indicated in Table 1.

2.1.2 Vinyl Chloride Area

A portion of the proposed subsurface parking garage is located over the area where vinyl chloride was present in perched water near the northwestern corner of the Property (Figure 4). The water was perched on a glaciolacustrine layer (herein referred to as the “confining silt layer”), located at estimated elevations ranging from 130 to 148 feet amsl. The assumed area of vinyl chloride-impacted groundwater (as shown on Figure 4) was based on the area requiring cleanup as specified in the CAP and revised based on the results of the vinyl chloride area investigation.

2.2 Post-Excavation Compliance Monitoring Plan and Contaminated Soil Management Plan

Based on the results of the previous investigations, PES prepared a Post-Ex CMP and a CSMP. The Post-Ex CMP described the sampling and analysis procedures to be utilized during the soil excavation activities. The procedures described the sample collection locations, frequencies, analytical parameters including method reporting limits (MRLs), applicable cleanup levels, and Quality Assurance/Quality Control, including the collection of field duplicates and analysis of trip blanks.

The CSMP was prepared to provide information regarding the location, depth, and disposal classification type of contaminated soil present at the Property in order to assist the excavation contractor with proper soil management and disposal.

3.0 SUMMARY OF FIELD ACTIVITIES

This section describes the soil excavation activities and sampling procedures that were implemented during redevelopment construction to address the gray soil and vinyl chloride areas.

The excavation activities were performed from November 2013 through January 2014, concurrent with the first phase of site redevelopment. SRMKII contracted Northwest Construction to conduct the soil excavations. PES was retained by SRMKII to observe the soil excavation work, and to perform confirmation soil sampling.

3.1 Pre-Excavation Activities

Eight groundwater monitoring wells located within the excavation footprint were decommissioned by a Washington State licensed well driller on October 7, 2013. The wells were decommissioned consistent with the requirements of the Washington Minimum Standards for Construction and Maintenance of Wells (WAC 173-160-460). Five of the 2-inch diameter wells were filled from the bottom to ground surface with hydrated bentonite chips. Three wells with ¾-inch to 1-inch diameter casings were filled with bentonite grout. The well decommissioning logs are included in Appendix A.

The locations of previous borings with detectable contaminant concentrations were surveyed by D.R. Strong Consulting Engineers (DRS) in September 2013.

3.2 Gray Soil Excavation and Sampling Procedures

Gray soil excavation activities were conducted from November 2013 to January 2014. A total of 5,965.19 tons of soil were excavated and disposed of at the CEMEX thermal treatment facility and permitted landfill in Everett, Washington. The soil was segregated for proper disposal in accordance with CEMEX's soil acceptance criteria, as summarized in the CSMP (1,538.15 tons of Class 2 soil and 4,427.04 tons of Class 3 soil). Documentation of the soil disposal, including an itemized summary by truck load, is included in Appendix B.

The soil excavation activities were conducted within each of the identified Areas beginning at the locations with the documented soil contamination and extending radially outward to achieve a 10-foot radius at one foot below the depth of the deepest soil sample with a detected contaminant concentration. The sidewalls were sloped at a 1.25:1 (horizontal to vertical) to maintain a safe slope. The excavations for Area 1 and Areas 4 through 8 began at the ground surface, due to the chemical detections within the shallowest soil samples. For Areas 2 and 3, the soil from the ground surface to seven feet bgs was considered clean based on a clean soil sample at seven feet bgs in boring GP-8 and field screening. The seven feet of overburden was transported off-site as clean soil. Excavated soils designated for off-site disposal were loaded directly into trucks and transported to CEMEX. Soils from each area were designated as Class 2 or Class 3 soil, based on a comparison of the historical analytical results to CEMEX's soil acceptance criteria, and modified as necessary based on excavation soil sampling analytical results.

Unless field observations indicated otherwise, upon completion of the initial excavation of gray soil, discreet samples from each of the four sidewalls and base of each excavation were collected (i.e., a total of five samples) and analyzed for the known chemical detections in each area (Table 1). One field duplicate sample of the excavation base from each area was also collected and submitted for analysis. The soil samples were analyzed for one or more of the following: gasoline using Ecology Method NWTPH-Gx, diesel and heavy oil using Ecology Method NWTPH-Dx/Dx extended, VOCs (full list or select) using United States Environmental Protection Agency (USEPA) Method 8260B, and/or organochlorine pesticides using USEPA Method 8081.

If the sample results (or field observations) indicated that soils with detectable chemical concentrations remained, the sidewalls and/or base, as applicable, were excavated and extended and the remaining soils were re-tested until each Area met the clean soil criteria (i.e., the MRL).

The soil re-testing occurred at a density of one sidewall sample for every 50 lineal feet of sidewall and one base sample for every 600 square feet of excavation base. The sidewall samples were collected at the depths of the previous detections (Table 1) and were collected directly from the center of the backhoe bucket using clean, decontaminated stainless steel spoons and placed into the appropriate laboratory-prepared sample containers. Samples from excavated areas less than four feet deep and directly accessible by field personnel were collected directly from the base and/or sidewalls using clean, stainless steel spoons. Samples for VOC analyses were collected using syringe samplers following the USEPA Method 5035 protocols and placed into laboratory-prepared sample containers (per the Post-Ex CMP), sealed, labeled, and placed in a cooler, on ice, for delivery to Fremont Analytical Laboratory, Inc. (Fremont), a Washington State accredited analytical laboratory. Additional sample volumes were collected in laboratory-prepared glass jars for additional analyses and moisture content.

Once an Area met the clean soil criteria, the Area was approved for mass excavation. The final excavation limits for each area are shown on Figure 4. The gray soil excavation soil sample locations are shown on Figure 4. A summary of the excavation and sampling of each gray soil area is described below.

3.2.1 Area 1

Area 1, located within the vinyl chloride area, was initially excavated on November 21, 2013 to remove Class 3 soil. Initial soil removed resulted in an excavation with a 10-foot radius at a depth of seven feet bgs around the original boring location (GP-18). Confirmation sidewall samples of the northern, eastern and southern sidewalls were collected at a depth of six feet bgs. Due to the surface topography, the western sidewall sample was collected at a depth of 0.5 feet bgs. The confirmation base sample was collected at a depth of seven feet bgs. The soil samples were submitted for analysis of diesel and heavy oil, using Ecology Method NWTPH-Dx/Dx extended and VOCs (full list) using USEPA Method 8260B.

After confirming the removal of the Class 3 soil, Area 1 was further excavated on November 26, 2013 to remove the Class 2 soil within the clean, dry overburden in Area 9. Additional soil removal resulted in an excavation with a 10-foot radius at a depth of 13 feet bgs around the original boring location. Confirmation sidewall samples were collected depths of 12

feet bgs for the northern, eastern, and southern sidewalls and at a depth of 6.5 feet bgs for the western sidewall. The confirmation base sample was collected at a depth of 13 feet bgs. The soil samples were submitted for analysis of diesel and heavy oil, using Ecology Method NWTPH-Dx/Dx extended and VOCs (full list) using USEPA Method 8260B.

3.2.2 Area 2

The upper seven feet of clean overburden from Area 2 was removed on November 26, 2013. The gray soil excavation began on November 27, 2013. Gray soil removal resulted in an excavation with a 10-foot radius at a depth of 15.5 feet bgs around the original boring location (GP-10). Field observations indicated contamination in the sidewalls and base at the initial excavation limits and additional over-excavation was conducted on November 27 and December 2, 2013. Soil from this area was disposed of as Class 3 soil. The final excavation limits were an approximate 50-foot diameter circle around the original boring location, as measured at the base of the excavation. The base of the excavation ranged from 15 to 18 feet bgs and consisted of the confining silt layer. The sidewalls were sampled at a depth of 15 feet bgs due to field observations of the elevation of the contamination. Due to the size of the excavation, two additional sidewall and three additional base samples were collected. The soil samples were submitted for analysis of gasoline using Ecology Method NWTPH-Gx, diesel using Ecology Method NWTPH-Dx, and VOCs (full list) using USEPA Method 8260B.

3.2.3 Area 3

The upper seven feet of clean overburden from Area 3 was removed on November 20, 2013. The gray soil was initially removed within a 10-foot radius at a depth of 11 feet bgs around the original boring location (GP-8). Soil from the initial excavation was disposed of as Class 2 soil. Confirmation sidewall samples were collected at a depth of 10 feet bgs and the confirmation base sample was collected at a depth of 11 feet bgs. The soil samples were submitted for analysis of cis-1,2-DCE, using USEPA Method 8260B.

During the initial excavation, field observations indicated petroleum hydrocarbon contamination in the southeast portion of the excavation, at a depth of eight feet bgs. Analytical results of this soil indicated gasoline and petroleum hydrocarbon-related VOC contamination.

On November 22, 2013, PES collected additional sidewall samples from the north, west, and east sidewalls at a depth of 8 feet bgs to confirm that there was no gasoline-related contamination at the original excavation limits. The southeastern sidewall was subsequently over-excavated on November 22, 201, at which time a UST (approximately 200 gallons) was encountered. The UST had been mangled prior to exposure. A sample of the residual contents of the UST was submitted for analysis of gasoline using Ecology Method NWTPH-Gx, diesel and heavy oil using Ecology Method NWTPH-Dx/Dx extended, and VOCs (full list) using USEPA Method 8260B. The analytical results indicated gasoline, diesel, heavy oil and VOC contamination (Table 2). The UST was properly disposed of off-site.

Additional over-excavation was conducted on November 25, 2013. Field observations indicated that contaminated soil remained in the sidewalls but additional excavation was delayed until the installation of the eastern shoring wall. The additional over-excavation continued on January 28

and was completed on January 30, 2014. The eastern sidewall was extended approximately 20 feet from the initial excavation extent. The over-excavated material was disposed of as Class 3 soil.

Due to the size of the excavation and to confirm all contaminated soil was removed, seven additional sidewall and five additional base samples were collected. The soil samples were submitted for analysis of gasoline using Ecology Method NWTPH-Gx, diesel and heavy oil using Ecology Method NWTPH-Dx/Dx extended, and VOCs (full list) using USEPA Method 8260B.

3.2.4 Area 4

Area 4 was excavated on November 18, 2013. Gray soil removal resulted in an excavation with a 10-foot radius at a depth of three feet bgs around the original boring location (HA-7). Soil from this area was disposed of as Class 2 soil. Confirmation sidewall samples were collected at a depth of two feet bgs and the confirmation base sample was collected at a depth of three feet bgs. The soil samples were submitted for analysis of xylenes, using USEPA Method 8260B.

3.2.5 Area 5

Area 5 was excavated on November 18, 2013. Gray soil removal resulted in an excavation with a 10-foot radius at a depth of two feet bgs around the original boring location (GP-1). Soil from this area was disposed of as Class 2 soil. Confirmation sidewall samples were collected at a depth of one foot bgs and the confirmation base sample was collected at a depth of two feet bgs. The soil samples were submitted for analysis of toluene, using USEPA Method 8260B.

3.2.6 Area 6

Area 6 was initially excavated on November 18, 2013. Gray soil removal resulted in an excavation with a 10-foot radius at a depth of 1.5 feet bgs around the original boring location (GP-24). Soil from this area was disposed of as Class 2 soil. Confirmation sidewall samples were collected at a depth of 0.5 feet bgs, and the confirmation base sample was collected at a depth of 1.5 feet bgs. The soil samples were submitted for analysis of heavy oil, using Ecology Method NWTPH-Dx/Dx extended.

Based on the analytical results, the western sidewall was over-excavated an additional four feet and the base was over-excavated an additional 2.5 feet bgs. The western sidewall and base were re-sampled.

3.2.7 Area 7

Area 7 excavation activities began on November 21, 2013. Initial gray soil removal resulted in an excavation with a 10-foot radius at a depth of seven feet bgs around the original boring location (GP-13). Soil from this area was disposed of as Class 3 soil. Based on field observations, the western and northeastern sidewalls were over-excavated approximately 10 feet and five feet, respectively. Confirmation sidewall samples were collected at a depth of six feet

bgs and the confirmation base sample (and field duplicate) were collected at a depth of seven feet bgs. The soil samples were submitted for analysis of gasoline using Ecology Method NWTPH-Gx, diesel using Ecology Method NWTPH-Dx, and VOCs (full list) using USEPA Method 8260B.

Based on the analytical results, the western sidewall was over-excavated an additional 5 feet on December 2, 2013. The western sidewall was re-sampled.

3.2.8 Area 8

Area 8 was excavated on November 19, 2013. Gray soil removal resulted in an excavation with a 10-foot radius at a depth of 2.5 feet bgs around the original boring location (GP-19). Soil from this area was disposed of as Class 2 soil. Confirmation sidewall samples were collected at a depth of 1.5 feet bgs and the confirmation base sample was collected at a depth of 2.5 feet bgs. The soil samples were submitted for analysis of diesel and heavy oil using Ecology Method NWTPH-Dx/Dx extended, and alpha- and gamma-chlordane, using USEPA Method 8081B.

3.2.9 Area 10

Area 10, located within the vinyl chloride area southern sidewall slope, was initially excavated on November 20, 2013 to remove the gray soil in the clean, dry overburden in Area 9. Gray soil removal resulted in an excavation with a 10-foot radius at a depth of six feet bgs around the original boring location (GP-27). Soil from this area was disposed of as Class 2 soil. Confirmation sidewall samples of the northern, eastern and southern sidewalls were collected at a depth of five feet bgs. Due to the surface topography, a western sidewall sample was not collected. The confirmation base sample was collected at a depth of six feet bgs. The soil samples were submitted for analysis of naphthalene using USEPA Method 8260B. Due to an unidentified odor, the eastern sidewall sample was also analyzed for gasoline using Ecology Method NWTPH-Gx, diesel and heavy oil using Ecology Method NWTPH-Dx/Dx extended, and VOCs (full list) using USEPA Method 8260B.

The excavation of the heavy oil previously detected at a depth of 14.5 feet bgs was addressed with the vinyl chloride area excavation.

3.2.10 Area 11

Area 11, located within the vinyl chloride area, was initially excavated on November 19, 2013 to remove the gray soil within the clean dry overburden in Area 9. Gray soil removal resulted in an excavation with a 10-foot radius at a depth of four feet bgs around the original boring location (GP-30). Soil from this area was disposed of as Class 2 soil. Confirmation sidewall samples were collected at a depth of three feet bgs and the confirmation base sample was collected at a depth of four feet bgs. The soil samples were submitted for analysis of naphthalene using USEPA Method 8260B.

Area 11 was further excavated on November 19, 2013 to remove the gray soil with toluene, diesel, and heavy oil contamination within the clean, dry overburden in Area 9. Area 11 was

over-excavated to result in an excavation with a 10-foot radius at a depth of eight feet bgs around the original boring location. Further excavation (vertically) was not necessary due to the observation of saturated soil at the base of the excavation that would be removed as part of the vinyl chloride area. Soil from this area was disposed of as Class 2 soil. Confirmation sidewall samples were collected at a depth of eight feet bgs. No base samples were collected as the soil was to be removed with the vinyl chloride area excavation of saturated soils. The soil samples were submitted for analysis of diesel and heavy oil, using Ecology Method NWTPH-Dx/Dx extended and toluene using USEPA Method 8260B.

3.3 Vinyl Chloride Area Excavation and Soil Sampling Procedures

Vinyl chloride area excavation activities were conducted from December 2013 to January 2014. A total of 11,325.17 tons of Class 2 soil were excavated and disposed of at the CEMEX facility. Documentation of the soil disposal, including an itemized summary by truck load, is included in Appendix B.

3.3.1 Shoring Installation

The vinyl chloride area shoring consisted of cantilevered soldier piles with wood lagging along the northern and western property lines in the northwest portion of the Property (Figure 4). Soil cuttings generated during drilling for the installation of both the soldier piles and lagging were handled as clean material based on historical analytical results.

3.3.2 Vinyl Chloride Area Excavation and Sampling Activities

The limits of the vinyl chloride area (Figure 4) were surveyed by DRS prior to the start of the vinyl chloride area excavation activities. The clean, dry overburden was removed from approximately December 10 through December 13, 2013 and was transported off-site for disposal. PES was on-site periodically to observe the overburden removal and confirm the elevation of the saturated soils. Saturated soils within the vinyl chloride area (Area 9) were excavated to the depth of the confining silt layer from approximately December 12, 2013 through January 9, 2014. PES was on-site periodically to observe the elevation of the confining silt layer and to direct the excavator operator to identify this layer. The elevation of the confining silt layer ranged from 132 feet amsl at the western property line to approximately 142 feet amsl at the eastern extent of the vinyl chloride area. Historical samples collected from the vinyl chloride area soils did not contain detectable contaminant concentrations; however, the soil was disposed of as Class 2 soil at the CEMEX facility.

The excavation sidewalls were sampled at a density of one sample per 50 linear feet, and the base was sampled at a density of one sample per 600 square feet. The soil sample locations are shown on Figure 5. Field duplicate samples from the base were also collected for analysis. The sidewall samples were collected from the saturated soils, at a depth that was estimated to be halfway between the top of the saturated zone and the confining silt layer, and were collected directly from the sidewalls using syringe samplers following the USEPA Method 5035 protocols and clean stainless steel spoons. The samples were placed into laboratory-prepared sample containers, in accordance with the Post-Ex CMP. Soil samples collected from the vinyl chloride

area excavation were submitted for vinyl chloride analysis using USEPA Method 8260B. In accordance with PES's *Sampling and Analysis Plan* for the vinyl chloride area assessment (PES, 2013a), the sidewall samples were also submitted for analysis of diesel and heavy oil using Ecology NWTPH-Dx/Dx extended, and naphthalene and toluene using USEPA Method 8260B (contaminants detected in GP-27 and GP-30).

Over-excavation within the vinyl chloride area was not necessary based on the confirmation soil sampling results (see Section 4.2).

3.4 Groundwater and Stormwater Management

The excavation activities were located above the deep water-bearing unit and active de-watering was not necessary. A limited amount of perched ground water accumulated in Area 2 and the vinyl chloride area (Area 9). Incidental rainwater that accumulated in Areas 3, 7, and 9 required removal to facilitate the excavation activities.

This water was pumped into one of two Baker tanks and batch-tested prior to discharge. Approximately 3,450 gallons of water was discharged to the sanitary sewer under a discharge authorization (4280-01) from the King County Industrial Waste Program (KCIW).

4.0 POST-EXCAVATION CONFIRMATION SOIL SAMPLING RESULTS

The findings of the Post-Excavation Compliance Soil Sampling are presented below. Excavation limits and confirmation sampling locations for the gray soil and vinyl chloride area excavations are shown on Figures 4 and 5, respectively. A summary of the soil analytical results for confirmation samples are presented in Tables 3 through 13. The interim excavation soil sample analytical results are summarized in Tables 3 through 13 as well. This interim data was used to direct the gray soil excavation activities and represents data for soil that was over-excavated. The laboratory analytical reports and chain-of-custody forms for the analyzed samples are included in Appendix C.

4.1 Data Quality Review

PES conducted a data quality review of the confirmation soil sampling data consistent with the USEPA data review guidelines (USEPA, 1999). Data completeness, holding times, laboratory instrument calibrations, surrogate recoveries, matrix spike and matrix spike duplicates, laboratory control samples, quantitation limits, method blanks, field QC samples, and trip blanks were reviewed. PES assigned the following data qualifiers, as needed:

- J qualifier: result is an estimate based on laboratory quality control results or data quality review.
- R qualifier: result is rejected based on low laboratory control sample (LCS) percent recoveries

The usefulness of the data was determined based on the USEPA guidelines. Based on the data quality review, PES judged all of the data acceptable for its intended use, with the exception of the dichlorodifluoromethane results in samples Area10-ESW1-5 and Area3-SSW1-8 and the chloromethane results in samples Area-2-Base1-18 and Area-2-Base2-18.

Dichlorodifluoromethane and chloromethane were not constituents of concern for these activities and therefore the rejected data do not affect the usefulness of the remaining data. Memoranda summarizing the data quality review are presented in Appendix D.

4.2 Summary of Confirmation Soil Sample Analytical Results

The soil sample locations and analytical parameters were based on historical detections as well as field observations and excavation sampling results as described in the previous section. The purpose of the gray soil excavation activities were to remove soil with all detectable concentrations so that the areas could be cleared for mass excavation. With the exception of two soil samples collected from Areas 1 and 11, both within the vinyl chloride area (Area 9), confirmation soil samples did not contain contaminant concentrations at or above the applicable MRLs. The heavy oil concentrations detected in the southern sidewall of Area 1 (206J milligrams per kilogram [mg/kg]) and the western sidewall of Area 11 (206 mg/kg) were confirmed to be removed with the vinyl chloride area excavation sampling.

The purpose of the vinyl chloride area excavation activities was to remove saturated soils within the extent of the vinyl chloride contaminated perched water. The excavation activities were not directed based on soil analytical results.

However, in accordance with the Post-Ex CMP, an evaluation of the need for over-excavation of any contaminants detected in the confirmation samples was made based on the constituent detected, a comparison of the concentration to the applicable cleanup level, as well as the location of the sample in reference to the garage footprint and whether the area would require excavation as part of site redevelopment.

Only one vinyl chloride area confirmation sample contained a detected constituent. The base sample Area9-Base10-134 contained naphthalene at a concentration of 0.0584 mg/kg. As the concentration is below the MTCA Method A cleanup level of 5 mg/kg, and the location is outside of the garage footprint and is below the redevelopment depth, this location was not over-excavated.

The confirmation sampling locations and laboratory analytical results have been uploaded into Ecology's Environmental Information Management (EIM) system.

5.0 SUMMARY AND CONCLUSIONS

The gray soil excavations were conducted to remove soil with detectable contaminant concentrations, based on PES's site assessment activities conducted in 2012 and 2013. The ten areas identified for gray soil removal were excavated to their initial excavation limits and confirmation sidewall and base samples were collected. Over-excavation of the sidewalls and base was conducted, as needed, based on field observations and/or analytical results. Based on the results of the gray soil area confirmation soil sampling, all soil with detectable concentrations was removed.

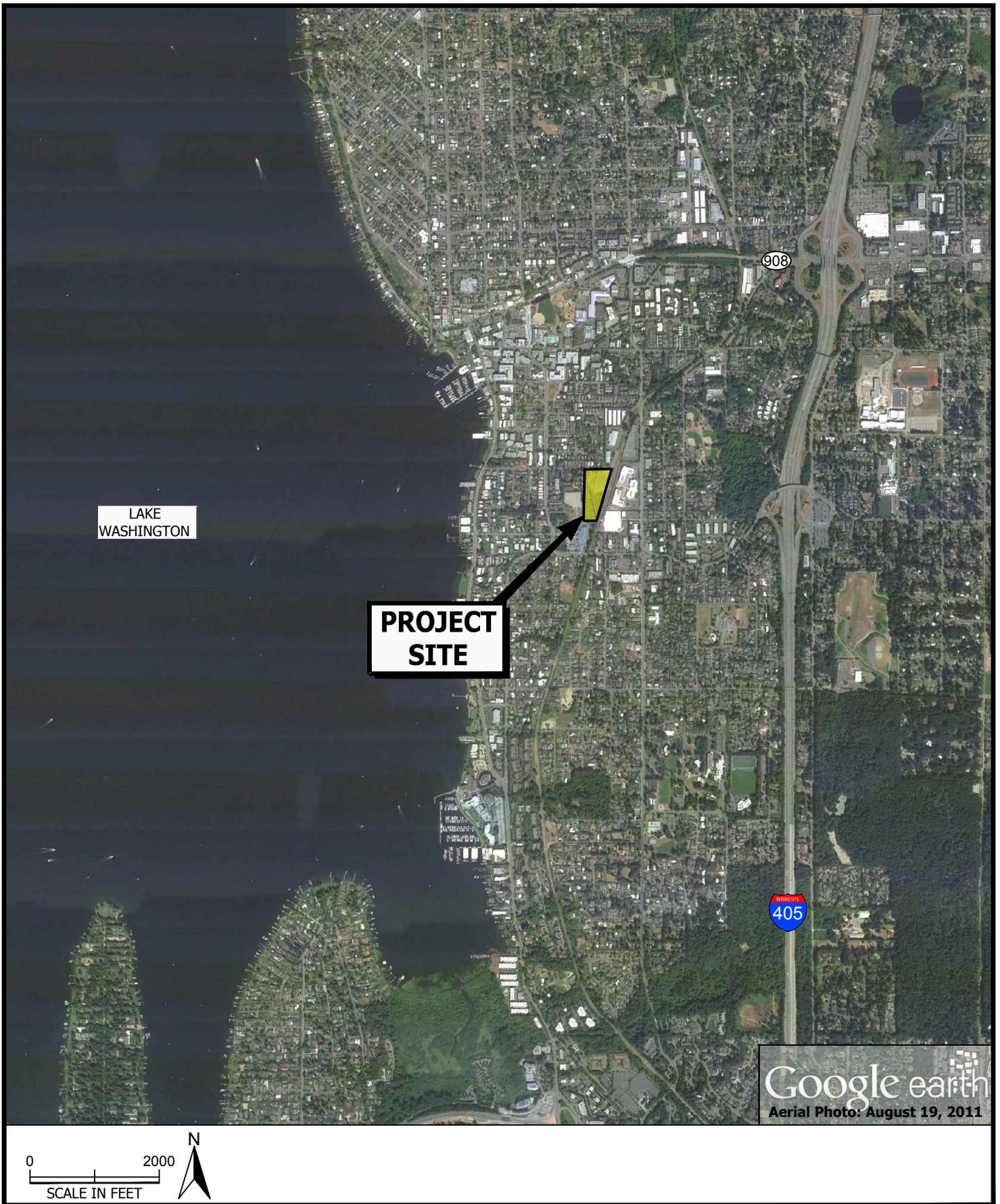
The vinyl chloride area excavation limits were previously determined based on an assessment of detectable vinyl chloride concentrations in perched groundwater in the northwest corner of the Property. The excavation was conducted to remove saturated soils containing vinyl chloride that were located above a confining silt layer. Soil within the vinyl chloride area was excavated based on the pre-determined horizontal extent and vertically to the field observations of the confining silt layer. The confirmation soil sample analytical results did not contain detectable contaminant concentrations, with the exception of one base sample that contained a naphthalene concentration well below the applicable cleanup level. This location was outside of the building footprint and below the planned development depth and did not require over-excavation.

Based on the results of the confirmation soil sampling performed during excavation activities, PES concludes that all of the gray soil and the vinyl chloride soil have been effectively removed from the Property consistent with the Post-Ex CMP and CSMP.

6.0 REFERENCES

- PES Environmental, Inc. 2012. *Soil Assessment Report, Former Pace National Property, 500 7th Avenue South, Kirkland, Washington*. November 15.
- PES Environmental Inc. 2013a. *Sampling and Analysis Plan, Former Pace National Property, 500 7th Avenue South, Kirkland, Washington*. February 14.
- PES Environmental Inc. 2013b. *Vinyl Chloride Area Assessment Report, Former Pace National Property, 500 7th Avenue South, Kirkland, Washington*. June 7.
- PES Environmental. 2013c. *Contaminated Soil Management Plan. Former Pace National Property, 500 7th Avenue South, Kirkland, Washington*. August 30.
- PES Environmental. 2013d. *Post Excavation Compliance Monitoring Plan. Former Pace National Property, 500 7th Avenue South, Kirkland, Washington*. October 10.
- Sound Environmental Strategies, Inc. 2010. *Remedial Investigation/Feasibility Study, Former Pace National Property, 500 7th Avenue South, Kirkland, Washington*. December 13.
- Washington State Department of Ecology. 2012a. *Cleanup Action Plan, Former Pace National Site, 500 7th Avenue South, Kirkland, Washington, Site ID#5063, Facility Site ID# 2159*. January.
- Washington State Department of Ecology. 2012b. *Consent Decree, Former Pace National Site, 500 7th Avenue South, Kirkland, Washington, Site ID#5063, Facility Site ID# 2159*. May (as amended September 2013).

ILLUSTRATIONS



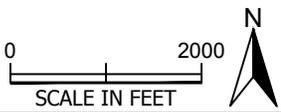
LAKE
WASHINGTON

**PROJECT
SITE**

908

405

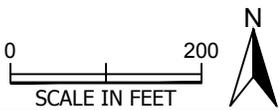
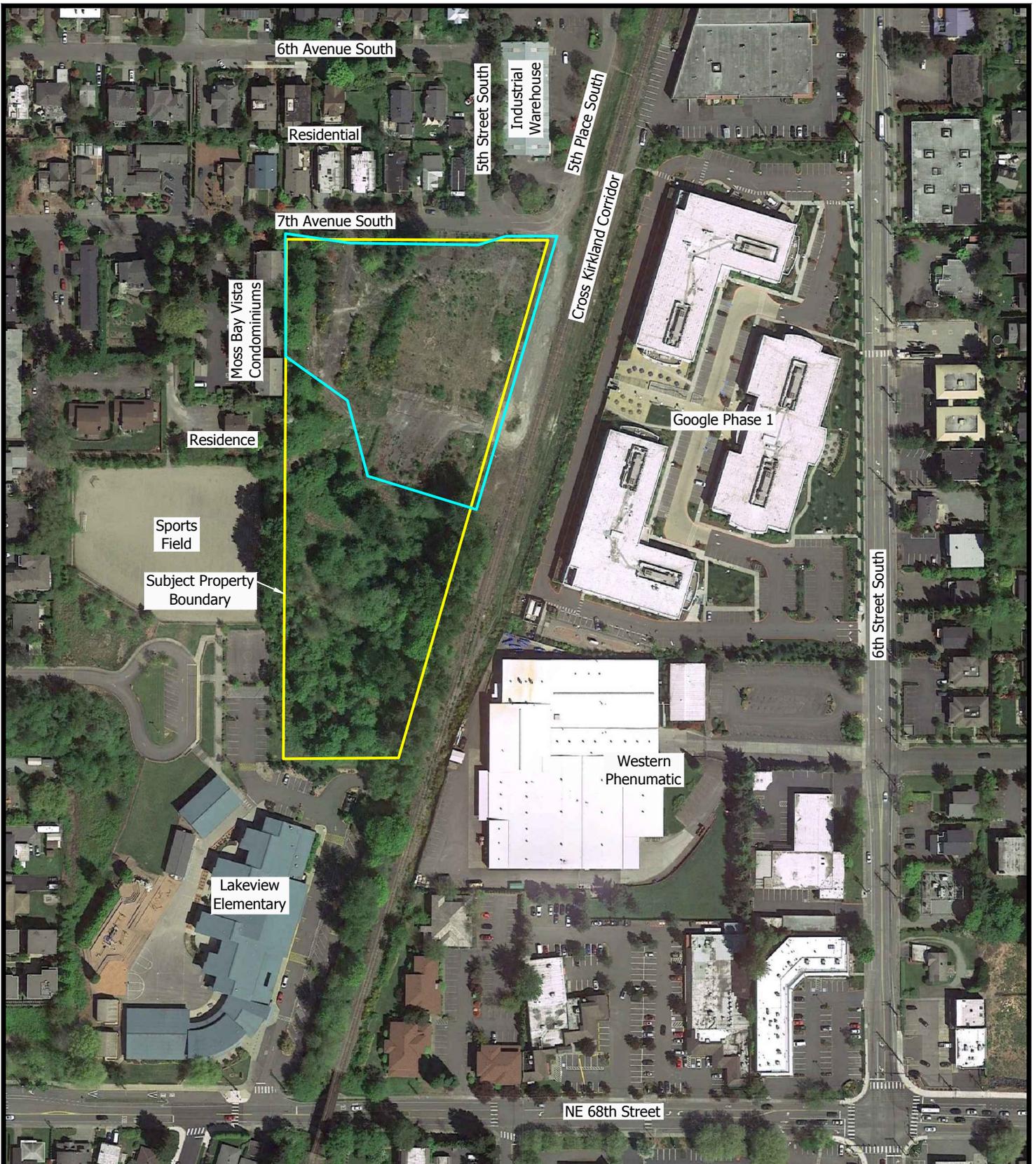
Google earth
Aerial Photo: August 19, 2011



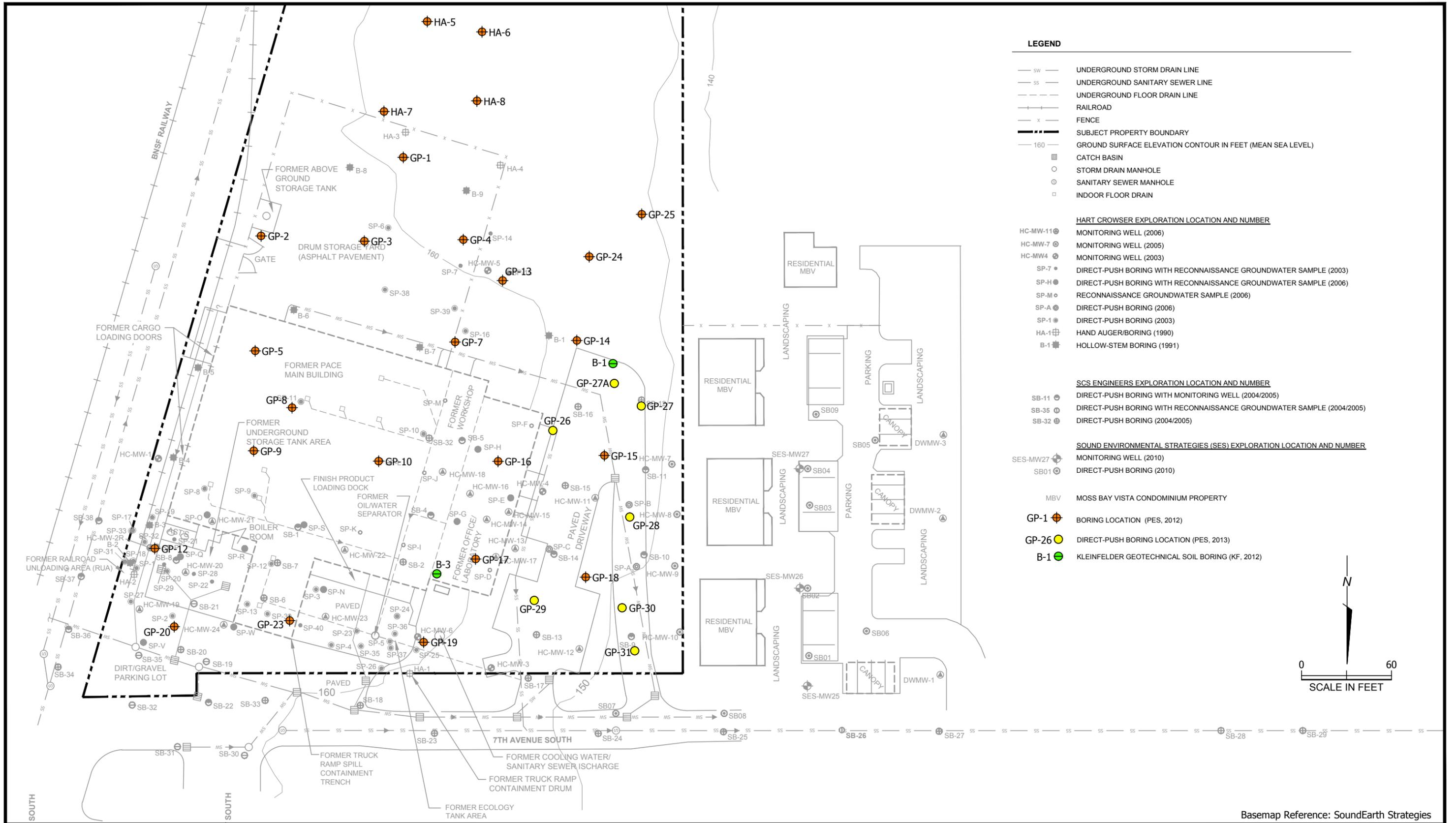
PES Environmental, Inc.
Engineering & Environmental Services

Site Location Map
Former Pace National Property
500 7th Avenue South
Kirkland, Washington

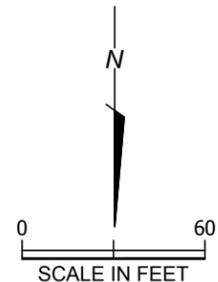
FIGURE
1



Explanation	
—	Property Boundary
—	Boundary of Site covered by Consent Decree



- LEGEND**
- SW — UNDERGROUND STORM DRAIN LINE
 - SS — UNDERGROUND SANITARY SEWER LINE
 - — — UNDERGROUND FLOOR DRAIN LINE
 - +—+— RAILROAD
 - x — FENCE
 - — — SUBJECT PROPERTY BOUNDARY
 - 160 — GROUND SURFACE ELEVATION CONTOUR IN FEET (MEAN SEA LEVEL)
 - ▣ CATCH BASIN
 - STORM DRAIN MANHOLE
 - ⊙ SANITARY SEWER MANHOLE
 - INDOOR FLOOR DRAIN
- HART CROWSER EXPLORATION LOCATION AND NUMBER**
- HC-MW-11 ⊙ MONITORING WELL (2006)
 - HC-MW-7 ⊙ MONITORING WELL (2005)
 - HC-MW-4 ⊙ MONITORING WELL (2003)
 - SP-7 ⊙ DIRECT-PUSH BORING WITH RECONNAISSANCE GROUNDWATER SAMPLE (2003)
 - SP-H ⊙ DIRECT-PUSH BORING WITH RECONNAISSANCE GROUNDWATER SAMPLE (2006)
 - SP-M ⊙ RECONNAISSANCE GROUNDWATER SAMPLE (2006)
 - SP-A ⊙ DIRECT-PUSH BORING (2006)
 - SP-1 ⊙ DIRECT-PUSH BORING (2003)
 - HA-1 ⊙ HAND AUGER/BORING (1990)
 - B-1 ⊙ HOLLOW-STEM BORING (1991)
- SCS ENGINEERS EXPLORATION LOCATION AND NUMBER**
- SB-11 ⊙ DIRECT-PUSH BORING WITH MONITORING WELL (2004/2005)
 - SB-35 ⊙ DIRECT-PUSH BORING WITH RECONNAISSANCE GROUNDWATER SAMPLE (2004/2005)
 - SB-32 ⊙ DIRECT-PUSH BORING (2004/2005)
- SOUND ENVIRONMENTAL STRATEGIES (SES) EXPLORATION LOCATION AND NUMBER**
- SES-MW27 ⊙ MONITORING WELL (2010)
 - SB01 ⊙ DIRECT-PUSH BORING (2010)
- MBV** MOSS BAY VISTA CONDOMINIUM PROPERTY
- GP-1 ⊙ BORING LOCATION (PES, 2012)
 - GP-26 ⊙ DIRECT-PUSH BORING LOCATION (PES, 2013)
 - B-1 ⊙ KLEINFELDER GEOTECHNICAL SOIL BORING (KF, 2012)

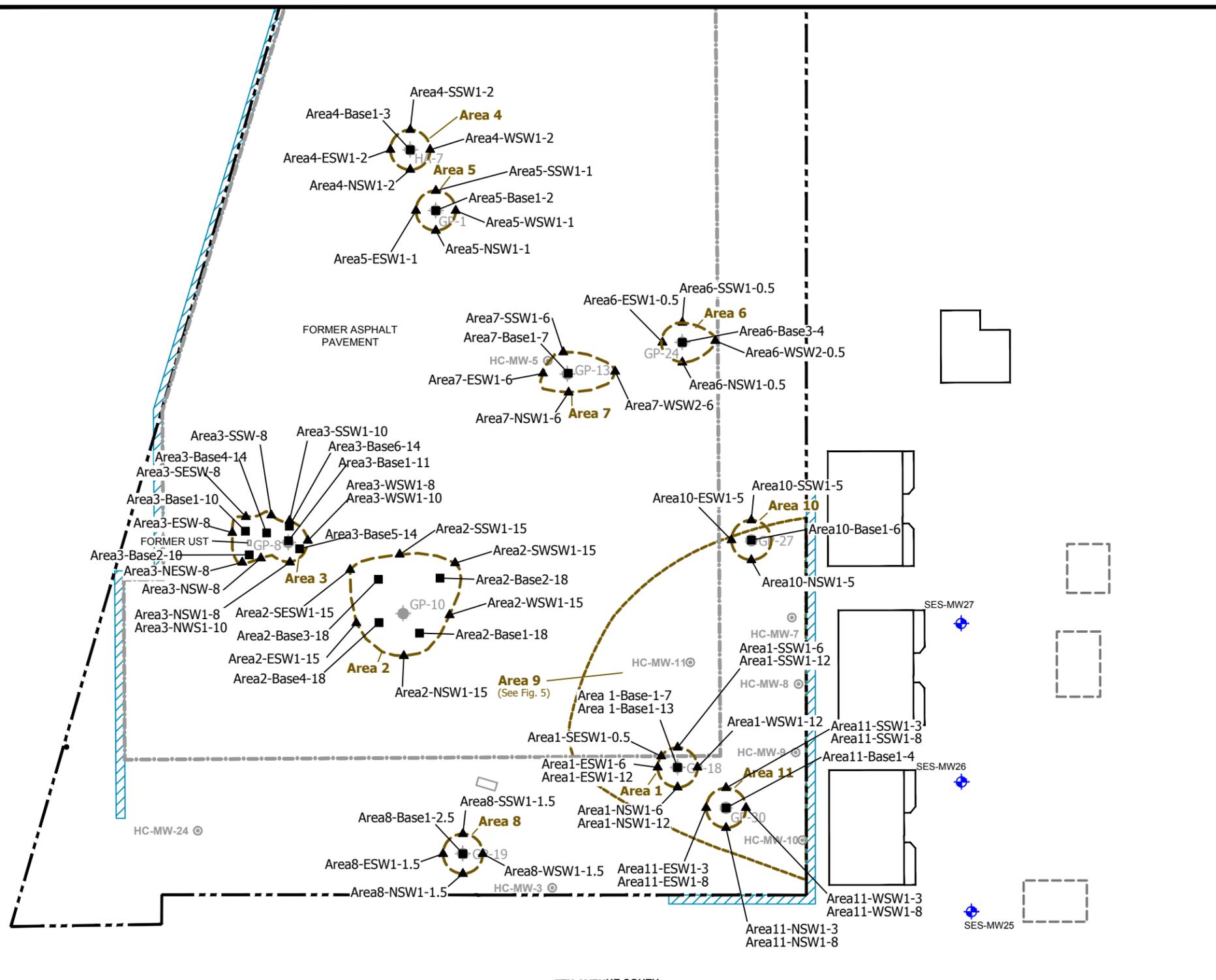


Basemap Reference: SoundEarth Strategies



Site Map
Former Pace National Property
500 7th Avenue South
Kirkland, Washington

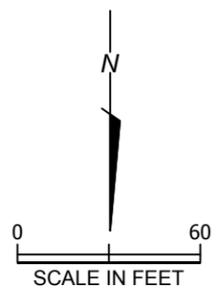
FIGURE
3



LEGEND

- SUBJECT PROPERTY BOUNDARY
- PLANNED GARAGE FOOTPRINT
- ABANDONED MONITORING WELL
- MONITORING WELL
- BORING LOCATION (PES, 2012)
- BORING LOCATION (PES, 2013)
- SIDEWALL SAMPLE LOCATION
- BASE SAMPLE LOCATION
- APPROXIMATE SHORING LOCATION
- EXCAVATION AREA DESIGNATION
- APPROXIMATE GRAY SOIL EXCAVATION LIMIT

NOTE:
 EXCAVATION LIMITS SHOWN AT THE TOE OF SLOPE/BASE OF EXCAVATION.
 FINAL NUMBERS IN SAMPLE ID REPRESENT APPROXIMATE SAMPLE DEPTH BELOW GROUND SURFACE.
 GRAY SOIL EXCAVATION SAMPLES COLLECTED FROM NOVEMBER 18 THROUGH DECEMBER 2, 2013.

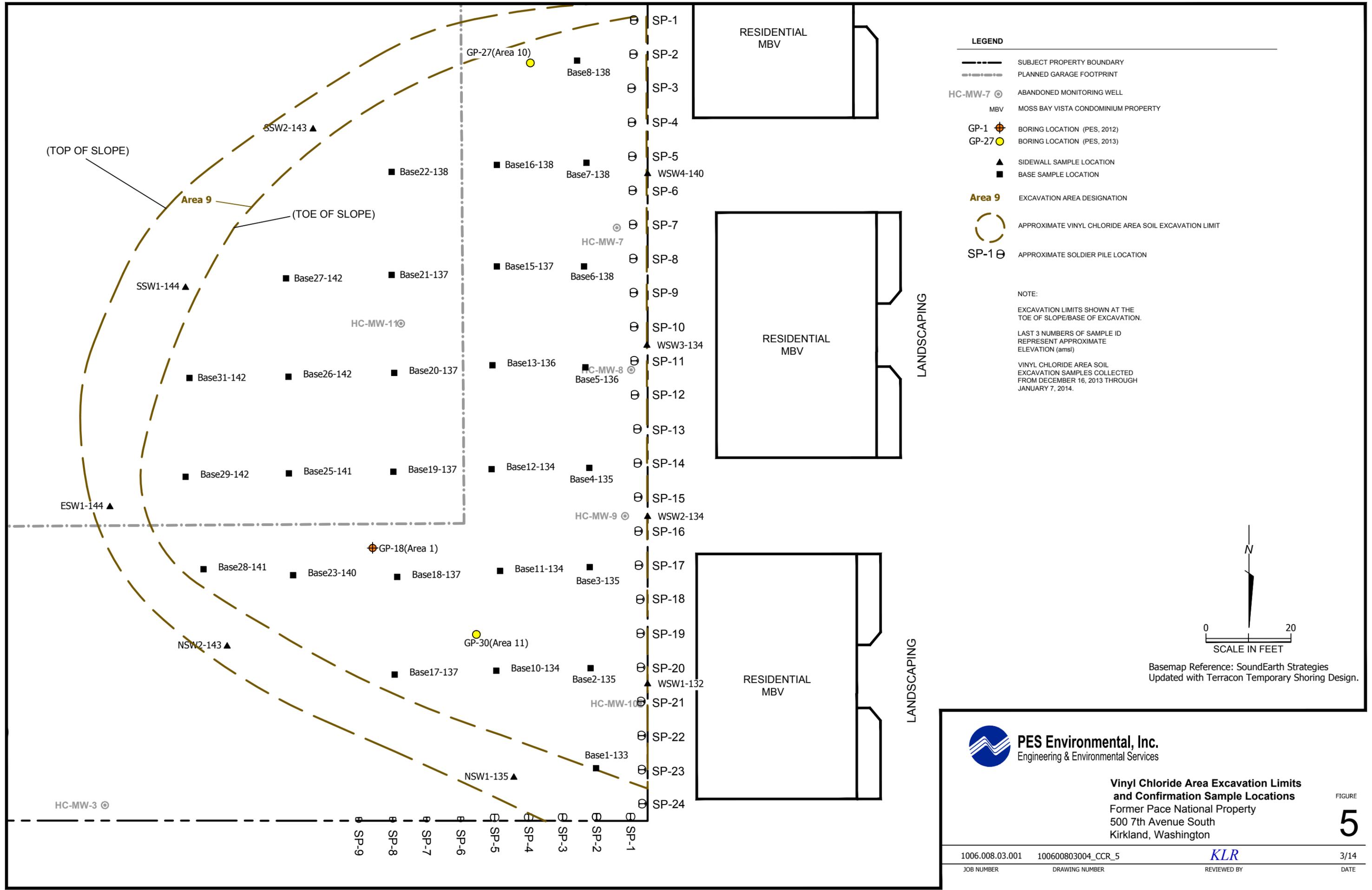


Basemap Reference: SoundEarth Strategies



Gray Soil Excavation Limits and Confirmation Sample Locations
 Former Pace National Property
 500 7th Avenue South
 Kirkland, Washington

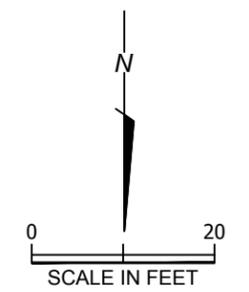
FIGURE
4



LEGEND

- SUBJECT PROPERTY BOUNDARY
- PLANNED GARAGE FOOTPRINT
- HC-MW-7 ABANDONED MONITORING WELL
- MBV MOSS BAY VISTA CONDOMINIUM PROPERTY
- GP-1 BORING LOCATION (PES, 2012)
- GP-27 BORING LOCATION (PES, 2013)
- ▲ SIDEWALL SAMPLE LOCATION
- BASE SAMPLE LOCATION
- Area 9** EXCAVATION AREA DESIGNATION
- APPROXIMATE VINYL CHLORIDE AREA SOIL EXCAVATION LIMIT
- SP-1 APPROXIMATE SOLDIER PILE LOCATION

NOTE:
 EXCAVATION LIMITS SHOWN AT THE TOE OF SLOPE/BASE OF EXCAVATION.
 LAST 3 NUMBERS OF SAMPLE ID REPRESENT APPROXIMATE ELEVATION (amsl)
 VINYL CHLORIDE AREA SOIL EXCAVATION SAMPLES COLLECTED FROM DECEMBER 16, 2013 THROUGH JANUARY 7, 2014.



Basemap Reference: SoundEarth Strategies
 Updated with Terracon Temporary Shoring Design.

PES Environmental, Inc.
 Engineering & Environmental Services

Vinyl Chloride Area Excavation Limits and Confirmation Sample Locations
 Former Pace National Property
 500 7th Avenue South
 Kirkland, Washington

FIGURE
5

1006.008.03.001
 JOB NUMBER

100600803004_CCR_5
 DRAWING NUMBER

KLR
 REVIEWED BY

3/14
 DATE

TABLES

Table 1
Planned Excavation Areas
Former Pace National Property
500 7th Avenue South, Kirkland, WA

Area	Surface Elevation (ft NAVD 88)	Depth of Historical Detection (ft bgs)	Elevation of Historical Detection (ft NAVD 88)	Initial Excavation Elevations (ft NAVD 88)	Waste Classification (CEMEX)	Parameter
1 (GP-18)	157.47	6	151.47	surface to 150.47	Class 3	DRO
		6 and 12	151.47 and 145.47	below 150.47 dispose with Area 9 soil		HO
		6 and 12	151.47 and 145.47	below 150.47 dispose with Area 9 soil		VOCs (full list)
2 (GP-10)	168.27	14.5	153.77	161.27 to 152.77	Class 3	GRO
		14.5	153.77			DRO
		14.5	153.77			VOCs (full list)
3 (GP-8)	168.47	10	158.47	161.47 to 157.47	Class 2	cis-1,2 dichloroethene
4 (HA-7)	159.74	2	157.74	surface to 156.74	Class 2	xylenes
5 (GP-1)	160.37	1	159.37	surface to 158.37	Class 2	toluene
6 (GP-24)	154.87	0.5	154.37	surface to 153.37	Class 2	HO
7 (GP-13)	160.8	6	154.8	surface to 153.8	Class 3	GRO
		6	154.8			DRO
		6	154.8			VOCs (full list)
8 (GP-19)	164.47	1.5	162.97	surface to 161.97	Class 2	DRO
		1.5	162.97			Chlordane
9 (VC)	148 to 159	NA	NA	surface to saturated soil	clean	
		NA	NA	saturated soil to 130-133	Class 2	VC, DRO, HO, Naphthalene, Toluene
10 (GP-27)	156.87	5	151.87	surface to 141.37	Class 2	Naphthalene
		14.5	142.37			HO
11 (GP-30)	150.33	3	147.33	surface to saturated soil	Class 2	Naphthalene
		8	142.33	saturated soil dispose with Area 9 soil		Toluene and DRO

Notes:

- 1) ft bgs = feet below ground surface
- 2) GRO = gasoline-range organics
- 3) DRO = diesel-range organics
- 4) HO = heavy oil range organics
- 5) VOCs = volatile organic compounds
- 6) VC = vinyl chloride
- 7) NA = not applicable
- 8) Surface Elevations as determined by DR Strong Consulting Engineers, Inc. survey on April 9, 2013.
- 9) Initial excavation elevations assume excavating to one foot below soil detection elevation.

Table 2
Summary of UST Water Sample Analytical Results
Former Pace National Property
500 7th Avenue South, Kirkland, WA

Analyte	Concentration ($\mu\text{g/L}$)
Gasoline	4,150 EJ
Diesel (Fuel Oil)	203
Heavy Oil	300
Vinyl Chloride	0.460
Chloroethane	2.03 J
Acetone	17.8
1,1-Dichloroethane	4.51
cis-1,2-Dichloroethene	4.96
Benzene	1.00
2-Nitropropane	39.0
Toluene	2.88
Ethylbenzene	64.8
m,p-Xylene	77.3
o-Xylene	7.25
Cumene	21.2
n-Propylbenzene	30.1
1,3,5-Trimethylbenzene	13.7
sec-Butylbenzene	6.90
4-Isopropyltoluene	15.2
n-Hexane	3.63
1,2,4-Trimethylbenzene	197
Naphthalene	70.9

Notes:

- 1) Sample collected on November 22, 2013 of the UST residual contents
- 2) $\mu\text{g/L}$ = micrograms per liter or parts per billion
- 3) Concentrations exceeding the method reporting limit are shown in **bold**
- 4) E = estimated value due to value above quantitation range
- 5) J = estimated value
- 6) Gasoline analysis by Ecology Method NWTPH-Gx.
- 7) Diesel and Heavy Oil analysis by Ecology Method NWTPH-Dx/Dx extended
- 8) Volatile Organic Compound analysis by USEPA Method 8260; detected analytes shown here; see laboratory report for the complete list

Table 3
Summary of Soil Analytical Results - Area 1
Former Pace National Property
500 7th Avenue South, Kirkland, WA

Area ID	Sample ID	Sample Date	Surface Elevation (ft amsl)	Depth (ft bgs)	Estimated Elevation (ft amsl)	Diesel (Fuel Oil) (mg/kg)	Heavy Oil (mg/kg)	Benzene (mg/kg)	Xylenes (mg/kg)	4-Isopropyl Toluene (mg/kg)	1,2,4-Trimethyl Benzene (mg/kg)	Naphthalene (mg/kg)	Toluene (mg/kg)
Area 1	Area1-NSW1-6	11/21/13	157.47	6	151.47	22.1 U	55.2 U	0.0186 U	0.0186 U	0.0186 U	0.0186 U	0.0279 U	0.0186 U
	Area1-ESW1-6	11/21/13		6	151.47	22.1 U	55.3 U	0.0198 U	0.0198 U	0.0198 U	0.0198 U	0.0298 U	0.0198 U
	Area1-SSW1-6	11/21/13		6	151.47	22.6 U	56.5 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0285 U	0.0190 U
	Area1-SESW1-0.5	11/21/13	151.97	0.5	151.47	22.1 U	55.3 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0285 U	0.0190 U
	Area1-Base1-7	11/21/13		7	150.47	23.6 U	58.9 U	0.0226 U	0.0226 U	0.0226 U	0.0226 U	0.0339 U	0.0226 U
	Area1-Base2-7 (Dupe)	11/21/13	157.47	7	150.47	24.5 U	61.3 U	0.0235 U	0.0235 U	0.0235 U	0.0235 U	0.0352 U	0.0235 U
	Area1-NSW1-12	11/26/13		12	145.47	22.4 U	56.0 U	0.0231 U	0.0231 U	0.0231 U	0.0231 U	0.0346 U	0.0231 U
	Area1-ESW1-12	11/26/13		12	145.47	22.0 U	55.0 U	0.0229 U	0.0229 U	0.0229 U	0.0229 U	0.0343 U	0.0229 U
	Area1-SSW1-12	11/26/13	151.97	12	145.47	23.3 U	203 J	0.0203 U	0.0203 U	0.0203 U	0.0203 U	0.0305 U	0.0203 U
	Area1-WSW1-12	11/26/13		6.5	145.47	25.6 U	63.9 U	0.0253 U	0.0253 U	0.0253 U	0.0253 U	0.0380 U	0.0253 U
	Area1-Base1-13	11/26/13		13	144.47	23.5 U	58.8 U	0.0219 U	0.0219 U	0.0219 U	0.0219 U	0.0329 U	0.0219 U
	Area1-Base2-13 (Dupe)	11/26/13	13	144.47	23.8 U	59.6 U	0.0217 U	0.0217 U	0.0217 U	0.0217 U	0.0217 U	0.0325 U	0.0217 U

Notes:

- 1) mg/kg = milligrams per kilogram or parts per million
- 2) U = not detected at or above the method reporting limit (MRL) shown
- 3) J = estimated value
- 4) ft bgs = feet below ground surface
- 5) ft amsl = feet above mean sea level, using a surveyed surface elevation of the original boring
- 6) Volatile Organic Compound (VOC) analysis by USEPA Method 8260
- 7) Diesel and Heavy Oil analysis by Ecology Method NWTPH-Dx/Dx extended
- 8) Concentrations exceeding the MRL are shown in **bold**

Table 4
Summary of Soil Analytical Results - Area 2
Former Pace National Property
500 7th Avenue South, Kirkland, WA

Area ID	Sample ID	Sample Date	Surface Elevation (ft amsl)	Depth (ft bgs)	Estimated Elevation (ft amsl)	Gasoline (mg/kg)	Diesel (Fuel Oil) (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Isopropylbenzene (mg/kg)	n-Propylbenzene (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	sec-Butylbenzene (mg/kg)	4-Isopropyltoluene (mg/kg)	n-Butylbenzene (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	Naphthalene (mg/kg)	
Area 2	Area-2-NSW1-15	12/02/13	168.27	15	153.27	6.09 U	26.8 U	0.0243 U	0.0365 U	0.0243 U	0.0974 U	0.0243 U	0.0243 U	0.0243 U	0.0243 U	0.0243 U	0.0243 U	0.0365 U	
	Area-2-ESW1-15	12/02/13		15	153.27	5.46 U	24.9 U	0.0219 U	0.0328 U	0.0219 U	0.0874 U	0.0219 U	0.0219 U	0.0219 U	0.0219 U	0.0219 U	0.0219 U	0.0219 U	0.0328 U
	Area-2-SSW1-15	12/02/13		15	153.27	5.69 U	26.1 U	0.0227 U	0.0341 U	0.0227 U	0.0910 U	0.0227 U	0.0227 U	0.0227 U	0.0227 U	0.0227 U	0.0227 U	0.0227 U	0.0341 U
	Area-2-WSW1-15	12/02/13		15	153.27	5.89 U	22.4 U	0.0236 U	0.0353 U	0.0236 U	0.0942 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0353 U
	Area-2-SWSW1-15	12/02/13		15	153.27	4.60 U	23.3 U	0.0184 U	0.0276 U	0.0184 U	0.0736 U	0.0184 U	0.0184 U	0.0184 U	0.0184 U	0.0184 U	0.0184 U	0.0184 U	0.0276 U
	Area-2-SESW1-15	12/02/13		15	153.27	5.38 U	23.1 U	0.0215 U	0.0323 U	0.0215 U	0.0861 U	0.0215 U	0.0215 U	0.0215 U	0.0215 U	0.0215 U	0.0215 U	0.0215 U	0.0323 U
	Area-2-Base1-18	12/02/13		18	150.27	5.12 U	24.0 U	0.0205 U	0.0307 U	0.0205 U	0.0820 U	0.0205 U	0.0205 U	0.0205 U	0.0205 U	0.0205 U	0.0205 U	0.0205 U	0.0307 U
	Area-2-Base2-18	12/02/13		18	150.27	4.84 U	25.2 U	0.0194 U	0.0290 U	0.0194 U	0.0775 U	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0.0290 U
	Area-2-Base3-18	12/02/13		18	150.27	5.09 U	23.8 U	0.0204 U	0.0305 U	0.0204 U	0.0814 U	0.0204 U	0.0204 U	0.0204 U	0.0204 U	0.0204 U	0.0204 U	0.0204 U	0.0305 U
	Area-2-Base4-18	12/02/13		18	150.27	5.28 U	23.6 U	0.0211 U	0.0317 U	0.0211 U	0.0846 U	0.0211 U	0.0211 U	0.0211 U	0.0211 U	0.0211 U	0.0211 U	0.0211 U	0.0317 U
Area-2-Base5-18 (Dupe)	12/02/13	18	150.27	5.59 U	23.7 U	0.0224 U	0.0336 U	0.0224 U	0.0895 U	0.0224 U	0.0224 U	0.0224 U	0.0224 U	0.0224 U	0.0224 U	0.0224 U	0.0336 U		

- Notes:
- 1) mg/kg = milligrams per kilogram or parts per million
 - 2) U = not detected at or above the method reporting limit (MRL) shown
 - 3) ft bgs = feet below ground surface
 - 4) ft amsl = feet above mean sea level, using a surveyed surface elevation of the original boring
 - 5) Gasoline analysis by Ecology Method NWTPH-Gx.
 - 6) Diesel analysis by Ecology Method NWTPH-Dx.
 - 7) Volatile Organic Compound (VOC) analysis by USEPA Method 8260 (previously detected VOCs shown here, see laboratory report for the complete list).

**Table 5
Summary of Soil Analytical Results - Area 3
Former Pace National Property
500 7th Avenue South, Kirkland, WA**

Area ID	Sample ID	Sample Date	Surface Elevation (ft amsl)	Depth (ft bgs)	Estimated Elevation (ft amsl)	Gasoline (mg/kg)	Diesel (Fuel Oil) (mg/kg)	Heavy Oil (mg/kg)	Cis-1,2-dichloroethene (mg/kg)	Isopropylbenzene (mg/kg)	n-Propylbenzene (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	tert-Butylbenzene (mg/kg)	sec-Butylbenzene (mg/kg)	4-Isopropyltoluene (mg/kg)	
Final Confirmation Sample Analytical Results																
Area 3	Area3-NSW1-10	11/20/13	168.47	10	158.47	NA	NA	NA	0.0216 U	NA	NA	NA	NA	NA	NA	
	Area3-SSW1-10	11/20/13		10	158.47	NA	NA	NA	0.0208 U	NA	NA	NA	NA	NA	NA	NA
	Area3-WSW1-10	11/20/13		10	158.47	NA	NA	NA	0.0215 U	NA	NA	NA	NA	NA	NA	NA
	Area3-Base1-11	11/20/13		11	157.47	NA	NA	NA	0.0226 U	NA	NA	NA	NA	NA	NA	NA
	Area3-Base2-11 (Dupe)	11/20/13		11	157.47	NA	NA	NA	0.0262 U	NA	NA	NA	NA	NA	NA	NA
	Area3-NSW1-8	11/22/13		8	160.47	5.70 U	NA	NA	0.0228 U	0.0911 U	0.0228 U	0.0228 U	0.0228 U	0.0228 U	0.0228 U	0.0228 U
	Area3-WSW1-8	11/22/13		8	160.47	6.45 U	NA	NA	0.0258 U	0.103 U	0.0258 U	0.0258 U	0.0258 U	0.0258 U	0.0258 U	0.0258 U
	Area3-SESW-8	01/28/14		8	160.47	4.88 U	22.2 U	55.5 U	0.0195 U	0.0781 U	0.0195 U	0.0195 U	0.0195 U	0.0195 U	0.0195 U	0.0195 U
	Area3-Base01-10	01/28/14		10	158.47	4.99 U	22.2 U	55.5 U	0.0199 U	0.0798 U	0.0199 U	0.0199 U	0.0199 U	0.0199 U	0.0199 U	0.0199 U
	Area3-ESW-8	01/28/14		8	160.47	5.01 U	24.0 U	59.9 U	0.0200 U	0.0801 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
	Area3-NSW-8	01/28/14		8	160.47	5.07 U	24.1 U	60.1 U	0.0203 U	0.0811 U	0.0203 U	0.0203 U	0.0203 U	0.0203 U	0.0203 U	0.0203 U
	Area3-NESW-8	01/28/14		8	160.47	5.21 U	25.2 U	62.9 U	0.0208 U	0.0833 U	0.0208 U	0.0208 U	0.0208 U	0.0208 U	0.0208 U	0.0208 U
	Area3-Base2-10	01/28/14		10	158.47	4.36 U	22.2 U	55.4 U	0.0175 U	0.0698 U	0.0175 U	0.0175 U	0.0175 U	0.0175 U	0.0175 U	0.0175 U
	Area3-Base3-10 (Dupe)	01/28/14		10	158.47	4.50 U	22.7 U	56.8 U	0.0180 U	0.0720 U	0.0180 U	0.0180 U	0.0180 U	0.0180 U	0.0180 U	0.0180 U
	Area3-SSW-8	01/30/14		8	160.47	5.07 U	24.1 U	60.3 U	0.0203 U	0.0812 U	0.0203 U	0.0203 U	0.0203 U	0.0203 U	0.0203 U	0.0203 U
	Area3-Base4-14	01/30/14		14	154.47	5.25 U	23.4 U	58.5 U	0.0210 U	0.0839 U	0.0210 U	0.0210 U	0.0210 U	0.0210 U	0.0210 U	0.0210 U
Area3-Base5-14	01/30/14	14	154.47	5.74 U	22.3 U	55.8 U	0.0230 U	0.0919 U	0.0230 U	0.0230 U	0.0230 U	0.0230 U	0.0230 U	0.0230 U		
Area3-Base6-14	01/30/14	14	154.47	5.58 U	22.7 U	56.7 U	0.0223 U	0.0893 U	0.0223 U	0.0223 U	0.0223 U	0.0223 U	0.0223 U	0.0223 U		
Interim Confirmation Sample Analytical Results^a																
Area 3	Area3-ESW1-10	11/20/13		10	158.47	NA	NA	NA	0.0196 U	NA	NA	NA	NA	NA	NA	
	Area3-SSW1-8	11/20/13		8	160.47	2,150	19.0 U	47.6 U	0.0209 U	0.172	0.114	0.0660	0.0429	0.827	0.363	
	Area3-ESW1-8	11/22/13		8	160.47	5.47 U	NA	NA	0.0219 U	0.0876 U	0.0219 U	0.0219 U	0.0219 U	0.0219 U	0.0219 U	

Notes:

- 1) mg/kg = milligrams per kilogram or parts per million
- 2) U = not detected at or above the method reporting limit (MRL) shown
- 3) Concentrations exceeding the MRL are shown in **bold**
- 4) NA = Not analyzed
- 5) ft bgs = feet below ground surface
- 6) ft amsl = feet above mean sea level, using a surveyed surface elevation of the original boring
- 7) Cis-1,2-dichloroethene analysis by USEPA Method 8260
- 8) Gasoline analysis by Ecology Method NWTPH-Gx
- 9) Diesel and Heavy Oil analysis by Ecology Method NWTPH-Dx/Dx extended
- 10) ^a = interim samples were over-excavated due to contaminant detections above the MRL or to facilitate removal of the underground storage tank and surrounding soils
- 11) Samples collected on 11/22/13, 01/28/14, and 01/30/14 were analyzed for the full Volatile Organic Compound (VOC) list; detected analytes shown here; remaining results were below the MRLs; see laboratory reports for the complete list

Table 6
Summary of Soil Analytical Results - Area 4
Former Pace National Property
500 7th Avenue South, Kirkland, WA

Area ID	Sample ID	Sample Date	Surface Elevation (ft amsl)	Depth (ft bgs)	Estimated Elevation (ft amsl)	Xylenes (mg/kg)
Area 4	Area4-NSW1-2	11/18/13	159.74	2	157.74	0.0263 U
	Area4-ESW1-2	11/18/13		2	157.74	0.0229 U
	Area4-SSW1-2	11/18/13		2	157.74	0.0209 U
	Area4-WSW1-2	11/18/13		2	157.74	0.0285 U
	Area4-Base1-3	11/18/13		3	156.74	0.0258 U
	Area4-Base2-3 (Dupe)	11/18/13		3	156.74	0.0249 U
<p>Notes:</p> <ol style="list-style-type: none"> 1) mg/kg = milligrams per kilogram or parts per million 2) U = not detected at or above the method reporting limit (MRL) shown 3) ft bgs = feet below ground surface 4) ft amsl = feet above mean sea level, using a surveyed surface elevation of the original boring 5) Xylenes analysis by USEPA Method 8260. 						

Table 7
Summary of Soil Analytical Results - Area 5
Former Pace National Property
500 7th Avenue South, Kirkland, WA

Area ID	Sample ID	Sample Date	Surface Elevation (ft amsl)	Depth (ft bgs)	Estimated Elevation (ft amsl)	Toluene (mg/kg)
Area 5	Area5-NSW1-1	11/18/13	160.37	1	159.37	0.0236 U
	Area5-ESW1-1	11/18/13		1	159.37	0.0230 U
	Area5-SSW1-1	11/18/13		1	159.37	0.0230 U
	Area5-WSW1-1	11/18/13		1	159.37	0.0234 U
	Area5-Base1-2	11/18/13		2	158.37	0.0222 U
	Area5-Base2-2 (Dupe)	11/18/13		2	158.37	0.0239 U
<p>Notes:</p> <ol style="list-style-type: none"> 1) mg/kg = milligrams per kilogram or parts per million 2) U = not detected at or above the method reporting limit (MRL) shown 3) ft bgs = feet below ground surface 4) ft amsl = feet above mean sea level, using a surveyed surface elevation of the original boring 5) Toluene analysis by USEPA Method 8260. 						

Table 8
Summary of Soil Analytical Results - Area 6
Former Pace National Property
500 7th Avenue South, Kirkland, WA

Area ID	Sample ID	Sample Date	Surface Elevation (ft amsl)	Depth (ft bgs)	Estimated Elevation (ft amsl)	Heavy Oil (mg/kg)
Final Confirmation Sample Analytical Results						
Area 6	Area6-NSW1-.5	11/18/13	154.87	0.5	154.37	57.5 U
	Area6-ESW1-.5	11/18/13		0.5	154.37	58.1 U
	Area6-SSW1-.5	11/18/13		0.5	154.37	70.7 U
	Area6-WSW2-.5	11/21/13		0.5	154.37	61.9 U
	Area6-Base3-4	11/21/13		4.0	150.87	55.7 U
Interim Confirmation Sample Analytical Results^a						
Area 6	Area6-WSW1-.5	11/18/13	154.87	0.5	154.37	104
	Area6-Base1-1.5	11/18/13		1.5	153.37	64.7
	Area6-Base2-1.5 (dupe)	11/18/13		1.5	153.37	127
Notes: 1) mg/kg = milligrams per kilogram or parts per million 2) U = not detected at or above the method reporting limit (MRL) shown 3) Concentrations exceeding the MRL are shown in bold 4) ft bgs = feet below ground surface 5) ft amsl = feet above mean sea level, using a surveyed surface elevation of the original boring 6) Heavy Oil analysis by Ecology Method NWTPH-Dx/Dx extended. 7) ^a = interim samples were over-excavated due to contaminant detections above the MRL.						

**Table 9
Summary of Soil Analytical Results - Area 7
Former Pace National Property
500 7th Avenue South, Kirkland, WA**

Area ID	Sample ID	Sample Date	Surface Elevation (ft amsl)	Depth (ft bgs)	Estimated Elevation (ft amsl)	Gasoline (mg/kg)	Diesel (Fuel Oil) (mg/kg)	Heavy Oil (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Isopropylbenzene (mg/kg)	n-Propylbenzene (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	sec-Butylbenzene (mg/kg)	4-Isopropyltoluene (mg/kg)	n-Butylbenzene (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	Naphthalene (mg/kg)	
Final Confirmation Sample Analytical Results																				
Area 7	Area7-NSW1-6	11/22/13	160.80	6	154.80	6.04 U	22.4 U	55.9 U	0.0241 U	0.0362 U	0.0241 U	0.0966 U	0.0241 U	0.0241 U	0.0241 U	0.0241 U	0.0241 U	0.0241 U	0.0362 U	
	Area7-ESW1-6	11/22/13		6	154.80	5.78 U	24.7 U	61.6 U	0.0231 U	0.0347 U	0.0231 U	0.0925 U	0.0231 U	0.0231 U	0.0231 U	0.0231 U	0.0231 U	0.0231 U	0.0347 U	
	Area7-SSW1-6	11/22/13		6	154.80	5.66 U	20.8 U	52.1 U	0.0226 U	0.0340 U	0.0226 U	0.0906 U	0.0226 U	0.0226 U	0.0226 U	0.0226 U	0.0226 U	0.0226 U	0.0340 U	
	Area-7-WSW2-6	12/02/13		6	154.80	6.27 U	25.5 U		0.0251 U	0.0376 U	0.0251 U	0.100 U	0.0251 U	0.0251 U	0.0251 U	0.0251 U	0.0251 U	0.0251 U	0.0376 U	
	Area7-Base1-7	11/22/13		7	153.80	5.39 U	19.4 U	48.4 U	0.0216 U	0.0324 U	0.0216 U	0.0863 U	0.0216 U	0.0216 U	0.0216 U	0.0216 U	0.0216 U	0.0216 U	0.0216 U	0.0324 U
	Area7-Base2-7 (Dupe)	11/22/13		7	153.80	5.00 U	19.4 U	48.4 U	0.0200 U	0.0300 U	0.0200 U	0.0800 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0300 U
Interim Confirmation Sample Analytical Results^a																				
Area 7	Area7-WSW1-6	11/22/13		6	154.80	5.62 U	25.9	57.8 U	0.0225 U	0.0337 U	0.0225 U	0.0899 U	0.0225 U	0.0225 U	0.0225 U	0.0225 U	0.0225 U	0.0225 U	0.0337 U	
Notes: 1) mg/kg = milligrams per kilogram or parts per million 2) U = not detected at or above the method reporting limit (MRL) shown 3) Concentrations exceeding the MRL are shown in bold 4) ft bgs = feet below ground surface 5) ft amsl = feet above mean sea level, using a surveyed surface elevation of the original boring 6) Gasoline analysis by Ecology Method NWTPH-Gx. 7) Diesel and Heavy Oil analysis by Ecology Method NWTPH-Dx/Dx extended. 8) Volatile Organic Compound (VOC) analysis by USEPA Method 8260 (previously detected VOCs shown here, see laboratory report for the complete list). 9) a = interim samples were over-excavated due to contaminant detections above the MRL.																				

Table 10
Summary of Soil Analytical Results - Area 8
Former Pace National Property
500 7th Avenue South, Kirkland, WA

Area ID	Sample ID	Sample Date	Surface Elevation (ft amsl)	Depth (ft bgs)	Estimated Elevation (ft amsl)	alpha-Chlordane (mg/kg)	gamma-Chlordane (mg/kg)	Diesel (Fuel Oil) (mg/kg)	Heavy Oil (mg/kg)
Area 8	Area8-NSW1-1.5	11/19/13	164.47	1.5	162.97	0.00912 U	0.00912 U	21.1 U	52.6 U
	Area8-ESW1-1.5	11/19/13		1.5	162.97	0.00916 U	0.00916 U	20.4 U	51.0 U
	Area8-SSW1-1.5	11/19/13		1.5	162.97	0.00973 U	0.00973 U	20.5 U	51.3 U
	Area8-WSW1-1.5	11/19/13		1.5	162.97	0.00923 U	0.00923 U	20.8 U	52.0 U
	Area8-Base1-2.5	11/19/13		2.5	161.97	0.00939 U	0.00939 U	19.7 U	49.2 U
	Area8-Base2-2.5 (Dupe)	11/19/13		2.5	161.97	0.00897 U	0.00897 U	20.3 U	50.7 U

Notes:

- 1) mg/kg = milligrams per kilogram or parts per million
- 2) U = not detected at or above the method reporting limit (MRL) shown
- 3) ft bgs = feet below ground surface
- 4) ft amsl = feet above mean sea level, using a surveyed surface elevation of the original boring
- 5) Chlordane analysis by USEPA Method 8081.
- 6) Diesel and Heavy Oil analysis by Ecology Method NWTPH-Dx/Dx extended.

Table 11
Summary of Soil Analytical Results - Area 9
Former Pace National Property
500 7th Avenue South, Kirkland, WA

Area ID	Sample ID	Sample Date	Estimated Elevation (ft amsl)	Diesel (Fuel Oil) (mg/kg)	Heavy Oil (mg/kg)	Naphthalene (mg/kg)	Toluene (mg/kg)	Vinyl Chloride (mg/kg)
Area 9	Area9-NSW1-135	01/02/14	135	24.8 U	62.1 U	0.0433 U	0.0288 U	0.00288 U
	Area9-NSW2-143	01/07/14	143	23.6 U	59.1 U	0.0369 U	0.0246 U	0.00246 U
	Area9-ESW1-144	01/07/14	144	24.3 U	60.7 U	0.0357 U	0.0238 U	0.00238 U
	Area9-SSW1-144	01/07/14	144	24.4 U	60.9 U	0.0371 U	0.0247 U	0.00247 U
	Area9-SSW2-143	01/07/14	143	21.9 U	54.8 U	0.0304 U	0.0203 U	0.00203 U
	Area 9-WSW1-132	12/16/13	132	24.4 U	60.9 U	0.0316 U	0.0211 U	0.00211 U
	Area 9-WSW2-134	12/16/13	134	24.7 U	61.7 U	0.0345 U	0.2300 U	0.00230 U
	Area 9-WSW3-134	12/16/13	134	23.5 U	58.9 U	0.0311 U	0.0207 U	0.00207 U
	Area 9-WSW4-140	12/17/13	140	25.5 U	63.7 U	0.0381 U	0.0254 U	0.00254 U
	Area9-Base1-133	12/30/13	133	22.4 U	56.1 U	0.0325 U	0.0217 U	0.00217 U
	Area9-Base2-135	12/30/13	135	24.0 U	59.9 U	0.0358 U	0.0239 U	0.00239 U
	Area9-Base3-135	12/30/13	135	24.3 U	60.9 U	0.0389 U	0.0259 U	0.00259 U
	Area9-Base4-135	12/30/13	135	23.4 U	58.5 U	0.0349 U	0.0232 U	0.00232 U
	Area9-Base5-136	12/30/13	136	23.4 U	58.6 U	0.0348 U	0.0232 U	0.00232 U
	Area9-Base6-138	12/30/13	138	23.8 U	59.5 U	0.0364 U	0.0243 U	0.00243 U
	Area9-Base7-138	12/30/13	138	22.4 U	56.1 U	0.0390 U	0.0260 U	0.00260 U
	Area9-Base8-138	12/30/13	138	22.4 U	56.1 U	0.0280 U	0.0186 U	0.00186 U
	Area9-Base9-138 (Dupe)	12/30/13	138	22.6 U	56.4 U	0.0336 U	0.0224 U	0.00224 U
	Area9-Base10-134	01/02/14	134	24.2 U	60.5 U	0.0584	0.0236 U	0.00236 U
	Area9-Base11-134	01/02/14	134	24.0 U	59.9 U	0.0364 U	0.0243 U	0.00243 U
Area9-Base12-134	01/02/14	134	24.3 U	60.7 U	0.0365 U	0.0243 U	0.00243 U	
Area9-Base13-136	01/06/14	136	22.7 U	56.7 U	0.0338 U	0.0225 U	0.00225 U	
Area9-Base14-136 (dupe)	01/06/14	136	23.5 U	58.7 U	0.0358 U	0.0239 U	0.00239 U	

Table 11
Summary of Soil Analytical Results - Area 9
Former Pace National Property
500 7th Avenue South, Kirkland, WA

Area ID	Sample ID	Sample Date	Estimated Elevation (ft amsl)	Diesel (Fuel Oil) (mg/kg)	Heavy Oil (mg/kg)	Naphthalene (mg/kg)	Toluene (mg/kg)	Vinyl Chloride (mg/kg)
Area 9 continued	Area9-Base15-137	01/06/14	137	19.2 U	48.0 U	0.0286 U	0.0191 U	0.00191 U
	Area9-Base16-138	01/06/14	138	22.8 U	56.9 U	0.0317 U	0.0211 U	0.00211 U
	Area9-Base17-137	01/06/14	137	24.4 U	61.0 U	0.0382 U	0.0255 U	0.00255 U
	Area9-Base18-137	01/06/14	137	23.1 U	57.7 U	0.0348 U	0.0232 U	0.00232 U
	Area9-Base19-137	01/06/14	137	22.9 U	57.3 U	0.0305 U	0.0203 U	0.00203 U
	Area9-Base20-137	01/06/14	137	23.7 U	59.3 U	0.0317 U	0.0212 U	0.00212 U
	Area9-Base21-137	01/06/14	137	24.2 U	60.4 U	0.0359 U	0.0239 U	0.00239 U
	Area9-Base22-138	01/06/14	138	22.6 U	56.5 U	0.0327 U	0.0218 U	0.00218 U
	Area9-Base23-140	01/07/14	140	24.8 U	62.1 U	0.0405 U	0.0270 U	0.00270 U
	Area9-Base24-140 (dupe)	01/07/14	140	24.2 U	60.4 U	0.0355 U	0.0237 U	0.00237 U
	Area9-Base25-141	01/07/14	141	23.1 U	57.9 U	0.0303 U	0.0202 U	0.00202 U
	Area9-Base26-142	01/07/14	142	23.8 U	59.6 U	0.0393 U	0.0262 U	0.00262 U
	Area9-Base27-142	01/07/14	142	24.3 U	60.9 U	0.0375 U	0.0250 U	0.00250 U
	Area9-Base28-141	01/07/14	141	22.6 U	56.5 U	0.0315 U	0.0210 U	0.00210 U
	Area9-Base29-142	01/07/14	142	22.8 U	57.0 U	0.0309 U	0.0206 U	0.00206 U
Area9-Base30-142 (dupe)	01/07/14	142	23.4 U	58.6 U	0.0324 U	0.0216 U	0.00216 U	
Area9-Base31-142	01/07/14	142	23.8 U	59.6 U	0.0368 U	0.0245 U	0.00245 U	

Notes:

- 1) mg/kg = milligrams per kilogram or parts per million
- 2) U = not detected at or above the method reporting limit (MRL) shown
- 3) ft amsl = feet above mean sea level
- 4) Naphthalene, Toluene, and Vinyl Chloride analysis by USEPA Method 8260.
- 5) Diesel and Heavy Oil analysis by Ecology Method NWTPH-Dx/Dx extended.
- 6) Concentrations exceeding the MRL are shown in **bold**

Table 12
Summary of Soil Analytical Results - Area 10
Former Pace National Property
500 7th Avenue South, Kirkland, WA

Area ID	Sample ID	Sample Date	Surface Elevation (ft amsl)	Depth (ft bgs)	Estimated Elevation (ft amsl)	Gasoline (mg/kg)	Diesel (Fuel Oil) (mg/kg)	Heavy Oil (mg/kg)	Naphthalene (mg/kg)
Area 10	Area10-NSW1-5	11/20/13	156.87	5	151.87	NA	NA	NA	0.0304 U
	Area10-ESW1-5	11/20/13		5	151.87	5.26 U	20.0 U	50.1 U	0.0315 U
	Area10-SSW1-5	11/20/13		5	151.87	NA	NA	NA	0.0387 U
	Area10-Base1-6	11/20/13		6	150.87	NA	NA	NA	0.0368 U
	Area10-Base2-6 (Dupe)	11/20/13		6	150.87	NA	NA	NA	0.0390 U

Notes:

- 1) mg/kg = milligrams per kilogram or parts per million
- 2) U = not detected at or above the method reporting limit (MRL) shown
- 3) NA = Not analyzed
- 4) ft bgs = feet below ground surface
- 5) ft amsl = feet above mean sea level, using a surveyed surface elevation of the original boring
- 6) Naphthalene analysis by USEPA Method 8260; sample Area10-ESW1-5 analyzed for full-list and all results were below MRLs; see laboratory report
- 7) Gasoline analysis by Ecology Method NWTPH-Gx
- 8) Diesel and Heavy Oil analysis by Ecology Method NWTPH-Dx/Dx extended

Table 13
Summary of Soil Analytical Results - Area 11
Former Pace National Property
500 7th Avenue South, Kirkland, WA

Area ID	Sample ID	Sample Date	Surface Elevation (ft amsl)	Depth (ft bgs)	Estimated Elevation (ft amsl)	Diesel (Fuel Oil) (mg/kg)	Heavy Oil (mg/kg)	Naphthalene (mg/kg)	Toluene (mg/kg)
Area 11	Area11-NSW1-3	11/19/13	150.33	3	147.33	NA	NA	0.0301 U	NA
	Area11-ESW1-3	11/19/13		3	147.33	NA	NA	0.0325 U	NA
	Area11-SSW1-3	11/19/13		3	147.33	NA	NA	0.0302 U	NA
	Area11-WSW1-3	11/19/13		3	147.33	NA	NA	0.0301 U	NA
	Area11-Base1-4	11/19/13		4	146.33	NA	NA	0.0321 U	NA
	Area11-Base2-4 (Dupe)	11/19/13		4	146.33	NA	NA	0.0319 U	NA
	Area11-NSW1-8	11/19/13		8	142.33	21.8 U	54.4 U	NA	0.0206 U
	Area11-ESW1-8	11/19/13		8	142.33	23.1 U	57.7 U	NA	0.0256 U
	Area11-SSW1-8	11/19/13		8	142.33	24.6 U	61.5 U	NA	0.0213 U
	Area11-WSW1-8	11/19/13		8	142.33	20.7 U	206	NA	0.0197 U

Notes:

- 1) mg/kg = milligrams per kilogram or parts per million
- 2) U = not detected at or above the method reporting limit (MRL) shown
- 3) NA = Not analyzed
- 4) ft bgs = feet below ground surface
- 5) ft amsl = feet above mean sea level, using a surveyed surface elevation of the original boring
- 6) Naphthalene and Toluene analysis by USEPA Method 8260
- 7) Diesel and Heavy Oil analysis by Ecology Method NWTPH-Dx/Dx extended
- 8) Concentrations exceeding the MRL are shown in **bold**

APPENDIX A

WELL DECOMMISSIONING LOGS

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. AE23980

Construction/Decommission

Construction
 Decommission *ORIGINAL INSTALLATION* Notice
of Intent Number _____

Type of Well

Resource Protection
 Geotechnical Soil Boring

Consulting Firm PES Environmental

Property Owner Pace Chemical
Site Address 500 7th Ave S
City Kirkland County King

Unique Ecology Well ID _____
Tag No. AKS-411

Location 1/4 SE SE NW Sec 8 TWN 25N R 5E or _____
WWM _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Lat/Long (s,t,r Lat Deg n/a Lat Min/Sec n/a
still Required) Long Deg n/a Long Min/Sec n/a

Materials used and the information reported above are true to my best knowledge and belief

Driller Trainee Name (Print) James Goble
Driller/Trainee Signature _____
Driller/Trainee License No. 3131

Tax Parcel No. _____

Cased or Uncased Diameter 2" well Static Level 4'

Work/Decommission Start Date 10-7-13

If trainee, licesned drillers' _____
Signature and License No. _____

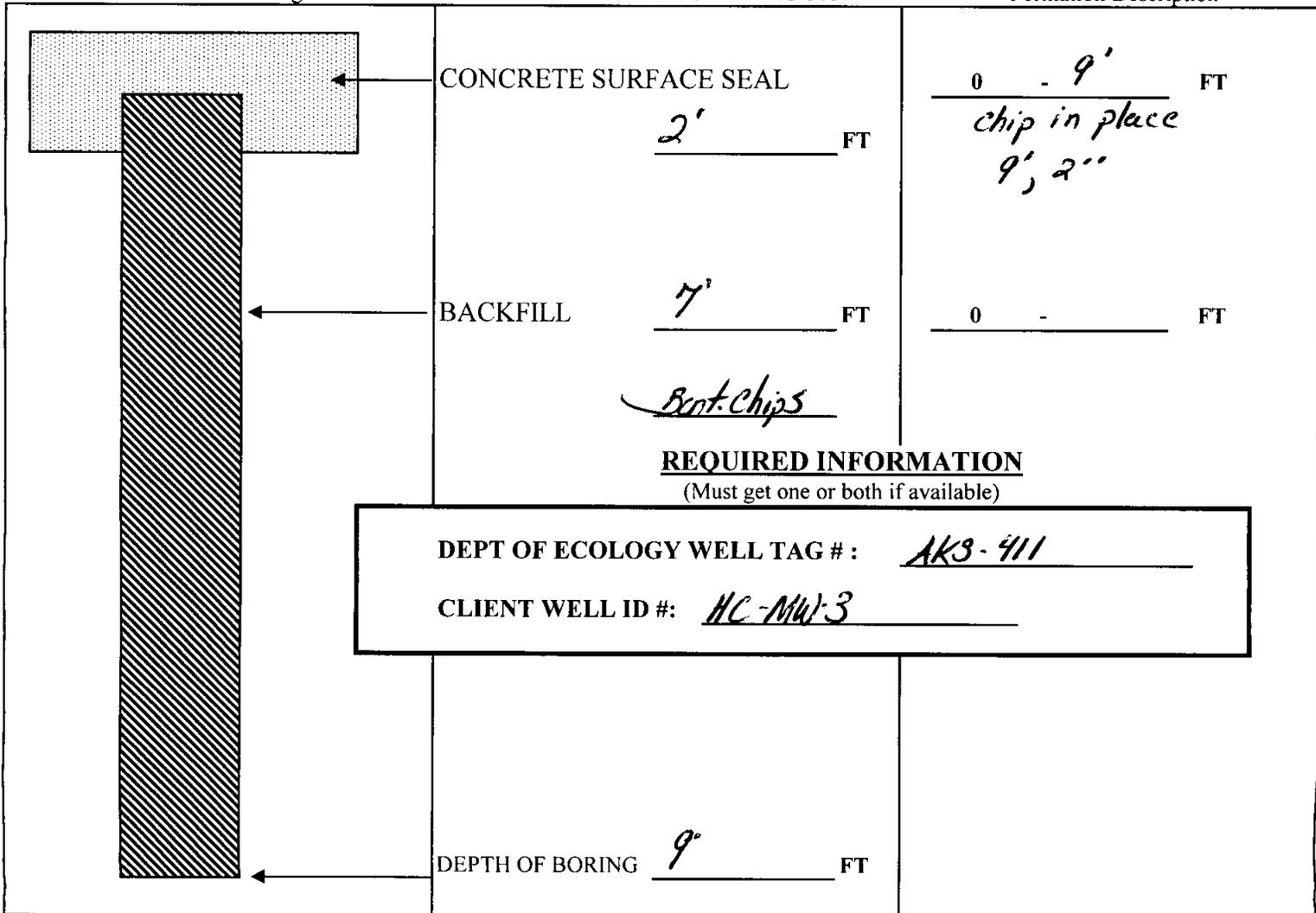
Work/Decommission Completed Date 10-7-13

Construction/Design

Well Data

W3-575

Formation Description



REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: AKS-411

CLIENT WELL ID #: HC-MW-3

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. AE23980

Construction/Decommission

Construction
 Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

Resource Protection
 Geotechnical Soil Boring

Consulting Firm PES Environmental

Property Owner Pace Chemical
 Site Address 500 7th Ave S
 City Kirkland County King

Unique Ecology Well ID _____
 Tag No. _____

Location 1/4 SE SE NW Sec 8 TWN 25N R 5E or _____ WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Lat/Long (s,t,r Lat Deg n/a Lat Min/Sec n/a
 still Required) Long Deg n/a Long Min/Sec n/a

Materials used and the information reported above are true to my best knowledge and belief

Driller Trainee Name (Print) James Goble
 Driller/Trainee Signature _____
 Driller/Trainee License No. 3131

Tax Parcel No. _____

Cased or Uncased Diameter 2" well Static Level 6'

Work/Decommission Start Date 7-10-13

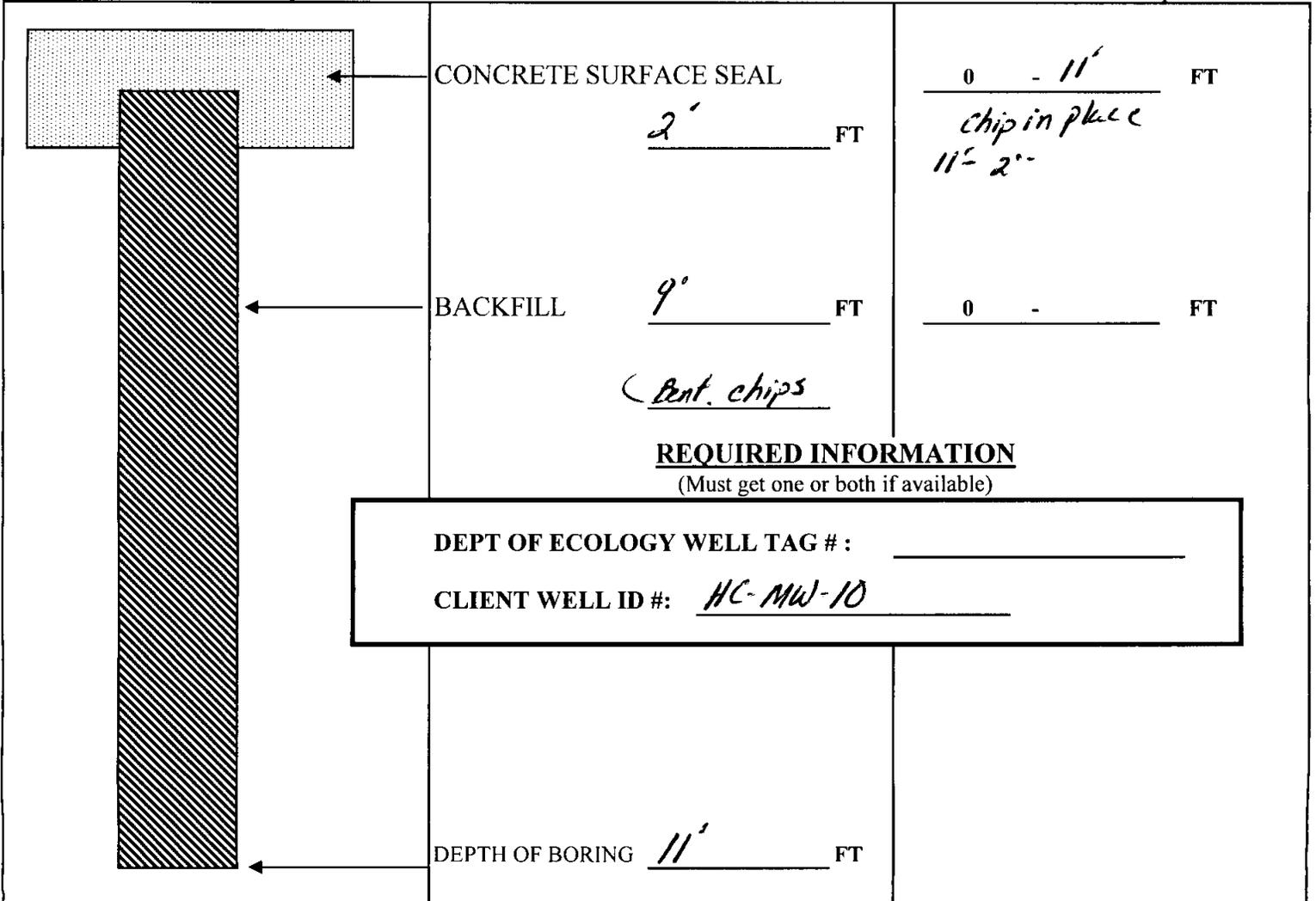
If trainee, licesned drillers' Signature and License No. _____

Work/Decommission Completed Date 7-10-13

Construction/Design

Well Data W3-575

Formation Description



REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: _____

CLIENT WELL ID #: HC-MW-10

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. AE23980

Construction/Decommission

Construction
 Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

Resource Protection
 Geotechnical Soil Boring

Consulting Firm PES Environmental

Property Owner Pace Chemical
 Site Address 500 7th Ave S
 City Kirkland County King

Unique Ecology Well ID _____
 Tag No. _____

Location 1/4 SE SE NW Sec 8 TWN 25N R 5E or _____
 WWM _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Lat/Long (s,t,r still Required) Lat Deg n/a Lat Min/Sec n/a
 Long Deg n/a Long Min/Sec n/a

Materials used and the information reported above are true to my best knowledge and belief

Driller Trainee Name (Print) James Goble
 Driller/Trainee Signature _____
 Driller/Trainee License No. 3131

Tax Parcel No. _____

Cased or Uncased Diameter 2" x 11 Static Level 6

Work/Decommission Start Date 7-10-13

If trainee, licesned drillers' _____
 Signature and License No. _____

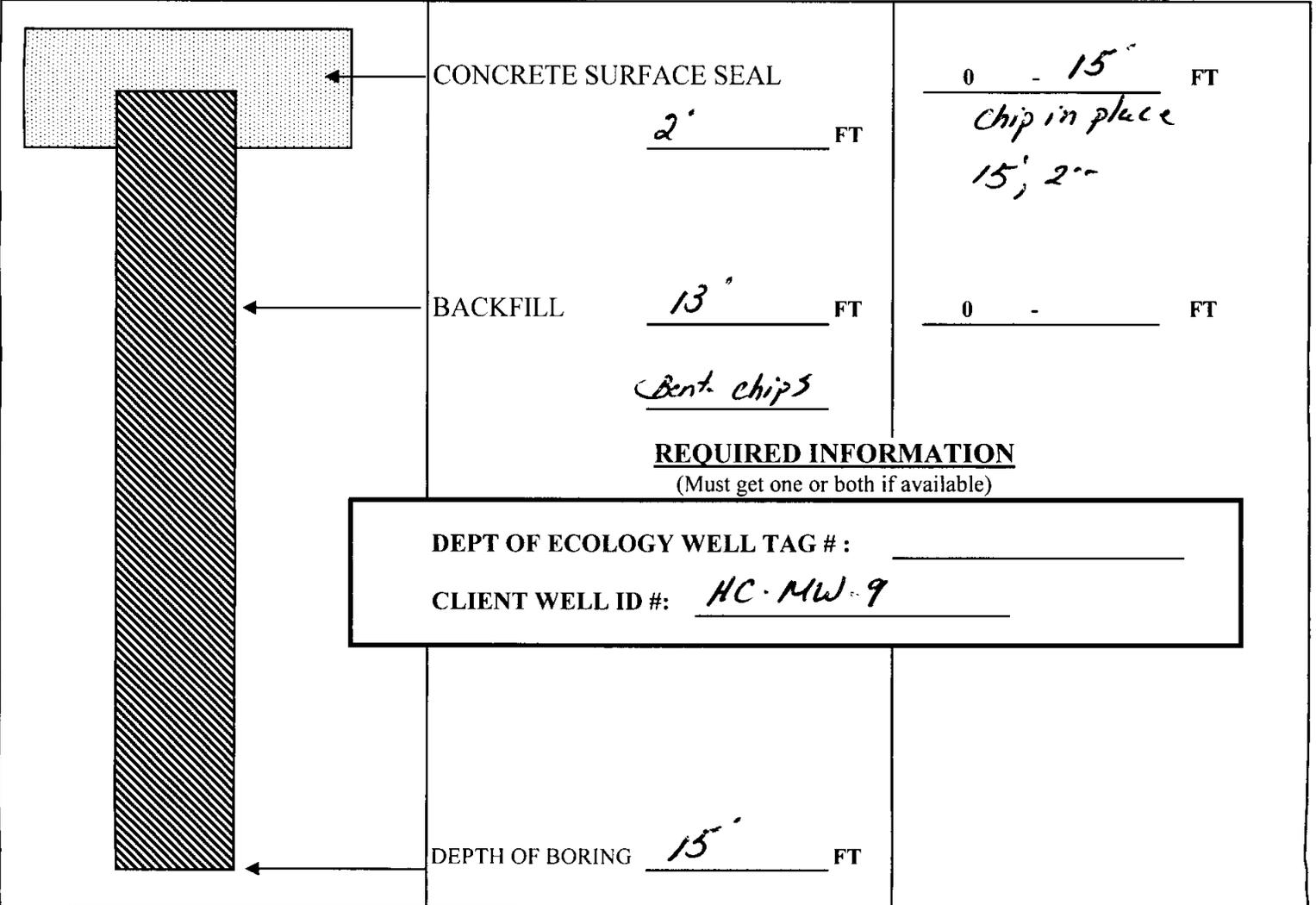
Work/Decommission Completed Date 7-10-13

Construction/Design

Well Data

W3-575

Formation Description



REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: _____
 CLIENT WELL ID #: HC-MW-9

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No.

AE 23980

Construction/Decommission

Construction

Decommission ORIGINAL INSTALLATION Notice
of Intent Number _____

Type of Well

Resource Protection

Geotechnical Soil Boring

Consulting Firm PES. Environmental

Property Owner Pase Chemical

Site Address 500 7th Ave S

City Kirkland County King

Unique Ecology Well ID

Tag No. AKS-409

Location 1/4 Se 1/4 NW Sec 8 Twn 25N R 5E or _____

Lat/Long (s,t,r Lat Deg _____ Lat Min/Sec _____

still Required) Long Deg _____ Long Min/Sec _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Materials used and the information reported above are true to my best knowledge and belief

Driller Trainee Name (Print)

Driller/Trainee Signature James Coble

Driller/Trainee License No. 3131

Tax Parcel No. _____

Cased or Uncased Diameter 2" well Static Level 6'

Work/Decommission Start Date 10-4-13

If trainee, licensed driller's _____

Signature and License No. _____

Work/Decommission Completed Date 10-4-13

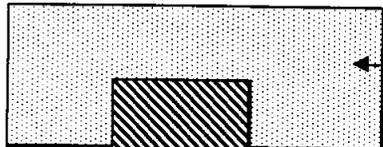
EWM

WWM

Construction/Design

Well Data

Formation Description



CONCRETE SURFACE SEAL

2' FT

0 - 15' FT

Chip in place
15' 2"

BACKFILL

13' FT

0 - FT

Bent. Chips

REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: AKS-409

CLIENT WELL ID #: HC-MW-5

DEPTH OF BORING 15' FT

Scale 1" = _____

Page _____ of _____

ECY 050-12 (Rec-v 2/01)

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. AE23980

Construction/Decommission

Construction
 Decommission *ORIGINAL INSTALLATION* Notice of Intent Number _____

Type of Well

Resource Protection
 Geotechnical Soil Boring

Consulting Firm PES Environmental

Property Owner Pace Chemical
 Site Address 500 7th Ave S
 City Kirkland County King

Unique Ecology Well ID Tag No. APL-887

Location 1/4 SE SE NW Sec 8 TWN 25N R 5E or _____ WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Lat/Long (s,t,r still Required) Lat Deg n/a Lat Min/Sec n/a
 Long Deg n/a Long Min/Sec n/a

Materials used and the information reported above are true to my best knowledge and belief

Driller Trainee Name (Print) James Goble
 Driller/Trainee Signature _____
 Driller/Trainee License No. 3131

Tax Parcel No. _____
 Cased or Uncased Diameter 3/4" Well Static Level 6'
 Work/Decommission Start Date 10-7-13

If trainee, licesned drillers' Signature and License No _____

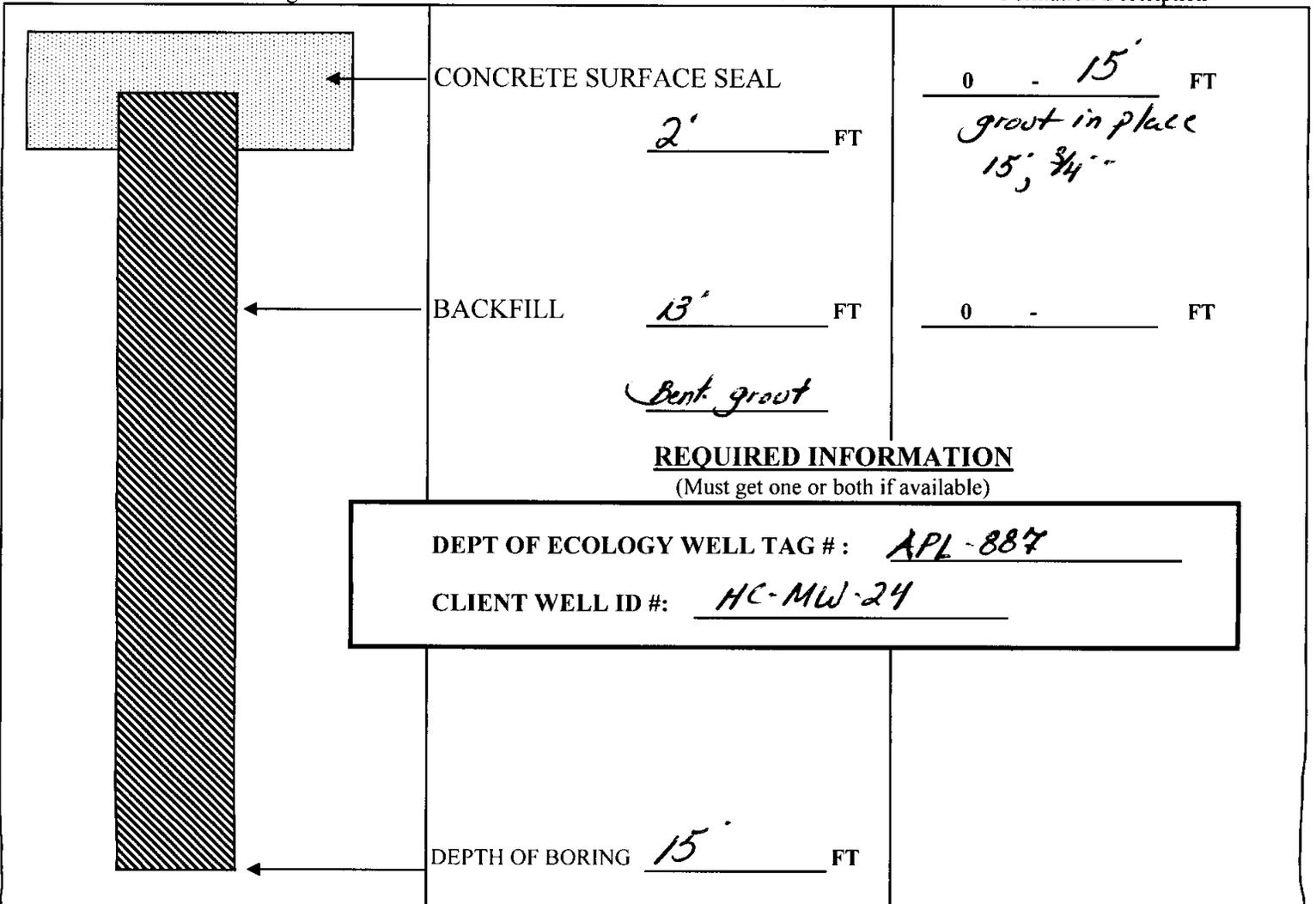
Work/Decommission Completed Date 10-7-13

Construction/Design

Well Data

W3-575

Formation Description



REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: APL-887
 CLIENT WELL ID #: HC-MW-24

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. AE23980

Construction/Decommission

Construction

Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

Resource Protection

Geotechnical Soil Boring

Consulting Firm PES Environmental

Property Owner Pace Chemical

Site Address 500 7th Ave S

City Kirkland County King

EWM

Unique Ecology Well ID

Tag No. _____

Location 1/4 SE SE NW Sec 8 TWN 25N R 5E or _____

WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Materials used and the information reported above are true to my best knowledge and belief

Driller Trainee Name (Print) James Goble

Driller/Trainee Signature _____

Driller/Trainee License No. 3131

Tax Parcel No. _____

Cased or Uncased Diameter 1" Static Level 6'

Work/Decommission Start Date 10-4-13

Work/Decommission Completed Date 10-4-13

If trainee, licensed drillers' _____

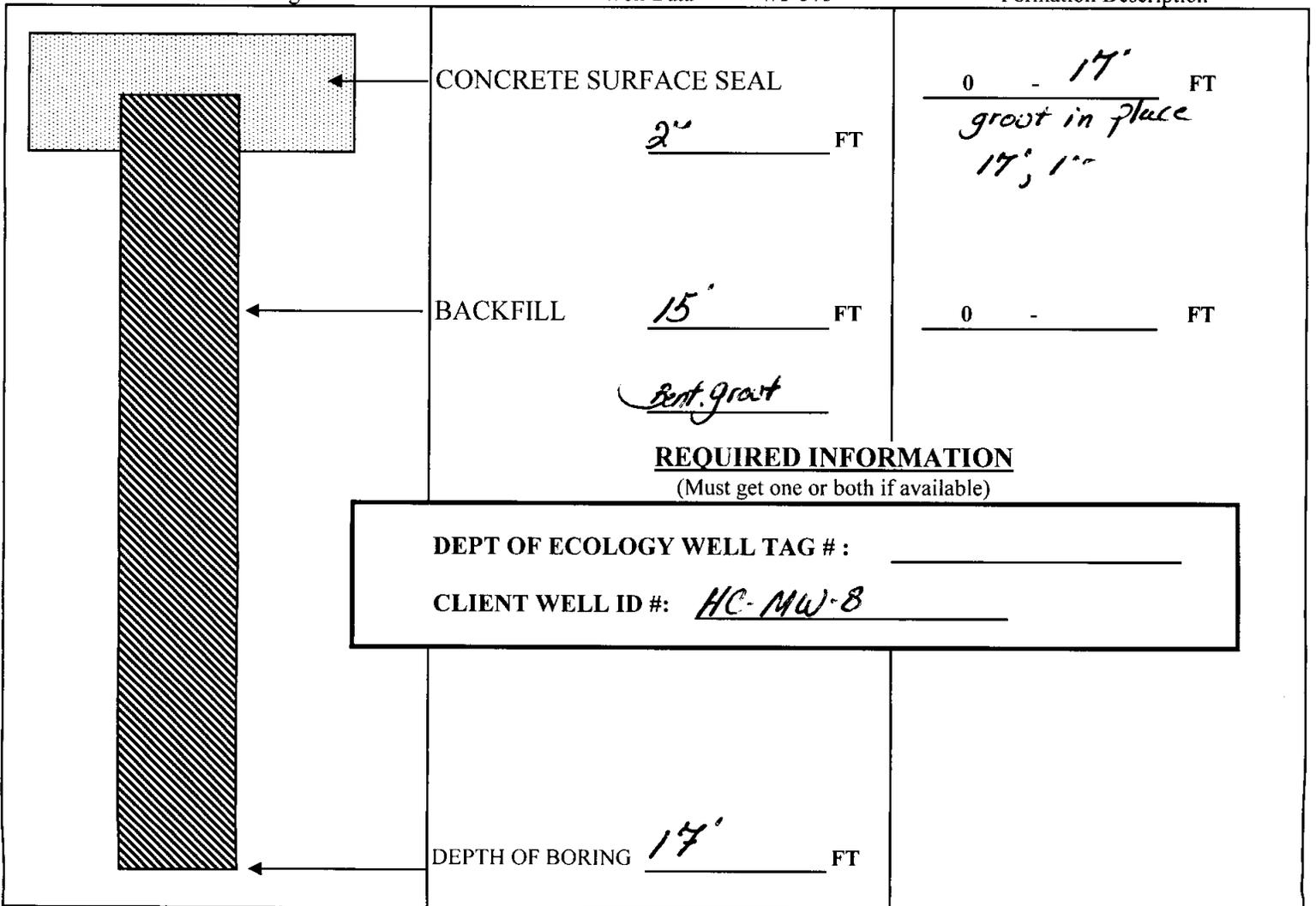
Signature and License No. _____

Construction/Design

Well Data

W3-575

Formation Description



REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: _____

CLIENT WELL ID #: HC-MW-8

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. AE23980

Construction/Decommission

Construction
 Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

Resource Protection
 Geotechnical Soil Boring

Consulting Firm PES Environmental

Property Owner Pace Chemical
 Site Address 500 7th Ave S
 City Kirkland County King

Unique Ecology Well ID _____
 Tag No. _____

Location 1/4 SE SE NW Sec 8 TWN 25N R 5E or _____
 WWM _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Lat/Long (s,t,r still Required) Lat Deg n/a Lat Min/Sec n/a
 Long Deg n/a Long Min/Sec n/a

Materials used and the information reported above are true to my best knowledge and belief

Driller Trainee Name (Print) James Goble
 Driller/Trainee Signature _____
 Driller/Trainee License No. 3131

Tax Parcel No. _____

Cased or Uncased Diameter 1" well Static Level 4"

Work/Decommission Start Date 10-7-13

If trainee, licesned drillers' Signature and License No. _____

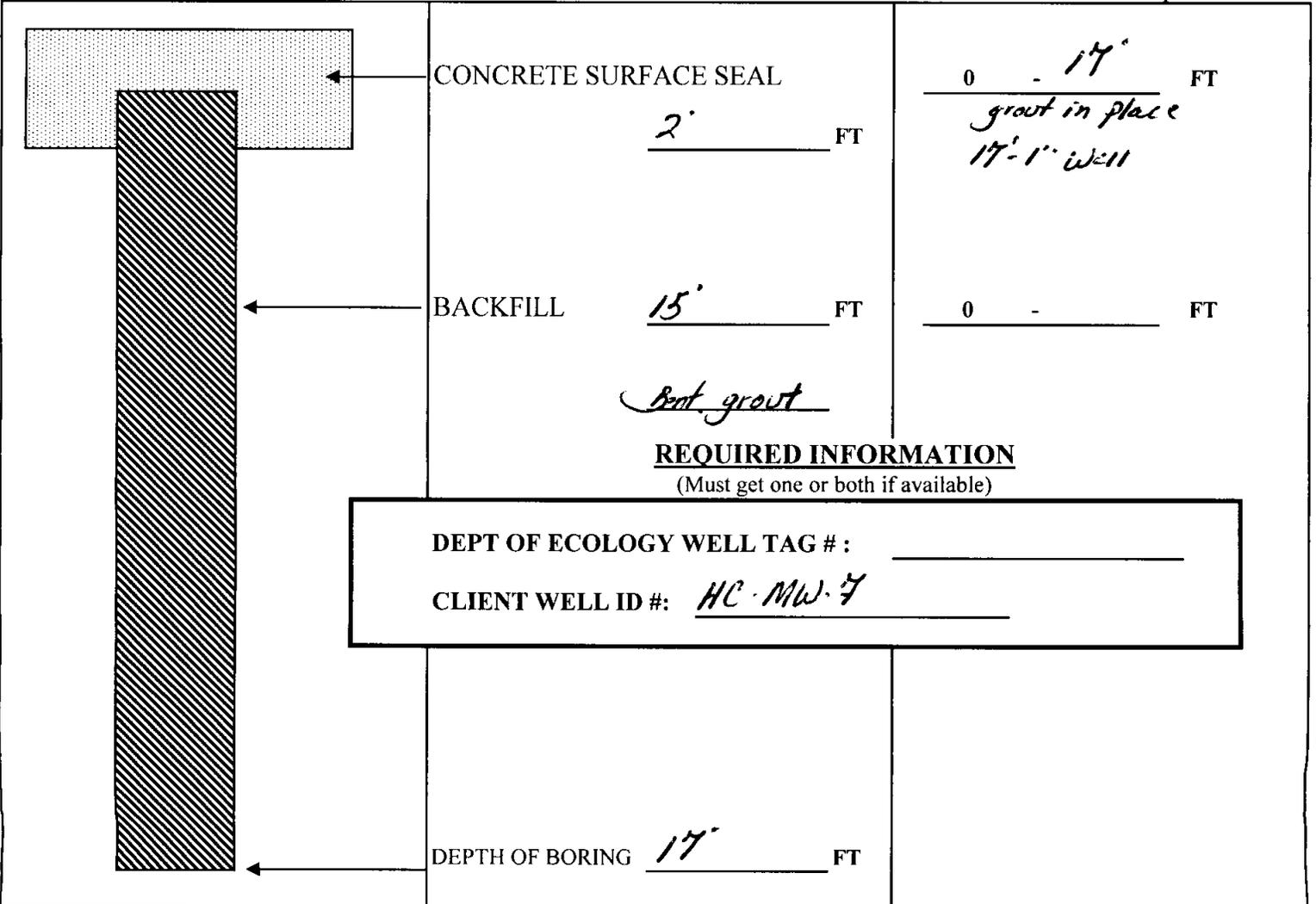
Work/Decommission Completed Date 10-7-13

Construction/Design

Well Data

W3-575

Formation Description



REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: _____
 CLIENT WELL ID #: HC-MW-7

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. AE23980

Construction/Decommission

Construction
 Decommission *ORIGINAL INSTALLATION* Notice
of Intent Number _____

Type of Well

Resource Protection
 Geotechnical Soil Boring

Consulting Firm PES Environmental

Property Owner Pace Chemical
Site Address 500 7th Ave S
City Kirkland County King

Unique Ecology Well ID _____
Tag No. ALP-407

Location 1/4 SE SE NW Sec 8 TWN 25N R 5E or _____ WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Lat/Long (s,t,r still Required) Lat Deg n/a Lat Min/Sec n/a
Long Deg n/a Long Min/Sec n/a

Materials used and the information reported above are true to my best knowledge and belief

Driller Trainee Name (Print) James Goble
Driller/Trainee Signature _____
Driller/Trainee License No. 3131

Tax Parcel No. _____

Cased or Uncased Diameter 2" well Static Level 6'

Work/Decommission Start Date 10-7-13

If trainee, licesned drillers' Signature and License No. _____

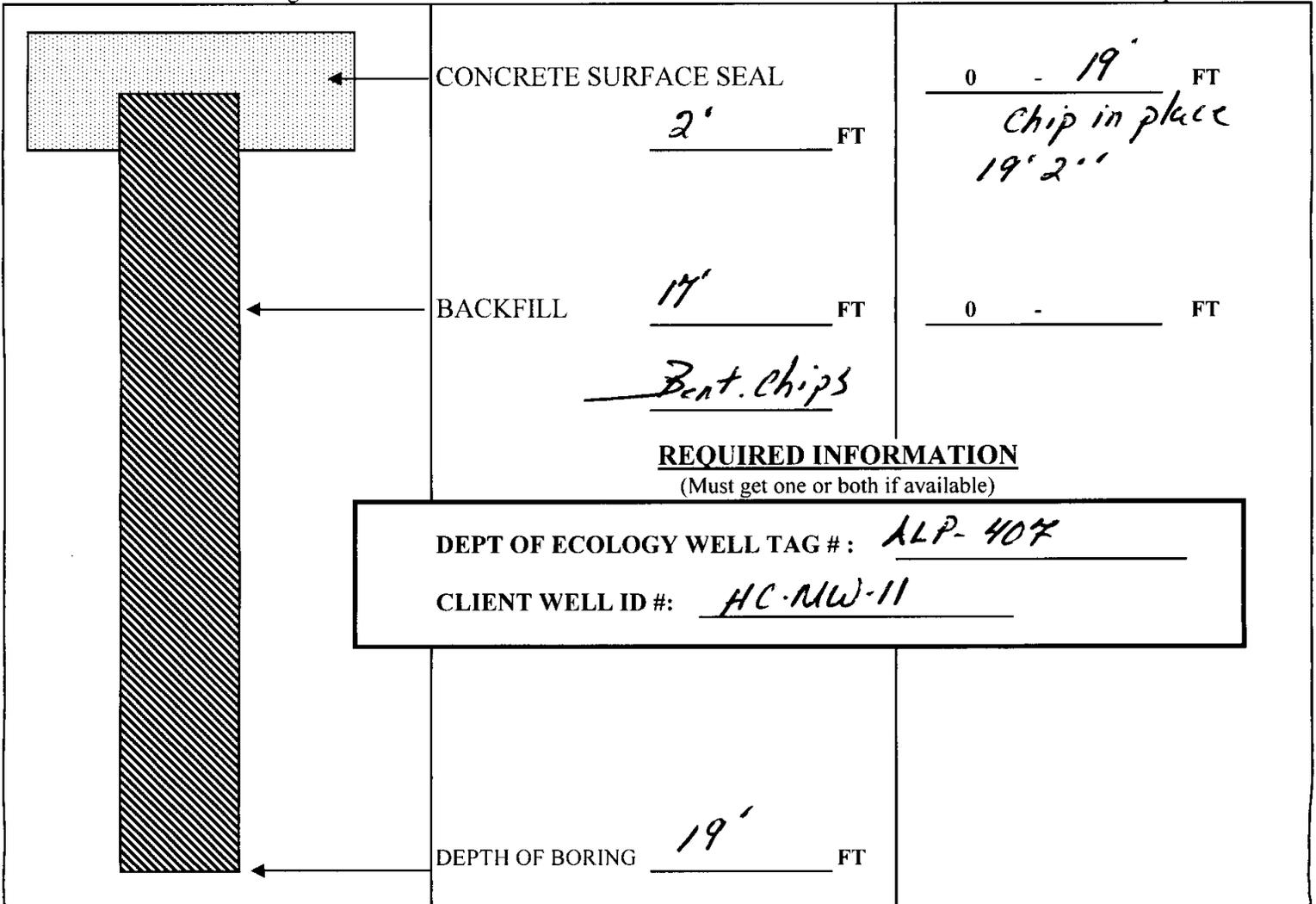
Work/Decommission Completed Date 10-7-13

Construction/Design

Well Data

W3-575

Formation Description



CONCRETE SURFACE SEAL
2' FT

BACKFILL
17' FT
Bent. chips

0 - 19' FT
Chip in place
19' 2''

0 - _____ FT

REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG #: ALP-407

CLIENT WELL ID #: HC-NW-11

DEPTH OF BORING 19' FT

APPENDIX B

CEMEX SOIL DISPOSAL DOCUMENTATION



Ticket List By Customer\Order\Product



Date From 11/18/2013 **To** 11/18/2013
Location(s) 1875
Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
11/18/13	1875380831	75:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	9:43:00	9:52:00	23.46	TON	R
11/18/13	1875380832	75:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	9:53:00	34.08	TON	R
11/18/13	1875380834	75:GOOGLE-KIRKLAND	: NWC71T, NORTHWEST CONST	9:45:00	10:00:00	28.12	TON	R
11/18/13	1875380841	75:GOOGLE-KIRKLAND	1875-5,EVERETT GENERIC	0:00:00	10:20:00	31.99	TON	R
11/18/13	1875380854	75:GOOGLE-KIRKLAND	: NWC55T, NORTHWEST CONST	11:13:00	11:26:00	18.63	TON	R
11/18/13	1875380875	75:GOOGLE-KIRKLAND	NWC49T,NORTHWEST CONSTRI	0:00:00	12:49:00	28.61	TON	
Product Totals						6		
Order Totals						6		
Customer Totals						6		
Grand Total						6		
						Qt	164.89	TON
						Qt	164.89	TON
						Qt	164.89	TON
						Qty	164.89	TON

Ticket List By Customer\Order\Product



Date From 11/19/2013 To 11/19/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
11/19/13	1875380922	75:GOOGLE-KIRKLAND	: NWC56T, NORTHWEST CONST	8:41:00	8:53:00	33.91	TON	R
11/19/13	1875380923	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	8:56:00	38.08	TON	R
11/19/13	1875380926	75:GOOGLE-KIRKLAND	: NWC71T, NORTHWEST CONST	0:00:00	9:06:00	33.68	TON	R
11/19/13	1875380930	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	9:35:00	36.52	TON	R
11/19/13	1875380937	75:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	10:20:00	34.33	TON	R
11/19/13	1875380942	75:GOOGLE-KIRKLAND	NWC49T,NORTHWEST CONSTRI	0:00:00	10:33:00	27.49	TON	
11/19/13	1875380965	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	11:45:00	29.76	TON	
11/19/13	1875380970	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	11:57:00	33.05	TON	R
11/19/13	1875380974	75:GOOGLE-KIRKLAND	NWC49T,NORTHWEST CONSTRI	0:00:00	12:11:00	31.50	TON	
11/19/13	1875381006	75:GOOGLE-KIRKLAND	: NWC55T, NORTHWEST CONST	0:00:00	13:24:00	34.92	TON	R
11/19/13	1875381013	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	13:43:00	27.36	TON	
Product Totals	11				Qt	360.60	TON	
Order Totals	11				Qt	360.60	TON	
Customer Totals	11				Qt	360.60	TON	
Grand Total	11				Qty	360.60	TON	

Ticket List By Customer\Order\Product



Date From 11/20/2013 To 11/20/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
11/20/13	1875381058	75:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	12:40:00	12:51:00	0.00	TON	R
11/20/13	1875381059	75:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	0:00:00	12:51:00	31.96	TON	R
11/20/13	1875381060	75:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	0:00:00	12:53:00	31.43	TON	
11/20/13	1875381074	75:GOOGLE-KIRKLAND	NWC49T,NORTHWEST CONSTRI	0:00:00	13:11:00	30.57	TON	
11/20/13	1875381077	75:GOOGLE-KIRKLAND	: NWC55T, NORTHWEST CONST	0:00:00	13:18:00	29.12	TON	
11/20/13	1875381081	75:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	13:28:00	35.28	TON	R
11/20/13	1875381085	75:GOOGLE-KIRKLAND	: NWC71T, NORTHWEST CONST	0:00:00	13:38:00	29.77	TON	
11/20/13	1875381088	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	13:42:00	30.41	TON	
11/20/13	1875381092	75:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	13:52:00	24.64	TON	
11/20/13	1875381137	75:GOOGLE-KIRKLAND	: NWC55T, NORTHWEST CONST	0:00:00	16:32:00	26.86	TON	
11/20/13	1875381142	75:GOOGLE-KIRKLAND	: NWC73T, NORTHWEST CONST	0:00:00	16:36:00	32.70	TON	R
11/20/13	1875381143	75:GOOGLE-KIRKLAND	: NWC77T, NORTHWEST CONST	0:00:00	16:37:00	28.49	TON	
11/20/13	1875381145	75:GOOGLE-KIRKLAND	NWC34T,NORTHWEST CONSTRI	0:00:00	16:40:00	26.60	TON	
11/20/13	1875381148	75:GOOGLE-KIRKLAND	: NWC74T, NORTHWEST CONST	0:00:00	16:42:00	28.54	TON	
11/20/13	1875381152	75:GOOGLE-KIRKLAND	NWC52T,NORTHWEST CONSTRI	0:00:00	16:45:00	27.00	TON	
11/20/13	1875381156	75:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	0:00:00	16:48:00	28.46	TON	
11/20/13	1875381162	75:GOOGLE-KIRKLAND	: NWC71T, NORTHWEST CONST	0:00:00	16:53:00	24.67	TON	
Product Totals						17		
Order Totals						17		
						Qt	466.50	TON
						Qt	466.50	TON

Ticket List By Customer\Order\Product



Date From 11/21/2013 To 11/21/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
11/21/13	1875381217	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	11:06:00	33.04	TON	R
11/21/13	1875381218	75:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	11:09:00	28.58	TON	
11/21/13	1875381222	75:GOOGLE-KIRKLAND	: NWC73T, NORTHWEST CONST	0:00:00	11:30:00	30.78	TON	
11/21/13	1875381226	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	11:46:00	32.80	TON	R
11/21/13	1875381227	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	11:55:00	29.63	TON	
11/21/13	1875381230	75:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	12:03:00	30.79	TON	
11/21/13	1875381243	75:GOOGLE-KIRKLAND	NWC34T,NORTHWEST CONSTRI	0:00:00	13:25:00	31.96	TON	
Product Totals						7		
Order Totals						7		
Customer Totals						7		
Grand Total						7		
						Qt	217.58	TON
						Qt	217.58	TON
						Qt	217.58	TON
						Qty	217.58	TON

Ticket List By Customer\Order\Product



Date From 11/21/2013 To 11/21/2013
 Location(s) 1876
 Order: 40947399

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets								
SRMK II LLC								
40947399								
1192508								
11/21/13	1876067491	76:GOOGLE-KIRKLAND	: NWC73T, NORTHWEST CONST	0:00:00	8:32:00	30.82	TON	
11/21/13	1876067492	76:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	8:34:00	30.60	TON	
11/21/13	1876067493	76:GOOGLE-KIRKLAND	: NWC77T, NORTHWEST CONST	0:00:00	8:46:00	31.61	TON	
11/21/13	1876067497	76:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	9:00:00	31.94	TON	R
11/21/13	1876067501	76:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	9:15:00	32.10	TON	R
11/21/13	1876067505	76:GOOGLE-KIRKLAND	1876-2,EVERETT SOIL GENERIC	9:19:00	9:27:00	36.90	TON	R
11/21/13	1876067509	76:GOOGLE-KIRKLAND	NWC34T,NORTHWEST CONSTRI	0:00:00	9:43:00	36.47	TON	R
11/21/13	1876067513	76:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	9:58:00	37.76	TON	R
11/21/13	1876067521	76:GOOGLE-KIRKLAND	: NWC74T, NORTHWEST CONST	0:00:00	10:17:00	23.38	TON	
11/21/13	1876067540	76:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	11:32:00	34.15	TON	R
11/21/13	1876067556	76:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	13:03:00	29.81	TON	
11/21/13	1876067557	76:GOOGLE-KIRKLAND	: NWC73T, NORTHWEST CONST	0:00:00	13:11:00	34.28	TON	R
11/21/13	1876067559	76:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	13:40:00	31.23	TON	
11/21/13	1876067560	76:GOOGLE-KIRKLAND	: NWC71T, NORTHWEST CONST	0:00:00	13:44:00	24.49	TON	
11/21/13	1876067561	76:GOOGLE-KIRKLAND	NWC37T,NORTHWEST CONSTRI	0:00:00	13:48:00	27.60	TON	
11/21/13	1876067569	76:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	14:14:00	29.97	TON	
11/21/13	1876067570	76:GOOGLE-KIRKLAND	NWC52T,NORTHWEST CONSTRI	0:00:00	14:16:00	27.55	TON	
Product Totals	17					Qt	530.66	TON
Order Totals	17					Qt	530.66	TON

Ticket List By Customer\Order\Product



Date From 11/22/2013 To 11/22/2013
 Location(s) 1876
 Order: 40947399

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets								
SRMK II LLC								
40947399								
1192508								
11/22/13	1876067597	76:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	6:55:00	27.87	TON	
11/22/13	1876067601	76:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	8:23:00	29.15	TON	
11/22/13	1876067607	76:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	8:59:00	35.09	TON	R
11/22/13	1876067608	76:GOOGLE-KIRKLAND	: NWC56T, NORTHWEST CONST	0:00:00	9:02:00	27.30	TON	
11/22/13	1876067610	76:GOOGLE-KIRKLAND	: NWC55T, NORTHWEST CONST	0:00:00	9:05:00	26.44	TON	
11/22/13	1876067611	76:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	9:12:00	28.37	TON	
11/22/13	1876067612	76:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	9:19:00	28.73	TON	
11/22/13	1876067613	76:GOOGLE-KIRKLAND	NWC52T,NORTHWEST CONSTRI	0:00:00	9:23:00	27.28	TON	
11/22/13	1876067614	76:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	9:30:00	27.97	TON	
11/22/13	1876067616	76:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	9:46:00	32.03	TON	R
11/22/13	1876067622	76:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	10:05:00	27.54	TON	
11/22/13	1876067626	76:GOOGLE-KIRKLAND	1876-2,EVERETT SOIL GENERIC	0:00:00	10:23:00	32.09	TON	
11/22/13	1876067628	76:GOOGLE-KIRKLAND	: NWC74T, NORTHWEST CONST	0:00:00	10:29:00	24.28	TON	
11/22/13	1876067629	76:GOOGLE-KIRKLAND	: NWC56T, NORTHWEST CONST	0:00:00	10:36:00	25.90	TON	
11/22/13	1876067630	76:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	10:39:00	26.93	TON	
11/22/13	1876067631	76:GOOGLE-KIRKLAND	: NWC73T, NORTHWEST CONST	0:00:00	10:49:00	26.88	TON	
11/22/13	1876067632	76:GOOGLE-KIRKLAND	NWC52T,NORTHWEST CONSTRI	0:00:00	10:52:00	23.52	TON	
11/22/13	1876067637	76:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	11:48:00	30.59	TON	

11/22/13	1876067639	76:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	11:51:00	27.09	TON	
11/22/13	1876067642	76:GOOGLE-KIRKLAND	: NWC74T, NORTHWEST CONST	0:00:00	11:57:00	29.91	TON	
11/22/13	1876067644	76:GOOGLE-KIRKLAND	: NWC56T, NORTHWEST CONST	0:00:00	12:02:00	27.27	TON	
11/22/13	1876067645	76:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	12:09:00	28.89	TON	
11/22/13	1876067646	76:GOOGLE-KIRKLAND	NWC34T,NORTHWEST CONSTRI	0:00:00	12:21:00	33.84	TON	R
11/22/13	1876067647	76:GOOGLE-KIRKLAND	: NWC73T, NORTHWEST CONST	0:00:00	12:24:00	29.17	TON	
11/22/13	1876067650	76:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	12:35:00	29.56	TON	
11/22/13	1876067651	76:GOOGLE-KIRKLAND	NWC60T,NORTHWEST CONST	0:00:00	12:37:00	27.18	TON	
11/22/13	1876067652	76:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	12:42:00	26.67	TON	
11/22/13	1876067653	76:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	12:48:00	27.55	TON	
11/22/13	1876067654	76:GOOGLE-KIRKLAND	: NWC55T, NORTHWEST CONST	0:00:00	12:50:00	26.86	TON	
11/22/13	1876067655	76:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	13:05:00	30.63	TON	
11/22/13	1876067656	76:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	13:18:00	29.17	TON	
Product Totals	31					Qt	881.75	TON
Order Totals	31					Qt	881.75	TON
Customer Totals	31					Qt	881.75	TON
Grand Total	31					Qty	881.75	TON

Ticket List By Customer\Order\Product



Date From 11/25/2013 To 11/25/2013
 Location(s) 1876
 Order: 40947399

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship	
Scale Tickets									
SRMK II LLC									
40947399									
1192508									
11/25/13	1876067694	76:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	8:43:00	0.00	TON	R	
11/25/13	1876067831	76:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	13:32:00	32.77	TON	R	
11/25/13	1876067833	76:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	13:37:00	31.03	TON		
11/25/13	1876067839	76:GOOGLE-KIRKLAND	: NWC74T, NORTHWEST CONST	0:00:00	13:47:00	28.65	TON		
11/25/13	1876067846	76:GOOGLE-KIRKLAND	: NWC71T, NORTHWEST CONST	0:00:00	13:56:00	27.87	TON		
11/25/13	1876067850	76:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	14:10:00	31.11	TON		
11/25/13	1876067854	76:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	14:22:00	28.99	TON		
11/25/13	1876067865	76:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	14:46:00	29.01	TON		
Product Totals						8	Qt	209.43	TON
Order Totals						8	Qt	209.43	TON
Customer Totals						8	Qt	209.43	TON
Grand Total						8	Qty	209.43	TON



Ticket List By Customer\Order\Product



Date From 11/26/2013 To 11/26/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship	
Scale Tickets									
SRMK II LLC									
40947400									
1192506									
11/26/13	1875381467	75:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	8:07:00	29.13	TON		
11/26/13	1875381468	75:GOOGLE-KIRKLAND	: NWC75T, NORTHWEST CONST	0:00:00	8:13:00	29.44	TON		
11/26/13	1875381470	75:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	0:00:00	8:22:00	30.63	TON		
11/26/13	1875381472	75:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	8:27:00	28.89	TON		
11/26/13	1875381474	75:GOOGLE-KIRKLAND	: NWC73T, NORTHWEST CONST	0:00:00	8:32:00	28.64	TON		
11/26/13	1875381479	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	8:38:00	30.17	TON		
11/26/13	1875381487	75:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	8:54:00	31.52	TON		
11/26/13	1875381492	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	9:09:00	27.52	TON		
11/26/13	1875381542	75:GOOGLE-KIRKLAND	: NWC75T, NORTHWEST CONST	0:00:00	12:56:00	32.39	TON	R	
11/26/13	1875381565	75:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	0:00:00	14:09:00	5.07	TON		
Product Totals	10					Qt	273.40	TON	
Order Totals	10					Qt	273.40	TON	
Customer Totals	10					Qt	273.40	TON	
Grand Total	10					Qty	273.40	TON	

Ticket List By Customer\Order\Product



Date From 11/26/2013 To 11/26/2013
 Location(s) 1876
 Order: 40947399

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947399 1192508								
11/26/13	1876067872	76:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	6:56:00	29.16	TON	
11/26/13	1876067922	76:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	12:42:00	32.48	TON	R
11/26/13	1876067923	76:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	12:42:00	31.30	TON	
11/26/13	1876067924	76:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	12:43:00	28.13	TON	
11/26/13	1876067928	76:GOOGLE-KIRKLAND	1875-3,EVERETT GENERIC	12:46:00	13:02:00	34.36	TON	
11/26/13	1876067933	76:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	13:13:00	33.69	TON	R
11/26/13	1876067938	76:GOOGLE-KIRKLAND	: NWC74T, NORTHWEST CONST	0:00:00	13:18:00	32.70	TON	R
11/26/13	1876067941	76:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	13:23:00	33.99	TON	R
11/26/13	1876067943	76:GOOGLE-KIRKLAND	: NWC73T, NORTHWEST CONST	0:00:00	13:26:00	33.44	TON	R
11/26/13	1876067944	76:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	13:27:00	30.55	TON	
11/26/13	1876067945	76:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	13:28:00	36.49	TON	R
11/26/13	1876067951	76:GOOGLE-KIRKLAND	NWC37T,NORTHWEST CONSTRI	0:00:00	13:40:00	32.11	TON	
11/26/13	1876067952	76:GOOGLE-KIRKLAND	1879-1,PROCTOR GENERIC	13:28:00	13:43:00	30.61	TON	R
11/26/13	1876067953	76:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	13:43:00	33.01	TON	R
11/26/13	1876067954	76:GOOGLE-KIRKLAND	: NWC56T, NORTHWEST CONST	0:00:00	13:45:00	32.41	TON	R
11/26/13	1876067955	76:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	13:46:00	32.28	TON	R
11/26/13	1876067957	76:GOOGLE-KIRKLAND	: NWC71T, NORTHWEST CONST	0:00:00	13:54:00	30.99	TON	
11/26/13	1876067958	76:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	14:02:00	34.34	TON	R

11/26/13	1876067959	76:GOOGLE-KIRKLAND	1879-3,PROCTOR GENERIC	13:42:00	14:02:00	34.95	TON	R
11/26/13	1876067960	76:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	14:03:00	35.28	TON	R
11/26/13	1876067961	76:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	14:05:00	30.58	TON	
11/26/13	1876067962	76:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	14:07:00	34.12	TON	R
11/26/13	1876067963	76:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	14:12:00	31.85	TON	R
11/26/13	1876067964	76:GOOGLE-KIRKLAND	NWC34T,NORTHWEST CONSTRI	0:00:00	14:19:00	33.55	TON	
11/26/13	1876067965	76:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	14:23:00	31.16	TON	
11/26/13	1876067966	76:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	14:25:00	33.73	TON	R
11/26/13	1876067967	76:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	0:00:00	14:27:00	33.28	TON	R
11/26/13	1876067968	76:GOOGLE-KIRKLAND	: NWC75T, NORTHWEST CONST	0:00:00	14:29:00	27.41	TON	
11/26/13	1876067971	76:GOOGLE-KIRKLAND	: NWC74T, NORTHWEST CONST	0:00:00	14:40:00	32.48	TON	R
11/26/13	1876067974	76:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	14:52:00	30.23	TON	
11/26/13	1876067978	76:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	15:04:00	30.45	TON	
Product Totals	31				Qt	1,001.11	TON	
Order Totals	31				Qt	1,001.11	TON	
Customer Totals	31				Qt	1,001.11	TON	
Grand Total	31				Qty	1,001.11	TON	

ORIGINALLY BILLED TO WRONG ACCT - CORRECTED PRIOR TO INVOICING - VERIFIED BY MANIFESTS

Ticket List By Customer\Order\Product



Date From 11/27/2013 To 11/27/2013
 Location(s) 1876
 Order: 40947399

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets								
SRMK II LLC								
40947399								
1192508								
11/27/13	1876067982	76:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	6:53:00	23.75	TON	
11/27/13	1876067983	76:GOOGLE-KIRKLAND	: NWC73T, NORTHWEST CONST	0:00:00	6:59:00	29.62	TON	
11/27/13	1876067984	76:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	7:40:00	28.72	TON	
11/27/13	1876067985	76:GOOGLE-KIRKLAND	: NWC56T, NORTHWEST CONST	0:00:00	7:44:00	30.83	TON	
11/27/13	1876067986	76:GOOGLE-KIRKLAND	: NWC55T, NORTHWEST CONST	0:00:00	7:46:00	31.85	TON	R
11/27/13	1876067987	76:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	7:49:00	30.82	TON	R
11/27/13	1876067988	76:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	7:50:00	30.90	TON	
11/27/13	1876067989	76:GOOGLE-KIRKLAND	1875-3,EVERETT GENERIC	7:56:00	7:56:00	34.42	TON	
11/27/13	1876067990	76:GOOGLE-KIRKLAND	: NWC74T, NORTHWEST CONST	0:00:00	7:59:00	31.96	TON	R
11/27/13	1876067991	76:GOOGLE-KIRKLAND	1879-1,PROCTOR GENERIC	0:00:00	8:01:00	24.09	TON	
11/27/13	1876067993	76:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	0:00:00	8:04:00	31.88	TON	R
11/27/13	1876067994	76:GOOGLE-KIRKLAND	: NWC68SD, NORTHWEST CONS	0:00:00	8:08:00	29.77	TON	
11/27/13	1876067996	76:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	8:14:00	29.14	TON	
11/27/13	1876067997	76:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	8:15:00	30.15	TON	
11/27/13	1876067998	76:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	8:15:00	28.41	TON	
11/27/13	1876067999	76:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	8:19:00	26.35	TON	
11/27/13	1876068000	76:GOOGLE-KIRKLAND	1876-2,EVERETT SOIL GENERIC	8:06:00	8:20:00	30.04	TON	R
11/27/13	1876068001	76:GOOGLE-KIRKLAND	; NWC69SD, NORTHWEST CONS	0:00:00	8:22:00	30.54	TON	

11/27/13	1876068002	76:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	8:25:00	28.56	TON
11/27/13	1876068004	76:GOOGLE-KIRKLAND	1879-3,PROCTOR GENERIC	0:00:00	8:27:00	28.82	TON
11/27/13	1876068005	76:GOOGLE-KIRKLAND	NWC34T,NORTHWEST CONSTRI	0:00:00	8:32:00	28.45	TON
11/27/13	1876068006	76:GOOGLE-KIRKLAND	: NWC73T, NORTHWEST CONST	0:00:00	8:37:00	27.55	TON
11/27/13	1876068012	76:GOOGLE-KIRKLAND	: NWC56T, NORTHWEST CONST	0:00:00	9:14:00	31.37	TON
11/27/13	1876068013	76:GOOGLE-KIRKLAND	: NWC55T, NORTHWEST CONST	0:00:00	9:15:00	31.71	TON R
11/27/13	1876068014	76:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	9:16:00	29.66	TON
11/27/13	1876068016	76:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	9:19:00	31.26	TON
11/27/13	1876068018	76:GOOGLE-KIRKLAND	: NWC74T, NORTHWEST CONST	0:00:00	9:32:00	28.82	TON
11/27/13	1876068020	76:GOOGLE-KIRKLAND	1875-3,EVERETT GENERIC	0:00:00	9:35:00	32.34	TON
11/27/13	1876068021	76:GOOGLE-KIRKLAND	1879-1,PROCTOR GENERIC	0:00:00	9:36:00	28.97	TON
11/27/13	1876068022	76:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	0:00:00	9:39:00	30.65	TON
11/27/13	1876068023	76:GOOGLE-KIRKLAND	: NWC71T, NORTHWEST CONST	0:00:00	9:40:00	28.30	TON
11/27/13	1876068026	76:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	9:45:00	28.47	TON
11/27/13	1876068027	76:GOOGLE-KIRKLAND	: NWC68SD, NORTHWEST CONS	0:00:00	9:46:00	27.50	TON
11/27/13	1876068028	76:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	9:48:00	27.53	TON
11/27/13	1876068030	76:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	9:52:00	26.44	TON
11/27/13	1876068032	76:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	9:53:00	26.93	TON
11/27/13	1876068034	76:GOOGLE-KIRKLAND	; NWC69SD, NORTHWEST CONS	0:00:00	9:59:00	23.47	TON
11/27/13	1876068035	76:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	10:00:00	26.23	TON
11/27/13	1876068036	76:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	10:02:00	21.59	TON
11/27/13	1876068038	76:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	10:05:00	26.89	TON
11/27/13	1876068039	76:GOOGLE-KIRKLAND	1879-3,PROCTOR GENERIC	0:00:00	10:07:00	27.06	TON
11/27/13	1876068040	76:GOOGLE-KIRKLAND	NWC37T,NORTHWEST CONSTRI	0:00:00	10:10:00	28.50	TON
11/27/13	1876068041	76:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	10:11:00	27.73	TON
11/27/13	1876068043	76:GOOGLE-KIRKLAND	NWC34T,NORTHWEST CONSTRI	0:00:00	10:15:00	29.79	TON
11/27/13	1876068044	76:GOOGLE-KIRKLAND	: NWC73T, NORTHWEST CONST	0:00:00	10:16:00	27.00	TON
11/27/13	1876068046	76:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	10:29:00	29.20	TON
11/27/13	1876068048	76:GOOGLE-KIRKLAND	: NWC56T, NORTHWEST CONST	0:00:00	10:38:00	29.41	TON

11/27/13	1876068053	76:GOOGLE-KIRKLAND	1875-3,EVERETT GENERIC	0:00:00	11:05:00	30.05	TON
Product Totals	48				Qt	1,383.49	TON
Order Totals	48				Qt	1,383.49	TON
Customer Totals	48				Qt	1,383.49	TON
Grand Total	48				Qty	1,383.49	TON

Ticket List By Customer\Order\Product



Date From 12/02/2013 To 12/02/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets								
SRMK II LLC								
40947400								
1192506								
12/2/13	1875381729	75:GOOGLE-KIRKLAND	NWC52T,NORTHWEST CONSTRI	0:00:00	11:25:00	21.99	TON	
12/2/13	1875381731	75:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	0:00:00	11:33:00	33.19	TON	R
Product Totals	2				Qt	55.18	TON	
Order Totals	2				Qt	55.18	TON	
Customer Totals	2				Qt	55.18	TON	
Grand Total	2				Qty	55.18	TON	

Ticket List By Customer\Order\Product



Date From 12/02/2013 To 12/02/2013
 Location(s) 1876
 Order: 40949944

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	S h i p
EARTHWORK ENTERPRISES								
40949944								
1192508								
12/2/13	1876068110	76:76TH AVE SEWER PROJ	1879-1,PROCTOR GENERIC	9:17:00	9:25:00	16.19	TON	R
12/2/13	1876068150	76:76TH AVE SEWER PROJ	1879-4,PROCTOR GENERIC	12:50:00	13:03:00	13.94	TON	R
12/2/13	1876068168	76:76TH AVE SEWER PROJ	1879-1,PROCTOR GENERIC	0:00:00	14:50:00	16.75	TON	
Product Totals	3				Qt	46.88	TON	
Order Totals	3				Qt	46.88	TON	
Customer Totals	3				Qt	46.88	TON	
Grand Total	3				Qty	46.88	TON	

Ticket List By Customer\Order\Product



Date From 12/12/2013 To 12/12/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
12/12/13	1875382488	75:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	10:22:00	10:30:00	30.97	TON	R
12/12/13	1875382494	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	10:49:00	29.46	TON	
12/12/13	1875382497	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	11:00:00	29.25	TON	
12/12/13	1875382502	75:GOOGLE-KIRKLAND	NWC73T,NORTHWEST CONSTRI	0:00:00	11:27:00	30.88	TON	
12/12/13	1875382504	75:GOOGLE-KIRKLAND	NWC37T,NORTHWEST CONSTRI	0:00:00	11:33:00	31.60	TON	
12/12/13	1875382506	75:GOOGLE-KIRKLAND	NWC78T,NORTHWEST CONSTRI	11:15:00	11:37:00	30.29	TON	R
12/12/13	1875382510	75:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	11:45:00	29.91	TON	
12/12/13	1875382513	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	0:00:00	11:52:00	31.38	TON	R
12/12/13	1875382522	75:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	12:13:00	12:29:00	29.57	TON	R
12/12/13	1875382523	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	12:29:00	31.16	TON	
12/12/13	1875382526	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	12:49:00	30.28	TON	
12/12/13	1875382528	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	12:41:00	13:00:00	29.80	TON	R
12/12/13	1875382529	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	13:02:00	29.03	TON	
12/12/13	1875382530	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	13:11:00	28.34	TON	
12/12/13	1875382531	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	0:00:00	13:20:00	29.41	TON	
Product Totals	15				Qt	451.33	TON	
Order Totals	15				Qt	451.33	TON	
Customer Totals	15				Qt	451.33	TON	
Grand Total	15				Qty	451.33	TON	

Ticket List By Customer\Order\Product



Date From 12/13/2013 To 12/13/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
12/13/13	1875382562	75:GOOGLE-KIRKLAND	NWC70T,NORTHWEST CONSTRI	0:00:00	10:05:00	29.55	TON	R
12/13/13	1875382564	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	10:16:00	31.40	TON	
12/13/13	1875382569	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	13:35:00	10:45:00	30.45	TON	
12/13/13	1875382570	75:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	0:00:00	10:52:00	33.13	TON	
12/13/13	1875382573	75:GOOGLE-KIRKLAND	NWC68SD,NORTHWEST CONST	0:00:00	11:09:00	30.14	TON	
12/13/13	1875382576	75:GOOGLE-KIRKLAND	NWC34T,NORTHWEST CONSTRI	0:00:00	11:34:00	31.65	TON	
12/13/13	1875382580	75:GOOGLE-KIRKLAND	NWC39T,NORTHWEST CONSTRI	0:00:00	12:02:00	30.01	TON	
12/13/13	1875382581	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	11:46:00	12:07:00	30.94	TON	R
12/13/13	1875382582	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	12:18:00	32.53	TON	
12/13/13	1875382584	75:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	0:00:00	12:27:00	32.81	TON	R
12/13/13	1875382587	75:GOOGLE-KIRKLAND	NWC68SD,NORTHWEST CONST	0:00:00	12:43:00	29.71	TON	
12/13/13	1875382591	75:GOOGLE-KIRKLAND	NWC70T,NORTHWEST CONSTRI	0:00:00	13:12:00	30.71	TON	R
12/13/13	1875382593	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	13:29:00	32.29	TON	R
12/13/13	1875382594	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	13:39:00	29.97	TON	
12/13/13	1875382597	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	13:53:00	31.85	TON	
12/13/13	1875382598	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	0:00:00	14:01:00	30.40	TON	
12/13/13	1875382603	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	14:18:00	31.37	TON	
12/13/13	1875382605	75:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	14:44:00	33.04	TON	R

12/13/13	1875382606	75:GOOGLE-KIRKLAND	NWC34T,NORTHWEST CONSTRI	0:00:00	14:50:00	33.39	TON
Product Totals	19					Qt	595.34 TON
Order Totals	19					Qt	595.34 TON
Customer Totals	19					Qt	595.34 TON
Grand Total	19					Qty	595.34 TON

Ticket List By Customer\Order\Product



Date From 12/16/2013 To 12/16/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
12/16/13	1875382621	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	0:00:00	8:14:00	32.38	TON	R
12/16/13	1875382625	75:GOOGLE-KIRKLAND	NWC70T,NORTHWEST CONSTRI	0:00:00	8:27:00	33.48	TON	R
12/16/13	1875382627	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	8:35:00	32.28	TON	R
12/16/13	1875382629	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	8:41:00	30.17	TON	
12/16/13	1875382633	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	8:54:00	31.16	TON	
12/16/13	1875382640	75:GOOGLE-KIRKLAND	NWC37T,NORTHWEST CONSTRI	0:00:00	9:13:00	30.74	TON	
12/16/13	1875382644	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	0:00:00	9:55:00	32.75	TON	R
12/16/13	1875382647	75:GOOGLE-KIRKLAND	NWC78T,NORTHWEST CONSTRI	0:00:00	10:03:00	32.94	TON	R
12/16/13	1875382648	75:GOOGLE-KIRKLAND	NWC70T,NORTHWEST CONSTRI	0:00:00	10:06:00	30.42	TON	R
12/16/13	1875382650	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	10:13:00	32.68	TON	R
12/16/13	1875382652	75:GOOGLE-KIRKLAND	NWC69SD,NORTHWEST CONST	0:00:00	10:18:00	33.44	TON	R
12/16/13	1875382655	75:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	0:00:00	10:29:00	36.00	TON	
12/16/13	1875382656	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	10:44:00	33.34	TON	R
12/16/13	1875382657	75:GOOGLE-KIRKLAND	NWC33S,NORTHWEST CONSTRI	10:35:00	10:55:00	33.20	TON	R
12/16/13	1875382661	75:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	11:09:00	34.90	TON	R
12/16/13	1875382663	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	11:17:00	30.74	TON	
12/16/13	1875382664	75:GOOGLE-KIRKLAND	NWC78T,NORTHWEST CONSTRI	0:00:00	11:24:00	32.93	TON	R
12/16/13	1875382666	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	0:00:00	11:33:00	32.97	TON	R

12/16/13	1875382668	75:GOOGLE-KIRKLAND	NWC70T,NORTHWEST CONSTRI	0:00:00	11:41:00	31.47	TON	R
12/16/13	1875382669	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	11:46:00	33.94	TON	R
12/16/13	1875382670	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	11:56:00	32.62	TON	R
12/16/13	1875382671	75:GOOGLE-KIRKLAND	NWC72T,NORTHWEST CONSTRI	0:00:00	12:05:00	35.62	TON	R
12/16/13	1875382677	75:GOOGLE-KIRKLAND	NWC37T,NORTHWEST CONSTRI	0:00:00	12:25:00	30.80	TON	
12/16/13	1875382683	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	13:02:00	31.98	TON	R
12/16/13	1875382686	75:GOOGLE-KIRKLAND	NWC78T,NORTHWEST CONSTRI	0:00:00	13:05:00	32.25	TON	R
12/16/13	1875382691	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	0:00:00	13:13:00	32.53	TON	R
12/16/13	1875382692	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	13:14:00	31.92	TON	
12/16/13	1875382697	75:GOOGLE-KIRKLAND	NWC70T,NORTHWEST CONSTRI	0:00:00	13:21:00	33.71	TON	R
12/16/13	1875382699	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	13:32:00	32.29	TON	R
12/16/13	1875382703	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	13:40:00	32.33	TON	R
12/16/13	1875382705	75:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	13:55:00	32.05	TON	R
12/16/13	1875382707	75:GOOGLE-KIRKLAND	NWC37T,NORTHWEST CONSTRI	0:00:00	14:06:00	29.51	TON	
Product Totals	32					Qt	1,039.54	TON
Order Totals	32					Qt	1,039.54	TON
Customer Totals	32					Qt	1,039.54	TON
Grand Total	32					Qty	1,039.54	TON

Ticket List By Customer\Order\Product



Date From 12/17/2013 To 12/17/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
12/17/13	1875382729	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	7:06:00	32.20	TON	R
12/17/13	1875382738	75:GOOGLE-KIRKLAND	NWC49T,NORTHWEST CONSTRI	0:00:00	8:37:00	34.30	TON	R
12/17/13	1875382741	75:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	9:01:00	31.29	TON	
12/17/13	1875382742	75:GOOGLE-KIRKLAND	NWC44T,NORTHWEST CONST	0:00:00	9:03:00	28.94	TON	
12/17/13	1875382746	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	9:14:00	31.33	TON	
12/17/13	1875382748	75:GOOGLE-KIRKLAND	NWC74T,NORTHWEST CONSTRI	0:00:00	9:19:00	30.99	TON	
12/17/13	1875382751	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	9:29:00	29.81	TON	
12/17/13	1875382759	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	10:10:00	32.69	TON	R
12/17/13	1875382763	75:GOOGLE-KIRKLAND	NWC56T,NORTHWEST CONSTRI	0:00:00	10:19:00	32.52	TON	R
12/17/13	1875382767	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	10:47:00	31.33	TON	
12/17/13	1875382768	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	10:49:00	31.05	TON	R
12/17/13	1875382771	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	10:52:00	28.21	TON	
12/17/13	1875382772	75:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	11:05:00	29.32	TON	
12/17/13	1875382776	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	11:14:00	28.06	TON	
12/17/13	1875382779	75:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	11:22:00	29.25	TON	
12/17/13	1875382788	75:GOOGLE-KIRKLAND	NWC49T,NORTHWEST CONSTRI	0:00:00	11:39:00	29.31	TON	
12/17/13	1875382792	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	11:48:00	30.32	TON	
12/17/13	1875382794	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	0:00:00	11:59:00	28.96	TON	

12/17/13	1875382798	75:GOOGLE-KIRKLAND	NWC68SD,NORTHWEST CONST	0:00:00	12:06:00	30.15	TON
12/17/13	1875382801	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	12:18:00	29.74	TON
12/17/13	1875382803	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	12:25:00	27.67	TON
12/17/13	1875382806	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	12:31:00	28.87	TON
12/17/13	1875382810	75:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	12:51:00	29.40	TON
12/17/13	1875382812	75:GOOGLE-KIRKLAND	NWC73T,NORTHWEST CONSTRI	0:00:00	12:57:00	28.09	TON
12/17/13	1875382814	75:GOOGLE-KIRKLAND	NWC36T,NORTHWEST CONSTRI	0:00:00	13:18:00	29.34	TON
12/17/13	1875382819	75:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	13:30:00	30.38	TON
12/17/13	1875382822	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	13:43:00	29.25	TON
12/17/13	1875382824	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	13:52:00	28.83	TON
12/17/13	1875382828	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	14:02:00	29.70	TON
12/17/13	1875382832	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	14:07:00	27.95	TON
12/17/13	1875382834	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	14:17:00	29.81	TON
12/17/13	1875382838	75:GOOGLE-KIRKLAND	NWC49T,NORTHWEST CONSTRI	0:00:00	14:34:00	29.72	TON
Product Totals	32				Qt	958.78	TON
Order Totals	32				Qt	958.78	TON
Customer Totals	32				Qt	958.78	TON
Grand Total	32				Qty	958.78	TON

Ticket List By Customer\Order\Product



Date From 12/18/2013 To 12/18/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
12/18/13	1875382851	75:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	8:33:00	30.68	TON	
12/18/13	1875382852	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	8:40:00	26.75	TON	
12/18/13	1875382853	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	8:48:00	29.39	TON	
12/18/13	1875382857	75:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	9:09:00	29.74	TON	
12/18/13	1875382859	75:GOOGLE-KIRKLAND	NWC39T,NORTHWEST CONSTRI	0:00:00	9:26:00	27.55	TON	
12/18/13	1875382860	75:GOOGLE-KIRKLAND	NWC49T,NORTHWEST CONSTRI	0:00:00	9:34:00	29.57	TON	
12/18/13	1875382863	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	9:52:00	30.92	TON	
12/18/13	1875382864	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	10:07:00	28.57	TON	
12/18/13	1875382867	75:GOOGLE-KIRKLAND	NWC74T,NORTHWEST CONSTRI	0:00:00	10:14:00	30.01	TON	
12/18/13	1875382872	75:GOOGLE-KIRKLAND	NWC73T,NORTHWEST CONSTRI	0:00:00	10:33:00	31.33	TON	
12/18/13	1875382874	75:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	10:46:00	29.75	TON	
12/18/13	1875382877	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	11:08:00	31.11	TON	
12/18/13	1875382881	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	11:36:00	30.94	TON	
12/18/13	1875382885	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	11:45:00	31.62	TON	
12/18/13	1875382886	75:GOOGLE-KIRKLAND	NWC74T,NORTHWEST CONSTRI	0:00:00	11:56:00	29.63	TON	
12/18/13	1875382889	75:GOOGLE-KIRKLAND	NWC73T,NORTHWEST CONSTRI	0:00:00	12:09:00	31.37	TON	
12/18/13	1875382896	75:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	12:33:00	29.97	TON	
12/18/13	1875382898	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	12:47:00	29.17	TON	

12/18/13	1875382902	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	13:05:00	29.67	TON
12/18/13	1875382906	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	13:22:00	28.59	TON
12/18/13	1875382907	75:GOOGLE-KIRKLAND	NWC74T,NORTHWEST CONSTRI	0:00:00	13:33:00	31.60	TON
12/18/13	1875382910	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	13:55:00	29.74	TON
Product Totals	22					Qt	657.67 TON
Order Totals	22					Qt	657.67 TON
Customer Totals	22					Qt	657.67 TON
Grand Total	22					Qty	657.67 TON

Ticket List By Customer\Order\Product



Date From 12/19/2013 To 12/19/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets								
SRMK II LLC								
40947400								
1192506								
12/19/13	1875382924	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	6:53:00	30.23	TON	
12/19/13	1875382926	75:GOOGLE-KIRKLAND	NWC74T,NORTHWEST CONSTRI	0:00:00	6:56:00	29.93	TON	
12/19/13	1875382927	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	6:58:00	29.47	TON	
12/19/13	1875382929	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	7:01:00	31.62	TON	
12/19/13	1875382931	75:GOOGLE-KIRKLAND	NWC39T,NORTHWEST CONSTRI	0:00:00	7:03:00	26.80	TON	
12/19/13	1875382936	75:GOOGLE-KIRKLAND	NWC49T,NORTHWEST CONSTRI	0:00:00	7:52:00	30.85	TON	
12/19/13	1875382938	75:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	8:04:00	31.43	TON	
12/19/13	1875382943	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	8:27:00	29.97	TON	
12/19/13	1875382947	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	8:46:00	29.03	TON	
12/19/13	1875382949	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	8:52:00	28.46	TON	
12/19/13	1875382950	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	9:02:00	30.22	TON	
12/19/13	1875382952	75:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	9:13:00	31.85	TON	
12/19/13	1875382954	75:GOOGLE-KIRKLAND	NWC37T,NORTHWEST CONSTRI	0:00:00	9:27:00	30.75	TON	
12/19/13	1875382957	75:GOOGLE-KIRKLAND	NWC49T,NORTHWEST CONSTRI	0:00:00	9:34:00	29.71	TON	
12/19/13	1875382960	75:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	9:45:00	30.98	TON	
12/19/13	1875382963	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	10:15:00	28.56	TON	
12/19/13	1875382966	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	10:20:00	29.87	TON	
12/19/13	1875382968	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	10:29:00	31.96	TON	R

12/19/13	1875382969	75:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	10:40:00	32.87	TON	R
12/19/13	1875382971	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	0:00:00	10:49:00	32.19	TON	R
12/19/13	1875382972	75:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	10:57:00	31.04	TON	
12/19/13	1875382973	75:GOOGLE-KIRKLAND	NWC49T,NORTHWEST CONSTRI	0:00:00	11:03:00	31.82	TON	
12/19/13	1875382974	75:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	11:11:00	32.36	TON	R
12/19/13	1875382977	75:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	11:23:00	31.71	TON	
12/19/13	1875382981	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	11:51:00	31.55	TON	
12/19/13	1875382983	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	12:04:00	32.76	TON	R
12/19/13	1875382987	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	12:17:00	31.10	TON	
12/19/13	1875382988	75:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	12:21:00	31.85	TON	
12/19/13	1875382989	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	0:00:00	12:29:00	33.46	TON	R
12/19/13	1875382991	75:GOOGLE-KIRKLAND	NWC49T,NORTHWEST CONSTRI	0:00:00	12:35:00	34.71	TON	R
12/19/13	1875382992	75:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	12:36:00	32.67	TON	R
12/19/13	1875382996	75:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	13:00:00	32.31	TON	R
12/19/13	1875383000	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	13:20:00	31.84	TON	
12/19/13	1875383001	75:GOOGLE-KIRKLAND	NWC56T,NORTHWEST CONSTRI	0:00:00	13:33:00	32.55	TON	R
12/19/13	1875383002	75:GOOGLE-KIRKLAND	NWC73T,NORTHWEST CONSTRI	0:00:00	13:42:00	34.76	TON	R
12/19/13	1875383005	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	13:49:00	32.04	TON	R
12/19/13	1875383006	75:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	13:56:00	33.17	TON	R
12/19/13	1875383009	75:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	14:06:00	32.92	TON	R
12/19/13	1875383010	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	0:00:00	14:09:00	32.78	TON	R
12/19/13	1875383013	75:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	14:42:00	31.35	TON	
12/19/13	1875383015	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	15:00:00	32.00	TON	
Product Totals	41					Qt	1,287.50	TON
Order Totals	41					Qt	1,287.50	TON
Customer Totals	41					Qt	1,287.50	TON
Grand Total	41					Qty	1,287.50	TON

Ticket List By Customer\Order\Product



Date From 12/23/2013 To 12/23/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets								
SRMK II LLC								
40947400								
1192506								
12/23/13	1875383041	75:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	10:14:00	30.63	TON	
12/23/13	1875383047	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	10:28:00	30.30	TON	
12/23/13	1875383051	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	10:37:00	29.69	TON	R
12/23/13	1875383054	75:GOOGLE-KIRKLAND	SRV,SRV CONSTRUCTION INC	0:00:00	10:46:00	36.82	TON	
12/23/13	1875383056	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	10:56:00	29.89	TON	
12/23/13	1875383057	75:GOOGLE-KIRKLAND	NWC70T,NORTHWEST CONSTRI	0:00:00	11:06:00	27.32	TON	R
12/23/13	1875383060	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	11:18:00	28.87	TON	
12/23/13	1875383064	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	11:25:00	26.90	TON	
12/23/13	1875383073	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	0:00:00	11:48:00	29.12	TON	
12/23/13	1875383075	75:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	11:59:00	28.64	TON	
12/23/13	1875383077	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	12:07:00	25.83	TON	
12/23/13	1875383080	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	12:20:00	27.87	TON	
12/23/13	1875383086	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	12:36:00	30.91	TON	
12/23/13	1875383101	75:GOOGLE-KIRKLAND	NWC49T,NORTHWEST CONSTRI	0:00:00	13:31:00	33.44	TON	R
12/23/13	1875383103	75:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	13:40:00	31.08	TON	
12/23/13	1875383104	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	13:50:00	29.46	TON	
12/23/13	1875383106	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	14:08:00	26.08	TON	
12/23/13	1875383107	75:GOOGLE-KIRKLAND	NWC56T,NORTHWEST CONSTRI	0:00:00	14:12:00	29.01	TON	

12/23/13	1875383108	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	14:22:00	29.76	TON	
12/23/13	1875383111	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	15:05:00	31.51	TON	R
12/23/13	1875383113	75:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	15:26:00	29.03	TON	
Product Totals	21					Qt	622.16	TON
Order Totals	21					Qt	622.16	TON
Customer Totals	21					Qt	622.16	TON
Grand Total	21					Qty	622.16	TON

Ticket List By Customer\Order\Product



Date From 12/27/2013 To 12/27/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
12/27/13	1875383233	75:GOOGLE-KIRKLAND	NWC56T,NORTHWEST CONSTRI	0:00:00	7:05:00	32.19	TON	R
12/27/13	1875383237	75:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	7:53:00	27.69	TON	
12/27/13	1875383270	75:GOOGLE-KIRKLAND	NWC74T,NORTHWEST CONSTRI	0:00:00	10:52:00	32.39	TON	R
12/27/13	1875383277	75:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	11:08:00	31.75	TON	
12/27/13	1875383280	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	11:16:00	29.89	TON	
12/27/13	1875383284	75:GOOGLE-KIRKLAND	NWC56T,NORTHWEST CONSTRI	0:00:00	11:26:00	32.49	TON	R
12/27/13	1875383291	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	11:51:00	33.80	TON	R
12/27/13	1875383294	75:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	11:58:00	33.17	TON	R
12/27/13	1875383296	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	12:07:00	32.07	TON	R
12/27/13	1875383300	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	12:28:00	31.08	TON	
12/27/13	1875383302	75:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	12:39:00	30.98	TON	
12/27/13	1875383306	75:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	13:15:00	33.64	TON	R
12/27/13	1875383307	75:GOOGLE-KIRKLAND	NWC60T,NORTHWEST CONST	12:56:00	13:18:00	34.58	TON	R
12/27/13	1875383309	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	13:28:00	34.52	TON	R
12/27/13	1875383310	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	13:35:00	33.82	TON	R
12/27/13	1875383311	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	13:43:00	30.09	TON	
12/27/13	1875383313	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	13:59:00	31.09	TON	R
12/27/13	1875383314	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	14:07:00	30.57	TON	

12/27/13	1875383316	75:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	14:18:00	30.44	TON
Product Totals	19					Qt	606.25 TON
Order Totals	19					Qt	606.25 TON
Customer Totals	19					Qt	606.25 TON
Grand Total	19					Qty	606.25 TON

Ticket List By Customer\Order\Product



Date From 12/30/2013 To 12/30/2013
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
12/30/13	1875383327	75:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	8:12:00	31.05	TON	
12/30/13	1875383328	75:GOOGLE-KIRKLAND	NWC74T,NORTHWEST CONSTRI	0:00:00	8:21:00	29.46	TON	
12/30/13	1875383332	75:GOOGLE-KIRKLAND	NWC78T,NORTHWEST CONSTRI	0:00:00	8:43:00	29.82	TON	
12/30/13	1875383333	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	8:58:00	30.17	TON	
12/30/13	1875383347	75:GOOGLE-KIRKLAND	NWC56T,NORTHWEST CONSTRI	0:00:00	10:50:00	31.76	TON	R
12/30/13	1875383348	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	10:57:00	31.94	TON	R
12/30/13	1875383358	75:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	12:32:00	34.40	TON	R
12/30/13	1875383359	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	12:42:00	33.09	TON	R
12/30/13	1875383360	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	12:46:00	30.89	TON	
12/30/13	1875383362	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	12:59:00	32.85	TON	R
12/30/13	1875383363	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	13:14:00	35.18	TON	R
12/30/13	1875383365	75:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	13:27:00	34.88	TON	R
12/30/13	1875383367	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	13:39:00	30.61	TON	
12/30/13	1875383368	75:GOOGLE-KIRKLAND	NWC34T,NORTHWEST CONSTRI	0:00:00	13:46:00	35.53	TON	R
12/30/13	1875383370	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	13:51:00	32.93	TON	R
12/30/13	1875383375	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	14:36:00	31.60	TON	
Product Totals	16				Qt	516.16	TON	
Order Totals	16				Qt	516.16	TON	
Customer Totals	16				Qt	516.16	TON	

Ticket List By Customer\Order\Product



Date From 01/02/2014 To 01/02/2014
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
1/2/14	1875383386	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	8:00:00	29.43	TON	
1/2/14	1875383388	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	8:08:00	26.63	TON	
1/2/14	1875383389	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	8:16:00	29.00	TON	
1/2/14	1875383391	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	8:25:00	33.26	TON	R
1/2/14	1875383393	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	8:31:00	29.90	TON	
1/2/14	1875383398	75:GOOGLE-KIRKLAND	NWC75T,NORTHWEST CONSTRI	0:00:00	8:50:00	30.44	TON	
1/2/14	1875383400	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	8:52:00	29.77	TON	
1/2/14	1875383403	75:GOOGLE-KIRKLAND	NWC70T,NORTHWEST CONSTRI	0:00:00	9:16:00	29.99	TON	R
1/2/14	1875383407	75:GOOGLE-KIRKLAND	NWC78T,NORTHWEST CONSTRI	0:00:00	9:26:00	29.34	TON	
1/2/14	1875383408	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	9:37:00	31.13	TON	
1/2/14	1875383411	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	9:47:00	28.61	TON	
1/2/14	1875383412	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	9:51:00	29.85	TON	
1/2/14	1875383413	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	9:58:00	31.12	TON	
1/2/14	1875383416	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	10:27:00	32.29	TON	R
1/2/14	1875383418	75:GOOGLE-KIRKLAND	NWC70T,NORTHWEST CONSTRI	0:00:00	10:48:00	29.72	TON	R
1/2/14	1875383419	75:GOOGLE-KIRKLAND	NWC74T,NORTHWEST CONSTRI	0:00:00	10:57:00	29.98	TON	
1/2/14	1875383425	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	11:12:00	28.93	TON	
1/2/14	1875383428	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	11:20:00	27.90	TON	

1/2/14	1875383429	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	11:25:00	28.33	TON
1/2/14	1875383431	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	11:34:00	28.81	TON
1/2/14	1875383434	75:GOOGLE-KIRKLAND	NWC57T,NORTHWEST CONST	0:00:00	12:04:00	28.31	TON
1/2/14	1875383435	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	12:17:00	27.70	TON
1/2/14	1875383437	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	12:24:00	29.43	TON
1/2/14	1875383440	75:GOOGLE-KIRKLAND	NWC78T,NORTHWEST CONSTRI	0:00:00	12:35:00	28.14	TON
1/2/14	1875383441	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	12:39:00	29.31	TON
1/2/14	1875383443	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	12:49:00	28.61	TON
1/2/14	1875383445	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	12:58:00	27.79	TON
1/2/14	1875383447	75:GOOGLE-KIRKLAND	NWC57T,NORTHWEST CONST	0:00:00	13:37:00	28.79	TON
1/2/14	1875383449	75:GOOGLE-KIRKLAND	NWC34T,NORTHWEST CONSTRI	0:00:00	13:50:00	28.73	TON
1/2/14	1875383451	75:GOOGLE-KIRKLAND	NWC78T,NORTHWEST CONSTRI	0:00:00	14:03:00	27.91	TON
1/2/14	1875383452	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	14:19:00	28.07	TON
1/2/14	1875383453	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	14:44:00	28.56	TON
Product Totals	32				Qt	935.78	TON
Order Totals	32				Qt	935.78	TON
Customer Totals	32				Qt	935.78	TON
Grand Total	32				Qty	935.78	TON

Ticket List By Customer\Order\Product



Date From 01/03/2014 To 01/03/2014
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
1/3/14	1875383456	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	7:02:00	29.89	TON	
1/3/14	1875383459	75:GOOGLE-KIRKLAND	NWC39T,NORTHWEST CONSTRI	0:00:00	8:04:00	29.78	TON	
1/3/14	1875383464	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	8:41:00	30.23	TON	
1/3/14	1875383466	75:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	8:52:00	34.04	TON	R
1/3/14	1875383467	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	9:01:00	30.04	TON	
1/3/14	1875383469	75:GOOGLE-KIRKLAND	R29T,RIVERSIDE S&G	0:00:00	9:11:00	27.99	TON	
1/3/14	1875383470	75:GOOGLE-KIRKLAND	NWC57T,NORTHWEST CONST	0:00:00	9:19:00	28.98	TON	
1/3/14	1875383471	75:GOOGLE-KIRKLAND	NWC36T,NORTHWEST CONSTRI	0:00:00	9:27:00	27.94	TON	
1/3/14	1875383473	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	9:39:00	29.17	TON	
1/3/14	1875383474	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	9:51:00	32.57	TON	R
1/3/14	1875383478	75:GOOGLE-KIRKLAND	HAY6T,HAYTER TRUCKING	0:00:00	10:09:00	34.98	TON	
1/3/14	1875383479	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	10:23:00	33.31	TON	R
1/3/14	1875383480	75:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	10:39:00	35.25	TON	R
1/3/14	1875383481	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	10:48:00	31.52	TON	
1/3/14	1875383482	75:GOOGLE-KIRKLAND	R29T,RIVERSIDE S&G	0:00:00	10:57:00	31.67	TON	
1/3/14	1875383483	75:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	11:10:00	33.41	TON	R
1/3/14	1875383488	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	11:34:00	32.81	TON	R
1/3/14	1875383489	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	11:38:00	32.63	TON	R

1/3/14	1875383492	75:GOOGLE-KIRKLAND	HAY6T,HAYTER TRUCKING	0:00:00	11:50:00	33.34	TON	R
1/3/14	1875383494	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	11:58:00	34.55	TON	R
1/3/14	1875383498	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	12:26:00	32.15	TON	R
1/3/14	1875383499	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	12:35:00	31.76	TON	R
Product Totals	22					Qt	698.01	TON
Order Totals	22					Qt	698.01	TON
Customer Totals	22					Qt	698.01	TON
Grand Total	22					Qty	698.01	TON

Ticket List By Customer\Order\Product



Date From 01/06/2014 To 01/06/2014
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
1/6/14	1875383519	75:GOOGLE-KIRKLAND	NWC70T,NORTHWEST CONSTRI	0:00:00	8:21:00	36.51	TON	R
1/6/14	1875383524	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	8:29:00	35.03	TON	R
1/6/14	1875383525	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	8:34:00	34.51	TON	R
1/6/14	1875383527	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	8:40:00	34.21	TON	R
1/6/14	1875383528	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	8:50:00	34.76	TON	R
1/6/14	1875383531	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	8:56:00	34.43	TON	R
1/6/14	1875383541	75:GOOGLE-KIRKLAND	NWC70T,NORTHWEST CONSTRI	0:00:00	10:03:00	31.76	TON	R
1/6/14	1875383545	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	10:12:00	32.56	TON	R
1/6/14	1875383546	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	10:16:00	32.60	TON	R
1/6/14	1875383547	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	10:18:00	32.73	TON	R
1/6/14	1875383550	75:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	10:30:00	33.85	TON	R
1/6/14	1875383552	75:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	10:39:00	36.81	TON	R
1/6/14	1875383558	75:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	10:56:00	31.51	TON	
1/6/14	1875383561	75:GOOGLE-KIRKLAND	NWC74T,NORTHWEST CONSTRI	0:00:00	11:18:00	32.87	TON	R
1/6/14	1875383566	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	11:31:00	31.66	TON	
1/6/14	1875383568	75:GOOGLE-KIRKLAND	NWC70T,NORTHWEST CONSTRI	0:00:00	11:42:00	32.43	TON	R
1/6/14	1875383569	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	11:51:00	34.76	TON	R
1/6/14	1875383570	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	11:59:00	30.70	TON	

1/6/14	1875383572	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	12:08:00	30.24	TON
1/6/14	1875383576	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	12:37:00	31.41	TON
1/6/14	1875383584	75:GOOGLE-KIRKLAND	NWC74T,NORTHWEST CONSTRI	0:00:00	13:04:00	29.67	TON
1/6/14	1875383586	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	13:23:00	31.16	TON
1/6/14	1875383587	75:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	13:34:00	29.23	TON
1/6/14	1875383590	75:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	13:44:00	31.05	TON
Product Totals	24				Qt	786.45	TON
Order Totals	24				Qt	786.45	TON
Customer Totals	24				Qt	786.45	TON
Grand Total	24				Qty	786.45	TON

Ticket List By Customer\Order\Product



Date From 01/07/2014 To 01/07/2014
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
1/7/14	1875383612	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	8:06:00	36.29	TON	R
1/7/14	1875383613	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	8:10:00	32.28	TON	R
1/7/14	1875383614	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	8:20:00	31.83	TON	
1/7/14	1875383615	75:GOOGLE-KIRKLAND	NWC77T,NORTHWEST CONSTRI	0:00:00	8:28:00	30.49	TON	
1/7/14	1875383617	75:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	8:41:00	31.16	TON	
1/7/14	1875383619	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	8:50:00	31.39	TON	R
1/7/14	1875383621	75:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	9:02:00	31.33	TON	
1/7/14	1875383627	75:GOOGLE-KIRKLAND	NWC39T,NORTHWEST CONSTRI	0:00:00	9:16:00	29.97	TON	
1/7/14	1875383628	75:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	9:28:00	0.00	TON	R
1/7/14	1875383632	75:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	9:48:00	28.71	TON	
1/7/14	1875383641	75:GOOGLE-KIRKLAND	NWC58T,NORTHWEST CONST	0:00:00	10:11:00	30.35	TON	
1/7/14	1875383643	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	10:14:00	30.38	TON	
1/7/14	1875383648	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	10:25:00	28.90	TON	
1/7/14	1875383652	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	10:36:00	31.25	TON	
1/7/14	1875383655	75:GOOGLE-KIRKLAND	NWC35T,NORTHWEST CONSTRI	0:00:00	10:45:00	31.93	TON	
1/7/14	1875383656	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	10:49:00	28.72	TON	
1/7/14	1875383658	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	10:59:00	28.76	TON	
1/7/14	1875383661	75:GOOGLE-KIRKLAND	NWC39T,NORTHWEST CONSTRI	0:00:00	11:20:00	31.06	TON	

1/7/14	1875383662	75:GOOGLE-KIRKLAND	NWC76T,NORTHWEST CONSTRI	0:00:00	11:26:00	31.10	TON	
1/7/14	1875383665	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	11:37:00	33.07	TON	R
1/7/14	1875383670	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	11:50:00	32.90	TON	R
1/7/14	1875383671	75:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	12:00:00	30.40	TON	
1/7/14	1875383672	75:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	12:06:00	31.55	TON	
1/7/14	1875383676	75:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	12:33:00	32.39	TON	R
1/7/14	1875383677	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	12:44:00	30.06	TON	
1/7/14	1875383680	75:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	12:59:00	31.32	TON	
1/7/14	1875383683	75:GOOGLE-KIRKLAND	NWC58T,NORTHWEST CONST	0:00:00	13:18:00	29.45	TON	
1/7/14	1875383686	75:GOOGLE-KIRKLAND	NWC38T,NORTHWEST CONSTRI	0:00:00	13:35:00	31.93	TON	R
1/7/14	1875383693	75:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	14:18:00	28.95	TON	
Product Totals	29					Qt	867.92	TON
Order Totals	29					Qt	867.92	TON
Customer Totals	29					Qt	867.92	TON
Grand Total	29					Qty	867.92	TON

Ticket List By Customer\Order\Product



Date From 01/08/2014 To 01/08/2014
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets SRMK II LLC 40947400 1192506								
1/8/14	1875383706	75:GOOGLE-KIRKLAND	NWC56T,NORTHWEST CONSTRI	0:00:00	8:06:00	30.67	TON	
1/8/14	1875383707	75:GOOGLE-KIRKLAND	NWC60T,NORTHWEST CONST	0:00:00	8:11:00	34.30	TON	R
1/8/14	1875383709	75:GOOGLE-KIRKLAND	NWC39T,NORTHWEST CONSTRI	0:00:00	8:24:00	30.17	TON	
1/8/14	1875383710	75:GOOGLE-KIRKLAND	NWC52T,NORTHWEST CONSTRI	0:00:00	8:31:00	32.71	TON	R
1/8/14	1875383714	75:GOOGLE-KIRKLAND	NWC51T,NORTHWEST CONSTRI	0:00:00	8:46:00	29.42	TON	
1/8/14	1875383715	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	8:49:00	33.17	TON	R
1/8/14	1875383717	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	9:00:00	34.40	TON	R
1/8/14	1875383718	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	9:02:00	32.33	TON	R
1/8/14	1875383722	75:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	9:21:00	33.49	TON	R
1/8/14	1875383723	75:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	9:27:00	31.31	TON	
1/8/14	1875383727	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	9:58:00	31.28	TON	
1/8/14	1875383729	75:GOOGLE-KIRKLAND	NWC56T,NORTHWEST CONSTRI	0:00:00	10:10:00	30.89	TON	
1/8/14	1875383731	75:GOOGLE-KIRKLAND	NWC60T,NORTHWEST CONST	0:00:00	10:14:00	32.05	TON	
1/8/14	1875383734	75:GOOGLE-KIRKLAND	NWC50T,NORTHWEST CONSTRI	0:00:00	10:29:00	31.07	TON	
1/8/14	1875383735	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	10:34:00	28.71	TON	
1/8/14	1875383737	75:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	10:56:00	34.35	TON	R
1/8/14	1875383739	75:GOOGLE-KIRKLAND	NWC77T,NORTHWEST CONSTRI	0:00:00	11:11:00	32.55	TON	R
1/8/14	1875383742	75:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	11:23:00	31.78	TON	

1/8/14	1875383745	75:GOOGLE-KIRKLAND	NWC56T,NORTHWEST CONSTRI	0:00:00	11:45:00	30.90	TON	
1/8/14	1875383746	75:GOOGLE-KIRKLAND	NWC60T,NORTHWEST CONST	0:00:00	11:53:00	32.66	TON	R
1/8/14	1875383749	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	12:08:00	33.64	TON	R
1/8/14	1875383750	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	12:14:00	30.56	TON	
1/8/14	1875383753	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	12:25:00	32.64	TON	R
1/8/14	1875383756	75:GOOGLE-KIRKLAND	NWC41T,NORTHWEST CONSTRI	0:00:00	12:47:00	36.95	TON	R
1/8/14	1875383759	75:GOOGLE-KIRKLAND	NWC45T,NORTHWEST CONSTRI	0:00:00	12:57:00	36.37	TON	R
1/8/14	1875383760	75:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	13:16:00	31.61	TON	
1/8/14	1875383762	75:GOOGLE-KIRKLAND	NWC60T,NORTHWEST CONST	0:00:00	13:32:00	32.21	TON	
1/8/14	1875383765	75:GOOGLE-KIRKLAND	NWC56T,NORTHWEST CONSTRI	0:00:00	13:43:00	30.98	TON	
1/8/14	1875383767	75:GOOGLE-KIRKLAND	NWC42T,NORTHWEST CONSTRI	0:00:00	13:48:00	30.84	TON	
1/8/14	1875383769	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	13:59:00	31.39	TON	
1/8/14	1875383771	75:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	14:35:00	30.39	TON	
1/8/14	1875383772	75:GOOGLE-KIRKLAND	NWC52T,NORTHWEST CONSTRI	0:00:00	14:46:00	32.72	TON	R
Product Totals	32					Qt	1,028.51	TON
Order Totals	32					Qt	1,028.51	TON
Customer Totals	32					Qt	1,028.51	TON
Grand Total	32					Qty	1,028.51	TON

Ticket List By Customer\Order\Product



Date From 01/09/2014 To 01/09/2014
 Location(s) 1875
 Order: 40947400

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets								
SRMK II LLC								
40947400								
1192506								
1/9/14	1875383783	75:GOOGLE-KIRKLAND	NWC60T,NORTHWEST CONST	0:00:00	7:54:00	38.62	TON	R
1/9/14	1875383784	75:GOOGLE-KIRKLAND	NWC43T,NORTHWEST CONSTRI	0:00:00	7:56:00	36.79	TON	R
1/9/14	1875383785	75:GOOGLE-KIRKLAND	NWC70T,NORTHWEST CONSTRI	0:00:00	8:05:00	34.04	TON	R
1/9/14	1875383786	75:GOOGLE-KIRKLAND	NWC56T,NORTHWEST CONSTRI	0:00:00	8:14:00	35.69	TON	R
1/9/14	1875383787	75:GOOGLE-KIRKLAND	NWC53T,NORTHWEST CONSTRI	0:00:00	8:21:00	32.58	TON	R
1/9/14	1875383790	75:GOOGLE-KIRKLAND	NWC71T,NORTHWEST CONSTRI	0:00:00	8:33:00	32.20	TON	R
1/9/14	1875383792	75:GOOGLE-KIRKLAND	NWC33T,NORTHWEST CONSTRI	0:00:00	8:37:00	33.55	TON	R
1/9/14	1875383794	75:GOOGLE-KIRKLAND	NWC79T,NORTHWEST CONSTRI	0:00:00	8:45:00	30.30	TON	
Product Totals						8		
Order Totals						8		
Customer Totals						8		
Grand Total						8		
						Qty	273.77	TON
						Qt	273.77	TON
						Qt	273.77	TON
						Qt	273.77	TON
						Qty	273.77	TON



Ticket List By Customer\Order\Product



Date From 01/28/2014 To 01/28/2014
 Location(s) 1876
 Order: 40947399

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship
Scale Tickets								
SRMK II LLC								
40947399								
1192508								
1/28/14	1876069888	76:GOOGLE-KIRKLAND	NWC48T,NORTHWEST CONSTRI	0:00:00	9:32:00	32.69	TON	R
1/28/14	1876069889	76:GOOGLE-KIRKLAND	NWC36T,NORTHWEST CONSTRI	0:00:00	9:39:00	33.06	TON	
1/28/14	1876069891	76:GOOGLE-KIRKLAND	NWC39T,NORTHWEST CONSTRI	0:00:00	9:49:00	31.83	TON	R
1/28/14	1876069894	76:GOOGLE-KIRKLAND	GW13T,GREAT WESTERN	0:00:00	10:26:00	30.67	TON	
1/28/14	1876069895	76:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	10:31:00	34.79	TON	R
Product Totals	5				Qt	163.04	TON	
Order Totals	5				Qt	163.04	TON	
Customer Totals	5				Qt	163.04	TON	
Grand Total	5				Qty	163.04	TON	



Ticket List By Customer\Order\Product



Date From 01/30/2014 To 01/30/2014
 Location(s) 1876
 Order: 40947399

Date	TicketNo	Delivery Address	Vehicle	TimeIn	TicketTime	Qty	Unit	Ship	
Scale Tickets									
SRMK II LLC									
40947399									
1192508									
1/30/14	1876069966	76:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	12:15:00	38.80	TON	R	
1/30/14	1876069967	76:GOOGLE-KIRKLAND	NWC40T,NORTHWEST CONSTRI	0:00:00	12:19:00	35.75	TON	R	
1/30/14	1876069970	76:GOOGLE-KIRKLAND	NWC47T,NORTHWEST CONSTRI	0:00:00	12:32:00	38.53	TON	R	
1/30/14	1876069972	76:GOOGLE-KIRKLAND	NWC80T,NORTHWEST CONSTRI	0:00:00	12:43:00	37.06	TON	R	
1/30/14	1876069975	76:GOOGLE-KIRKLAND	C17-8T HAYTER TRUCKING	12:34:00	12:53:00	28.98	TON	R	
1/30/14	1876069980	76:GOOGLE-KIRKLAND	NWC46T,NORTHWEST CONSTRI	0:00:00	14:00:00	31.56	TON		
Product Totals						6	Qt	210.68	TON
Order Totals						6	Qt	210.68	TON
Customer Totals						6	Qt	210.68	TON
Grand Total						6	Qty	210.68	TON

APPENDIX C

LABORATORY ANALYTICAL REPORTS



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Kelly Rankich
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Pace/Google II
Lab ID: 1311201

November 20, 2013

Attention Kelly Rankich:

Fremont Analytical, Inc. received 19 sample(s) on 11/18/2013 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal



Date: 11/20/2013

CLIENT: PES Environmental, Inc.
Project: Pace/Google II
Lab Order: 1311201

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1311201-001	Trip Blank	10/16/2013 3:03 PM	11/18/2013 3:03 PM
1311201-002	Area 4-Base1-3	11/18/2013 9:30 AM	11/18/2013 3:03 PM
1311201-003	Area 4-Base2-3	11/18/2013 9:33 AM	11/18/2013 3:03 PM
1311201-004	Area 4-SSW1-2	11/18/2013 9:43 AM	11/18/2013 3:03 PM
1311201-005	Area 4-ESW1-2	11/18/2013 9:50 AM	11/18/2013 3:03 PM
1311201-006	Area 4-WSW1-2	11/18/2013 9:55 AM	11/18/2013 3:03 PM
1311201-007	Area 4-NSW1-2	11/18/2013 10:00 AM	11/18/2013 3:03 PM
1311201-008	Area 5-NSW1-1	11/18/2013 10:45 AM	11/18/2013 3:03 PM
1311201-009	Area 5-WSW1-1	11/18/2013 10:50 AM	11/18/2013 3:03 PM
1311201-010	Area 5-SSW1-1	11/18/2013 10:55 AM	11/18/2013 3:03 PM
1311201-011	Area 5-ESW1-1	11/18/2013 11:05 AM	11/18/2013 3:03 PM
1311201-012	Area 5-Base1-2	11/18/2013 11:09 AM	11/18/2013 3:03 PM
1311201-013	Area 5-Base2-2	11/18/2013 11:14 AM	11/18/2013 3:03 PM
1311201-014	Area 6-WSW1-.5	11/18/2013 12:50 PM	11/18/2013 3:03 PM
1311201-015	Area 6-SSW1-.5	11/18/2013 12:30 PM	11/18/2013 3:03 PM
1311201-016	Area 6-ESW1-.5	11/18/2013 12:35 PM	11/18/2013 3:03 PM
1311201-017	Area 6-NSW1-.5	11/18/2013 12:45 PM	11/18/2013 3:03 PM
1311201-018	Area 6-Base1-1.5	11/18/2013 12:55 PM	11/18/2013 3:03 PM
1311201-019	Area 6-Base2-1.5	11/18/2013 1:00 PM	11/18/2013 3:03 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.**Project:** Pace/Google II

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.



CLIENT: PES Environmental, Inc.

Project: Pace/Google II

Lab ID: 1311201-001

Collection Date: 10/16/2013 3:03:00 PM

Client Sample ID: Trip Blank

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5916

Analyst: GH

Toluene	ND	0.0200	H	mg/Kg	1	11/20/2013 7:19:00 AM
m,p-Xylene	ND	0.0200	H	mg/Kg	1	11/20/2013 7:19:00 AM
o-Xylene	ND	0.0200	H	mg/Kg	1	11/20/2013 7:19:00 AM
Surr: Dibromofluoromethane	105	63.7-129	H	%REC	1	11/20/2013 7:19:00 AM
Surr: Toluene-d8	113	61.4-128	H	%REC	1	11/20/2013 7:19:00 AM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141	H	%REC	1	11/20/2013 7:19:00 AM

Lab ID: 1311201-002

Collection Date: 11/18/2013 9:30:00 AM

Client Sample ID: Area 4-Base1-3

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5900

Analyst: GH

m,p-Xylene	ND	0.0258		mg/Kg-dry	1	11/19/2013 12:40:00 PM
o-Xylene	ND	0.0258		mg/Kg-dry	1	11/19/2013 12:40:00 PM
Surr: Dibromofluoromethane	104	63.7-129		%REC	1	11/19/2013 12:40:00 PM
Surr: Toluene-d8	104	61.4-128		%REC	1	11/19/2013 12:40:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/19/2013 12:40:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11151

Analyst: JS

Percent Moisture	23.3			wt%	1	11/19/2013 2:37:03 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311201

Date Reported: 11/20/2013

CLIENT: PES Environmental, Inc.

Project: Pace/Google II

Lab ID: 1311201-003

Collection Date: 11/18/2013 9:33:00 AM

Client Sample ID: Area 4-Base2-3

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5900

Analyst: GH

m,p-Xylene	ND	0.0249		mg/Kg-dry	1	11/19/2013 2:03:00 PM
o-Xylene	ND	0.0249		mg/Kg-dry	1	11/19/2013 2:03:00 PM
Surr: Dibromofluoromethane	104	63.7-129		%REC	1	11/19/2013 2:03:00 PM
Surr: Toluene-d8	106	61.4-128		%REC	1	11/19/2013 2:03:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/19/2013 2:03:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11151

Analyst: JS

Percent Moisture	22.8			wt%	1	11/19/2013 2:37:03 PM
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Lab ID: 1311201-004

Collection Date: 11/18/2013 9:43:00 AM

Client Sample ID: Area 4-SSW1-2

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5900

Analyst: GH

m,p-Xylene	ND	0.0209		mg/Kg-dry	1	11/19/2013 2:58:00 PM
o-Xylene	ND	0.0209		mg/Kg-dry	1	11/19/2013 2:58:00 PM
Surr: Dibromofluoromethane	104	63.7-129		%REC	1	11/19/2013 2:58:00 PM
Surr: Toluene-d8	104	61.4-128		%REC	1	11/19/2013 2:58:00 PM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	11/19/2013 2:58:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11151

Analyst: JS

Percent Moisture	15.6			wt%	1	11/19/2013 2:37:03 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311201

Date Reported: 11/20/2013

CLIENT: PES Environmental, Inc.

Project: Pace/Google II

Lab ID: 1311201-005

Collection Date: 11/18/2013 9:50:00 AM

Client Sample ID: Area 4-ESW1-2

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5900

Analyst: GH

m,p-Xylene	ND	0.0229		mg/Kg-dry	1	11/19/2013 3:25:00 PM
o-Xylene	ND	0.0229		mg/Kg-dry	1	11/19/2013 3:25:00 PM
Surr: Dibromofluoromethane	104	63.7-129		%REC	1	11/19/2013 3:25:00 PM
Surr: Toluene-d8	105	61.4-128		%REC	1	11/19/2013 3:25:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/19/2013 3:25:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11151

Analyst: JS

Percent Moisture	22.0			wt%	1	11/19/2013 2:37:03 PM
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Lab ID: 1311201-006

Collection Date: 11/18/2013 9:55:00 AM

Client Sample ID: Area 4-WSW1-2

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5900

Analyst: GH

m,p-Xylene	ND	0.0285		mg/Kg-dry	1	11/19/2013 3:53:00 PM
o-Xylene	ND	0.0285		mg/Kg-dry	1	11/19/2013 3:53:00 PM
Surr: Dibromofluoromethane	104	63.7-129		%REC	1	11/19/2013 3:53:00 PM
Surr: Toluene-d8	104	61.4-128		%REC	1	11/19/2013 3:53:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/19/2013 3:53:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11151

Analyst: JS

Percent Moisture	26.2			wt%	1	11/19/2013 2:37:03 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311201
Date Reported: 11/20/2013

CLIENT: PES Environmental, Inc.
Project: Pace/Google II

Lab ID: 1311201-007 **Collection Date:** 11/18/2013 10:00:00 AM
Client Sample ID: Area 4-NSW1-2 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260</u>			Batch ID: 5900		Analyst: GH	
m,p-Xylene	ND	0.0263		mg/Kg-dry	1	11/19/2013 4:21:00 PM
o-Xylene	ND	0.0263		mg/Kg-dry	1	11/19/2013 4:21:00 PM
Surr: Dibromofluoromethane	105	63.7-129		%REC	1	11/19/2013 4:21:00 PM
Surr: Toluene-d8	105	61.4-128		%REC	1	11/19/2013 4:21:00 PM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	11/19/2013 4:21:00 PM

<u>Sample Moisture (Percent Moisture)</u>			Batch ID: R11151		Analyst: JS	
Percent Moisture	24.9			wt%	1	11/19/2013 2:37:03 PM

Lab ID: 1311201-008 **Collection Date:** 11/18/2013 10:45:00 AM
Client Sample ID: Area 5-NSW1-1 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260</u>			Batch ID: 5900		Analyst: GH	
Toluene	ND	0.0236		mg/Kg-dry	1	11/19/2013 4:48:00 PM
Surr: Dibromofluoromethane	105	63.7-129		%REC	1	11/19/2013 4:48:00 PM
Surr: Toluene-d8	106	61.4-128		%REC	1	11/19/2013 4:48:00 PM
Surr: 1-Bromo-4-fluorobenzene	105	63.1-141		%REC	1	11/19/2013 4:48:00 PM

<u>Sample Moisture (Percent Moisture)</u>			Batch ID: R11151		Analyst: JS	
Percent Moisture	17.1			wt%	1	11/19/2013 2:37:03 PM

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



Analytical Report

WO#: 1311201
Date Reported: 11/20/2013

CLIENT: PES Environmental, Inc.
Project: Pace/Google II

Lab ID: 1311201-009 **Collection Date:** 11/18/2013 10:50:00 AM
Client Sample ID: Area 5-WSW1-1 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260</u>					Batch ID: 5900	Analyst: GH
Toluene	ND	0.0234		mg/Kg-dry	1	11/19/2013 5:16:00 PM
Surr: Dibromofluoromethane	103	63.7-129		%REC	1	11/19/2013 5:16:00 PM
Surr: Toluene-d8	105	61.4-128		%REC	1	11/19/2013 5:16:00 PM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	11/19/2013 5:16:00 PM

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R11151	Analyst: JS
Percent Moisture	19.6			wt%	1	11/19/2013 2:37:03 PM

Lab ID: 1311201-010 **Collection Date:** 11/18/2013 10:55:00 AM
Client Sample ID: Area 5-SSW1-1 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260</u>					Batch ID: 5900	Analyst: GH
Toluene	ND	0.0230		mg/Kg-dry	1	11/19/2013 5:43:00 PM
Surr: Dibromofluoromethane	105	63.7-129		%REC	1	11/19/2013 5:43:00 PM
Surr: Toluene-d8	106	61.4-128		%REC	1	11/19/2013 5:43:00 PM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	11/19/2013 5:43:00 PM

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R11151	Analyst: JS
Percent Moisture	21.7			wt%	1	11/19/2013 2:37:03 PM

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



Analytical Report

WO#: 1311201
Date Reported: 11/20/2013

CLIENT: PES Environmental, Inc.
Project: Pace/Google II

Lab ID: 1311201-011 **Collection Date:** 11/18/2013 11:05:00 AM
Client Sample ID: Area 5-ESW1-1 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260</u>			Batch ID: 5900		Analyst: GH	
Toluene	ND	0.0230		mg/Kg-dry	1	11/19/2013 6:11:00 PM
Surr: Dibromofluoromethane	105	63.7-129		%REC	1	11/19/2013 6:11:00 PM
Surr: Toluene-d8	106	61.4-128		%REC	1	11/19/2013 6:11:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/19/2013 6:11:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>			Batch ID: R11151		Analyst: JS	
Percent Moisture	16.8			wt%	1	11/19/2013 2:37:03 PM

Lab ID: 1311201-012 **Collection Date:** 11/18/2013 11:09:00 AM
Client Sample ID: Area 5-Base1-2 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260</u>			Batch ID: 5900		Analyst: GH	
Toluene	ND	0.0222		mg/Kg-dry	1	11/19/2013 6:38:00 PM
Surr: Dibromofluoromethane	106	63.7-129		%REC	1	11/19/2013 6:38:00 PM
Surr: Toluene-d8	106	61.4-128		%REC	1	11/19/2013 6:38:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/19/2013 6:38:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>			Batch ID: R11151		Analyst: JS	
Percent Moisture	16.4			wt%	1	11/19/2013 2:37:03 PM

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



Analytical Report

WO#: 1311201
Date Reported: 11/20/2013

CLIENT: PES Environmental, Inc.
Project: Pace/Google II

Lab ID: 1311201-013 **Collection Date:** 11/18/2013 11:14:00 AM
Client Sample ID: Area 5-Base2-2 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260</u>					Batch ID: 5900	Analyst: GH
Toluene	ND	0.0239		mg/Kg-dry	1	11/19/2013 7:06:00 PM
Surr: Dibromofluoromethane	106	63.7-129		%REC	1	11/19/2013 7:06:00 PM
Surr: Toluene-d8	106	61.4-128		%REC	1	11/19/2013 7:06:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/19/2013 7:06:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R11151	Analyst: JS
Percent Moisture	16.7			wt%	1	11/19/2013 2:37:03 PM

Lab ID: 1311201-014 **Collection Date:** 11/18/2013 12:50:00 PM
Client Sample ID: Area 6-WSW1-.5 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 5893	Analyst: JY
Heavy Oil	104	54.6		mg/Kg-dry	1	11/19/2013 11:17:00 AM
Surr: 2-Fluorobiphenyl	108	50-150		%REC	1	11/19/2013 11:17:00 AM
Surr: o-Terphenyl	108	50-150		%REC	1	11/19/2013 11:17:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R11151	Analyst: JS
Percent Moisture	14.9			wt%	1	11/19/2013 2:37:03 PM

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: PES Environmental, Inc.
Project: Pace/Google II

Lab ID: 1311201-015

Collection Date: 11/18/2013 12:30:00 PM

Client Sample ID: Area 6-SSW1-.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5893 Analyst: JY

Heavy Oil	ND	70.7		mg/Kg-dry	1	11/19/2013 11:45:00 AM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	11/19/2013 11:45:00 AM
Surr: o-Terphenyl	106	50-150		%REC	1	11/19/2013 11:45:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11151 Analyst: JS

Percent Moisture	24.0			wt%	1	11/19/2013 2:37:03 PM
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Lab ID: 1311201-016

Collection Date: 11/18/2013 12:35:00 PM

Client Sample ID: Area 6-ESW1-.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5893 Analyst: JY

Heavy Oil	ND	58.1		mg/Kg-dry	1	11/19/2013 12:12:00 PM
Surr: 2-Fluorobiphenyl	104	50-150		%REC	1	11/19/2013 12:12:00 PM
Surr: o-Terphenyl	105	50-150		%REC	1	11/19/2013 12:12:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11151 Analyst: JS

Percent Moisture	11.5			wt%	1	11/19/2013 2:37:03 PM
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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



Analytical Report

WO#: 1311201
Date Reported: 11/20/2013

CLIENT: PES Environmental, Inc.
Project: Pace/Google II

Lab ID: 1311201-017 **Collection Date:** 11/18/2013 12:45:00 PM
Client Sample ID: Area 6-NSW1-.5 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 5893		Analyst: JY
Heavy Oil	ND	57.5		mg/Kg-dry	1	11/19/2013 12:39:00 PM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	11/19/2013 12:39:00 PM
Surr: o-Terphenyl	105	50-150		%REC	1	11/19/2013 12:39:00 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R11151		Analyst: JS
Percent Moisture	10.6			wt%	1	11/19/2013 2:37:03 PM

Lab ID: 1311201-018 **Collection Date:** 11/18/2013 12:55:00 PM
Client Sample ID: Area 6-Base1-1.5 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 5893		Analyst: JY
Heavy Oil	64.7	59.5		mg/Kg-dry	1	11/19/2013 1:07:00 PM
Surr: 2-Fluorobiphenyl	107	50-150		%REC	1	11/19/2013 1:07:00 PM
Surr: o-Terphenyl	108	50-150		%REC	1	11/19/2013 1:07:00 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R11151		Analyst: JS
Percent Moisture	20.2			wt%	1	11/19/2013 2:37:03 PM

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: PES Environmental, Inc.

Project: Pace/Google II

Lab ID: 1311201-019

Collection Date: 11/18/2013 1:00:00 PM

Client Sample ID: Area 6-Base2-1.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5893

Analyst: JY

Heavy Oil	127	59.9		mg/Kg-dry	1	11/19/2013 1:34:00 PM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	11/19/2013 1:34:00 PM
Surr: o-Terphenyl	106	50-150		%REC	1	11/19/2013 1:34:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11151

Analyst: JS

Percent Moisture	19.2			wt%	1	11/19/2013 2:37:03 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1311201
CLIENT: PES Environmental, Inc.
Project: Pace/Google II

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1311194-005ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/18/2013	RunNo: 11179							
Client ID: BATCH	Batch ID: 5893		Analysis Date: 11/19/2013	SeqNo: 223114							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Heavy Oil	ND	52.9						0		30	
Surr: 2-Fluorobiphenyl	22.4		21.17		106	50	150		0		
Surr: o-Terphenyl	22.8		21.17		107	50	150		0		

Sample ID: CCV-A-OIL-5893	SampType: CCV	Units: mg/Kg	Prep Date: 11/19/2013	RunNo: 11179							
Client ID: CCV	Batch ID: 5893		Analysis Date: 11/19/2013	SeqNo: 223127							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Heavy Oil	960	50.0	1,000	0	96.0	80	120				
Surr: 2-Fluorobiphenyl	21.4		20.00		107	50	150				
Surr: o-Terphenyl	20.0		20.00		99.8	50	150				

Sample ID: CCV-C-OIL-5893	SampType: CCV	Units: mg/Kg	Prep Date: 11/19/2013	RunNo: 11179							
Client ID: CCV	Batch ID: 5893		Analysis Date: 11/19/2013	SeqNo: 223129							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Heavy Oil	954	50.0	1,000	0	95.4	80	120				
Surr: 2-Fluorobiphenyl	21.4		20.00		107	50	150				
Surr: o-Terphenyl	21.2		20.00		106	50	150				

Sample ID: MB-5893	SampType: MBLK	Units: mg/Kg	Prep Date: 11/18/2013	RunNo: 11179							
Client ID: MBLKS	Batch ID: 5893		Analysis Date: 11/19/2013	SeqNo: 223131							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	21.7		20.00		108	50	150				
Surr: o-Terphenyl	21.4		20.00		107	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311201
CLIENT: PES Environmental, Inc.
Project: Pace/Google II

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-5893	SampType: MBLK	Units: mg/Kg	Prep Date: 11/18/2013	RunNo: 11179							
Client ID: MBLKS	Batch ID: 5893		Analysis Date: 11/19/2013	SeqNo: 223131							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits	D Dilution was required J Analyte detected below quantitation limits RL Reporting Limit	E Value above quantitation range ND Not detected at the Reporting Limit S Spike recovery outside accepted recovery limits
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Work Order: 1311201
CLIENT: PES Environmental, Inc.
Project: Pace/Google II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311207-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/19/2013	RunNo: 11149							
Client ID: BATCH	Batch ID: 5900		Analysis Date: 11/19/2013	SeqNo: 222485							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	0.0184						0		30	
m,p-Xylene	ND	0.0184						0		30	
o-Xylene	ND	0.0184						0		30	
Surr: Dibromofluoromethane	2.60		2.302		113	63.7	129		0		
Surr: Toluene-d8	2.63		2.302		114	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.37		2.302		103	63.1	141		0		

Sample ID: LCS-5900	SampType: LCS	Units: mg/Kg	Prep Date: 11/19/2013	RunNo: 11149							
Client ID: LCSS	Batch ID: 5900		Analysis Date: 11/19/2013	SeqNo: 222495							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0.879	0.0200	1.000	0	87.9	79.9	118				
m,p-Xylene	1.63	0.0200	2.000	0	81.4	79.8	128				
o-Xylene	0.823	0.0200	1.000	0	82.3	72.7	124				
Surr: Dibromofluoromethane	2.62		2.500		105	63.7	129				
Surr: Toluene-d8	2.65		2.500		106	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.52		2.500		101	63.1	141				

Sample ID: MB-5900	SampType: MBLK	Units: mg/Kg	Prep Date: 11/19/2013	RunNo: 11149							
Client ID: MBLKS	Batch ID: 5900		Analysis Date: 11/19/2013	SeqNo: 222496							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	0.0200									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Surr: Dibromofluoromethane	2.57		2.500		103	63.7	129				
Surr: Toluene-d8	2.69		2.500		107	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.52		2.500		101	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311201
CLIENT: PES Environmental, Inc.
Project: Pace/Google II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-5900	SampType: MBLK	Units: mg/Kg	Prep Date: 11/19/2013	RunNo: 11149							
Client ID: MBLKS	Batch ID: 5900		Analysis Date: 11/19/2013	SeqNo: 222496							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 1311201-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/19/2013	RunNo: 11149							
Client ID: Area 4-Base2-3	Batch ID: 5900		Analysis Date: 11/19/2013	SeqNo: 222499							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Toluene	1.47	0.0249	1.246	0	118	63.4	132				
m,p-Xylene	2.74	0.0249	2.492	0	110	53.1	132				
o-Xylene	1.36	0.0249	1.246	0	109	53.3	139				
Surr: Dibromofluoromethane	3.21		3.115		103	63.7	129				
Surr: Toluene-d8	3.32		3.115		107	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	3.15		3.115		101	63.1	141				

Sample ID: 1311218-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/19/2013	RunNo: 11153							
Client ID: BATCH	Batch ID: 5916		Analysis Date: 11/20/2013	SeqNo: 222551							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Toluene	ND	0.0190						0		30	
m,p-Xylene	ND	0.0190						0		30	
o-Xylene	ND	0.0190						0		30	
Surr: Dibromofluoromethane	2.47		2.376		104	63.7	129		0		
Surr: Toluene-d8	2.62		2.376		110	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.42		2.376		102	63.1	141		0		

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311201
CLIENT: PES Environmental, Inc.
Project: Pace/Google II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311218-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/19/2013	RunNo: 11153							
Client ID: BATCH	Batch ID: 5916		Analysis Date: 11/20/2013	SeqNo: 222553							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.16	0.0181	0.9060	0	128	63.4	132				
m,p-Xylene	1.95	0.0181	1.812	0	108	53.1	132				
o-Xylene	1.00	0.0181	0.9060	0	110	53.3	139				
Surr: Dibromofluoromethane	2.36		2.265		104	63.7	129				
Surr: Toluene-d8	2.55		2.265		113	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.32		2.265		102	63.1	141				

Sample ID: LCS-5916	SampType: LCS	Units: mg/Kg	Prep Date: 11/19/2013	RunNo: 11153							
Client ID: LCSS	Batch ID: 5916		Analysis Date: 11/20/2013	SeqNo: 222558							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.16	0.0200	1.000	0	116	79.9	118				
m,p-Xylene	2.08	0.0200	2.000	0	104	79.8	128				
o-Xylene	1.05	0.0200	1.000	0	105	72.7	124				
Surr: Dibromofluoromethane	2.64		2.500		106	63.7	129				
Surr: Toluene-d8	2.71		2.500		108	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.54		2.500		102	63.1	141				

Sample ID: MB-5916	SampType: MBLK	Units: mg/Kg	Prep Date: 11/19/2013	RunNo: 11153							
Client ID: MBLKS	Batch ID: 5916		Analysis Date: 11/20/2013	SeqNo: 222560							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	0.0200									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Surr: Dibromofluoromethane	2.62		2.500		105	63.7	129				
Surr: Toluene-d8	2.66		2.500		107	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.50		2.500		100	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311201
CLIENT: PES Environmental, Inc.
Project: Pace/Google II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-5916	SampType: MBLK	Units: mg/Kg	Prep Date: 11/19/2013	RunNo: 11153							
Client ID: MBLKS	Batch ID: 5916		Analysis Date: 11/20/2013	SeqNo: 222560							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits	D Dilution was required J Analyte detected below quantitation limits RL Reporting Limit	E Value above quantitation range ND Not detected at the Reporting Limit S Spike recovery outside accepted recovery limits
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Client Name: **PES**

 Work Order Number: **1311201**

 Logged by: **Chelsea Ward**

 Date Received: **11/18/2013 3:03:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody seals intact on shipping container/cooler? Yes No Not Required
6. Was an attempt made to cool the samples? Yes No NA
7. Were all coolers received at a temperature of >0°C to 10.0°C? Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is the headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

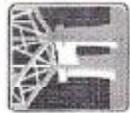
Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

11/20/13: Client requested addition of Trip Blank

Item Information

Item #	Temp °C	Condition
Cooler	6.6	Good
Sample	8.3	Good



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103

Tel: 206-352-3790
Fax: 206-352-7178

Client: RES Environmental Inc.
Address: 1215 4th Ave Suite 1350
City, State, Zip: Seattle WA 98161

Tel: (206) 529-3080
Fax: (206) 529-3885

Reports To (PM): Ramkiran

Email: Kranthi@resenv.com

Project No: 106.08.03.001

Laboratory Project No (Internal): 1311201

Page: 1 of 2

Project Name: Page / Copy 1/2
Location: 500 7th Ave South Kirkland WA 98038 48033
Collected by: Chris DeBoer

Chain of Custody Record

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GC/EPCX BY EPA 8210	Gasoline Range Organics	Hydrocarbon Denaturation (HCD)	SEM VOC (EPA 8270)	PAH (EPA 8270-SM)	PCB (EPA 8210-SM)	Chlorinated (EPA 8081)	Chlorinated (EPA 8151A)	Total (EPA 8210)	Mercury (IC** - Disabled)	Asbestos (IC** - Disabled)	Comments/Depth
1. TRIP BLANK	--	--														
2. Area 4 - Base 1 - 3	11/18/13	0930	Soil													
3. Area 4 - Base 2 - 3		0933														
4. Area 4 - SSW1 - 2		0943														
5. Area 4 - ESW1 - 2		0950														
6. Area 4 - WSW1 - 2		0955														
7. Area 4 - NSW1 - 2		1000														
8. Area 5 - NSW1 - 1		1045														
9. Area 5 - WSW1 - 1		1050														
10. Area 5 - SSW1 - 1		1055														

*Metals Analysis (Circle): MICA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Fluoride O-Phosphate Nitrate/Nitrite

Sample Disposal: Return to Client Disposal by Lab (As seen may be assessed if samples are retained after 30 days)

Relinquished Chris DeBoer Date/Time 11/18/13 15:03
 Relinquished Chris DeBoer Date/Time 11/18/13 15:03

Special Remarks:

TAT -> Next Day 2 Day 3 Day STD



Fremont Analytical
 3600 Fremont Ave N.
 Seattle, WA 98103

Tel: 206-352-3790
 Fax: 206-352-7178

Client: PE's Environmental
 Address: (see page 1)
 City, State, Zip: _____ Tel: _____

Chain of Custody Record

Laboratory Project No (Internal): 1311201
 Page: 2 of 2
 Project Name: Pave / Google II
 Location: (see page 1)
 Collected by: _____

Reports To (PM): _____ Fax: _____ Email: _____

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GC/RTX by EPA 8211b	Gasoline Range Organic	Hydrocarbon Identification (HID)	Semi Vol (EPA 8270)	PAH (EPA 8270 - SM)	PCB (EPA 8280)	Chlorides (EPA 8281)	Metals (605 / 200.9)	Total (T) Dissolved (D)	Anions (TC)**	Comments/Depth
1 Area 5 - ESW1-1	11/18/13	1105	Soil												
2 Area 5 - Base 1-2		1109													
3 Area 5 - Base 2-2		1114													
4 Area 6 - WSW1-1.5		1250													
5 Area 6 - SSW1-1.5		1230													
6 Area 6 - ESW1-1.5		1235													
7 Area 6 - NSW1-1.5		1245													
8 Area 6 - Base 1-1.5		1255													
9 Area 6 - Base 2-1.5		1300													

10

**Metals Analysis (CIRde): MTCA-5 RCRA-8 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg C Mg Mn Mo Na M Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (CIRde): Nitrate Nitrite Nitrate+Nitrite Fluoride Chloride Sulfate Bromide Iodide C-Phosphate Nitrate+Nitrite

Sample Disposal: Return to Client: Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished Date/Time: 11/19/13 1503 Received Date/Time: 11/12/13 1503
 Relinquished by: Chris Debra Received by: [Signature]

TA1 → Next Day 2 Day 3 Day STD

Heavy oil organics only



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Kelly Rankich
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Pace National Property
Lab ID: 1311217

November 22, 2013

Attention Kelly Rankich:

Fremont Analytical, Inc. received 17 sample(s) on 11/19/2013 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Organochlorine Pesticides by EPA Method 8081
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal



Date: 11/22/2013

CLIENT: PES Environmental, Inc.
Project: Pace National Property
Lab Order: 1311217

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1311217-001	Area11-WSW1-8	11/19/2013 12:05 PM	11/19/2013 3:07 PM
1311217-002	Area8-NSW1-1.5	11/19/2013 1:20 PM	11/19/2013 3:07 PM
1311217-003	Area8-SSW1-1.5	11/19/2013 1:31 PM	11/19/2013 3:07 PM
1311217-004	Area8-WSW1-1.5	11/19/2013 1:27 PM	11/19/2013 3:07 PM
1311217-005	Area8-ESW1-1.5	11/19/2013 1:38 PM	11/19/2013 3:07 PM
1311217-006	Area8-Base1-2.5	11/19/2013 1:40 PM	11/19/2013 3:07 PM
1311217-007	Area8-Base2-2.5	11/19/2013 1:45 PM	11/19/2013 3:07 PM
1311217-008	Area11-WSW1-3	11/19/2013 10:10 AM	11/19/2013 3:07 PM
1311217-009	Area11-NSW1-3	11/19/2013 10:15 AM	11/19/2013 3:07 PM
1311217-010	Area11-SSW1-3	11/19/2013 10:20 AM	11/19/2013 3:07 PM
1311217-011	Area11-ESW1-3	11/19/2013 10:23 AM	11/19/2013 3:07 PM
1311217-012	Area11-Base1-4	11/19/2013 10:25 AM	11/19/2013 3:07 PM
1311217-013	Area11-Base2-4	11/19/2013 10:29 AM	11/19/2013 3:07 PM
1311217-014	Trip Blank	11/18/2013 3:07 PM	11/19/2013 3:07 PM
1311217-015	Area11-ESW1-8	11/19/2013 11:43 AM	11/19/2013 3:07 PM
1311217-016	Area11-NSW1-8	11/19/2013 11:45 AM	11/19/2013 3:07 PM
1311217-017	Area11-SSW1-8	11/19/2013 12:00 PM	11/19/2013 3:07 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.**Project:** Pace National Property

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311217-001A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311217-015A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311217-016A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311217-017A) required Silica Gel Cleanup Procedure (Using Method No 3630C).



Client: PES Environmental, Inc.

Collection Date: 11/19/2013 12:05:00 PM

Project: Pace National Property

Lab ID: 1311217-001

Matrix: Soil

Client Sample ID: Area11-WSW1-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 5928		Analyst: BR
Diesel (Fuel Oil)	ND	20.7		mg/Kg-dry	1	11/22/2013 12:25:00 AM
Heavy Oil	206	51.7		mg/Kg-dry	1	11/22/2013 12:25:00 AM
Surr: 2-Fluorobiphenyl	97.6	50-150		%REC	1	11/22/2013 12:25:00 AM
Surr: o-Terphenyl	99.1	50-150		%REC	1	11/22/2013 12:25:00 AM
<u>Volatile Organic Compounds by EPA Method 8260</u>				Batch ID: 5919		Analyst: EM
Toluene	ND	0.0197		mg/Kg-dry	1	11/20/2013 7:28:00 PM
Surr: Dibromofluoromethane	104	63.7-129		%REC	1	11/20/2013 7:28:00 PM
Surr: Toluene-d8	103	61.4-128		%REC	1	11/20/2013 7:28:00 PM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	11/20/2013 7:28:00 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R11152		Analyst: JS
Percent Moisture	10.3			wt%	1	11/20/2013 8:39:44 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311217

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/19/2013 1:20:00 PM

Project: Pace National Property

Lab ID: 1311217-002

Matrix: Soil

Client Sample ID: Area8-NSW1-1.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Organochlorine Pesticides by EPA Method 8081

Batch ID: 5926

Analyst: PH

gamma-Chlordane	ND	0.00912		mg/Kg-dry	1	11/21/2013 2:47:00 AM
alpha-Chlordane	ND	0.00912		mg/Kg-dry	1	11/21/2013 2:47:00 AM
Surr: Decachlorobiphenyl	91.2	54.6-157		%REC	1	11/21/2013 2:47:00 AM
Surr: Tetrachloro-m-xylene	98.2	59.3-135		%REC	1	11/21/2013 2:47:00 AM

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5907

Analyst: BR

Diesel (Fuel Oil)	ND	21.1		mg/Kg-dry	1	11/20/2013 12:21:00 AM
Heavy Oil	ND	52.6		mg/Kg-dry	1	11/20/2013 12:21:00 AM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	11/20/2013 12:21:00 AM
Surr: o-Terphenyl	105	50-150		%REC	1	11/20/2013 12:21:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11152

Analyst: JS

Percent Moisture	6.95			wt%	1	11/20/2013 8:39:44 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311217

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/19/2013 1:31:00 PM

Project: Pace National Property

Lab ID: 1311217-003

Matrix: Soil

Client Sample ID: Area8-SSW1-1.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Organochlorine Pesticides by EPA Method 8081

Batch ID: 5926

Analyst: PH

gamma-Chlordane	ND	0.00973		mg/Kg-dry	1	11/21/2013 3:12:00 AM
alpha-Chlordane	ND	0.00973		mg/Kg-dry	1	11/21/2013 3:12:00 AM
Surr: Decachlorobiphenyl	87.4	54.6-157		%REC	1	11/21/2013 3:12:00 AM
Surr: Tetrachloro-m-xylene	96.9	59.3-135		%REC	1	11/21/2013 3:12:00 AM

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5907

Analyst: BR

Diesel (Fuel Oil)	ND	20.5		mg/Kg-dry	1	11/20/2013 12:48:00 AM
Heavy Oil	ND	51.3		mg/Kg-dry	1	11/20/2013 12:48:00 AM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	11/20/2013 12:48:00 AM
Surr: o-Terphenyl	88.6	50-150		%REC	1	11/20/2013 12:48:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11152

Analyst: JS

Percent Moisture	6.75			wt%	1	11/20/2013 8:39:44 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311217

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/19/2013 1:27:00 PM

Project: Pace National Property

Lab ID: 1311217-004

Matrix: Soil

Client Sample ID: Area8-WSW1-1.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Organochlorine Pesticides by EPA Method 8081

Batch ID: 5926

Analyst: PH

gamma-Chlordane	ND	0.00923		mg/Kg-dry	1	11/21/2013 3:49:00 AM
alpha-Chlordane	ND	0.00923		mg/Kg-dry	1	11/21/2013 3:49:00 AM
Surr: Decachlorobiphenyl	88.4	54.6-157		%REC	1	11/21/2013 3:49:00 AM
Surr: Tetrachloro-m-xylene	98.2	59.3-135		%REC	1	11/21/2013 3:49:00 AM

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5907

Analyst: BR

Diesel (Fuel Oil)	ND	20.8		mg/Kg-dry	1	11/20/2013 1:16:00 AM
Heavy Oil	ND	52.0		mg/Kg-dry	1	11/20/2013 1:16:00 AM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	11/20/2013 1:16:00 AM
Surr: o-Terphenyl	96.3	50-150		%REC	1	11/20/2013 1:16:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11152

Analyst: JS

Percent Moisture	7.38			wt%	1	11/20/2013 8:39:44 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311217

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/19/2013 1:38:00 PM

Project: Pace National Property

Lab ID: 1311217-005

Matrix: Soil

Client Sample ID: Area8-ESW1-1.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Organochlorine Pesticides by EPA Method 8081

Batch ID: 5926

Analyst: PH

gamma-Chlordane	ND	0.00916		mg/Kg-dry	1	11/21/2013 4:01:00 AM
alpha-Chlordane	ND	0.00916		mg/Kg-dry	1	11/21/2013 4:01:00 AM
Surr: Decachlorobiphenyl	83.7	54.6-157		%REC	1	11/21/2013 4:01:00 AM
Surr: Tetrachloro-m-xylene	97.0	59.3-135		%REC	1	11/21/2013 4:01:00 AM

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5907

Analyst: BR

Diesel (Fuel Oil)	ND	20.4		mg/Kg-dry	1	11/20/2013 1:43:00 AM
Heavy Oil	ND	51.0		mg/Kg-dry	1	11/20/2013 1:43:00 AM
Surr: 2-Fluorobiphenyl	106	50-150		%REC	1	11/20/2013 1:43:00 AM
Surr: o-Terphenyl	105	50-150		%REC	1	11/20/2013 1:43:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11152

Analyst: JS

Percent Moisture	6.81			wt%	1	11/20/2013 8:39:44 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311217

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/19/2013 1:40:00 PM

Project: Pace National Property

Lab ID: 1311217-006

Matrix: Soil

Client Sample ID: Area8-Base1-2.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Organochlorine Pesticides by EPA Method 8081

Batch ID: 5926

Analyst: PH

gamma-Chlordane	ND	0.00939		mg/Kg-dry	1	11/21/2013 4:14:00 AM
alpha-Chlordane	ND	0.00939		mg/Kg-dry	1	11/21/2013 4:14:00 AM
Surr: Decachlorobiphenyl	83.7	54.6-157		%REC	1	11/21/2013 4:14:00 AM
Surr: Tetrachloro-m-xylene	95.0	59.3-135		%REC	1	11/21/2013 4:14:00 AM

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5907

Analyst: BR

Diesel (Fuel Oil)	ND	19.7		mg/Kg-dry	1	11/20/2013 2:10:00 AM
Heavy Oil	ND	49.2		mg/Kg-dry	1	11/20/2013 2:10:00 AM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	11/20/2013 2:10:00 AM
Surr: o-Terphenyl	88.3	50-150		%REC	1	11/20/2013 2:10:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11152

Analyst: JS

Percent Moisture	4.08			wt%	1	11/20/2013 8:39:44 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311217

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/19/2013 1:45:00 PM

Project: Pace National Property

Lab ID: 1311217-007

Matrix: Soil

Client Sample ID: Area8-Base2-2.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Organochlorine Pesticides by EPA Method 8081

Batch ID: 5926

Analyst: PH

gamma-Chlordane	ND	0.00897		mg/Kg-dry	1	11/21/2013 4:26:00 AM
alpha-Chlordane	ND	0.00897		mg/Kg-dry	1	11/21/2013 4:26:00 AM
Surr: Decachlorobiphenyl	83.6	54.6-157		%REC	1	11/21/2013 4:26:00 AM
Surr: Tetrachloro-m-xylene	94.6	59.3-135		%REC	1	11/21/2013 4:26:00 AM

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5907

Analyst: BR

Diesel (Fuel Oil)	ND	20.3		mg/Kg-dry	1	11/20/2013 2:38:00 AM
Heavy Oil	ND	50.7		mg/Kg-dry	1	11/20/2013 2:38:00 AM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	11/20/2013 2:38:00 AM
Surr: o-Terphenyl	105	50-150		%REC	1	11/20/2013 2:38:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11152

Analyst: JS

Percent Moisture	4.50			wt%	1	11/20/2013 8:39:44 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/19/2013 10:10:00 AM

Project: Pace National Property

Lab ID: 1311217-008

Matrix: Soil

Client Sample ID: Area11-WSW1-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5919

Analyst: EM

Naphthalene	ND	0.0301		mg/Kg-dry	1	11/20/2013 8:23:00 PM
Surr: Dibromofluoromethane	105	63.7-129		%REC	1	11/20/2013 8:23:00 PM
Surr: Toluene-d8	103	61.4-128		%REC	1	11/20/2013 8:23:00 PM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	11/20/2013 8:23:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11152

Analyst: JS

Percent Moisture	9.91			wt%	1	11/20/2013 8:39:44 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/19/2013 10:15:00 AM

Project: Pace National Property

Lab ID: 1311217-009

Matrix: Soil

Client Sample ID: Area11-NSW1-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5919

Analyst: EM

Naphthalene	ND	0.0301		mg/Kg-dry	1	11/20/2013 10:11:00 PM
Surr: Dibromofluoromethane	88.8	63.7-129		%REC	1	11/20/2013 10:11:00 PM
Surr: Toluene-d8	104	61.4-128		%REC	1	11/20/2013 10:11:00 PM
Surr: 1-Bromo-4-fluorobenzene	104	63.1-141		%REC	1	11/20/2013 10:11:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11152

Analyst: JS

Percent Moisture	10.1			wt%	1	11/20/2013 8:39:44 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/19/2013 10:20:00 AM

Project: Pace National Property

Lab ID: 1311217-010

Matrix: Soil

Client Sample ID: Area11-SSW1-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5919

Analyst: EM

Naphthalene	ND	0.0302		mg/Kg-dry	1	11/20/2013 10:38:00 PM
Surr: Dibromofluoromethane	106	63.7-129		%REC	1	11/20/2013 10:38:00 PM
Surr: Toluene-d8	104	61.4-128		%REC	1	11/20/2013 10:38:00 PM
Surr: 1-Bromo-4-fluorobenzene	105	63.1-141		%REC	1	11/20/2013 10:38:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11152

Analyst: JS

Percent Moisture	10.7			wt%	1	11/20/2013 8:39:44 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/19/2013 10:23:00 AM

Project: Pace National Property

Lab ID: 1311217-011

Matrix: Soil

Client Sample ID: Area11-ESW1-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5919

Analyst: EM

Naphthalene	ND	0.0325		mg/Kg-dry	1	11/20/2013 11:05:00 PM
Surr: Dibromofluoromethane	105	63.7-129		%REC	1	11/20/2013 11:05:00 PM
Surr: Toluene-d8	103	61.4-128		%REC	1	11/20/2013 11:05:00 PM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	11/20/2013 11:05:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11152

Analyst: JS

Percent Moisture	20.3			wt%	1	11/20/2013 8:39:44 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311217

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/19/2013 10:25:00 AM

Project: Pace National Property

Lab ID: 1311217-012

Matrix: Soil

Client Sample ID: Area11-Base1-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5919

Analyst: EM

Naphthalene	ND	0.0321		mg/Kg-dry	1	11/20/2013 11:32:00 PM
Surr: Dibromofluoromethane	105	63.7-129		%REC	1	11/20/2013 11:32:00 PM
Surr: Toluene-d8	104	61.4-128		%REC	1	11/20/2013 11:32:00 PM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	11/20/2013 11:32:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11152

Analyst: JS

Percent Moisture	10.3			wt%	1	11/20/2013 8:39:44 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311217

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/19/2013 10:29:00 AM

Project: Pace National Property

Lab ID: 1311217-013

Matrix: Soil

Client Sample ID: Area11-Base2-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5919

Analyst: EM

Naphthalene	ND	0.0319		mg/Kg-dry	1	11/20/2013 11:59:00 PM
Surr: Dibromofluoromethane	105	63.7-129		%REC	1	11/20/2013 11:59:00 PM
Surr: Toluene-d8	102	61.4-128		%REC	1	11/20/2013 11:59:00 PM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	11/20/2013 11:59:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11152

Analyst: JS

Percent Moisture	10.2			wt%	1	11/20/2013 8:39:44 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311217

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/18/2013 3:07:00 PM

Project: Pace National Property

Lab ID: 1311217-014

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5919

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0600		mg/Kg	1	11/20/2013 5:10:00 PM
Chloromethane	ND	0.0600		mg/Kg	1	11/20/2013 5:10:00 PM
Vinyl chloride	ND	0.00200		mg/Kg	1	11/20/2013 5:10:00 PM
Bromomethane	ND	0.0900		mg/Kg	1	11/20/2013 5:10:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	11/20/2013 5:10:00 PM
Chloroethane	ND	0.0600		mg/Kg	1	11/20/2013 5:10:00 PM
1,1-Dichloroethene	ND	0.0500		mg/Kg	1	11/20/2013 5:10:00 PM
Methylene chloride	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
trans-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0500		mg/Kg	1	11/20/2013 5:10:00 PM
1,1-Dichloroethane	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
2,2-Dichloropropane	ND	0.0500		mg/Kg	1	11/20/2013 5:10:00 PM
cis-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
Chloroform	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
1,1-Dichloropropene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
Carbon tetrachloride	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
1,2-Dichloroethane (EDC)	ND	0.0300		mg/Kg	1	11/20/2013 5:10:00 PM
Benzene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
Trichloroethene (TCE)	ND	0.0300		mg/Kg	1	11/20/2013 5:10:00 PM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
Bromodichloromethane	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
Dibromomethane	ND	0.0400		mg/Kg	1	11/20/2013 5:10:00 PM
cis-1,3-Dichloropropene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
Toluene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
trans-1,3-Dichloropropylene	ND	0.0300		mg/Kg	1	11/20/2013 5:10:00 PM
1,1,2-Trichloroethane	ND	0.0300		mg/Kg	1	11/20/2013 5:10:00 PM
1,3-Dichloropropane	ND	0.0500		mg/Kg	1	11/20/2013 5:10:00 PM
Tetrachloroethene (PCE)	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
Dibromochloromethane	ND	0.0300		mg/Kg	1	11/20/2013 5:10:00 PM
1,2-Dibromoethane (EDB)	ND	0.00500		mg/Kg	1	11/20/2013 5:10:00 PM
Chlorobenzene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0300		mg/Kg	1	11/20/2013 5:10:00 PM
Ethylbenzene	ND	0.0300		mg/Kg	1	11/20/2013 5:10:00 PM
m,p-Xylene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311217

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/18/2013 3:07:00 PM

Project: Pace National Property

Lab ID: 1311217-014

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260					Batch ID: 5919	Analyst: EM
o-Xylene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
Styrene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
Isopropylbenzene	ND	0.0800		mg/Kg	1	11/20/2013 5:10:00 PM
Bromoform	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
n-Propylbenzene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
Bromobenzene	ND	0.0300		mg/Kg	1	11/20/2013 5:10:00 PM
1,3,5-Trimethylbenzene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
2-Chlorotoluene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
4-Chlorotoluene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
tert-Butylbenzene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
1,2,3-Trichloropropane	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
1,2,4-Trichlorobenzene	ND	0.0500		mg/Kg	1	11/20/2013 5:10:00 PM
sec-Butylbenzene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
4-Isopropyltoluene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
1,3-Dichlorobenzene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
1,4-Dichlorobenzene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
n-Butylbenzene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
1,2-Dichlorobenzene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0300		mg/Kg	1	11/20/2013 5:10:00 PM
1,2,4-Trimethylbenzene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
Hexachlorobutadiene	ND	0.100		mg/Kg	1	11/20/2013 5:10:00 PM
Naphthalene	ND	0.0300		mg/Kg	1	11/20/2013 5:10:00 PM
1,2,3-Trichlorobenzene	ND	0.0200		mg/Kg	1	11/20/2013 5:10:00 PM
Surr: Dibromofluoromethane	103	63.7-129		%REC	1	11/20/2013 5:10:00 PM
Surr: Toluene-d8	106	61.4-128		%REC	1	11/20/2013 5:10:00 PM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	11/20/2013 5:10:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311217

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/19/2013 11:43:00 AM

Project: Pace National Property

Lab ID: 1311217-015

Matrix: Soil

Client Sample ID: Area11-ESW1-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 5928	Analyst: BR
Diesel (Fuel Oil)	ND	23.1		mg/Kg-dry	1	11/21/2013 11:03:00 PM
Heavy Oil	ND	57.7		mg/Kg-dry	1	11/21/2013 11:03:00 PM
Surr: 2-Fluorobiphenyl	99.2	50-150		%REC	1	11/21/2013 11:03:00 PM
Surr: o-Terphenyl	101	50-150		%REC	1	11/21/2013 11:03:00 PM
<u>Volatile Organic Compounds by EPA Method 8260</u>					Batch ID: 5919	Analyst: EM
Toluene	ND	0.0256		mg/Kg-dry	1	11/21/2013 1:20:00 AM
Surr: Dibromofluoromethane	106	63.7-129		%REC	1	11/21/2013 1:20:00 AM
Surr: Toluene-d8	104	61.4-128		%REC	1	11/21/2013 1:20:00 AM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	11/21/2013 1:20:00 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R11152	Analyst: JS
Percent Moisture	20.4			wt%	1	11/20/2013 8:39:44 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311217

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/19/2013 11:45:00 AM

Project: Pace National Property

Lab ID: 1311217-016

Matrix: Soil

Client Sample ID: Area11-NSW1-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5928

Analyst: BR

Diesel (Fuel Oil)	ND	21.8		mg/Kg-dry	1	11/21/2013 11:30:00 PM
Heavy Oil	ND	54.4		mg/Kg-dry	1	11/21/2013 11:30:00 PM
Surr: 2-Fluorobiphenyl	101	50-150		%REC	1	11/21/2013 11:30:00 PM
Surr: o-Terphenyl	100	50-150		%REC	1	11/21/2013 11:30:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5919

Analyst: EM

Toluene	ND	0.0206		mg/Kg-dry	1	11/21/2013 1:47:00 AM
Surr: Dibromofluoromethane	105	63.7-129		%REC	1	11/21/2013 1:47:00 AM
Surr: Toluene-d8	104	61.4-128		%REC	1	11/21/2013 1:47:00 AM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/21/2013 1:47:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11152

Analyst: JS

Percent Moisture	11.8			wt%	1	11/20/2013 8:39:44 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311217

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/19/2013 12:00:00 PM

Project: Pace National Property

Lab ID: 1311217-017

Matrix: Soil

Client Sample ID: Area11-SSW1-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>			Batch ID: 5928		Analyst: BR	
Diesel (Fuel Oil)	ND	24.6		mg/Kg-dry	1	11/21/2013 11:58:00 PM
Heavy Oil	ND	61.5		mg/Kg-dry	1	11/21/2013 11:58:00 PM
Surr: 2-Fluorobiphenyl	98.8	50-150		%REC	1	11/21/2013 11:58:00 PM
Surr: o-Terphenyl	99.7	50-150		%REC	1	11/21/2013 11:58:00 PM
<u>Volatile Organic Compounds by EPA Method 8260</u>			Batch ID: 5919		Analyst: EM	
Toluene	ND	0.0213		mg/Kg-dry	1	11/21/2013 2:14:00 AM
Surr: Dibromofluoromethane	107	63.7-129		%REC	1	11/21/2013 2:14:00 AM
Surr: Toluene-d8	103	61.4-128		%REC	1	11/21/2013 2:14:00 AM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	11/21/2013 2:14:00 AM
<u>Sample Moisture (Percent Moisture)</u>			Batch ID: R11152		Analyst: JS	
Percent Moisture	16.7			wt%	1	11/20/2013 8:39:44 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1311217
CLIENT: PES Environmental, Inc.
Project: Pace National Property

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: LCS-5907	SampType: LCS	Units: mg/Kg	Prep Date: 11/19/2013	RunNo: 11147							
Client ID: LCSS	Batch ID: 5907		Analysis Date: 11/19/2013	SeqNo: 222464							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	487	20.0	500.0	0	97.4	65	135				
Surr: 2-Fluorobiphenyl	22.5		20.00		113	50	150				
Surr: o-Terphenyl	20.6		20.00		103	50	150				

Sample ID: MB-5907	SampType: MBLK	Units: mg/Kg	Prep Date: 11/19/2013	RunNo: 11147							
Client ID: MBLKS	Batch ID: 5907		Analysis Date: 11/19/2013	SeqNo: 222465							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	21.8		20.00		109	50	150				
Surr: o-Terphenyl	19.3		20.00		96.3	50	150				

Sample ID: 1311212-003ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/19/2013	RunNo: 11147							
Client ID: BATCH	Batch ID: 5907		Analysis Date: 11/19/2013	SeqNo: 222913							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	18.8						0		30	
Heavy Oil	1,640	46.9						1,697	3.52	30	
Surr: 2-Fluorobiphenyl	20.2		18.77		107	50	150		0		
Surr: o-Terphenyl	19.8		18.77		106	50	150		0		

Sample ID: LCS-5928	SampType: LCS	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11196							
Client ID: LCSS	Batch ID: 5928		Analysis Date: 11/21/2013	SeqNo: 223558							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	513	20.0	500.0	0	103	65	135				
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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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311217
CLIENT: PES Environmental, Inc.
Project: Pace National Property

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: LCS-5928	SampType: LCS	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11196							
Client ID: LCSS	Batch ID: 5928		Analysis Date: 11/21/2013	SeqNo: 223558							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2-Fluorobiphenyl	23.5		20.00		117	50	150				
Surr: o-Terphenyl	22.5		20.00		112	50	150				

Sample ID: MB-5928	SampType: MBLK	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11196							
Client ID: MBLKS	Batch ID: 5928		Analysis Date: 11/21/2013	SeqNo: 223559							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	21.6		20.00		108	50	150				
Surr: o-Terphenyl	21.7		20.00		108	50	150				

Sample ID: 1311158-014ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/20/2013	RunNo: 11196							
Client ID: BATCH	Batch ID: 5928		Analysis Date: 11/21/2013	SeqNo: 224044							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	21.8						0		30	
Heavy Oil	ND	54.4						0		30	
Surr: 2-Fluorobiphenyl	21.5		21.76		98.6	50	150		0		
Surr: o-Terphenyl	21.2		21.76		97.5	50	150		0		

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311217
CLIENT: PES Environmental, Inc.
Project: Pace National Property

QC SUMMARY REPORT
Organochlorine Pesticides by EPA Method 8081

Sample ID: MB-5926	SampType: MBLK	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11190							
Client ID: MBLKS	Batch ID: 5926		Analysis Date: 11/21/2013	SeqNo: 223444							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

gamma-Chlordane	ND	0.0100									
alpha-Chlordane	ND	0.0100									
Surr: Decachlorobiphenyl	0.0417		0.05000		83.3	54.6	157				
Surr: Tetrachloro-m-xylene	0.0482		0.05000		96.3	59.3	135				

Sample ID: LCS-5926	SampType: LCS	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11190							
Client ID: LCSS	Batch ID: 5926		Analysis Date: 11/21/2013	SeqNo: 223445							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

gamma-Chlordane	0.546	0.0100	0.5000	0	109	67	132				
alpha-Chlordane	0.540	0.0100	0.5000	0	108	72.4	138				
Surr: Decachlorobiphenyl	0.0593		0.05000		119	54.6	157				
Surr: Tetrachloro-m-xylene	0.0522		0.05000		104	59.3	135				

Sample ID: 1311217-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/20/2013	RunNo: 11190							
Client ID: Area8-NSW1-1.5	Batch ID: 5926		Analysis Date: 11/21/2013	SeqNo: 223447							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

gamma-Chlordane	ND	0.00911						0			30
alpha-Chlordane	ND	0.00911						0			30
Surr: Decachlorobiphenyl	0.0398		0.04554		87.4	54.6	157		0		
Surr: Tetrachloro-m-xylene	0.0442		0.04554		97.0	59.3	135		0		

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311217
CLIENT: PES Environmental, Inc.
Project: Pace National Property

QC SUMMARY REPORT
Organochlorine Pesticides by EPA Method 8081

Sample ID: 1311217-003AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/20/2013	RunNo: 11190							
Client ID: Area8-SSW1-1.5	Batch ID: 5926		Analysis Date: 11/21/2013	SeqNo: 223449							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

gamma-Chlordane	0.445	0.00909	0.4544	0	98.0	57.7	150				
alpha-Chlordane	0.437	0.00909	0.4544	0	96.2	67.6	149				
Surr: Decachlorobiphenyl	0.0539		0.04544		119	54.6	157				
Surr: Tetrachloro-m-xylene	0.0483		0.04544		106	59.3	135				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311217

CLIENT: PES Environmental, Inc.

Project: Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID: 1311217-001BDUP SampType: DUP Units: mg/Kg-dry Prep Date: 11/20/2013 RunNo: 11165 Client ID: Area11-WSW1-8 Batch ID: 5919 Analysis Date: 11/20/2013 SeqNo: 223142											
Toluene	ND	0.0197						0		30	
Naphthalene	ND	0.0295						0		30	
Surr: Dibromofluoromethane	2.57		2.458		105	63.7	129		0		
Surr: Toluene-d8	2.53		2.458		103	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.52		2.458		102	63.1	141		0		

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID: 1311217-008BMS SampType: MS Units: mg/Kg-dry Prep Date: 11/20/2013 RunNo: 11165 Client ID: Area11-WSW1-3 Batch ID: 5919 Analysis Date: 11/20/2013 SeqNo: 223144											
Toluene	1.14	0.0201	1.004	0	113	63.4	132				
Naphthalene	0.985	0.0301	1.004	0	98.1	52.3	124				
Surr: Dibromofluoromethane	2.36		2.510		94.1	63.7	129				
Surr: Toluene-d8	2.56		2.510		102	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.54		2.510		101	63.1	141				

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID: LCS-5919 SampType: LCS Units: mg/Kg Prep Date: 11/20/2013 RunNo: 11165 Client ID: LCSS Batch ID: 5919 Analysis Date: 11/20/2013 SeqNo: 223152											
Toluene	1.08	0.0200	1.000	0	108	79.9	118				
Naphthalene	0.821	0.0300	1.000	0	82.1	64	130				
Surr: Dibromofluoromethane	2.43		2.500		97.2	63.7	129				
Surr: Toluene-d8	2.56		2.500		102	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.51		2.500		100	63.1	141				

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

D Dilution was required
 J Analyte detected below quantitation limits
 RL Reporting Limit

E Value above quantitation range
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Work Order: 1311217
CLIENT: PES Environmental, Inc.
Project: Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-5919	SampType: MBLK	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11165							
Client ID: MBLKS	Batch ID: 5919		Analysis Date: 11/20/2013	SeqNo: 223153							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Toluene	ND	0.0200									
Naphthalene	ND	0.0300									
Surr: Dibromofluoromethane	2.62		2.500		105	63.7	129				
Surr: Toluene-d8	2.58		2.500		103	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.59		2.500		104	63.1	141				

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
R RPD outside accepted recovery limits
RL Reporting Limit
S Spike recovery outside accepted recovery limits

Client Name: **PES**
 Logged by: **Chelsea Ward**

Work Order Number: **1311217**
 Date Received: **11/19/2013 3:07:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 5. Custody seals intact on shipping container/cooler? Yes No Not Required
 6. Was an attempt made to cool the samples? Yes No NA
 7. Were all coolers received at a temperature of >0°C to 10.0°C? Yes No NA
 8. Sample(s) in proper container(s)? Yes No
 9. Sufficient sample volume for indicated test(s)? Yes No
 10. Are samples properly preserved? Yes No
 11. Was preservative added to bottles? Yes No NA
 12. Is the headspace in the VOA vials? Yes No NA
 13. Did all samples containers arrive in good condition(unbroken)? Yes No
 14. Does paperwork match bottle labels? Yes No
 15. Are matrices correctly identified on Chain of Custody? Yes No
 16. Is it clear what analyses were requested? Yes No
 17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text" value="Kelly Rankich"/>	Date:	<input type="text" value="11/19/2013"/>
By Whom:	<input type="text" value="Chelsea Ward"/>	Via:	<input checked="" type="checkbox"/> eMail <input checked="" type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text" value="Chlordane"/>		
Client Instructions:	<input type="text" value="Inquired which chlordane analyte to analyze - both gamma and alpha"/>		

19. Additional remarks:

Client added VOC analysis to Trip Blank. Samples 001 and 017 have same sample name on the COC, deducted that sample 001 should be "Area11-WSW1-8" due to sample time on the COC and on the bottle label.

Item Information

Item #	Temp °C	Condition
Cooler	7.7	Good
Sample	7.9	Good



Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103

Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record

Laboratory Project No (Internal): 131217
Page: 2 of 2

Client: PES Environmental Project Name: Rose National Property
Address: (see page 1) Location: (see page 1)
City, State, Zip: _____ Collected by: _____

Date: 11/13

Reports To (PIN): _____ Email: _____

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Comments/Depth
1. Areall - WSW1-3	11/13	1010	Soil	
2. Areall - NSW1-3	}	1015	}	
3. Areall - SSW1-3		1020		
4. Areall - ESW1-3	}	1023	}	
5. Areall - Base1-4		1025		
6. Areall - Base2-4		1029		
7. TRIP BLANK				
8. Area 11 - ESW1-8	11/13	1143	Soil	
9. Area 11 - NSW1-8		1145		
10. Area 11 - SSW1-8		1200		

Project No: _____

Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Ss Tl U V Zn

** Anions (Circle): Nitrate Nitrite Sulfate Chloride O-Phosphate Fluoride Bromide Iodide Nitrate-Nitrite

Special Remarks: _____

Received Date/Time: 11/13 1507 Date/Time: 11/13 1507

Received Date/Time: _____ Date/Time: _____

TAI -> Next Day 2 Day 3 Day STD



3600 Fremont Ave N
Seattle, WA 98103

Tel: 206-352-3759
Fax: 206-352-7178

Chain of Custody Record

Laboratory Project No (Printed): 1311217A
 Page: 2 of 2
 Project Name: Pace National Property
 Location: 3207 7th Ave S, Burien, WA 98148
 Collected by: C. DeBoer

Date: 11/19/13
 Project Name: Pace National Property
 Location: 3207 7th Ave S, Burien, WA 98148
 Collected by: C. DeBoer
 Reports To (Print): K. Rankich Project No: 006.008.001

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Comments/Design
Area 1 - SW1 - 8	11/19	1305	Soil	
Area 8 - NW1 - 1.5		1300		
Area 8 - SW1 - 1.5		1331		
Area 8 - NW1 - 1.5		1327		
Area 8 - SW1 - 1.5		1338		
Area 8 - Base 1 - 2.5		1340		
Area 8 - Base 2 - 2.5		1345		
<i>[Handwritten signature]</i>				

Metals Analysis (Grade): MTCAS RCPA-B Priority Pollutants TML Individual: Ag N As B Bi Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Ni Pb Sb Se Sr Sn Ti U V Zn
 Anions (Grade): Nitrate Nitrite Chloride Sulfate Bromide Fluoride Manganese
 Return to Client Dissolved by Lab (if the way to a state if samples are marked later to dept.)
 Sample Storage: Silica Gel
 Retention: 11/19/13 1507
 Release: 11/19/13 1507
 Signature: [Signature]
 Date: 11/19/13
 TAT -> Next Day 2 Day 1 Day STD



3600 Fremont Ave N.
Seattle, WA 98103

Tel: 206-352-3750
Fax: 206-352-7128

Chain of Custody Record

Laboratory Project No (Uniform): 131217A
 Page 2 of 2
 Project Name: Pine National Property
 Location: (see page 2)
 Collected by: _____

Date: 11/13
 Project Name: _____
 Location: _____
 Collected by: _____

Client: RES Environmental
 Address: (see page 2)
 City, State, Zip: _____

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Erms ID:	Project No:	Comments/Depth
1 Area I - WSW1-3	11/14/13	1010	Soil			
2 Area I - NSW1-3	}	1015	}			
3 Area II - SSW1-3		1020				
4 Area II - ESW1-3		1025				
5 Area I - Base 1-4	}	1028	}			
6 Area I - Base 2-4		1029				
7 TRIP BLANK						
8 Area II - ESW1-8	11/14/13	1143	Soil			
9 Area II - NSW1-8	}	1145	}			
10 Area II - SSW1-8		1200				

Special Remarks: Drum silicage 10
 TAT -> 1 Day 2 Day 3 Day 5 Day STD



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record

Laboratory Project No (Internal): 1311217
Page: 1 of: 2

Client: PES Environmental Services, Inc.
Address: 1315 4th Ave, Suite 1350
City, State, Zip: Seattle, WA 98101 Tel: (206) 529-3480
Project Name: Pace National Property
Location: 500 7th Ave S, Seattle, WA 98108
Collected by: C. DeBorja

Reports To (PM): Ken Kich Fax: (206) 529-3485 Email: KKenKich@PES.com Project No: 1006.008.03.001

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Comments/Design
1 Area 1 - SW1 - 8	11/19/13	12:05	Soil	
2 Area 8 - NSW1 - 1.5		1330		
3 Area 8 - SSW1 - 1.5		1331		
4 Area 8 - WSW1 - 1.5		1327		
5 Area 8 - ESW1 - 1.5		1338		
6 Area 8 - Base 1 - 2.5		1340		
7 Area 8 - Base 2 - 2.5		1345		
8				
9				
10				

Metals Analysis (Circle): MTGA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Si Sn Ti U V Zn
 Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide Fluoride Nitrate/Nitrite
 Sample Disposal: Return to Client Disposal by Lab (It may be assessed if samples are retained a for 30 days)

Relinquished: Ken Kich Date/Time: 11/13/13
 Received: [Signature] Date/Time: 11/14/13 0507
 Relinquished: [Signature] Date/Time: [Signature]

TAT -> Next Day 2 Day 3 Day... STD



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Kelly Rankich
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Former Pace National Property
Lab ID: 1311236

November 21, 2013

Attention Kelly Rankich:

Fremont Analytical, Inc. received 13 sample(s) on 11/20/2013 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal



Date: 11/21/2013

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property
Lab Order: 1311236

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1311236-001	Area10-Base1-6	11/20/2013 9:15 AM	11/20/2013 3:48 PM
1311236-002	Area10-Base2-6	11/20/2013 9:18 AM	11/20/2013 3:48 PM
1311236-003	Area10-NSW1-5	11/20/2013 9:24 AM	11/20/2013 3:48 PM
1311236-004	Area10-SSW1-5	11/20/2013 9:46 AM	11/20/2013 3:48 PM
1311236-005	Area10-ESW1-5	11/20/2013 9:55 AM	11/20/2013 3:48 PM
1311236-006	Trip Blank	11/18/2013 3:08 PM	11/20/2013 3:48 PM
1311236-007	Area3-Base1-11	11/20/2013 1:39 PM	11/20/2013 3:48 PM
1311236-008	Area3-NSW1-10	11/20/2013 1:49 PM	11/20/2013 3:48 PM
1311236-009	Area3-ESW1-10	11/20/2013 1:59 PM	11/20/2013 3:48 PM
1311236-010	Area3-SSW1-10	11/20/2013 2:04 PM	11/20/2013 3:48 PM
1311236-011	Area3-Base2-11	11/20/2013 1:41 PM	11/20/2013 3:48 PM
1311236-012	Area3-WSW1-10	11/20/2013 1:54 PM	11/20/2013 3:48 PM
1311236-013	Area3-SSW1-8	11/20/2013 2:50 PM	11/20/2013 3:48 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.



Analytical Report

WO#: 1311236

Date Reported: 11/21/2013

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

Lab ID: 1311236-001

Collection Date: 11/20/2013 9:15:00 AM

Client Sample ID: Area10-Base1-6

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5929

Analyst: EM

Naphthalene	ND	0.0368		mg/Kg-dry	1	11/21/2013 8:29:00 AM
Surr: Dibromofluoromethane	105	63.7-129		%REC	1	11/21/2013 8:29:00 AM
Surr: Toluene-d8	100	61.4-128		%REC	1	11/21/2013 8:29:00 AM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/21/2013 8:29:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11173

Analyst: JS

Percent Moisture	15.6			wt%	1	11/20/2013 3:13:41 PM
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Lab ID: 1311236-002

Collection Date: 11/20/2013 9:18:00 AM

Client Sample ID: Area10-Base2-6

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5929

Analyst: EM

Naphthalene	ND	0.0390		mg/Kg-dry	1	11/21/2013 8:56:00 AM
Surr: Dibromofluoromethane	105	63.7-129		%REC	1	11/21/2013 8:56:00 AM
Surr: Toluene-d8	95.9	61.4-128		%REC	1	11/21/2013 8:56:00 AM
Surr: 1-Bromo-4-fluorobenzene	104	63.1-141		%REC	1	11/21/2013 8:56:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11173

Analyst: JS

Percent Moisture	16.7			wt%	1	11/20/2013 3:13:41 PM
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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: PES Environmental, Inc.
Project: Former Pace National Property

Lab ID: 1311236-003

Collection Date: 11/20/2013 9:24:00 AM

Client Sample ID: Area10-NSW1-5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5929

Analyst: EM

Naphthalene	ND	0.0304		mg/Kg-dry	1	11/21/2013 9:23:00 AM
Surr: Dibromofluoromethane	103	63.7-129		%REC	1	11/21/2013 9:23:00 AM
Surr: Toluene-d8	94.7	61.4-128		%REC	1	11/21/2013 9:23:00 AM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/21/2013 9:23:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11173

Analyst: JS

Percent Moisture	11.1			wt%	1	11/20/2013 3:13:41 PM
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Lab ID: 1311236-004

Collection Date: 11/20/2013 9:46:00 AM

Client Sample ID: Area10-SSW1-5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5929

Analyst: EM

Naphthalene	ND	0.0387		mg/Kg-dry	1	11/21/2013 9:50:00 AM
Surr: Dibromofluoromethane	107	63.7-129		%REC	1	11/21/2013 9:50:00 AM
Surr: Toluene-d8	97.1	61.4-128		%REC	1	11/21/2013 9:50:00 AM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	11/21/2013 9:50:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11173

Analyst: JS

Percent Moisture	17.7			wt%	1	11/20/2013 3:13:41 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit

D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311236

Date Reported: 11/21/2013

CLIENT: PES Environmental, Inc.

Project: Former Pace National Property

Lab ID: 1311236-005

Collection Date: 11/20/2013 9:55:00 AM

Client Sample ID: Area10-ESW1-5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5928

Analyst: BR

Diesel (Fuel Oil)	ND	20.0		mg/Kg-dry	1	11/21/2013 12:08:00 PM
Heavy Oil	ND	50.1		mg/Kg-dry	1	11/21/2013 12:08:00 PM
Surr: 2-Fluorobiphenyl	103	50-150		%REC	1	11/21/2013 12:08:00 PM
Surr: o-Terphenyl	103	50-150		%REC	1	11/21/2013 12:08:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11193

Analyst: EM

Gasoline	ND	5.26		mg/Kg-dry	1	11/21/2013 11:18:00 AM
Surr: Toluene-d8	111	65-135		%REC	1	11/21/2013 11:18:00 AM
Surr: 4-Bromofluorobenzene	110	65-135		%REC	1	11/21/2013 11:18:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0631	*	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Chloromethane	ND	0.0631		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Vinyl chloride	ND	0.00210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Bromomethane	ND	0.0946		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0526		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Chloroethane	ND	0.0631		mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,1-Dichloroethene	ND	0.0526		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Methylene chloride	ND	0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
trans-1,2-Dichloroethene	ND	0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0526		mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,1-Dichloroethane	ND	0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
2,2-Dichloropropane	ND	0.0526		mg/Kg-dry	1	11/21/2013 4:19:00 AM
cis-1,2-Dichloroethene	ND	0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Chloroform	ND	0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,1-Dichloropropene	ND	0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Carbon tetrachloride	ND	0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,2-Dichloroethane (EDC)	ND	0.0315		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Benzene	ND	0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Trichloroethene (TCE)	ND	0.0315		mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,2-Dichloropropane	ND	0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311236

Date Reported: 11/21/2013

CLIENT: PES Environmental, Inc.

Project: Former Pace National Property

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

Bromodichloromethane	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Dibromomethane	ND	0.0421	mg/Kg-dry	1	11/21/2013 4:19:00 AM
cis-1,3-Dichloropropene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Toluene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
trans-1,3-Dichloropropylene	ND	0.0315	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,1,2-Trichloroethane	ND	0.0315	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,3-Dichloropropane	ND	0.0526	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Tetrachloroethene (PCE)	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Dibromochloromethane	ND	0.0315	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,2-Dibromoethane (EDB)	ND	0.00526	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Chlorobenzene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0315	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Ethylbenzene	ND	0.0315	mg/Kg-dry	1	11/21/2013 4:19:00 AM
m,p-Xylene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
o-Xylene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Styrene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Isopropylbenzene	ND	0.0841	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Bromoform	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
n-Propylbenzene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Bromobenzene	ND	0.0315	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,3,5-Trimethylbenzene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
2-Chlorotoluene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
4-Chlorotoluene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
tert-Butylbenzene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,2,3-Trichloropropane	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,2,4-Trichlorobenzene	ND	0.0526	mg/Kg-dry	1	11/21/2013 4:19:00 AM
sec-Butylbenzene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
4-Isopropyltoluene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,3-Dichlorobenzene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,4-Dichlorobenzene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
n-Butylbenzene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,2-Dichlorobenzene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0315	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,2,4-Trimethylbenzene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Hexachlorobutadiene	ND	0.105	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Naphthalene	ND	0.0315	mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,2,3-Trichlorobenzene	ND	0.0210	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Surr: Dibromofluoromethane	75.4	63.7-129	%REC	1	11/21/2013 4:19:00 AM

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: PES Environmental, Inc.

Project: Former Pace National Property

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

Surr: Toluene-d8	81.9	61.4-128	%REC	1	11/21/2013 4:19:00 AM
Surr: 1-Bromo-4-fluorobenzene	89.4	63.1-141	%REC	1	11/21/2013 4:19:00 AM

NOTES:

* - Flagged value is not within established control limits.

Sample Moisture (Percent Moisture)

Batch ID: R11173

Analyst: JS

Percent Moisture	8.20		wt%	1	11/20/2013 3:13:41 PM
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Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- RL Reporting Limit

- D Dilution was required
- H Holding times for preparation or analysis exceeded
- ND Not detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311236

Date Reported: 11/21/2013

CLIENT: PES Environmental, Inc.

Project: Former Pace National Property

Lab ID: 1311236-006

Collection Date: 11/18/2013 3:08:00 PM

Client Sample ID: Trip Blank

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0600	*	mg/Kg	1	11/21/2013 1:23:00 AM
Chloromethane	ND	0.0600		mg/Kg	1	11/21/2013 1:23:00 AM
Vinyl chloride	ND	0.00200		mg/Kg	1	11/21/2013 1:23:00 AM
Bromomethane	ND	0.0900		mg/Kg	1	11/21/2013 1:23:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	11/21/2013 1:23:00 AM
Chloroethane	ND	0.0600		mg/Kg	1	11/21/2013 1:23:00 AM
1,1-Dichloroethene	ND	0.0500		mg/Kg	1	11/21/2013 1:23:00 AM
Methylene chloride	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
trans-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0500		mg/Kg	1	11/21/2013 1:23:00 AM
1,1-Dichloroethane	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
2,2-Dichloropropane	ND	0.0500		mg/Kg	1	11/21/2013 1:23:00 AM
cis-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Chloroform	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
1,1-Dichloropropene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Carbon tetrachloride	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
1,2-Dichloroethane (EDC)	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM
Benzene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Trichloroethene (TCE)	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Bromodichloromethane	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Dibromomethane	ND	0.0400		mg/Kg	1	11/21/2013 1:23:00 AM
cis-1,3-Dichloropropene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Toluene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
trans-1,3-Dichloropropylene	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM
1,1,2-Trichloroethane	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM
1,3-Dichloropropane	ND	0.0500		mg/Kg	1	11/21/2013 1:23:00 AM
Tetrachloroethene (PCE)	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Dibromochloromethane	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM
1,2-Dibromoethane (EDB)	ND	0.00500		mg/Kg	1	11/21/2013 1:23:00 AM
Chlorobenzene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM
Ethylbenzene	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- RL Reporting Limit

- D Dilution was required
- H Holding times for preparation or analysis exceeded
- ND Not detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits



CLIENT: PES Environmental, Inc.

Project: Former Pace National Property

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

m,p-Xylene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
o-Xylene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
Styrene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
Isopropylbenzene	ND	0.0800	mg/Kg	1	11/21/2013 1:23:00 AM
Bromoform	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
n-Propylbenzene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
Bromobenzene	ND	0.0300	mg/Kg	1	11/21/2013 1:23:00 AM
1,3,5-Trimethylbenzene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
2-Chlorotoluene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
4-Chlorotoluene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
tert-Butylbenzene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
1,2,3-Trichloropropane	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
1,2,4-Trichlorobenzene	ND	0.0500	mg/Kg	1	11/21/2013 1:23:00 AM
sec-Butylbenzene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
4-Isopropyltoluene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
1,3-Dichlorobenzene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
1,4-Dichlorobenzene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
n-Butylbenzene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
1,2-Dichlorobenzene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0300	mg/Kg	1	11/21/2013 1:23:00 AM
1,2,4-Trimethylbenzene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
Hexachlorobutadiene	ND	0.100	mg/Kg	1	11/21/2013 1:23:00 AM
Naphthalene	ND	0.0300	mg/Kg	1	11/21/2013 1:23:00 AM
1,2,3-Trichlorobenzene	ND	0.0200	mg/Kg	1	11/21/2013 1:23:00 AM
Surr: Dibromofluoromethane	74.1	63.7-129	%REC	1	11/21/2013 1:23:00 AM
Surr: Toluene-d8	82.0	61.4-128	%REC	1	11/21/2013 1:23:00 AM
Surr: 1-Bromo-4-fluorobenzene	89.8	63.1-141	%REC	1	11/21/2013 1:23:00 AM

NOTES:

* - Flagged value is not within established control limits.

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: PES Environmental, Inc.
Project: Former Pace National Property

Lab ID: 1311236-007

Collection Date: 11/20/2013 1:39:00 PM

Client Sample ID: Area3-Base1-11

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

cis-1,2-Dichloroethene	ND	0.0226		mg/Kg-dry	1	11/21/2013 5:17:00 AM
Surr: Dibromofluoromethane	73.0	63.7-129		%REC	1	11/21/2013 5:17:00 AM
Surr: Toluene-d8	81.1	61.4-128		%REC	1	11/21/2013 5:17:00 AM
Surr: 1-Bromo-4-fluorobenzene	88.6	63.1-141		%REC	1	11/21/2013 5:17:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11173

Analyst: JS

Percent Moisture	17.5			wt%	1	11/20/2013 3:13:41 PM
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Lab ID: 1311236-008

Collection Date: 11/20/2013 1:49:00 PM

Client Sample ID: Area3-NSW1-10

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

cis-1,2-Dichloroethene	ND	0.0216		mg/Kg-dry	1	11/21/2013 7:13:00 AM
Surr: Dibromofluoromethane	70.4	63.7-129		%REC	1	11/21/2013 7:13:00 AM
Surr: Toluene-d8	79.9	61.4-128		%REC	1	11/21/2013 7:13:00 AM
Surr: 1-Bromo-4-fluorobenzene	86.1	63.1-141		%REC	1	11/21/2013 7:13:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11173

Analyst: JS

Percent Moisture	18.3			wt%	1	11/20/2013 3:13:41 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit

D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

Lab ID: 1311236-009

Collection Date: 11/20/2013 1:59:00 PM

Client Sample ID: Area3-ESW1-10

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

cis-1,2-Dichloroethene	ND	0.0196		mg/Kg-dry	1	11/21/2013 7:42:00 AM
Surr: Dibromofluoromethane	71.0	63.7-129		%REC	1	11/21/2013 7:42:00 AM
Surr: Toluene-d8	78.9	61.4-128		%REC	1	11/21/2013 7:42:00 AM
Surr: 1-Bromo-4-fluorobenzene	86.8	63.1-141		%REC	1	11/21/2013 7:42:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11173

Analyst: JS

Percent Moisture	18.2			wt%	1	11/20/2013 3:13:41 PM
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Lab ID: 1311236-010

Collection Date: 11/20/2013 2:04:00 PM

Client Sample ID: Area3-SSW1-10

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

cis-1,2-Dichloroethene	ND	0.0208		mg/Kg-dry	1	11/21/2013 8:12:00 AM
Surr: Dibromofluoromethane	71.1	63.7-129		%REC	1	11/21/2013 8:12:00 AM
Surr: Toluene-d8	78.8	61.4-128		%REC	1	11/21/2013 8:12:00 AM
Surr: 1-Bromo-4-fluorobenzene	86.1	63.1-141		%REC	1	11/21/2013 8:12:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11173

Analyst: JS

Percent Moisture	18.8			wt%	1	11/20/2013 3:13:41 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit

D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

Lab ID: 1311236-011

Collection Date: 11/20/2013 1:41:00 PM

Client Sample ID: Area3-Base2-11

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

cis-1,2-Dichloroethene	ND	0.0262		mg/Kg-dry	1	11/21/2013 8:41:00 AM
Surr: Dibromofluoromethane	71.0	63.7-129		%REC	1	11/21/2013 8:41:00 AM
Surr: Toluene-d8	79.5	61.4-128		%REC	1	11/21/2013 8:41:00 AM
Surr: 1-Bromo-4-fluorobenzene	85.4	63.1-141		%REC	1	11/21/2013 8:41:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11173

Analyst: JS

Percent Moisture	17.9			wt%	1	11/20/2013 3:13:41 PM
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Lab ID: 1311236-012

Collection Date: 11/20/2013 1:54:00 PM

Client Sample ID: Area3-WSW1-10

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

cis-1,2-Dichloroethene	ND	0.0215		mg/Kg-dry	1	11/21/2013 9:10:00 AM
Surr: Dibromofluoromethane	70.6	63.7-129		%REC	1	11/21/2013 9:10:00 AM
Surr: Toluene-d8	79.7	61.4-128		%REC	1	11/21/2013 9:10:00 AM
Surr: 1-Bromo-4-fluorobenzene	82.4	63.1-141		%REC	1	11/21/2013 9:10:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11173

Analyst: JS

Percent Moisture	16.2			wt%	1	11/20/2013 3:13:41 PM
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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



Analytical Report

WO#: 1311236

Date Reported: 11/21/2013

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

Lab ID: 1311236-013

Collection Date: 11/20/2013 2:50:00 PM

Client Sample ID: Area3-SSW1-8

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 5928	Analyst: BR
Diesel (Fuel Oil)	ND	19.0		mg/Kg-dry	1	11/21/2013 12:36:00 PM
Heavy Oil	ND	47.6		mg/Kg-dry	1	11/21/2013 12:36:00 PM
Surr: 2-Fluorobiphenyl	113	50-150		%REC	1	11/21/2013 12:36:00 PM
Surr: o-Terphenyl	107	50-150		%REC	1	11/21/2013 12:36:00 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: R11193	Analyst: EM
Gasoline	2,150	105	D	mg/Kg-dry	20	11/21/2013 11:44:00 AM
Surr: Toluene-d8	113	65-135	D	%REC	20	11/21/2013 11:44:00 AM
Surr: 4-Bromofluorobenzene	111	65-135	D	%REC	20	11/21/2013 11:44:00 AM
<u>Volatile Organic Compounds by EPA Method 8260</u>					Batch ID: 5930	Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0628		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Chloromethane	ND	0.0628		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Vinyl chloride	ND	0.00209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Bromomethane	ND	0.0942		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0524		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Chloroethane	ND	0.0628		mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,1-Dichloroethene	ND	0.0524		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Methylene chloride	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
trans-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0524		mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,1-Dichloroethane	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
2,2-Dichloropropane	ND	0.0524		mg/Kg-dry	1	11/21/2013 9:40:00 AM
cis-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Chloroform	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,1-Dichloropropene	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Carbon tetrachloride	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,2-Dichloroethane (EDC)	ND	0.0314		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Benzene	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Trichloroethene (TCE)	ND	0.0314		mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,2-Dichloropropane	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM

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



Analytical Report

WO#: 1311236

Date Reported: 11/21/2013

CLIENT: PES Environmental, Inc.

Project: Former Pace National Property

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

Bromodichloromethane	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
Dibromomethane	ND	0.0419	mg/Kg-dry	1	11/21/2013 9:40:00 AM
cis-1,3-Dichloropropene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
Toluene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
trans-1,3-Dichloropropylene	ND	0.0314	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,1,2-Trichloroethane	ND	0.0314	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,3-Dichloropropane	ND	0.0524	mg/Kg-dry	1	11/21/2013 9:40:00 AM
Tetrachloroethene (PCE)	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
Dibromochloromethane	ND	0.0314	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,2-Dibromoethane (EDB)	ND	0.00524	mg/Kg-dry	1	11/21/2013 9:40:00 AM
Chlorobenzene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0314	mg/Kg-dry	1	11/21/2013 9:40:00 AM
Ethylbenzene	ND	0.0314	mg/Kg-dry	1	11/21/2013 9:40:00 AM
m,p-Xylene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
o-Xylene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
Styrene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
Isopropylbenzene	0.172	0.0838	mg/Kg-dry	1	11/21/2013 9:40:00 AM
Bromoform	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
n-Propylbenzene	0.114	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
Bromobenzene	ND	0.0314	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,3,5-Trimethylbenzene	0.0660	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
2-Chlorotoluene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
4-Chlorotoluene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
tert-Butylbenzene	0.0429	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,2,3-Trichloropropane	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,2,4-Trichlorobenzene	ND	0.0524	mg/Kg-dry	1	11/21/2013 9:40:00 AM
sec-Butylbenzene	0.827	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
4-Isopropyltoluene	0.363	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,3-Dichlorobenzene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,4-Dichlorobenzene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
n-Butylbenzene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,2-Dichlorobenzene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0314	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,2,4-Trimethylbenzene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
Hexachlorobutadiene	ND	0.105	mg/Kg-dry	1	11/21/2013 9:40:00 AM
Naphthalene	ND	0.0314	mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,2,3-Trichlorobenzene	ND	0.0209	mg/Kg-dry	1	11/21/2013 9:40:00 AM
Surr: Dibromofluoromethane	66.6	63.7-129	%REC	1	11/21/2013 9:40:00 AM

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: PES Environmental, Inc.

Project: Former Pace National Property

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

Surr: Toluene-d8	103	61.4-128	%REC	1	11/21/2013 9:40:00 AM
Surr: 1-Bromo-4-fluorobenzene	110	63.1-141	%REC	1	11/21/2013 9:40:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11173

Analyst: JS

Percent Moisture	14.1		wt%	1	11/20/2013 3:13:41 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1311236
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: LCS-5928	SampType: LCS	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11196							
Client ID: LCSS	Batch ID: 5928		Analysis Date: 11/21/2013	SeqNo: 223558							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	513	20.0	500.0	0	103	65	135				
Surr: 2-Fluorobiphenyl	23.5		20.00		117	50	150				
Surr: o-Terphenyl	22.5		20.00		112	50	150				

Sample ID: MB-5928	SampType: MBLK	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11196							
Client ID: MBLKS	Batch ID: 5928		Analysis Date: 11/21/2013	SeqNo: 223559							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	21.6		20.00		108	50	150				
Surr: o-Terphenyl	21.7		20.00		108	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311236
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 1311236-013BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/21/2013	RunNo: 11193							
Client ID: Area3-SSW1-8	Batch ID: R11193		Analysis Date: 11/21/2013	SeqNo: 223493							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	2,840	5.24						2,868	0.841	30	E
Surr: Toluene-d8	4.05		2.618		155	65	135		0		S
Surr: 4-Bromofluorobenzene	4.70		2.618		179	65	135		0		S

NOTES:

S - High surrogate recovery attributed to TPH interference. The method is in control as indicated by the Method Blank (MB) & Laboratory Control Sample (LCS).

Sample ID: LCS-R11193	SampType: LCS	Units: mg/Kg	Prep Date: 11/21/2013	RunNo: 11193							
Client ID: LCSS	Batch ID: R11193		Analysis Date: 11/21/2013	SeqNo: 223497							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	23.8	5.00	25.00	0	95.3	65	135				
Surr: Toluene-d8	2.76		2.500		111	65	135				
Surr: 4-Bromofluorobenzene	2.75		2.500		110	65	135				

Sample ID: MB-R11193	SampType: MBLK	Units: mg/Kg	Prep Date: 11/21/2013	RunNo: 11193							
Client ID: MBLKS	Batch ID: R11193		Analysis Date: 11/21/2013	SeqNo: 223498							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	2.77		2.500		111	65	135				
Surr: 4-Bromofluorobenzene	2.77		2.500		111	65	135				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 11/21/2013

Work Order: 1311236
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311236-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/20/2013	RunNo: 11183							
Client ID: Area10-ESW1-5	Batch ID: 5930		Analysis Date: 11/21/2013	SeqNo: 223277							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0631						0		30	*
Chloromethane	ND	0.0631						0		30	
Vinyl chloride	ND	0.00210						0		30	
Bromomethane	ND	0.0946						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0526						0		30	
Chloroethane	ND	0.0631						0		30	
1,1-Dichloroethene	ND	0.0526						0		30	
Methylene chloride	ND	0.0210						0		30	
trans-1,2-Dichloroethene	ND	0.0210						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0526						0		30	
1,1-Dichloroethane	ND	0.0210						0		30	
2,2-Dichloropropane	ND	0.0526						0		30	
cis-1,2-Dichloroethene	ND	0.0210						0		30	
Chloroform	ND	0.0210						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0210						0		30	
1,1-Dichloropropene	ND	0.0210						0		30	
Carbon tetrachloride	ND	0.0210						0		30	
1,2-Dichloroethane (EDC)	ND	0.0315						0		30	
Benzene	ND	0.0210						0		30	
Trichloroethene (TCE)	ND	0.0210						0		30	
1,2-Dichloropropane	ND	0.0210						0		30	
Bromodichloromethane	ND	0.0210						0		30	
Dibromomethane	ND	0.0421						0		30	
cis-1,3-Dichloropropene	ND	0.0210						0		30	
Toluene	ND	0.0210						0		30	
trans-1,3-Dichloropropylene	ND	0.0315						0		30	
1,1,2-Trichloroethane	ND	0.0315						0		30	
1,3-Dichloropropane	ND	0.0526						0		30	
Tetrachloroethene (PCE)	ND	0.0210						0		30	

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311236
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311236-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/20/2013	RunNo: 11183
Client ID: Area10-ESW1-5	Batch ID: 5930		Analysis Date: 11/21/2013	SeqNo: 223277

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	0.0315						0		30	
1,2-Dibromoethane (EDB)	ND	0.00526						0		30	
Chlorobenzene	ND	0.0210						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0315						0		30	
Ethylbenzene	ND	0.0315						0		30	
m,p-Xylene	ND	0.0210						0		30	
o-Xylene	ND	0.0210						0		30	
Styrene	ND	0.0210						0		30	
Isopropylbenzene	ND	0.0841						0		30	
Bromoform	ND	0.0210						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0210						0		30	
n-Propylbenzene	ND	0.0210						0		30	
Bromobenzene	ND	0.0315						0		30	
1,3,5-Trimethylbenzene	ND	0.0210						0		30	
2-Chlorotoluene	ND	0.0210						0		30	
4-Chlorotoluene	ND	0.0210						0		30	
tert-Butylbenzene	ND	0.0210						0		30	
1,2,3-Trichloropropane	ND	0.0210						0		30	
1,2,4-Trichlorobenzene	ND	0.0526						0		30	
sec-Butylbenzene	ND	0.0210						0		30	
4-Isopropyltoluene	ND	0.0210						0		30	
1,3-Dichlorobenzene	ND	0.0210						0		30	
1,4-Dichlorobenzene	ND	0.0210						0		30	
n-Butylbenzene	ND	0.0210						0		30	
1,2-Dichlorobenzene	ND	0.0210						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0315						0		30	
1,2,4-Trimethylbenzene	ND	0.0210						0		30	
Hexachlorobutadiene	ND	0.105						0		30	
Naphthalene	ND	0.0315						0		30	

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311236
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311236-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/20/2013	RunNo: 11183							
Client ID: Area10-ESW1-5	Batch ID: 5930		Analysis Date: 11/21/2013	SeqNo: 223277							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	ND	0.0210						0		30	
Surr: Dibromofluoromethane	1.93		2.629		73.6	63.7	129		0		
Surr: Toluene-d8	2.12		2.629		80.8	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.35		2.629		89.3	63.1	141		0		

NOTES:

* - Flagged value is not within established control limits.

Sample ID: 1311236-007BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/20/2013	RunNo: 11183							
Client ID: Area3-Base1-11	Batch ID: 5930		Analysis Date: 11/21/2013	SeqNo: 223280							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.401	0.0746	1.243	0	32.3	43.5	121				S*
Chloromethane	1.01	0.0746	1.243	0	81.4	45	130				
Vinyl chloride	1.15	0.00249	1.243	0	92.4	51.2	146				
Bromomethane	2.61	0.112	1.243	0	210	21.3	120				S
Trichlorofluoromethane (CFC-11)	3.16	0.0621	1.243	0	254	35	131				S
Chloroethane	1.65	0.0746	1.243	0	133	43.8	117				S
1,1-Dichloroethene	1.01	0.0621	1.243	0	81.4	61.9	141				
Methylene chloride	1.13	0.0249	1.243	0	91.0	54.7	142				
trans-1,2-Dichloroethene	1.02	0.0249	1.243	0	82.4	52	136				
Methyl tert-butyl ether (MTBE)	1.01	0.0621	1.243	0	81.0	54.4	132				
1,1-Dichloroethane	1.15	0.0249	1.243	0	92.2	51.8	141				
2,2-Dichloropropane	1.06	0.0621	1.243	0	85.7	36	123				
cis-1,2-Dichloroethene	1.03	0.0249	1.243	0	82.6	58.6	136				
Chloroform	1.01	0.0249	1.243	0	81.5	53.2	129				
1,1,1-Trichloroethane (TCA)	0.889	0.0249	1.243	0	71.6	58.3	145				
1,1-Dichloropropene	1.13	0.0249	1.243	0	90.8	55.1	138				
Carbon tetrachloride	0.824	0.0249	1.243	0	66.4	53.3	144				
1,2-Dichloroethane (EDC)	0.961	0.0373	1.243	0	77.3	51.3	139				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Work Order: 1311236
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311236-007BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/20/2013	RunNo: 11183
Client ID: Area3-Base1-11	Batch ID: 5930		Analysis Date: 11/21/2013	SeqNo: 223280

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.23	0.0249	1.243	0	98.7	63.5	133				
Trichloroethene (TCE)	0.974	0.0249	1.243	0	78.4	68.6	132				
1,2-Dichloropropane	1.34	0.0249	1.243	0	108	59	136				
Bromodichloromethane	0.979	0.0249	1.243	0	78.8	50.7	141				
Dibromomethane	1.04	0.0497	1.243	0	83.5	50.6	137				
cis-1,3-Dichloropropene	1.21	0.0249	1.243	0	97.1	50.4	138				
Toluene	1.14	0.0249	1.243	0	91.6	63.4	132				
trans-1,3-Dichloropropylene	1.13	0.0373	1.243	0	90.8	44.1	147				
1,1,2-Trichloroethane	1.14	0.0373	1.243	0	91.9	51.6	137				
1,3-Dichloropropane	1.18	0.0621	1.243	0	94.8	53.1	134				
Tetrachloroethene (PCE)	1.44	0.0249	1.243	0	116	35.6	158				
Dibromochloromethane	1.05	0.0373	1.243	0	84.8	55.3	140				
1,2-Dibromoethane (EDB)	1.03	0.00621	1.243	0	83.2	50.4	136				
Chlorobenzene	1.30	0.0249	1.243	0	104	60	133				
1,1,1,2-Tetrachloroethane	1.29	0.0373	1.243	0	104	53.1	142				
Ethylbenzene	1.22	0.0373	1.243	0	98.0	54.5	134				
m,p-Xylene	2.59	0.0249	2.485	0	104	53.1	132				
o-Xylene	1.28	0.0249	1.243	0	103	53.3	139				
Styrene	1.35	0.0249	1.243	0	109	51.1	132				
Isopropylbenzene	1.23	0.0994	1.243	0	98.8	58.9	138				
Bromoform	1.55	0.0249	1.243	0	125	57.9	130				
1,1,1,2,2-Tetrachloroethane	1.50	0.0249	1.243	0	121	51.9	131				
n-Propylbenzene	1.30	0.0249	1.243	0	105	53.6	140				
Bromobenzene	1.62	0.0373	1.243	0	131	54.2	140				
1,3,5-Trimethylbenzene	1.22	0.0249	1.243	0	98.4	51.8	136				
2-Chlorotoluene	1.23	0.0249	1.243	0	98.7	51.6	136				
4-Chlorotoluene	1.21	0.0249	1.243	0	97.4	50.1	139				
tert-Butylbenzene	1.22	0.0249	1.243	0	97.8	50.5	135				
1,2,3-Trichloropropane	1.25	0.0249	1.243	0	101	50.5	131				

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1311236
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311236-007BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/20/2013	RunNo: 11183
Client ID: Area3-Base1-11	Batch ID: 5930		Analysis Date: 11/21/2013	SeqNo: 223280

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.03	0.0621	1.243	0	82.9	50.8	130				
sec-Butylbenzene	1.28	0.0249	1.243	0	103	52.6	141				
4-Isopropyltoluene	1.30	0.0249	1.243	0	105	52.9	134				
1,3-Dichlorobenzene	1.16	0.0249	1.243	0	93.0	52.6	131				
1,4-Dichlorobenzene	1.22	0.0249	1.243	0	98.0	52.9	129				
n-Butylbenzene	0.985	0.0249	1.243	0	79.3	52.6	130				
1,2-Dichlorobenzene	1.16	0.0249	1.243	0	93.0	55.8	129				
1,2-Dibromo-3-chloropropane	0.928	0.0373	1.243	0	74.7	40.5	131				
1,2,4-Trimethylbenzene	1.22	0.0249	1.243	0	98.4	50.6	137				
Hexachlorobutadiene	1.51	0.124	1.243	0	122	40.6	158				
Naphthalene	0.938	0.0373	1.243	0	75.5	52.3	124				
1,2,3-Trichlorobenzene	1.06	0.0249	1.243	0	85.3	54.4	124				
Surr: Dibromofluoromethane	2.21		3.106		71.0	63.7	129				
Surr: Toluene-d8	2.57		3.106		82.7	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.80		3.106		90.0	63.1	141				

NOTES:

* - Flagged value is not within established control limits.
S - Outlying QC recoveries were observed. The method is in control as indicated by the LCS.

Sample ID: LCS-5930	SampType: LCS	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11183
Client ID: LCSS	Batch ID: 5930		Analysis Date: 11/20/2013	SeqNo: 223287

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.375	0.0600	1.000	0	37.5	37.7	136				S
Chloromethane	0.828	0.0600	1.000	0	82.8	38.8	132				
Vinyl chloride	0.905	0.00200	1.000	0	90.5	56.1	130				
Bromomethane	0.804	0.0900	1.000	0	80.4	48.6	147				
Trichlorofluoromethane (CFC-11)	1.32	0.0500	1.000	0	132	60.3	132				
Chloroethane	0.750	0.0600	1.000	0	75.0	55.7	135				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311236
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-5930	SampType: LCS	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11183
Client ID: LCSS	Batch ID: 5930		Analysis Date: 11/20/2013	SeqNo: 223287

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.817	0.0500	1.000	0	81.7	64.6	134				
Methylene chloride	0.900	0.0200	1.000	0	90.0	60.6	140				
trans-1,2-Dichloroethene	0.829	0.0200	1.000	0	82.9	68.7	127				
Methyl tert-butyl ether (MTBE)	0.836	0.0500	1.000	0	83.6	73.4	128				
1,1-Dichloroethane	0.889	0.0200	1.000	0	88.9	65.5	132				
2,2-Dichloropropane	0.936	0.0500	1.000	0	93.6	28.1	149				
cis-1,2-Dichloroethene	0.882	0.0200	1.000	0	88.2	71.6	123				
Chloroform	0.824	0.0200	1.000	0	82.4	67.5	129				
1,1,1-Trichloroethane (TCA)	0.851	0.0200	1.000	0	85.1	74.4	130				
1,1-Dichloropropene	0.890	0.0200	1.000	0	89.0	72.7	131				
Carbon tetrachloride	1.09	0.0200	1.000	0	109	67.9	126				
1,2-Dichloroethane (EDC)	0.772	0.0300	1.000	0	77.2	68.7	133				
Benzene	0.986	0.0200	1.000	0	98.6	74.6	124				
Trichloroethene (TCE)	0.796	0.0200	1.000	0	79.6	67.4	133				
1,2-Dichloropropane	1.09	0.0200	1.000	0	109	72.7	133				
Bromodichloromethane	0.812	0.0200	1.000	0	81.2	76.1	136				
Dibromomethane	0.842	0.0400	1.000	0	84.2	70	130				
cis-1,3-Dichloropropene	0.981	0.0200	1.000	0	98.1	59.1	143				
Toluene	0.930	0.0200	1.000	0	93.0	79.9	118				
trans-1,3-Dichloropropylene	0.942	0.0300	1.000	0	94.2	49.2	149				
1,1,2-Trichloroethane	0.964	0.0300	1.000	0	96.4	74.5	129				
1,3-Dichloropropane	0.967	0.0500	1.000	0	96.7	70	130				
Tetrachloroethene (PCE)	1.14	0.0200	1.000	0	114	52.7	150				
Dibromochloromethane	0.874	0.0300	1.000	0	87.4	70.6	144				
1,2-Dibromoethane (EDB)	0.864	0.00500	1.000	0	86.4	70	130				
Chlorobenzene	1.05	0.0200	1.000	0	105	76.1	123				
1,1,1,2-Tetrachloroethane	1.01	0.0300	1.000	0	101	74.8	131				
Ethylbenzene	1.01	0.0300	1.000	0	101	74	129				
m,p-Xylene	2.10	0.0200	2.000	0	105	79.8	128				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Work Order: 1311236
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-5930	SampType: LCS	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11183
Client ID: LCSS	Batch ID: 5930		Analysis Date: 11/20/2013	SeqNo: 223287

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	1.04	0.0200	1.000	0	104	72.7	124				
Styrene	1.07	0.0200	1.000	0	107	76.8	130				
Isopropylbenzene	0.996	0.0800	1.000	0	99.6	70	130				
Bromoform	1.17	0.0200	1.000	0	117	67	154				
1,1,2,2-Tetrachloroethane	1.21	0.0200	1.000	0	121	60	130				
n-Propylbenzene	1.03	0.0200	1.000	0	103	78	130				
Bromobenzene	1.24	0.0300	1.000	0	124	49.2	144				
1,3,5-Trimethylbenzene	0.997	0.0200	1.000	0	99.7	74.6	123				
2-Chlorotoluene	1.00	0.0200	1.000	0	100	76.7	129				
4-Chlorotoluene	0.998	0.0200	1.000	0	99.8	77.5	125				
tert-Butylbenzene	1.01	0.0200	1.000	0	101	66.2	130				
1,2,3-Trichloropropane	1.03	0.0200	1.000	0	103	67.9	136				
1,2,4-Trichlorobenzene	0.932	0.0500	1.000	0	93.2	65.6	137				
sec-Butylbenzene	1.05	0.0200	1.000	0	105	75.6	133				
4-Isopropyltoluene	1.03	0.0200	1.000	0	103	76.8	131				
1,3-Dichlorobenzene	0.959	0.0200	1.000	0	95.9	72.8	128				
1,4-Dichlorobenzene	0.985	0.0200	1.000	0	98.5	72.6	126				
n-Butylbenzene	0.819	0.0200	1.000	0	81.9	65.3	136				
1,2-Dichlorobenzene	0.939	0.0200	1.000	0	93.9	72.8	126				
1,2-Dibromo-3-chloropropane	0.800	0.0300	1.000	0	80.0	60.3	130				
1,2,4-Trimethylbenzene	1.00	0.0200	1.000	0	100	77.5	129				
Hexachlorobutadiene	1.29	0.100	1.000	0	129	42	151				
Naphthalene	0.824	0.0300	1.000	0	82.4	64	130				
1,2,3-Trichlorobenzene	0.934	0.0200	1.000	0	93.4	62.1	140				
Surr: Dibromofluoromethane	1.86		2.500		74.2	63.7	129				
Surr: Toluene-d8	2.12		2.500		84.6	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.31		2.500		92.3	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311236
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-5930	SampType: LCS	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11183							
Client ID: LCSS	Batch ID: 5930		Analysis Date: 11/20/2013	SeqNo: 223287							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:

S - Outlying QC recoveries were observed (Dichlorodifluoromethane; low bias). The following samples will be flagged with an "***"

Sample ID: MB-5930	SampType: MBLK	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11183							
Client ID: MBLKS	Batch ID: 5930		Analysis Date: 11/20/2013	SeqNo: 223288							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0600									*
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
Methyl tert-butyl ether (MTBE)	ND	0.0500									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
1,1,1-Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane (EDC)	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311236
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-5930	SampType: MBLK	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11183
Client ID: MBLKS	Batch ID: 5930		Analysis Date: 11/20/2013	SeqNo: 223288

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1311236
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-5930	SampType: MBLK	Units: mg/Kg	Prep Date: 11/20/2013	RunNo: 11183							
Client ID: MBLKS	Batch ID: 5930		Analysis Date: 11/20/2013	SeqNo: 223288							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachlorobutadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: Dibromofluoromethane	1.87		2.500		74.8	63.7	129				
Surr: Toluene-d8	2.08		2.500		83.3	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.27		2.500		90.6	63.1	141				

NOTES:

* - Flagged value is not within established control limits.

Sample ID: 1311229-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/20/2013	RunNo: 11189							
Client ID: BATCH	Batch ID: 5929		Analysis Date: 11/21/2013	SeqNo: 223411							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

cis-1,2-Dichloroethene	0.754	0.0134	0.6721	0	112	58.6	136				
Naphthalene	0.557	0.0202	0.6721	0	82.9	52.3	124				
Surr: Dibromofluoromethane	1.79		1.680		106	63.7	129				
Surr: Toluene-d8	1.79		1.680		107	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	1.72		1.680		102	63.1	141				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits	D Dilution was required J Analyte detected below quantitation limits RL Reporting Limit	E Value above quantitation range ND Not detected at the Reporting Limit S Spike recovery outside accepted recovery limits
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Work Order: 1311236
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311240-001BDUP	SampType: DUP	Units: mg/Kg				Prep Date: 11/20/2013	RunNo: 11189				
Client ID: BATCH	Batch ID: 5929					Analysis Date: 11/21/2013	SeqNo: 223420				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	ND	0.0196						0		30	
Naphthalene	ND	0.0294						0		30	
Surr: Dibromofluoromethane	2.59		2.451		106	63.7	129		0		
Surr: Toluene-d8	2.27		2.451		92.6	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.50		2.451		102	63.1	141		0		

Sample ID: LCS-5929	SampType: LCS	Units: mg/Kg				Prep Date: 11/20/2013	RunNo: 11189				
Client ID: LCSS	Batch ID: 5929					Analysis Date: 11/21/2013	SeqNo: 223426				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	1.10	0.0200	1.000	0	110	71.6	123				
Naphthalene	0.838	0.0300	1.000	0	83.8	64	130				
Surr: Dibromofluoromethane	2.64		2.500		105	63.7	129				
Surr: Toluene-d8	2.71		2.500		108	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.55		2.500		102	63.1	141				

Sample ID: MB-5929	SampType: MBLK	Units: mg/Kg				Prep Date: 11/20/2013	RunNo: 11189				
Client ID: MBLKS	Batch ID: 5929					Analysis Date: 11/21/2013	SeqNo: 223427				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	ND	0.0200									
Naphthalene	ND	0.0300									
Surr: Dibromofluoromethane	2.09		2.500		83.6	63.7	129				
Surr: Toluene-d8	2.57		2.500		103	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.58		2.500		103	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **PES**
 Logged by: **Chelsea Ward**

Work Order Number: **1311236**
 Date Received: **11/20/2013 3:48:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 5. Custody seals intact on shipping container/cooler? Yes No Not Required
 6. Was an attempt made to cool the samples? Yes No NA
 7. Were all coolers received at a temperature of >0°C to 10.0°C? Yes No NA
 8. Sample(s) in proper container(s)? Yes No
 9. Sufficient sample volume for indicated test(s)? Yes No
 10. Are samples properly preserved? Yes No
 11. Was preservative added to bottles? Yes No NA
 12. Is the headspace in the VOA vials? Yes No NA
 13. Did all samples containers arrive in good condition(unbroken)? Yes No
 14. Does paperwork match bottle labels? Yes No
 15. Are matrices correctly identified on Chain of Custody? Yes No
 16. Is it clear what analyses were requested? Yes No
 17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C	Condition
Cooler	9.0	Good
Sample	9.5	Good



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Client: RES Environmental Inc
Address: 1215 4th Ave Suite 1350
City, State, Zip: Seattle WA 98101 Tel: (206) 529-3920
Reports To (PM): Ramlich Fax: (206) 529-3988 Email: Kraglich@resenv.com

Project Name: Former Peace National Property
Location: 5007th Ave S, Kirkland WA
Collected by: C. DeBorja

Chain of Custody Record

Laboratory Project No (Internal): 1311236
Page: 1 of: 2

Date: 11/20/13

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Priority Pollutants	RCRA-8	MTCA-5	Nitrate	Nitrite	Chloride	Sulfate	Bromide	C-Phosphate	Fluoride	Nitrate+Nitrite	Individual: Ag Al As B Bi Be Ca Cd Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti U V Zn	Comments/Depth	
1 Area 10 - Base 1 - 6	11/20/13	0915	Soil														
2 Area 10 - Base 2 - 6		0918															
3 Area 10 - N5W1 - 5		0924															
4 Area 10 - S5W1 - 5		0946															
5 Area 10 - E5W1 - 5		0955															
6 TRIP BLANK																	
7 Area 3 - Base 1 - 11	11/20/13	1339	Soil														
8 Area 3 - N5W1 - 10		1349															
9 Area 3 - E5W1 - 10		1359															
10 Area 3 - S5W1 - 10		1404															

*Metals Analysis (Circle): Nitrate Nitrite Chloride Sulfate Bromide C-Phosphate Fluoride Nitrate+Nitrite

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide C-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: Return to Client Disposal by Lab (A fee may be assessed if samples are not used after 30 days.)

Relinquished Date/Time: 11/20/13 1548
 Relinquished: C. DeBorja
 Received Date/Time: 11/20/13 1548
 Received: C. DeBorja

Special Remarks:

TAT -> 1 Test Day 2 Day 3 Day 5 TD



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103

Tel: 206-352-3790
Fax: 206-352-7178

Client: RES Environmental
Address: (See page 1)
City, State, Zip: _____

Date: 11/20/13
Project Name: _____
Location: _____
Collected by: _____

Chain of Custody Record

Laboratory Project No (Internal): 311236
Page: 2 of: 2
Project Name: Former Page National Property
(See page 1)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Reports To (PM):	Fax:	Email:	Project No:	Comments/Depth
1 Area 3 - Base 2 - 11	11/20/13	13:41	Soil					
2 Area 3 - WSW 1 - 10	11/20/13	13:54	↓					
3 Area 3 - SSW 1 - 8	11/20/13	14:50	↓					
4								
5								
6								
7								
8								
9								
10								

****Metals Analysis (Circle):** MTCA-5 RCR-3 Priority Pollutants TAL Individual: Ag Al As B Bi Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti U V Zn

****Anions (Circle):** Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: Return to Client Disposal by Lab (A fee may be assessed if samples are returned after 90 days.)

Being Quished: _____ Date/Time: _____
 x Being Quished: 11/20/13 15:48 Date/Time: 11/20/13 15:18
 Being Quished: _____ Date/Time: _____

Special Remarks: _____

TAT -> Next Day 2 Day 3 Day 5TD



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Kelly Rankich
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Former Pace National Property
Lab ID: 1311251

November 22, 2013

Attention Kelly Rankich:

Fremont Analytical, Inc. received 9 sample(s) on 11/21/2013 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal



Date: 11/22/2013

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property
Lab Order: 1311251

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1311251-001	Trip Blank	11/18/2013 3:08 PM	11/21/2013 3:17 PM
1311251-002	Area1-NSW1-6	11/21/2013 9:42 AM	11/21/2013 3:17 PM
1311251-003	Area1-SSW1-6	11/21/2013 9:50 AM	11/21/2013 3:17 PM
1311251-004	Area1-ESW1-6	11/21/2013 10:00 AM	11/21/2013 3:17 PM
1311251-005	Area1-SESW1-.5	11/21/2013 10:42 AM	11/21/2013 3:17 PM
1311251-006	Area1-Base1-7	11/21/2013 10:38 AM	11/21/2013 3:17 PM
1311251-007	Area1-Base2-7	11/21/2013 10:40 AM	11/21/2013 3:17 PM
1311251-008	Area6-WSW2-.5	11/21/2013 12:47 PM	11/21/2013 3:17 PM
1311251-009	Area6-Base3-4	11/21/2013 12:52 PM	11/21/2013 3:17 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311251-002A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311251-003A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311251-004A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311251-005A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311251-006A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311251-007A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311251-008A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311251-009A) required Silica Gel Cleanup Procedure (Using Method No 3630C).



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/18/2013 3:08:00 PM

Project: Former Pace National Property

Lab ID: 1311251-001

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5939

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0600		mg/Kg	1	11/22/2013 11:29:00 AM
Chloromethane	ND	0.0600		mg/Kg	1	11/22/2013 11:29:00 AM
Vinyl chloride	ND	0.00200		mg/Kg	1	11/22/2013 11:29:00 AM
Bromomethane	ND	0.0900		mg/Kg	1	11/22/2013 11:29:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	11/22/2013 11:29:00 AM
Chloroethane	ND	0.0600		mg/Kg	1	11/22/2013 11:29:00 AM
1,1-Dichloroethene	ND	0.0500		mg/Kg	1	11/22/2013 11:29:00 AM
Methylene chloride	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
trans-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0500		mg/Kg	1	11/22/2013 11:29:00 AM
1,1-Dichloroethane	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
2,2-Dichloropropane	ND	0.0500		mg/Kg	1	11/22/2013 11:29:00 AM
cis-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
Chloroform	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
1,1-Dichloropropene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
Carbon tetrachloride	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
1,2-Dichloroethane (EDC)	ND	0.0300		mg/Kg	1	11/22/2013 11:29:00 AM
Benzene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
Trichloroethene (TCE)	ND	0.0300		mg/Kg	1	11/22/2013 11:29:00 AM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
Bromodichloromethane	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
Dibromomethane	ND	0.0400		mg/Kg	1	11/22/2013 11:29:00 AM
cis-1,3-Dichloropropene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
Toluene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
trans-1,3-Dichloropropylene	ND	0.0300		mg/Kg	1	11/22/2013 11:29:00 AM
1,1,2-Trichloroethane	ND	0.0300		mg/Kg	1	11/22/2013 11:29:00 AM
1,3-Dichloropropane	ND	0.0500		mg/Kg	1	11/22/2013 11:29:00 AM
Tetrachloroethene (PCE)	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
Dibromochloromethane	ND	0.0300		mg/Kg	1	11/22/2013 11:29:00 AM
1,2-Dibromoethane (EDB)	ND	0.00500		mg/Kg	1	11/22/2013 11:29:00 AM
Chlorobenzene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0300		mg/Kg	1	11/22/2013 11:29:00 AM
Ethylbenzene	ND	0.0300		mg/Kg	1	11/22/2013 11:29:00 AM
m,p-Xylene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/18/2013 3:08:00 PM

Project: Former Pace National Property

Lab ID: 1311251-001

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260					Batch ID: 5939	Analyst: GH
o-Xylene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
Styrene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
Isopropylbenzene	ND	0.0800		mg/Kg	1	11/22/2013 11:29:00 AM
Bromoform	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
n-Propylbenzene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
Bromobenzene	ND	0.0300		mg/Kg	1	11/22/2013 11:29:00 AM
1,3,5-Trimethylbenzene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
2-Chlorotoluene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
4-Chlorotoluene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
tert-Butylbenzene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
1,2,3-Trichloropropane	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
1,2,4-Trichlorobenzene	ND	0.0500		mg/Kg	1	11/22/2013 11:29:00 AM
sec-Butylbenzene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
4-Isopropyltoluene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
1,3-Dichlorobenzene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
1,4-Dichlorobenzene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
n-Butylbenzene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
1,2-Dichlorobenzene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0300		mg/Kg	1	11/22/2013 11:29:00 AM
1,2,4-Trimethylbenzene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
Hexachlorobutadiene	ND	0.100		mg/Kg	1	11/22/2013 11:29:00 AM
Naphthalene	ND	0.0300		mg/Kg	1	11/22/2013 11:29:00 AM
1,2,3-Trichlorobenzene	ND	0.0200		mg/Kg	1	11/22/2013 11:29:00 AM
Surr: Dibromofluoromethane	101	63.7-129		%REC	1	11/22/2013 11:29:00 AM
Surr: Toluene-d8	101	61.4-128		%REC	1	11/22/2013 11:29:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	11/22/2013 11:29:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 9:42:00 AM

Project: Former Pace National Property

Lab ID: 1311251-002

Matrix: Soil

Client Sample ID: Area1-NSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5937

Analyst: BR

Diesel (Fuel Oil)	ND	22.1		mg/Kg-dry	1	11/22/2013 3:13:00 AM
Heavy Oil	ND	55.2		mg/Kg-dry	1	11/22/2013 3:13:00 AM
Surr: 2-Fluorobiphenyl	82.8	50-150		%REC	1	11/22/2013 3:13:00 AM
Surr: o-Terphenyl	88.3	50-150		%REC	1	11/22/2013 3:13:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5939

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0558		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Chloromethane	ND	0.0558		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Vinyl chloride	ND	0.00186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Bromomethane	ND	0.0837		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0465		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Chloroethane	ND	0.0558		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,1-Dichloroethene	ND	0.0465		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Methylene chloride	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
trans-1,2-Dichloroethene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0465		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,1-Dichloroethane	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
2,2-Dichloropropane	ND	0.0465		mg/Kg-dry	1	11/22/2013 11:57:00 AM
cis-1,2-Dichloroethene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Chloroform	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,1-Dichloropropene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Carbon tetrachloride	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,2-Dichloroethane (EDC)	ND	0.0279		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Benzene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Trichloroethene (TCE)	ND	0.0279		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,2-Dichloropropane	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Bromodichloromethane	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Dibromomethane	ND	0.0372		mg/Kg-dry	1	11/22/2013 11:57:00 AM
cis-1,3-Dichloropropene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Toluene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
trans-1,3-Dichloropropylene	ND	0.0279		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,1,2-Trichloroethane	ND	0.0279		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,3-Dichloropropane	ND	0.0465		mg/Kg-dry	1	11/22/2013 11:57:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 9:42:00 AM

Project: Former Pace National Property

Lab ID: 1311251-002

Matrix: Soil

Client Sample ID: Area1-NSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5939

Analyst: GH

Tetrachloroethene (PCE)	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Dibromochloromethane	ND	0.0279		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,2-Dibromoethane (EDB)	ND	0.00465		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Chlorobenzene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0279		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Ethylbenzene	ND	0.0279		mg/Kg-dry	1	11/22/2013 11:57:00 AM
m,p-Xylene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
o-Xylene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Styrene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Isopropylbenzene	ND	0.0744		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Bromoform	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
n-Propylbenzene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Bromobenzene	ND	0.0279		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,3,5-Trimethylbenzene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
2-Chlorotoluene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
4-Chlorotoluene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
tert-Butylbenzene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,2,3-Trichloropropane	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,2,4-Trichlorobenzene	ND	0.0465		mg/Kg-dry	1	11/22/2013 11:57:00 AM
sec-Butylbenzene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
4-Isopropyltoluene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,3-Dichlorobenzene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,4-Dichlorobenzene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
n-Butylbenzene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,2-Dichlorobenzene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0279		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,2,4-Trimethylbenzene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Hexachlorobutadiene	ND	0.0930		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Naphthalene	ND	0.0279		mg/Kg-dry	1	11/22/2013 11:57:00 AM
1,2,3-Trichlorobenzene	ND	0.0186		mg/Kg-dry	1	11/22/2013 11:57:00 AM
Surr: Dibromofluoromethane	101	63.7-129		%REC	1	11/22/2013 11:57:00 AM
Surr: Toluene-d8	101	61.4-128		%REC	1	11/22/2013 11:57:00 AM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	11/22/2013 11:57:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/21/2013 9:42:00 AM

Project: Former Pace National Property

Lab ID: 1311251-002

Matrix: Soil

Client Sample ID: Area1-NSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11215 Analyst: JS

Percent Moisture	10.3			wt%	1	11/21/2013 3:17:10 PM
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Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- RL Reporting Limit

- D Dilution was required
- H Holding times for preparation or analysis exceeded
- ND Not detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 9:50:00 AM

Project: Former Pace National Property

Lab ID: 1311251-003

Matrix: Soil

Client Sample ID: Area1-SSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5937

Analyst: BR

Diesel (Fuel Oil)	ND	22.6		mg/Kg-dry	1	11/22/2013 4:16:00 AM
Heavy Oil	ND	56.5		mg/Kg-dry	1	11/22/2013 4:16:00 AM
Surr: 2-Fluorobiphenyl	83.2	50-150		%REC	1	11/22/2013 4:16:00 AM
Surr: o-Terphenyl	88.8	50-150		%REC	1	11/22/2013 4:16:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5939

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0571		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Chloromethane	ND	0.0571		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Vinyl chloride	ND	0.00190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Bromomethane	ND	0.0856		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0476		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Chloroethane	ND	0.0571		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,1-Dichloroethene	ND	0.0476		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Methylene chloride	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
trans-1,2-Dichloroethene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0476		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,1-Dichloroethane	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
2,2-Dichloropropane	ND	0.0476		mg/Kg-dry	1	11/22/2013 12:51:00 PM
cis-1,2-Dichloroethene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Chloroform	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,1-Dichloropropene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Carbon tetrachloride	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,2-Dichloroethane (EDC)	ND	0.0285		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Benzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Trichloroethene (TCE)	ND	0.0285		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,2-Dichloropropane	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Bromodichloromethane	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Dibromomethane	ND	0.0380		mg/Kg-dry	1	11/22/2013 12:51:00 PM
cis-1,3-Dichloropropene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Toluene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
trans-1,3-Dichloropropylene	ND	0.0285		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,1,2-Trichloroethane	ND	0.0285		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,3-Dichloropropane	ND	0.0476		mg/Kg-dry	1	11/22/2013 12:51:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 9:50:00 AM

Project: Former Pace National Property

Lab ID: 1311251-003

Matrix: Soil

Client Sample ID: Area1-SSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260					Batch ID: 5939	Analyst: GH
Tetrachloroethene (PCE)	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Dibromochloromethane	ND	0.0285		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,2-Dibromoethane (EDB)	ND	0.00476		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Chlorobenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0285		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Ethylbenzene	ND	0.0285		mg/Kg-dry	1	11/22/2013 12:51:00 PM
m,p-Xylene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
o-Xylene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Styrene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Isopropylbenzene	ND	0.0761		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Bromoform	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
n-Propylbenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Bromobenzene	ND	0.0285		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,3,5-Trimethylbenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
2-Chlorotoluene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
4-Chlorotoluene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
tert-Butylbenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,2,3-Trichloropropane	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,2,4-Trichlorobenzene	ND	0.0476		mg/Kg-dry	1	11/22/2013 12:51:00 PM
sec-Butylbenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
4-Isopropyltoluene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,3-Dichlorobenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,4-Dichlorobenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
n-Butylbenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,2-Dichlorobenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0285		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,2,4-Trimethylbenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Hexachlorobutadiene	ND	0.0951		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Naphthalene	ND	0.0285		mg/Kg-dry	1	11/22/2013 12:51:00 PM
1,2,3-Trichlorobenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 12:51:00 PM
Surr: Dibromofluoromethane	98.2	63.7-129		%REC	1	11/22/2013 12:51:00 PM
Surr: Toluene-d8	99.0	61.4-128		%REC	1	11/22/2013 12:51:00 PM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	11/22/2013 12:51:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/21/2013 9:50:00 AM

Project: Former Pace National Property

Lab ID: 1311251-003

Matrix: Soil

Client Sample ID: Area1-SSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11215 Analyst: JS

Percent Moisture	9.35			wt%	1	11/21/2013 3:17:10 PM
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Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- RL Reporting Limit

- D Dilution was required
- H Holding times for preparation or analysis exceeded
- ND Not detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 10:00:00 AM

Project: Former Pace National Property

Lab ID: 1311251-004

Matrix: Soil

Client Sample ID: Area1-ESW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5937

Analyst: BR

Diesel (Fuel Oil)	ND	22.1		mg/Kg-dry	1	11/22/2013 4:48:00 AM
Heavy Oil	ND	55.3		mg/Kg-dry	1	11/22/2013 4:48:00 AM
Surr: 2-Fluorobiphenyl	84.8	50-150		%REC	1	11/22/2013 4:48:00 AM
Surr: o-Terphenyl	90.5	50-150		%REC	1	11/22/2013 4:48:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5939

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0595		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Chloromethane	ND	0.0595		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Vinyl chloride	ND	0.00198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Bromomethane	ND	0.0893		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0496		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Chloroethane	ND	0.0595		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,1-Dichloroethene	ND	0.0496		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Methylene chloride	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
trans-1,2-Dichloroethene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0496		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,1-Dichloroethane	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
2,2-Dichloropropane	ND	0.0496		mg/Kg-dry	1	11/22/2013 2:40:00 PM
cis-1,2-Dichloroethene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Chloroform	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,1-Dichloropropene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Carbon tetrachloride	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,2-Dichloroethane (EDC)	ND	0.0298		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Benzene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Trichloroethene (TCE)	ND	0.0298		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,2-Dichloropropane	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Bromodichloromethane	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Dibromomethane	ND	0.0397		mg/Kg-dry	1	11/22/2013 2:40:00 PM
cis-1,3-Dichloropropene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Toluene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
trans-1,3-Dichloropropylene	ND	0.0298		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,1,2-Trichloroethane	ND	0.0298		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,3-Dichloropropane	ND	0.0496		mg/Kg-dry	1	11/22/2013 2:40:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 10:00:00 AM

Project: Former Pace National Property

Lab ID: 1311251-004

Matrix: Soil

Client Sample ID: Area1-ESW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5939

Analyst: GH

Tetrachloroethene (PCE)	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Dibromochloromethane	ND	0.0298		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,2-Dibromoethane (EDB)	ND	0.00496		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Chlorobenzene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0298		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Ethylbenzene	ND	0.0298		mg/Kg-dry	1	11/22/2013 2:40:00 PM
m,p-Xylene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
o-Xylene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Styrene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Isopropylbenzene	ND	0.0794		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Bromoform	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
n-Propylbenzene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Bromobenzene	ND	0.0298		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,3,5-Trimethylbenzene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
2-Chlorotoluene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
4-Chlorotoluene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
tert-Butylbenzene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,2,3-Trichloropropane	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,2,4-Trichlorobenzene	ND	0.0496		mg/Kg-dry	1	11/22/2013 2:40:00 PM
sec-Butylbenzene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
4-Isopropyltoluene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,3-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,4-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
n-Butylbenzene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,2-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0298		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,2,4-Trimethylbenzene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Hexachlorobutadiene	ND	0.0992		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Naphthalene	ND	0.0298		mg/Kg-dry	1	11/22/2013 2:40:00 PM
1,2,3-Trichlorobenzene	ND	0.0198		mg/Kg-dry	1	11/22/2013 2:40:00 PM
Surr: Dibromofluoromethane	101	63.7-129		%REC	1	11/22/2013 2:40:00 PM
Surr: Toluene-d8	100	61.4-128		%REC	1	11/22/2013 2:40:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/22/2013 2:40:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/21/2013 10:00:00 AM

Project: Former Pace National Property

Lab ID: 1311251-004

Matrix: Soil

Client Sample ID: Area1-ESW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11215 Analyst: JS

Percent Moisture	13.0			wt%	1	11/21/2013 3:17:10 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 10:42:00 AM

Project: Former Pace National Property

Lab ID: 1311251-005

Matrix: Soil

Client Sample ID: Area1-SESW1-.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5937

Analyst: BR

Diesel (Fuel Oil)	ND	22.1		mg/Kg-dry	1	11/22/2013 5:19:00 AM
Heavy Oil	ND	55.3		mg/Kg-dry	1	11/22/2013 5:19:00 AM
Surr: 2-Fluorobiphenyl	82.2	50-150		%REC	1	11/22/2013 5:19:00 AM
Surr: o-Terphenyl	87.8	50-150		%REC	1	11/22/2013 5:19:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5939

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0570		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Chloromethane	ND	0.0570		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Vinyl chloride	ND	0.00190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Bromomethane	ND	0.0855		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0475		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Chloroethane	ND	0.0570		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,1-Dichloroethene	ND	0.0475		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Methylene chloride	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
trans-1,2-Dichloroethene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0475		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,1-Dichloroethane	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
2,2-Dichloropropane	ND	0.0475		mg/Kg-dry	1	11/22/2013 3:07:00 PM
cis-1,2-Dichloroethene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Chloroform	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,1-Dichloropropene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Carbon tetrachloride	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,2-Dichloroethane (EDC)	ND	0.0285		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Benzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Trichloroethene (TCE)	ND	0.0285		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,2-Dichloropropane	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Bromodichloromethane	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Dibromomethane	ND	0.0380		mg/Kg-dry	1	11/22/2013 3:07:00 PM
cis-1,3-Dichloropropene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Toluene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
trans-1,3-Dichloropropylene	ND	0.0285		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,1,2-Trichloroethane	ND	0.0285		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,3-Dichloropropane	ND	0.0475		mg/Kg-dry	1	11/22/2013 3:07:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 10:42:00 AM

Project: Former Pace National Property

Lab ID: 1311251-005

Matrix: Soil

Client Sample ID: Area1-SESW1-.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5939

Analyst: GH

Tetrachloroethene (PCE)	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Dibromochloromethane	ND	0.0285		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,2-Dibromoethane (EDB)	ND	0.00475		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Chlorobenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0285		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Ethylbenzene	ND	0.0285		mg/Kg-dry	1	11/22/2013 3:07:00 PM
m,p-Xylene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
o-Xylene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Styrene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Isopropylbenzene	ND	0.0760		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Bromoform	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
n-Propylbenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Bromobenzene	ND	0.0285		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,3,5-Trimethylbenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
2-Chlorotoluene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
4-Chlorotoluene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
tert-Butylbenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,2,3-Trichloropropane	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,2,4-Trichlorobenzene	ND	0.0475		mg/Kg-dry	1	11/22/2013 3:07:00 PM
sec-Butylbenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
4-Isopropyltoluene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,3-Dichlorobenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,4-Dichlorobenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
n-Butylbenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,2-Dichlorobenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0285		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,2,4-Trimethylbenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Hexachlorobutadiene	ND	0.0950		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Naphthalene	ND	0.0285		mg/Kg-dry	1	11/22/2013 3:07:00 PM
1,2,3-Trichlorobenzene	ND	0.0190		mg/Kg-dry	1	11/22/2013 3:07:00 PM
Surr: Dibromofluoromethane	99.6	63.7-129		%REC	1	11/22/2013 3:07:00 PM
Surr: Toluene-d8	101	61.4-128		%REC	1	11/22/2013 3:07:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/22/2013 3:07:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/21/2013 10:42:00 AM

Project: Former Pace National Property

Lab ID: 1311251-005

Matrix: Soil

Client Sample ID: Area1-SESW1-.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11215 Analyst: JS

Percent Moisture	9.21			wt%	1	11/21/2013 3:17:10 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 10:38:00 AM

Project: Former Pace National Property

Lab ID: 1311251-006

Matrix: Soil

Client Sample ID: Area1-Base1-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5937

Analyst: BR

Diesel (Fuel Oil)	ND	23.6		mg/Kg-dry	1	11/22/2013 5:51:00 AM
Heavy Oil	ND	58.9		mg/Kg-dry	1	11/22/2013 5:51:00 AM
Surr: 2-Fluorobiphenyl	86.6	50-150		%REC	1	11/22/2013 5:51:00 AM
Surr: o-Terphenyl	91.1	50-150		%REC	1	11/22/2013 5:51:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5939

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0678		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Chloromethane	ND	0.0678		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Vinyl chloride	ND	0.00226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Bromomethane	ND	0.102		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0565		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Chloroethane	ND	0.0678		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,1-Dichloroethene	ND	0.0565		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Methylene chloride	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
trans-1,2-Dichloroethene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0565		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,1-Dichloroethane	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
2,2-Dichloropropane	ND	0.0565		mg/Kg-dry	1	11/22/2013 3:35:00 PM
cis-1,2-Dichloroethene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Chloroform	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,1-Dichloropropene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Carbon tetrachloride	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,2-Dichloroethane (EDC)	ND	0.0339		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Benzene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Trichloroethene (TCE)	ND	0.0339		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,2-Dichloropropane	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Bromodichloromethane	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Dibromomethane	ND	0.0452		mg/Kg-dry	1	11/22/2013 3:35:00 PM
cis-1,3-Dichloropropene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Toluene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
trans-1,3-Dichloropropylene	ND	0.0339		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,1,2-Trichloroethane	ND	0.0339		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,3-Dichloropropane	ND	0.0565		mg/Kg-dry	1	11/22/2013 3:35:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 10:38:00 AM

Project: Former Pace National Property

Lab ID: 1311251-006

Matrix: Soil

Client Sample ID: Area1-Base1-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5939

Analyst: GH

Tetrachloroethene (PCE)	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Dibromochloromethane	ND	0.0339		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,2-Dibromoethane (EDB)	ND	0.00565		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Chlorobenzene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0339		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Ethylbenzene	ND	0.0339		mg/Kg-dry	1	11/22/2013 3:35:00 PM
m,p-Xylene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
o-Xylene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Styrene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Isopropylbenzene	ND	0.0905		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Bromoform	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
n-Propylbenzene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Bromobenzene	ND	0.0339		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,3,5-Trimethylbenzene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
2-Chlorotoluene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
4-Chlorotoluene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
tert-Butylbenzene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,2,3-Trichloropropane	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,2,4-Trichlorobenzene	ND	0.0565		mg/Kg-dry	1	11/22/2013 3:35:00 PM
sec-Butylbenzene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
4-Isopropyltoluene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,3-Dichlorobenzene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,4-Dichlorobenzene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
n-Butylbenzene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,2-Dichlorobenzene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0339		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,2,4-Trimethylbenzene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Hexachlorobutadiene	ND	0.113		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Naphthalene	ND	0.0339		mg/Kg-dry	1	11/22/2013 3:35:00 PM
1,2,3-Trichlorobenzene	ND	0.0226		mg/Kg-dry	1	11/22/2013 3:35:00 PM
Surr: Dibromofluoromethane	100	63.7-129		%REC	1	11/22/2013 3:35:00 PM
Surr: Toluene-d8	102	61.4-128		%REC	1	11/22/2013 3:35:00 PM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	11/22/2013 3:35:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/21/2013 10:38:00 AM

Project: Former Pace National Property

Lab ID: 1311251-006

Matrix: Soil

Client Sample ID: Area1-Base1-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11215 Analyst: JS

Percent Moisture	18.4			wt%	1	11/21/2013 3:17:10 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 10:40:00 AM

Project: Former Pace National Property

Lab ID: 1311251-007

Matrix: Soil

Client Sample ID: Area1-Base2-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5937

Analyst: BR

Diesel (Fuel Oil)	ND	24.5		mg/Kg-dry	1	11/22/2013 6:22:00 AM
Heavy Oil	ND	61.3		mg/Kg-dry	1	11/22/2013 6:22:00 AM
Surr: 2-Fluorobiphenyl	88.7	50-150		%REC	1	11/22/2013 6:22:00 AM
Surr: o-Terphenyl	92.9	50-150		%REC	1	11/22/2013 6:22:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5939

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0705		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Chloromethane	ND	0.0705		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Vinyl chloride	ND	0.00235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Bromomethane	ND	0.106		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0587		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Chloroethane	ND	0.0705		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,1-Dichloroethene	ND	0.0587		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Methylene chloride	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
trans-1,2-Dichloroethene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0587		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,1-Dichloroethane	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
2,2-Dichloropropane	ND	0.0587		mg/Kg-dry	1	11/22/2013 4:02:00 PM
cis-1,2-Dichloroethene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Chloroform	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,1-Dichloropropene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Carbon tetrachloride	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,2-Dichloroethane (EDC)	ND	0.0352		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Benzene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Trichloroethene (TCE)	ND	0.0352		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,2-Dichloropropane	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Bromodichloromethane	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Dibromomethane	ND	0.0470		mg/Kg-dry	1	11/22/2013 4:02:00 PM
cis-1,3-Dichloropropene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Toluene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
trans-1,3-Dichloropropylene	ND	0.0352		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,1,2-Trichloroethane	ND	0.0352		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,3-Dichloropropane	ND	0.0587		mg/Kg-dry	1	11/22/2013 4:02:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 10:40:00 AM

Project: Former Pace National Property

Lab ID: 1311251-007

Matrix: Soil

Client Sample ID: Area1-Base2-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260					Batch ID: 5939	Analyst: GH
Tetrachloroethene (PCE)	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Dibromochloromethane	ND	0.0352		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,2-Dibromoethane (EDB)	ND	0.00587		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Chlorobenzene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0352		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Ethylbenzene	ND	0.0352		mg/Kg-dry	1	11/22/2013 4:02:00 PM
m,p-Xylene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
o-Xylene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Styrene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Isopropylbenzene	ND	0.0940		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Bromoform	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
n-Propylbenzene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Bromobenzene	ND	0.0352		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,3,5-Trimethylbenzene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
2-Chlorotoluene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
4-Chlorotoluene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
tert-Butylbenzene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,2,3-Trichloropropane	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,2,4-Trichlorobenzene	ND	0.0587		mg/Kg-dry	1	11/22/2013 4:02:00 PM
sec-Butylbenzene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
4-Isopropyltoluene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,3-Dichlorobenzene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,4-Dichlorobenzene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
n-Butylbenzene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,2-Dichlorobenzene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0352		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,2,4-Trimethylbenzene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Hexachlorobutadiene	ND	0.117		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Naphthalene	ND	0.0352		mg/Kg-dry	1	11/22/2013 4:02:00 PM
1,2,3-Trichlorobenzene	ND	0.0235		mg/Kg-dry	1	11/22/2013 4:02:00 PM
Surr: Dibromofluoromethane	101	63.7-129		%REC	1	11/22/2013 4:02:00 PM
Surr: Toluene-d8	102	61.4-128		%REC	1	11/22/2013 4:02:00 PM
Surr: 1-Bromo-4-fluorobenzene	103	63.1-141		%REC	1	11/22/2013 4:02:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/21/2013 10:40:00 AM

Project: Former Pace National Property

Lab ID: 1311251-007

Matrix: Soil

Client Sample ID: Area1-Base2-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11215 Analyst: JS

Percent Moisture	19.5			wt%	1	11/21/2013 3:17:10 PM
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Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- RL Reporting Limit

- D Dilution was required
- H Holding times for preparation or analysis exceeded
- ND Not detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 12:47:00 PM

Project: Former Pace National Property

Lab ID: 1311251-008

Matrix: Soil

Client Sample ID: Area6-WSW2-.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 5937	Analyst: BR
Diesel (Fuel Oil)	ND	24.8		mg/Kg-dry	1	11/22/2013 6:54:00 AM
Heavy Oil	ND	61.9		mg/Kg-dry	1	11/22/2013 6:54:00 AM
Surr: 2-Fluorobiphenyl	88.8	50-150		%REC	1	11/22/2013 6:54:00 AM
Surr: o-Terphenyl	92.3	50-150		%REC	1	11/22/2013 6:54:00 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R11215	Analyst: JS
Percent Moisture	17.4			wt%	1	11/21/2013 3:17:10 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311251

Date Reported: 11/22/2013

Client: PES Environmental, Inc.

Collection Date: 11/21/2013 12:52:00 PM

Project: Former Pace National Property

Lab ID: 1311251-009

Matrix: Soil

Client Sample ID: Area6-Base3-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5937

Analyst: BR

Diesel (Fuel Oil)	ND	22.3		mg/Kg-dry	1	11/22/2013 7:25:00 AM
Heavy Oil	ND	55.7		mg/Kg-dry	1	11/22/2013 7:25:00 AM
Surr: 2-Fluorobiphenyl	87.2	50-150		%REC	1	11/22/2013 7:25:00 AM
Surr: o-Terphenyl	91.5	50-150		%REC	1	11/22/2013 7:25:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11215

Analyst: JS

Percent Moisture	16.2			wt%	1	11/21/2013 3:17:10 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1311251
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1311251-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/21/2013	RunNo: 11228							
Client ID: Area1-NSW1-6	Batch ID: 5937		Analysis Date: 11/22/2013	SeqNo: 224069							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	22.3						0		30	
Heavy Oil	ND	55.7						0		30	
Surr: 2-Fluorobiphenyl	18.4		22.26		82.7	50	150		0		
Surr: o-Terphenyl	19.8		22.26		89.1	50	150		0		

Sample ID: LCS-5937	SampType: LCS	Units: mg/Kg	Prep Date: 11/21/2013	RunNo: 11228							
Client ID: LCSS	Batch ID: 5937		Analysis Date: 11/22/2013	SeqNo: 224083							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	455	20.0	500.0	0	91.0	65	135				
Surr: 2-Fluorobiphenyl	18.8		20.00		94.0	50	150				
Surr: o-Terphenyl	18.1		20.00		90.5	50	150				

Sample ID: MB-5937	SampType: MBLK	Units: mg/Kg	Prep Date: 11/21/2013	RunNo: 11228							
Client ID: MBLKS	Batch ID: 5937		Analysis Date: 11/22/2013	SeqNo: 224084							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	16.9		20.00		84.3	50	150				
Surr: o-Terphenyl	18.1		20.00		90.6	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 11/22/2013

Work Order: 1311251
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311251-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/21/2013	RunNo: 11229							
Client ID: Area1-NSW1-6	Batch ID: 5939		Analysis Date: 11/22/2013	SeqNo: 224089							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0558						0		30	
Chloromethane	ND	0.0558						0		30	
Vinyl chloride	ND	0.00186						0		30	
Bromomethane	ND	0.0837						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0465						0		30	
Chloroethane	ND	0.0558						0		30	
1,1-Dichloroethene	ND	0.0465						0		30	
Methylene chloride	ND	0.0186						0		30	
trans-1,2-Dichloroethene	ND	0.0186						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0465						0		30	
1,1-Dichloroethane	ND	0.0186						0		30	
2,2-Dichloropropane	ND	0.0465						0		30	
cis-1,2-Dichloroethene	ND	0.0186						0		30	
Chloroform	ND	0.0186						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0186						0		30	
1,1-Dichloropropene	ND	0.0186						0		30	
Carbon tetrachloride	ND	0.0186						0		30	
1,2-Dichloroethane (EDC)	ND	0.0279						0		30	
Benzene	ND	0.0186						0		30	
Trichloroethene (TCE)	ND	0.0186						0		30	
1,2-Dichloropropane	ND	0.0186						0		30	
Bromodichloromethane	ND	0.0186						0		30	
Dibromomethane	ND	0.0372						0		30	
cis-1,3-Dichloropropene	ND	0.0186						0		30	
Toluene	ND	0.0186						0		30	
trans-1,3-Dichloropropylene	ND	0.0279						0		30	
1,1,2-Trichloroethane	ND	0.0279						0		30	
1,3-Dichloropropane	ND	0.0465						0		30	
Tetrachloroethene (PCE)	ND	0.0186						0		30	

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311251
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311251-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/21/2013	RunNo: 11229							
Client ID: Area1-NSW1-6	Batch ID: 5939		Analysis Date: 11/22/2013	SeqNo: 224089							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	0.0279						0		30	
1,2-Dibromoethane (EDB)	ND	0.00465						0		30	
Chlorobenzene	ND	0.0186						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0279						0		30	
Ethylbenzene	ND	0.0279						0		30	
m,p-Xylene	ND	0.0186						0		30	
o-Xylene	ND	0.0186						0		30	
Styrene	ND	0.0186						0		30	
Isopropylbenzene	ND	0.0744						0		30	
Bromoform	ND	0.0186						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0186						0		30	
n-Propylbenzene	ND	0.0186						0		30	
Bromobenzene	ND	0.0279						0		30	
1,3,5-Trimethylbenzene	ND	0.0186						0		30	
2-Chlorotoluene	ND	0.0186						0		30	
4-Chlorotoluene	ND	0.0186						0		30	
tert-Butylbenzene	ND	0.0186						0		30	
1,2,3-Trichloropropane	ND	0.0186						0		30	
1,2,4-Trichlorobenzene	ND	0.0465						0		30	
sec-Butylbenzene	ND	0.0186						0		30	
4-Isopropyltoluene	ND	0.0186						0		30	
1,3-Dichlorobenzene	ND	0.0186						0		30	
1,4-Dichlorobenzene	ND	0.0186						0		30	
n-Butylbenzene	ND	0.0186						0		30	
1,2-Dichlorobenzene	ND	0.0186						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0279						0		30	
1,2,4-Trimethylbenzene	ND	0.0186						0		30	
Hexachlorobutadiene	ND	0.0930						0		30	
Naphthalene	ND	0.0279						0		30	

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311251
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311251-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/21/2013	RunNo: 11229
Client ID: Area1-NSW1-6	Batch ID: 5939		Analysis Date: 11/22/2013	SeqNo: 224089

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	ND	0.0186						0		30	
Surr: Dibromofluoromethane	2.36		2.325		101	63.7	129		0		
Surr: Toluene-d8	2.34		2.325		101	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.33		2.325		100	63.1	141		0		

NOTES:

R - High RPD due to low analyte concentration. In this range, high RPD's may be expected.

Sample ID: 1311251-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/21/2013	RunNo: 11229
Client ID: Area1-SSW1-6	Batch ID: 5939		Analysis Date: 11/22/2013	SeqNo: 224091

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.440	0.0389	0.6489	0	67.8	43.5	121				
Chloromethane	0.543	0.0389	0.6489	0	83.7	45	130				
Vinyl chloride	0.593	0.00130	0.6489	0	91.3	51.2	146				
Bromomethane	0.585	0.0584	0.6489	0	90.2	21.3	120				
Trichlorofluoromethane (CFC-11)	0.641	0.0324	0.6489	0	98.7	35	131				
Chloroethane	0.603	0.0389	0.6489	0	93.0	43.8	117				
1,1-Dichloroethene	0.690	0.0324	0.6489	0	106	61.9	141				
Methylene chloride	0.712	0.0130	0.6489	0	110	54.7	142				
trans-1,2-Dichloroethene	0.731	0.0130	0.6489	0	113	52	136				
Methyl tert-butyl ether (MTBE)	0.676	0.0324	0.6489	0	104	54.4	132				
1,1-Dichloroethane	0.714	0.0130	0.6489	0	110	51.8	141				
2,2-Dichloropropane	0.701	0.0324	0.6489	0	108	36	123				
cis-1,2-Dichloroethene	0.696	0.0130	0.6489	0	107	58.6	136				
Chloroform	0.712	0.0130	0.6489	0	110	53.2	129				
1,1,1-Trichloroethane (TCA)	0.727	0.0130	0.6489	0	112	58.3	145				
1,1-Dichloropropene	0.726	0.0130	0.6489	0	112	55.1	138				
Carbon tetrachloride	0.732	0.0130	0.6489	0	113	53.3	144				
1,2-Dichloroethane (EDC)	0.692	0.0195	0.6489	0	107	51.3	139				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311251
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311251-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/21/2013	RunNo: 11229
Client ID: Area1-SSW1-6	Batch ID: 5939		Analysis Date: 11/22/2013	SeqNo: 224091

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.701	0.0130	0.6489	0	108	63.5	133				
Trichloroethene (TCE)	0.693	0.0130	0.6489	0	107	68.6	132				
1,2-Dichloropropane	0.702	0.0130	0.6489	0	108	59	136				
Bromodichloromethane	0.686	0.0130	0.6489	0	106	50.7	141				
Dibromomethane	0.688	0.0260	0.6489	0	106	50.6	137				
cis-1,3-Dichloropropene	0.663	0.0130	0.6489	0	102	50.4	138				
Toluene	0.692	0.0130	0.6489	0	107	63.4	132				
trans-1,3-Dichloropropylene	0.680	0.0195	0.6489	0	105	44.1	147				
1,1,2-Trichloroethane	0.687	0.0195	0.6489	0	106	51.6	137				
1,3-Dichloropropane	0.669	0.0324	0.6489	0	103	53.1	134				
Tetrachloroethene (PCE)	0.715	0.0130	0.6489	0	110	35.6	158				
Dibromochloromethane	0.664	0.0195	0.6489	0	102	55.3	140				
1,2-Dibromoethane (EDB)	0.673	0.00324	0.6489	0	104	50.4	136				
Chlorobenzene	0.683	0.0130	0.6489	0	105	60	133				
1,1,1,2-Tetrachloroethane	0.683	0.0195	0.6489	0	105	53.1	142				
Ethylbenzene	0.708	0.0195	0.6489	0	109	54.5	134				
m,p-Xylene	1.43	0.0130	1.298	0	110	53.1	132				
o-Xylene	0.693	0.0130	0.6489	0	107	53.3	139				
Styrene	0.684	0.0130	0.6489	0	105	51.1	132				
Isopropylbenzene	0.471	0.0519	0.6489	0	72.6	58.9	138				
Bromoform	0.667	0.0130	0.6489	0	103	57.9	130				
1,1,2,2-Tetrachloroethane	0.694	0.0130	0.6489	0	107	51.9	131				
n-Propylbenzene	0.713	0.0130	0.6489	0	110	53.6	140				
Bromobenzene	0.680	0.0195	0.6489	0	105	54.2	140				
1,3,5-Trimethylbenzene	0.687	0.0130	0.6489	0	106	51.8	136				
2-Chlorotoluene	0.702	0.0130	0.6489	0	108	51.6	136				
4-Chlorotoluene	0.693	0.0130	0.6489	0	107	50.1	139				
tert-Butylbenzene	0.721	0.0130	0.6489	0	111	50.5	135				
1,2,3-Trichloropropane	0.684	0.0130	0.6489	0	105	50.5	131				

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1311251
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311251-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/21/2013	RunNo: 11229
Client ID: Area1-SSW1-6	Batch ID: 5939		Analysis Date: 11/22/2013	SeqNo: 224091

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	0.689	0.0324	0.6489	0	106	50.8	130				
sec-Butylbenzene	0.716	0.0130	0.6489	0	110	52.6	141				
4-Isopropyltoluene	0.714	0.0130	0.6489	0	110	52.9	134				
1,3-Dichlorobenzene	0.693	0.0130	0.6489	0	107	52.6	131				
1,4-Dichlorobenzene	0.693	0.0130	0.6489	0	107	52.9	129				
n-Butylbenzene	0.723	0.0130	0.6489	0	111	52.6	130				
1,2-Dichlorobenzene	0.678	0.0130	0.6489	0	104	55.8	129				
1,2-Dibromo-3-chloropropane	0.670	0.0195	0.6489	0	103	40.5	131				
1,2,4-Trimethylbenzene	0.698	0.0130	0.6489	0	108	50.6	137				
Hexachlorobutadiene	0.735	0.0649	0.6489	0	113	40.6	158				
Naphthalene	0.700	0.0195	0.6489	0	108	52.3	124				
1,2,3-Trichlorobenzene	0.703	0.0130	0.6489	0	108	54.4	124				
Surr: Dibromofluoromethane	1.63		1.622		100	63.7	129				
Surr: Toluene-d8	1.65		1.622		102	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	1.68		1.622		104	63.1	141				

Sample ID: LCS-5939	SampType: LCS	Units: mg/Kg	Prep Date: 11/21/2013	RunNo: 11229
Client ID: LCSS	Batch ID: 5939		Analysis Date: 11/22/2013	SeqNo: 224095

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.766	0.0600	1.000	0	76.6	37.7	136				
Chloromethane	0.837	0.0600	1.000	0	83.7	38.8	132				
Vinyl chloride	0.889	0.00200	1.000	0	88.9	56.1	130				
Bromomethane	0.770	0.0900	1.000	0	77.0	48.6	147				
Trichlorofluoromethane (CFC-11)	0.964	0.0500	1.000	0	96.4	60.3	132				
Chloroethane	0.896	0.0600	1.000	0	89.6	55.7	135				
1,1-Dichloroethene	0.688	0.0500	1.000	0	68.8	64.6	134				
Methylene chloride	0.994	0.0200	1.000	0	99.4	60.6	140				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311251
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-5939	SampType: LCS	Units: mg/Kg	Prep Date: 11/21/2013	RunNo: 11229
Client ID: LCSS	Batch ID: 5939		Analysis Date: 11/22/2013	SeqNo: 224095

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	1.00	0.0200	1.000	0	100	68.7	127				
Methyl tert-butyl ether (MTBE)	0.965	0.0500	1.000	0	96.5	73.4	128				
1,1-Dichloroethane	0.990	0.0200	1.000	0	99.0	65.5	132				
2,2-Dichloropropane	0.996	0.0500	1.000	0	99.6	28.1	149				
cis-1,2-Dichloroethene	0.963	0.0200	1.000	0	96.3	71.6	123				
Chloroform	1.00	0.0200	1.000	0	100	67.5	129				
1,1,1-Trichloroethane (TCA)	0.959	0.0200	1.000	0	95.9	74.4	130				
1,1-Dichloropropene	0.998	0.0200	1.000	0	99.8	72.7	131				
Carbon tetrachloride	0.967	0.0200	1.000	0	96.7	67.9	126				
1,2-Dichloroethane (EDC)	0.977	0.0300	1.000	0	97.7	68.7	133				
Benzene	0.970	0.0200	1.000	0	97.0	74.6	124				
Trichloroethene (TCE)	1.00	0.0200	1.000	0	100	67.4	133				
1,2-Dichloropropane	0.987	0.0200	1.000	0	98.7	72.7	133				
Bromodichloromethane	0.969	0.0200	1.000	0	96.9	76.1	136				
Dibromomethane	0.988	0.0400	1.000	0	98.8	70	130				
cis-1,3-Dichloropropene	0.992	0.0200	1.000	0	99.2	59.1	143				
Toluene	0.987	0.0200	1.000	0	98.7	79.9	118				
trans-1,3-Dichloropropylene	0.990	0.0300	1.000	0	99.0	49.2	149				
1,1,2-Trichloroethane	0.998	0.0300	1.000	0	99.8	74.5	129				
1,3-Dichloropropane	0.973	0.0500	1.000	0	97.3	70	130				
Tetrachloroethene (PCE)	0.998	0.0200	1.000	0	99.8	52.7	150				
Dibromochloromethane	0.958	0.0300	1.000	0	95.8	70.6	144				
1,2-Dibromoethane (EDB)	0.971	0.00500	1.000	0	97.1	70	130				
Chlorobenzene	0.954	0.0200	1.000	0	95.4	76.1	123				
1,1,1,2-Tetrachloroethane	0.964	0.0300	1.000	0	96.4	74.8	131				
Ethylbenzene	0.983	0.0300	1.000	0	98.3	74	129				
m,p-Xylene	1.95	0.0200	2.000	0	97.7	79.8	128				
o-Xylene	0.970	0.0200	1.000	0	97.0	72.7	124				
Styrene	0.953	0.0200	1.000	0	95.3	76.8	130				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311251
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	1.09	0.0800	1.000	0	109	70	130				
Bromoform	0.954	0.0200	1.000	0	95.4	67	154				
1,1,2,2-Tetrachloroethane	0.996	0.0200	1.000	0	99.6	60	130				
n-Propylbenzene	0.987	0.0200	1.000	0	98.7	78	130				
Bromobenzene	0.971	0.0300	1.000	0	97.1	49.2	144				
1,3,5-Trimethylbenzene	0.960	0.0200	1.000	0	96.0	74.6	123				
2-Chlorotoluene	0.983	0.0200	1.000	0	98.3	76.7	129				
4-Chlorotoluene	0.991	0.0200	1.000	0	99.1	77.5	125				
tert-Butylbenzene	0.993	0.0200	1.000	0	99.3	66.2	130				
1,2,3-Trichloropropane	0.963	0.0200	1.000	0	96.3	67.9	136				
1,2,4-Trichlorobenzene	0.978	0.0500	1.000	0	97.8	65.6	137				
sec-Butylbenzene	0.986	0.0200	1.000	0	98.6	75.6	133				
4-Isopropyltoluene	0.992	0.0200	1.000	0	99.2	76.8	131				
1,3-Dichlorobenzene	0.986	0.0200	1.000	0	98.6	72.8	128				
1,4-Dichlorobenzene	1.02	0.0200	1.000	0	102	72.6	126				
n-Butylbenzene	0.991	0.0200	1.000	0	99.1	65.3	136				
1,2-Dichlorobenzene	0.990	0.0200	1.000	0	99.0	72.8	126				
1,2-Dibromo-3-chloropropane	1.02	0.0300	1.000	0	102	60.3	130				
1,2,4-Trimethylbenzene	0.972	0.0200	1.000	0	97.2	77.5	129				
Hexachlorobutadiene	0.998	0.100	1.000	0	99.8	42	151				
Naphthalene	1.02	0.0300	1.000	0	102	64	130				
1,2,3-Trichlorobenzene	0.996	0.0200	1.000	0	99.6	62.1	140				
Surr: Dibromofluoromethane	2.50		2.500		100	63.7	129				
Surr: Toluene-d8	2.55		2.500		102	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.55		2.500		102	63.1	141				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311251
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-5939	SampType: MBLK	Units: mg/Kg	Prep Date: 11/21/2013	RunNo: 11229							
Client ID: MBLKS	Batch ID: 5939		Analysis Date: 11/22/2013	SeqNo: 224096							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
Methyl tert-butyl ether (MTBE)	ND	0.0500									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
1,1,1-Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane (EDC)	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311251
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-5939	SampType: MBLK	Units: mg/Kg	Prep Date: 11/21/2013	RunNo: 11229							
Client ID: MBLKS	Batch ID: 5939		Analysis Date: 11/22/2013	SeqNo: 224096							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachlorobutadiene	ND	0.100									
Naphthalene	ND	0.0300									

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311251
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-5939	SampType: MBLK	Units: mg/Kg	Prep Date: 11/21/2013	RunNo: 11229							
Client ID: MBLKS	Batch ID: 5939		Analysis Date: 11/22/2013	SeqNo: 224096							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	ND	0.0200									
Surr: Dibromofluoromethane	2.53		2.500		101	63.7	129				
Surr: Toluene-d8	2.54		2.500		101	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.55		2.500		102	63.1	141				

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Client Name: **PES**
 Logged by: **Chelsea Ward**

Work Order Number: **1311251**
 Date Received: **11/21/2013 3:17:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 5. Custody seals intact on shipping container/cooler? Yes No Not Required
 6. Was an attempt made to cool the samples? Yes No NA
 7. Were all coolers received at a temperature of >0°C to 10.0°C? Yes No NA
 8. Sample(s) in proper container(s)? Yes No
 9. Sufficient sample volume for indicated test(s)? Yes No
 10. Are samples properly preserved? Yes No
 11. Was preservative added to bottles? Yes No NA
 12. Is the headspace in the VOA vials? Yes No NA
 13. Did all samples containers arrive in good condition(unbroken)? Yes No
 14. Does paperwork match bottle labels? Yes No
 15. Are matrices correctly identified on Chain of Custody? Yes No
 16. Is it clear what analyses were requested? Yes No
 17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C	Condition
Cooler	8.3	Good
Sample	8.1	Good



Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3799
Fax: 206-352-7179

Client: PES Environmental, Inc.
Address: 1213 4th Ave Suite 1350
City, State, Zip: Seattle WA 98101 Tel: (206) 529-3880

Reports To (PM): Bobbie Rantich Fax: (206) 529-3885 Email: Kramlich@pesci.com

Laboratory Project No (Internal): 1311257
Page: 1 of 1

Project Name: Former Pace National Property
Location: 500 7th Ave S, Kirkland WA 98007
Collected by: C. DeBoer

Project No: 1006.002.03.001

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260) GC/MS (EPA 8210)	Semivolatile Organics (SVOC) GC/MS (EPA 8210)	Hydrocarbon Identification (HID) GC/MS (EPA 8210)	PAH (EPA 8270) SEM GC/MS (EPA 8210)	Chlorides (EPA 8081) (Total Cl / Dissolved Cl)	Nitrates (EPA 8081) (Total N / Dissolved N)	Anions (EPA 8081)	Comments/Depth
1 TRIP BLANK	-	-	-	X	X	X	X	X	X	X	
2 Area1-NSW1-6	11-21-13	0943	Soil	X	X	X	X	X	X	X	
3 Area1-SSW1-6		0950		X	X	X	X	X	X	X	
4 Area1-ESW1-6		1000		X	X	X	X	X	X	X	
5 Area1-SESW1-5		1042		X	X	X	X	X	X	X	
6 Area1-Base1-7		1038		X	X	X	X	X	X	X	
7 Area1-Base2-7		1040		X	X	X	X	X	X	X	
8 Area6-WSW2-5		1247		X	X	X	X	X	X	X	
9 Area6-Base3-4		1252		X	X	X	X	X	X	X	
10											

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al Js B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

Sample Disposal: Return to Client Disposal by Lab (A fee may be assessed if samples are returned after 30 days.)

Relinquished Date/Time: 11/21/13 1517
 x Christa DeBoer Received Date/Time: 11/21/13 1517
 Relinquished Date/Time: 11/21/13 1517 Received Date/Time: 11/21/13 1517
 x

TAT - Next Day 2 Day 3 Day STD



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Kelly Rankich
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Former Pace National Property
Lab ID: 1311264

November 26, 2013

Attention Kelly Rankich:

Fremont Analytical, Inc. received 11 sample(s) on 11/22/2013 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal

CC:
Dan Balbiani



Date: 11/26/2013

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property
Lab Order: 1311264

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1311264-001	Area7-SSW1-6	11/22/2013 9:10 AM	11/22/2013 2:42 PM
1311264-002	Trip Blank	11/18/2013 3:07 PM	11/22/2013 2:42 PM
1311264-003	Area7-Base1-7	11/22/2013 9:18 AM	11/22/2013 2:42 PM
1311264-004	Area7-Base2-7	11/22/2013 9:20 AM	11/22/2013 2:42 PM
1311264-005	Area7-WSW1-6	11/22/2013 9:34 AM	11/22/2013 2:42 PM
1311264-006	Area7-NSW1-6	11/22/2013 10:21 AM	11/22/2013 2:42 PM
1311264-007	Area7-ESW1-6	11/22/2013 10:31 AM	11/22/2013 2:42 PM
1311264-008	Area3-ESW1-8	11/22/2013 10:52 AM	11/22/2013 2:42 PM
1311264-009	Area3-NSW1-8	11/22/2013 10:45 AM	11/22/2013 2:42 PM
1311264-010	Area3-WSW1-8	11/22/2013 10:40 AM	11/22/2013 2:42 PM
1311264-011	Area3-GW1-20131122	11/22/2013 1:30 PM	11/22/2013 2:42 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.

Prep Comments for METHOD (PREP-DX-W), SAMPLE (1311264-011A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311264-001A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311264-003A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311264-004A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311264-005A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311264-006A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311264-007A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311264-009A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311264-010A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311264-008A) required Silica Gel Cleanup Procedure (Using Method No 3630C).



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 9:10:00 AM

Project: Former Pace National Property

Lab ID: 1311264-001

Matrix: Soil

Client Sample ID: Area7-SSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5955

Analyst: BR

Diesel (Fuel Oil)	ND	20.8		mg/Kg-dry	1	11/23/2013 4:37:00 PM
Heavy Oil	ND	52.1		mg/Kg-dry	1	11/23/2013 4:37:00 PM
Surr: 2-Fluorobiphenyl	99.0	50-150		%REC	1	11/23/2013 4:37:00 PM
Surr: o-Terphenyl	102	50-150		%REC	1	11/23/2013 4:37:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11303

Analyst: EM

Gasoline	ND	5.66		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Surr: Toluene-d8	95.2	65-135		%REC	1	11/26/2013 2:24:00 AM
Surr: 4-Bromofluorobenzene	118	65-135		%REC	1	11/26/2013 2:24:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0679		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Chloromethane	ND	0.0679		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Vinyl chloride	ND	0.00226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Bromomethane	ND	0.102		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0566		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Chloroethane	ND	0.0679		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,1-Dichloroethene	ND	0.0566		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Methylene chloride	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
trans-1,2-Dichloroethene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0566		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,1-Dichloroethane	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
2,2-Dichloropropane	ND	0.0566		mg/Kg-dry	1	11/26/2013 2:24:00 AM
cis-1,2-Dichloroethene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Chloroform	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,1-Dichloropropene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Carbon tetrachloride	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,2-Dichloroethane (EDC)	ND	0.0340		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Benzene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Trichloroethene (TCE)	ND	0.0340		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,2-Dichloropropane	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Bromodichloromethane	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 9:10:00 AM

Project: Former Pace National Property

Lab ID: 1311264-001

Matrix: Soil

Client Sample ID: Area7-SSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Dibromomethane	ND	0.0453		mg/Kg-dry	1	11/26/2013 2:24:00 AM
cis-1,3-Dichloropropene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Toluene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
trans-1,3-Dichloropropylene	ND	0.0340		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,1,2-Trichloroethane	ND	0.0340		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,3-Dichloropropane	ND	0.0566		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Tetrachloroethene (PCE)	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Dibromochloromethane	ND	0.0340		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,2-Dibromoethane (EDB)	ND	0.00566		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Chlorobenzene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0340		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Ethylbenzene	ND	0.0340		mg/Kg-dry	1	11/26/2013 2:24:00 AM
m,p-Xylene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
o-Xylene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Styrene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Isopropylbenzene	ND	0.0906		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Bromoform	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
n-Propylbenzene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Bromobenzene	ND	0.0340		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,3,5-Trimethylbenzene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
2-Chlorotoluene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
4-Chlorotoluene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
tert-Butylbenzene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,2,3-Trichloropropane	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,2,4-Trichlorobenzene	ND	0.0566		mg/Kg-dry	1	11/26/2013 2:24:00 AM
sec-Butylbenzene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
4-Isopropyltoluene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,3-Dichlorobenzene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,4-Dichlorobenzene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
n-Butylbenzene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,2-Dichlorobenzene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0340		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,2,4-Trimethylbenzene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Hexachlorobutadiene	ND	0.113		mg/Kg-dry	1	11/26/2013 2:24:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 9:10:00 AM

Project: Former Pace National Property

Lab ID: 1311264-001

Matrix: Soil

Client Sample ID: Area7-SSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Naphthalene	ND	0.0340		mg/Kg-dry	1	11/26/2013 2:24:00 AM
1,2,3-Trichlorobenzene	ND	0.0226		mg/Kg-dry	1	11/26/2013 2:24:00 AM
Surr: Dibromofluoromethane	114	63.7-129		%REC	1	11/26/2013 2:24:00 AM
Surr: Toluene-d8	112	61.4-128		%REC	1	11/26/2013 2:24:00 AM
Surr: 1-Bromo-4-fluorobenzene	105	63.1-141		%REC	1	11/26/2013 2:24:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11279

Analyst: JS

Percent Moisture	17.6			wt%	1	11/25/2013 5:39:56 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/18/2013 3:07:00 PM

Project: Former Pace National Property

Lab ID: 1311264-002

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260					Batch ID: 5956	Analyst: GH
Dichlorodifluoromethane (CFC-12)	ND	0.0600		mg/Kg	1	11/26/2013 1:57:00 AM
Chloromethane	ND	0.0600		mg/Kg	1	11/26/2013 1:57:00 AM
Vinyl chloride	ND	0.00200		mg/Kg	1	11/26/2013 1:57:00 AM
Bromomethane	ND	0.0900		mg/Kg	1	11/26/2013 1:57:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	11/26/2013 1:57:00 AM
Chloroethane	ND	0.0600		mg/Kg	1	11/26/2013 1:57:00 AM
1,1-Dichloroethene	ND	0.0500		mg/Kg	1	11/26/2013 1:57:00 AM
Methylene chloride	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
trans-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0500		mg/Kg	1	11/26/2013 1:57:00 AM
1,1-Dichloroethane	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
2,2-Dichloropropane	ND	0.0500		mg/Kg	1	11/26/2013 1:57:00 AM
cis-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
Chloroform	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
1,1-Dichloropropene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
Carbon tetrachloride	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
1,2-Dichloroethane (EDC)	ND	0.0300		mg/Kg	1	11/26/2013 1:57:00 AM
Benzene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
Trichloroethene (TCE)	ND	0.0300		mg/Kg	1	11/26/2013 1:57:00 AM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
Bromodichloromethane	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
Dibromomethane	ND	0.0400		mg/Kg	1	11/26/2013 1:57:00 AM
cis-1,3-Dichloropropene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
Toluene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
trans-1,3-Dichloropropylene	ND	0.0300		mg/Kg	1	11/26/2013 1:57:00 AM
1,1,2-Trichloroethane	ND	0.0300		mg/Kg	1	11/26/2013 1:57:00 AM
1,3-Dichloropropane	ND	0.0500		mg/Kg	1	11/26/2013 1:57:00 AM
Tetrachloroethene (PCE)	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
Dibromochloromethane	ND	0.0300		mg/Kg	1	11/26/2013 1:57:00 AM
1,2-Dibromoethane (EDB)	ND	0.00500		mg/Kg	1	11/26/2013 1:57:00 AM
Chlorobenzene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0300		mg/Kg	1	11/26/2013 1:57:00 AM
Ethylbenzene	ND	0.0300		mg/Kg	1	11/26/2013 1:57:00 AM
m,p-Xylene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/18/2013 3:07:00 PM

Project: Former Pace National Property

Lab ID: 1311264-002

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260					Batch ID: 5956	Analyst: GH
o-Xylene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
Styrene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
Isopropylbenzene	ND	0.0800		mg/Kg	1	11/26/2013 1:57:00 AM
Bromoform	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
n-Propylbenzene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
Bromobenzene	ND	0.0300		mg/Kg	1	11/26/2013 1:57:00 AM
1,3,5-Trimethylbenzene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
2-Chlorotoluene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
4-Chlorotoluene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
tert-Butylbenzene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
1,2,3-Trichloropropane	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
1,2,4-Trichlorobenzene	ND	0.0500		mg/Kg	1	11/26/2013 1:57:00 AM
sec-Butylbenzene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
4-Isopropyltoluene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
1,3-Dichlorobenzene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
1,4-Dichlorobenzene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
n-Butylbenzene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
1,2-Dichlorobenzene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0300		mg/Kg	1	11/26/2013 1:57:00 AM
1,2,4-Trimethylbenzene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
Hexachlorobutadiene	ND	0.100		mg/Kg	1	11/26/2013 1:57:00 AM
Naphthalene	ND	0.0300		mg/Kg	1	11/26/2013 1:57:00 AM
1,2,3-Trichlorobenzene	ND	0.0200		mg/Kg	1	11/26/2013 1:57:00 AM
Surr: Dibromofluoromethane	111	63.7-129		%REC	1	11/26/2013 1:57:00 AM
Surr: Toluene-d8	113	61.4-128		%REC	1	11/26/2013 1:57:00 AM
Surr: 1-Bromo-4-fluorobenzene	100	63.1-141		%REC	1	11/26/2013 1:57:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 9:18:00 AM

Project: Former Pace National Property

Lab ID: 1311264-003

Matrix: Soil

Client Sample ID: Area7-Base1-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5955

Analyst: BR

Diesel (Fuel Oil)	ND	19.4		mg/Kg-dry	1	11/23/2013 5:09:00 PM
Heavy Oil	ND	48.4		mg/Kg-dry	1	11/23/2013 5:09:00 PM
Surr: 2-Fluorobiphenyl	99.0	50-150		%REC	1	11/23/2013 5:09:00 PM
Surr: o-Terphenyl	102	50-150		%REC	1	11/23/2013 5:09:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11303

Analyst: EM

Gasoline	ND	5.39		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Surr: Toluene-d8	96.8	65-135		%REC	1	11/26/2013 2:51:00 AM
Surr: 4-Bromofluorobenzene	118	65-135		%REC	1	11/26/2013 2:51:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0647		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Chloromethane	ND	0.0647		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Vinyl chloride	ND	0.00216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Bromomethane	ND	0.0971		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0539		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Chloroethane	ND	0.0647		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,1-Dichloroethene	ND	0.0539		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Methylene chloride	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
trans-1,2-Dichloroethene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0539		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,1-Dichloroethane	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
2,2-Dichloropropane	ND	0.0539		mg/Kg-dry	1	11/26/2013 2:51:00 AM
cis-1,2-Dichloroethene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Chloroform	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,1-Dichloropropene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Carbon tetrachloride	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,2-Dichloroethane (EDC)	ND	0.0324		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Benzene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Trichloroethene (TCE)	ND	0.0324		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,2-Dichloropropane	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Bromodichloromethane	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 9:18:00 AM

Project: Former Pace National Property

Lab ID: 1311264-003

Matrix: Soil

Client Sample ID: Area7-Base1-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Dibromomethane	ND	0.0431		mg/Kg-dry	1	11/26/2013 2:51:00 AM
cis-1,3-Dichloropropene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Toluene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
trans-1,3-Dichloropropylene	ND	0.0324		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,1,2-Trichloroethane	ND	0.0324		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,3-Dichloropropane	ND	0.0539		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Tetrachloroethene (PCE)	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Dibromochloromethane	ND	0.0324		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,2-Dibromoethane (EDB)	ND	0.00539		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Chlorobenzene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0324		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Ethylbenzene	ND	0.0324		mg/Kg-dry	1	11/26/2013 2:51:00 AM
m,p-Xylene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
o-Xylene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Styrene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Isopropylbenzene	ND	0.0863		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Bromoform	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
n-Propylbenzene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Bromobenzene	ND	0.0324		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,3,5-Trimethylbenzene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
2-Chlorotoluene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
4-Chlorotoluene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
tert-Butylbenzene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,2,3-Trichloropropane	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,2,4-Trichlorobenzene	ND	0.0539		mg/Kg-dry	1	11/26/2013 2:51:00 AM
sec-Butylbenzene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
4-Isopropyltoluene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,3-Dichlorobenzene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,4-Dichlorobenzene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
n-Butylbenzene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,2-Dichlorobenzene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0324		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,2,4-Trimethylbenzene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Hexachlorobutadiene	ND	0.108		mg/Kg-dry	1	11/26/2013 2:51:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 9:18:00 AM

Project: Former Pace National Property

Lab ID: 1311264-003

Matrix: Soil

Client Sample ID: Area7-Base1-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Naphthalene	ND	0.0324		mg/Kg-dry	1	11/26/2013 2:51:00 AM
1,2,3-Trichlorobenzene	ND	0.0216		mg/Kg-dry	1	11/26/2013 2:51:00 AM
Surr: Dibromofluoromethane	113	63.7-129		%REC	1	11/26/2013 2:51:00 AM
Surr: Toluene-d8	114	61.4-128		%REC	1	11/26/2013 2:51:00 AM
Surr: 1-Bromo-4-fluorobenzene	105	63.1-141		%REC	1	11/26/2013 2:51:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11279

Analyst: JS

Percent Moisture	12.5			wt%	1	11/25/2013 5:39:56 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 9:20:00 AM

Project: Former Pace National Property

Lab ID: 1311264-004

Matrix: Soil

Client Sample ID: Area7-Base2-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5955

Analyst: BR

Diesel (Fuel Oil)	ND	19.4		mg/Kg-dry	1	11/23/2013 5:41:00 PM
Heavy Oil	ND	48.4		mg/Kg-dry	1	11/23/2013 5:41:00 PM
Surr: 2-Fluorobiphenyl	101	50-150		%REC	1	11/23/2013 5:41:00 PM
Surr: o-Terphenyl	103	50-150		%REC	1	11/23/2013 5:41:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11303

Analyst: EM

Gasoline	ND	5.00		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Surr: Toluene-d8	95.2	65-135		%REC	1	11/26/2013 4:38:00 AM
Surr: 4-Bromofluorobenzene	116	65-135		%REC	1	11/26/2013 4:38:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0600		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Chloromethane	ND	0.0600		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Vinyl chloride	ND	0.00200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Bromomethane	ND	0.0900		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Chloroethane	ND	0.0600		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,1-Dichloroethene	ND	0.0500		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Methylene chloride	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
trans-1,2-Dichloroethene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0500		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,1-Dichloroethane	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
2,2-Dichloropropane	ND	0.0500		mg/Kg-dry	1	11/26/2013 4:38:00 AM
cis-1,2-Dichloroethene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Chloroform	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,1-Dichloropropene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Carbon tetrachloride	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,2-Dichloroethane (EDC)	ND	0.0300		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Benzene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Trichloroethene (TCE)	ND	0.0300		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,2-Dichloropropane	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Bromodichloromethane	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 9:20:00 AM

Project: Former Pace National Property

Lab ID: 1311264-004

Matrix: Soil

Client Sample ID: Area7-Base2-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Dibromomethane	ND	0.0400		mg/Kg-dry	1	11/26/2013 4:38:00 AM
cis-1,3-Dichloropropene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Toluene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
trans-1,3-Dichloropropylene	ND	0.0300		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,1,2-Trichloroethane	ND	0.0300		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,3-Dichloropropane	ND	0.0500		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Tetrachloroethene (PCE)	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Dibromochloromethane	ND	0.0300		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,2-Dibromoethane (EDB)	ND	0.00500		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Chlorobenzene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0300		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Ethylbenzene	ND	0.0300		mg/Kg-dry	1	11/26/2013 4:38:00 AM
m,p-Xylene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
o-Xylene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Styrene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Isopropylbenzene	ND	0.0800		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Bromoform	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
n-Propylbenzene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Bromobenzene	ND	0.0300		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,3,5-Trimethylbenzene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
2-Chlorotoluene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
4-Chlorotoluene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
tert-Butylbenzene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,2,3-Trichloropropane	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,2,4-Trichlorobenzene	ND	0.0500		mg/Kg-dry	1	11/26/2013 4:38:00 AM
sec-Butylbenzene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
4-Isopropyltoluene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,3-Dichlorobenzene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,4-Dichlorobenzene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
n-Butylbenzene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,2-Dichlorobenzene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0300		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,2,4-Trimethylbenzene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Hexachlorobutadiene	ND	0.100		mg/Kg-dry	1	11/26/2013 4:38:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 9:20:00 AM

Project: Former Pace National Property

Lab ID: 1311264-004

Matrix: Soil

Client Sample ID: Area7-Base2-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Naphthalene	ND	0.0300		mg/Kg-dry	1	11/26/2013 4:38:00 AM
1,2,3-Trichlorobenzene	ND	0.0200		mg/Kg-dry	1	11/26/2013 4:38:00 AM
Surr: Dibromofluoromethane	114	63.7-129		%REC	1	11/26/2013 4:38:00 AM
Surr: Toluene-d8	113	61.4-128		%REC	1	11/26/2013 4:38:00 AM
Surr: 1-Bromo-4-fluorobenzene	104	63.1-141		%REC	1	11/26/2013 4:38:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11279

Analyst: JS

Percent Moisture	11.6			wt%	1	11/25/2013 5:39:56 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1311264-005
Client Sample ID: Area7-WSW1-6

Collection Date: 11/22/2013 9:34:00 AM

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5955

Analyst: BR

Diesel (Fuel Oil)	25.9	23.1		mg/Kg-dry	1	11/23/2013 6:12:00 PM
Heavy Oil	ND	57.8		mg/Kg-dry	1	11/23/2013 6:12:00 PM
Surr: 2-Fluorobiphenyl	98.0	50-150		%REC	1	11/23/2013 6:12:00 PM
Surr: o-Terphenyl	101	50-150		%REC	1	11/23/2013 6:12:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11303

Analyst: EM

Gasoline	ND	5.62		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Surr: Toluene-d8	95.4	65-135		%REC	1	11/26/2013 5:05:00 AM
Surr: 4-Bromofluorobenzene	114	65-135		%REC	1	11/26/2013 5:05:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0675		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Chloromethane	ND	0.0675		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Vinyl chloride	ND	0.00225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Bromomethane	ND	0.101		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0562		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Chloroethane	ND	0.0675		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,1-Dichloroethene	ND	0.0562		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Methylene chloride	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
trans-1,2-Dichloroethene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0562		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,1-Dichloroethane	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
2,2-Dichloropropane	ND	0.0562		mg/Kg-dry	1	11/26/2013 5:05:00 AM
cis-1,2-Dichloroethene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Chloroform	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,1-Dichloropropene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Carbon tetrachloride	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,2-Dichloroethane (EDC)	ND	0.0337		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Benzene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Trichloroethene (TCE)	ND	0.0337		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,2-Dichloropropane	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Bromodichloromethane	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 9:34:00 AM

Project: Former Pace National Property

Lab ID: 1311264-005

Matrix: Soil

Client Sample ID: Area7-WSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Dibromomethane	ND	0.0450		mg/Kg-dry	1	11/26/2013 5:05:00 AM
cis-1,3-Dichloropropene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Toluene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
trans-1,3-Dichloropropylene	ND	0.0337		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,1,2-Trichloroethane	ND	0.0337		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,3-Dichloropropane	ND	0.0562		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Tetrachloroethene (PCE)	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Dibromochloromethane	ND	0.0337		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,2-Dibromoethane (EDB)	ND	0.00562		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Chlorobenzene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0337		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Ethylbenzene	ND	0.0337		mg/Kg-dry	1	11/26/2013 5:05:00 AM
m,p-Xylene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
o-Xylene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Styrene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Isopropylbenzene	ND	0.0899		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Bromoform	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
n-Propylbenzene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Bromobenzene	ND	0.0337		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,3,5-Trimethylbenzene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
2-Chlorotoluene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
4-Chlorotoluene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
tert-Butylbenzene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,2,3-Trichloropropane	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,2,4-Trichlorobenzene	ND	0.0562		mg/Kg-dry	1	11/26/2013 5:05:00 AM
sec-Butylbenzene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
4-Isopropyltoluene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,3-Dichlorobenzene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,4-Dichlorobenzene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
n-Butylbenzene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,2-Dichlorobenzene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0337		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,2,4-Trimethylbenzene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Hexachlorobutadiene	ND	0.112		mg/Kg-dry	1	11/26/2013 5:05:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 9:34:00 AM

Project: Former Pace National Property

Lab ID: 1311264-005

Matrix: Soil

Client Sample ID: Area7-WSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Naphthalene	ND	0.0337		mg/Kg-dry	1	11/26/2013 5:05:00 AM
1,2,3-Trichlorobenzene	ND	0.0225		mg/Kg-dry	1	11/26/2013 5:05:00 AM
Surr: Dibromofluoromethane	114	63.7-129		%REC	1	11/26/2013 5:05:00 AM
Surr: Toluene-d8	111	61.4-128		%REC	1	11/26/2013 5:05:00 AM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/26/2013 5:05:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11279

Analyst: JS

Percent Moisture	15.7			wt%	1	11/25/2013 5:39:56 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:21:00 AM

Project: Former Pace National Property

Lab ID: 1311264-006

Matrix: Soil

Client Sample ID: Area7-NSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5955

Analyst: BR

Diesel (Fuel Oil)	ND	22.4		mg/Kg-dry	1	11/23/2013 6:44:00 PM
Heavy Oil	ND	55.9		mg/Kg-dry	1	11/23/2013 6:44:00 PM
Surr: 2-Fluorobiphenyl	102	50-150		%REC	1	11/23/2013 6:44:00 PM
Surr: o-Terphenyl	104	50-150		%REC	1	11/23/2013 6:44:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11303

Analyst: EM

Gasoline	ND	6.04		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Surr: Toluene-d8	94.5	65-135		%REC	1	11/26/2013 5:32:00 AM
Surr: 4-Bromofluorobenzene	112	65-135		%REC	1	11/26/2013 5:32:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0724		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Chloromethane	ND	0.0724		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Vinyl chloride	ND	0.00241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Bromomethane	ND	0.109		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0604		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Chloroethane	ND	0.0724		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,1-Dichloroethene	ND	0.0604		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Methylene chloride	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
trans-1,2-Dichloroethene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0604		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,1-Dichloroethane	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
2,2-Dichloropropane	ND	0.0604		mg/Kg-dry	1	11/26/2013 5:32:00 AM
cis-1,2-Dichloroethene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Chloroform	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,1-Dichloropropene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Carbon tetrachloride	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,2-Dichloroethane (EDC)	ND	0.0362		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Benzene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Trichloroethene (TCE)	ND	0.0362		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,2-Dichloropropane	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Bromodichloromethane	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:21:00 AM

Project: Former Pace National Property

Lab ID: 1311264-006

Matrix: Soil

Client Sample ID: Area7-NSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Dibromomethane	ND	0.0483		mg/Kg-dry	1	11/26/2013 5:32:00 AM
cis-1,3-Dichloropropene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Toluene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
trans-1,3-Dichloropropylene	ND	0.0362		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,1,2-Trichloroethane	ND	0.0362		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,3-Dichloropropane	ND	0.0604		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Tetrachloroethene (PCE)	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Dibromochloromethane	ND	0.0362		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,2-Dibromoethane (EDB)	ND	0.00604		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Chlorobenzene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0362		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Ethylbenzene	ND	0.0362		mg/Kg-dry	1	11/26/2013 5:32:00 AM
m,p-Xylene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
o-Xylene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Styrene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Isopropylbenzene	ND	0.0966		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Bromoform	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
n-Propylbenzene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Bromobenzene	ND	0.0362		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,3,5-Trimethylbenzene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
2-Chlorotoluene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
4-Chlorotoluene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
tert-Butylbenzene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,2,3-Trichloropropane	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,2,4-Trichlorobenzene	ND	0.0604		mg/Kg-dry	1	11/26/2013 5:32:00 AM
sec-Butylbenzene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
4-Isopropyltoluene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,3-Dichlorobenzene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,4-Dichlorobenzene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
n-Butylbenzene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,2-Dichlorobenzene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0362		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,2,4-Trimethylbenzene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Hexachlorobutadiene	ND	0.121		mg/Kg-dry	1	11/26/2013 5:32:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:21:00 AM

Project: Former Pace National Property

Lab ID: 1311264-006

Matrix: Soil

Client Sample ID: Area7-NSW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Naphthalene	ND	0.0362		mg/Kg-dry	1	11/26/2013 5:32:00 AM
1,2,3-Trichlorobenzene	ND	0.0241		mg/Kg-dry	1	11/26/2013 5:32:00 AM
Surr: Dibromofluoromethane	112	63.7-129		%REC	1	11/26/2013 5:32:00 AM
Surr: Toluene-d8	113	61.4-128		%REC	1	11/26/2013 5:32:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.3	63.1-141		%REC	1	11/26/2013 5:32:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11279

Analyst: JS

Percent Moisture	17.3			wt%	1	11/25/2013 5:39:56 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:31:00 AM

Project: Former Pace National Property

Lab ID: 1311264-007

Matrix: Soil

Client Sample ID: Area7-ESW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5955

Analyst: BR

Diesel (Fuel Oil)	ND	24.7		mg/Kg-dry	1	11/23/2013 7:16:00 PM
Heavy Oil	ND	61.6		mg/Kg-dry	1	11/23/2013 7:16:00 PM
Surr: 2-Fluorobiphenyl	100	50-150		%REC	1	11/23/2013 7:16:00 PM
Surr: o-Terphenyl	103	50-150		%REC	1	11/23/2013 7:16:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11303

Analyst: EM

Gasoline	ND	5.78		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Surr: Toluene-d8	94.2	65-135		%REC	1	11/26/2013 5:59:00 AM
Surr: 4-Bromofluorobenzene	112	65-135		%REC	1	11/26/2013 5:59:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0694		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Chloromethane	ND	0.0694		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Vinyl chloride	ND	0.00231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Bromomethane	ND	0.104		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0578		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Chloroethane	ND	0.0694		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,1-Dichloroethene	ND	0.0578		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Methylene chloride	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
trans-1,2-Dichloroethene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0578		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,1-Dichloroethane	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
2,2-Dichloropropane	ND	0.0578		mg/Kg-dry	1	11/26/2013 5:59:00 AM
cis-1,2-Dichloroethene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Chloroform	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,1-Dichloropropene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Carbon tetrachloride	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,2-Dichloroethane (EDC)	ND	0.0347		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Benzene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Trichloroethene (TCE)	ND	0.0347		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,2-Dichloropropane	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Bromodichloromethane	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:31:00 AM

Project: Former Pace National Property

Lab ID: 1311264-007

Matrix: Soil

Client Sample ID: Area7-ESW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260					Batch ID: 5956	Analyst: GH
Dibromomethane	ND	0.0463		mg/Kg-dry	1	11/26/2013 5:59:00 AM
cis-1,3-Dichloropropene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Toluene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
trans-1,3-Dichloropropylene	ND	0.0347		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,1,2-Trichloroethane	ND	0.0347		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,3-Dichloropropane	ND	0.0578		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Tetrachloroethene (PCE)	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Dibromochloromethane	ND	0.0347		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,2-Dibromoethane (EDB)	ND	0.00578		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Chlorobenzene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0347		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Ethylbenzene	ND	0.0347		mg/Kg-dry	1	11/26/2013 5:59:00 AM
m,p-Xylene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
o-Xylene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Styrene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Isopropylbenzene	ND	0.0925		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Bromoform	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
n-Propylbenzene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Bromobenzene	ND	0.0347		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,3,5-Trimethylbenzene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
2-Chlorotoluene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
4-Chlorotoluene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
tert-Butylbenzene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,2,3-Trichloropropane	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,2,4-Trichlorobenzene	ND	0.0578		mg/Kg-dry	1	11/26/2013 5:59:00 AM
sec-Butylbenzene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
4-Isopropyltoluene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,3-Dichlorobenzene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,4-Dichlorobenzene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
n-Butylbenzene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,2-Dichlorobenzene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0347		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,2,4-Trimethylbenzene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Hexachlorobutadiene	ND	0.116		mg/Kg-dry	1	11/26/2013 5:59:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:31:00 AM

Project: Former Pace National Property

Lab ID: 1311264-007

Matrix: Soil

Client Sample ID: Area7-ESW1-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Naphthalene	ND	0.0347		mg/Kg-dry	1	11/26/2013 5:59:00 AM
1,2,3-Trichlorobenzene	ND	0.0231		mg/Kg-dry	1	11/26/2013 5:59:00 AM
Surr: Dibromofluoromethane	115	63.7-129		%REC	1	11/26/2013 5:59:00 AM
Surr: Toluene-d8	113	61.4-128		%REC	1	11/26/2013 5:59:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.2	63.1-141		%REC	1	11/26/2013 5:59:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11279

Analyst: JS

Percent Moisture	19.4			wt%	1	11/25/2013 5:39:56 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:52:00 AM

Project: Former Pace National Property

Lab ID: 1311264-008

Matrix: Soil

Client Sample ID: Area3-ESW1-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: R11303 Analyst: EM

Gasoline	ND	5.47		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Surr: Toluene-d8	95.4	65-135		%REC	1	11/26/2013 6:26:00 AM
Surr: 4-Bromofluorobenzene	111	65-135		%REC	1	11/26/2013 6:26:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956 Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0657		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Chloromethane	ND	0.0657		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Vinyl chloride	ND	0.00219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Bromomethane	ND	0.0985		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0547		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Chloroethane	ND	0.0657		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,1-Dichloroethene	ND	0.0547		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Methylene chloride	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
trans-1,2-Dichloroethene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0547		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,1-Dichloroethane	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
2,2-Dichloropropane	ND	0.0547		mg/Kg-dry	1	11/26/2013 6:26:00 AM
cis-1,2-Dichloroethene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Chloroform	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,1-Dichloropropene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Carbon tetrachloride	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,2-Dichloroethane (EDC)	ND	0.0328		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Benzene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Trichloroethene (TCE)	ND	0.0328		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,2-Dichloropropane	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Bromodichloromethane	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Dibromomethane	ND	0.0438		mg/Kg-dry	1	11/26/2013 6:26:00 AM
cis-1,3-Dichloropropene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Toluene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
trans-1,3-Dichloropropylene	ND	0.0328		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,1,2-Trichloroethane	ND	0.0328		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,3-Dichloropropane	ND	0.0547		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Tetrachloroethene (PCE)	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM

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



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:52:00 AM

Project: Former Pace National Property

Lab ID: 1311264-008

Matrix: Soil

Client Sample ID: Area3-ESW1-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260					Batch ID: 5956	Analyst: GH
Dibromochloromethane	ND	0.0328		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,2-Dibromoethane (EDB)	ND	0.00547		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Chlorobenzene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0328		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Ethylbenzene	ND	0.0328		mg/Kg-dry	1	11/26/2013 6:26:00 AM
m,p-Xylene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
o-Xylene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Styrene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Isopropylbenzene	ND	0.0876		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Bromoform	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
n-Propylbenzene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Bromobenzene	ND	0.0328		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,3,5-Trimethylbenzene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
2-Chlorotoluene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
4-Chlorotoluene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
tert-Butylbenzene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,2,3-Trichloropropane	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,2,4-Trichlorobenzene	ND	0.0547		mg/Kg-dry	1	11/26/2013 6:26:00 AM
sec-Butylbenzene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
4-Isopropyltoluene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,3-Dichlorobenzene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,4-Dichlorobenzene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
n-Butylbenzene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,2-Dichlorobenzene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0328		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,2,4-Trimethylbenzene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Hexachlorobutadiene	ND	0.109		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Naphthalene	ND	0.0328		mg/Kg-dry	1	11/26/2013 6:26:00 AM
1,2,3-Trichlorobenzene	ND	0.0219		mg/Kg-dry	1	11/26/2013 6:26:00 AM
Surr: Dibromofluoromethane	113	63.7-129		%REC	1	11/26/2013 6:26:00 AM
Surr: Toluene-d8	114	61.4-128		%REC	1	11/26/2013 6:26:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.4	63.1-141		%REC	1	11/26/2013 6:26:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:52:00 AM

Project: Former Pace National Property

Lab ID: 1311264-008

Matrix: Soil

Client Sample ID: Area3-ESW1-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11279 Analyst: JS

Percent Moisture	18.6			wt%	1	11/25/2013 5:39:56 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:45:00 AM

Project: Former Pace National Property

Lab ID: 1311264-009

Matrix: Soil

Client Sample ID: Area3-NSW1-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: R11303 Analyst: EM

Gasoline	ND	5.70		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Surr: Toluene-d8	93.6	65-135		%REC	1	11/26/2013 6:53:00 AM
Surr: 4-Bromofluorobenzene	113	65-135		%REC	1	11/26/2013 6:53:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956 Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0683		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Chloromethane	ND	0.0683		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Vinyl chloride	ND	0.00228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Bromomethane	ND	0.103		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0570		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Chloroethane	ND	0.0683		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,1-Dichloroethene	ND	0.0570		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Methylene chloride	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
trans-1,2-Dichloroethene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0570		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,1-Dichloroethane	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
2,2-Dichloropropane	ND	0.0570		mg/Kg-dry	1	11/26/2013 6:53:00 AM
cis-1,2-Dichloroethene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Chloroform	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,1-Dichloropropene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Carbon tetrachloride	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,2-Dichloroethane (EDC)	ND	0.0342		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Benzene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Trichloroethene (TCE)	ND	0.0342		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,2-Dichloropropane	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Bromodichloromethane	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Dibromomethane	ND	0.0456		mg/Kg-dry	1	11/26/2013 6:53:00 AM
cis-1,3-Dichloropropene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Toluene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
trans-1,3-Dichloropropylene	ND	0.0342		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,1,2-Trichloroethane	ND	0.0342		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,3-Dichloropropane	ND	0.0570		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Tetrachloroethene (PCE)	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM

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



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:45:00 AM

Project: Former Pace National Property

Lab ID: 1311264-009

Matrix: Soil

Client Sample ID: Area3-NSW1-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Dibromochloromethane	ND	0.0342		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,2-Dibromoethane (EDB)	ND	0.00570		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Chlorobenzene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0342		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Ethylbenzene	ND	0.0342		mg/Kg-dry	1	11/26/2013 6:53:00 AM
m,p-Xylene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
o-Xylene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Styrene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Isopropylbenzene	ND	0.0911		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Bromoform	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
n-Propylbenzene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Bromobenzene	ND	0.0342		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,3,5-Trimethylbenzene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
2-Chlorotoluene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
4-Chlorotoluene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
tert-Butylbenzene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,2,3-Trichloropropane	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,2,4-Trichlorobenzene	ND	0.0570		mg/Kg-dry	1	11/26/2013 6:53:00 AM
sec-Butylbenzene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
4-Isopropyltoluene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,3-Dichlorobenzene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,4-Dichlorobenzene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
n-Butylbenzene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,2-Dichlorobenzene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0342		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,2,4-Trimethylbenzene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Hexachlorobutadiene	ND	0.114		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Naphthalene	ND	0.0342		mg/Kg-dry	1	11/26/2013 6:53:00 AM
1,2,3-Trichlorobenzene	ND	0.0228		mg/Kg-dry	1	11/26/2013 6:53:00 AM
Surr: Dibromofluoromethane	113	63.7-129		%REC	1	11/26/2013 6:53:00 AM
Surr: Toluene-d8	112	61.4-128		%REC	1	11/26/2013 6:53:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	11/26/2013 6:53:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:45:00 AM

Project: Former Pace National Property

Lab ID: 1311264-009

Matrix: Soil

Client Sample ID: Area3-NSW1-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11279 Analyst: JS

Percent Moisture	18.1			wt%	1	11/25/2013 5:39:56 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:40:00 AM

Project: Former Pace National Property

Lab ID: 1311264-010

Matrix: Soil

Client Sample ID: Area3-WSW1-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: R11303 Analyst: EM

Gasoline	ND	6.45		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Surr: Toluene-d8	94.1	65-135		%REC	1	11/26/2013 7:20:00 AM
Surr: 4-Bromofluorobenzene	119	65-135		%REC	1	11/26/2013 7:20:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956 Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	0.0774		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Chloromethane	ND	0.0774		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Vinyl chloride	ND	0.00258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Bromomethane	ND	0.116		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0645		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Chloroethane	ND	0.0774		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,1-Dichloroethene	ND	0.0645		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Methylene chloride	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
trans-1,2-Dichloroethene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0645		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,1-Dichloroethane	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
2,2-Dichloropropane	ND	0.0645		mg/Kg-dry	1	11/26/2013 7:20:00 AM
cis-1,2-Dichloroethene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Chloroform	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,1-Dichloropropene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Carbon tetrachloride	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,2-Dichloroethane (EDC)	ND	0.0387		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Benzene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Trichloroethene (TCE)	ND	0.0387		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,2-Dichloropropane	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Bromodichloromethane	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Dibromomethane	ND	0.0516		mg/Kg-dry	1	11/26/2013 7:20:00 AM
cis-1,3-Dichloropropene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Toluene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
trans-1,3-Dichloropropylene	ND	0.0387		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,1,2-Trichloroethane	ND	0.0387		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,3-Dichloropropane	ND	0.0645		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Tetrachloroethene (PCE)	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM

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



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:40:00 AM

Project: Former Pace National Property

Lab ID: 1311264-010

Matrix: Soil

Client Sample ID: Area3-WSW1-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5956

Analyst: GH

Dibromochloromethane	ND	0.0387		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,2-Dibromoethane (EDB)	ND	0.00645		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Chlorobenzene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0387		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Ethylbenzene	ND	0.0387		mg/Kg-dry	1	11/26/2013 7:20:00 AM
m,p-Xylene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
o-Xylene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Styrene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Isopropylbenzene	ND	0.103		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Bromoform	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
n-Propylbenzene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Bromobenzene	ND	0.0387		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,3,5-Trimethylbenzene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
2-Chlorotoluene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
4-Chlorotoluene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
tert-Butylbenzene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,2,3-Trichloropropane	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,2,4-Trichlorobenzene	ND	0.0645		mg/Kg-dry	1	11/26/2013 7:20:00 AM
sec-Butylbenzene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
4-Isopropyltoluene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,3-Dichlorobenzene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,4-Dichlorobenzene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
n-Butylbenzene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,2-Dichlorobenzene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0387		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,2,4-Trimethylbenzene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Hexachlorobutadiene	ND	0.129		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Naphthalene	ND	0.0387		mg/Kg-dry	1	11/26/2013 7:20:00 AM
1,2,3-Trichlorobenzene	ND	0.0258		mg/Kg-dry	1	11/26/2013 7:20:00 AM
Surr: Dibromofluoromethane	113	63.7-129		%REC	1	11/26/2013 7:20:00 AM
Surr: Toluene-d8	113	61.4-128		%REC	1	11/26/2013 7:20:00 AM
Surr: 1-Bromo-4-fluorobenzene	106	63.1-141		%REC	1	11/26/2013 7:20:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/22/2013 10:40:00 AM

Project: Former Pace National Property

Lab ID: 1311264-010

Matrix: Soil

Client Sample ID: Area3-WSW1-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11279 Analyst: JS

Percent Moisture	16.9			wt%	1	11/25/2013 5:39:56 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 1:30:00 PM

Project: Former Pace National Property

Lab ID: 1311264-011

Matrix: Water

Client Sample ID: Area3-GW1-20131122

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5957

Analyst: BR

Diesel (Fuel Oil)	203	50.0		µg/L	1	11/22/2013 11:07:00 PM
Heavy Oil	300	100		µg/L	1	11/22/2013 11:07:00 PM
Surr: 2-Fluorobiphenyl	73.1	50-150		%REC	1	11/22/2013 11:07:00 PM
Surr: o-Terphenyl	115	50-150		%REC	1	11/22/2013 11:07:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11305

Analyst: EM

Gasoline	4,150	50.0	E	µg/L	1	11/25/2013 7:51:00 AM
Surr: Toluene-d8	92.5	65-135		%REC	1	11/25/2013 7:51:00 AM
Surr: 4-Bromofluorobenzene	88.4	65-135		%REC	1	11/25/2013 7:51:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: R11257

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Chloromethane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Vinyl chloride	0.460	0.200		µg/L	1	11/25/2013 7:51:00 AM
Bromomethane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Chloroethane	2.03	1.00	*	µg/L	1	11/25/2013 7:51:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Methylene chloride	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,1-Dichloroethane	4.51	1.00		µg/L	1	11/25/2013 7:51:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	11/25/2013 7:51:00 AM
cis-1,2-Dichloroethene	4.96	1.00		µg/L	1	11/25/2013 7:51:00 AM
Chloroform	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Benzene	1.00	1.00		µg/L	1	11/25/2013 7:51:00 AM
Trichloroethene (TCE)	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 1:30:00 PM

Project: Former Pace National Property

Lab ID: 1311264-011

Matrix: Water

Client Sample ID: Area3-GW1-20131122

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: R11257

Analyst: GH

Dibromomethane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Toluene	2.88	1.00		µg/L	1	11/25/2013 7:51:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	11/25/2013 7:51:00 AM
Chlorobenzene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Ethylbenzene	64.8	1.00		µg/L	1	11/25/2013 7:51:00 AM
m,p-Xylene	77.3	1.00		µg/L	1	11/25/2013 7:51:00 AM
o-Xylene	7.25	1.00		µg/L	1	11/25/2013 7:51:00 AM
Styrene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Isopropylbenzene	21.2	1.00		µg/L	1	11/25/2013 7:51:00 AM
Bromoform	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
n-Propylbenzene	30.0	1.00		µg/L	1	11/25/2013 7:51:00 AM
Bromobenzene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,3,5-Trimethylbenzene	13.7	1.00		µg/L	1	11/25/2013 7:51:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	11/25/2013 7:51:00 AM
sec-Butylbenzene	6.90	1.00		µg/L	1	11/25/2013 7:51:00 AM
4-Isopropyltoluene	15.2	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,2,4-Trimethylbenzene	197	1.00		µg/L	1	11/25/2013 7:51:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	11/25/2013 7:51:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/22/2013 1:30:00 PM

Project: Former Pace National Property

Lab ID: 1311264-011

Matrix: Water

Client Sample ID: Area3-GW1-20131122

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: R11257

Analyst: GH

Naphthalene	70.9	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	11/25/2013 7:51:00 AM
Surr: Dibromofluoromethane	95.8	72.1-122		%REC	1	11/25/2013 7:51:00 AM
Surr: Toluene-d8	89.3	62.1-129		%REC	1	11/25/2013 7:51:00 AM
Surr: 1-Bromo-4-fluorobenzene	93.4	66.8-124		%REC	1	11/25/2013 7:51:00 AM

NOTES:

* - Flagged value is not within established control limits.

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1311264-010ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/22/2013	RunNo: 11277							
Client ID: Area3-WSW1-8	Batch ID: 5955		Analysis Date: 11/23/2013	SeqNo: 225204							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	21.2						0		30	
Heavy Oil	ND	53.0						0		30	
Surr: 2-Fluorobiphenyl	20.6		21.20		97.2	50	150		0		
Surr: o-Terphenyl	21.1		21.20		99.7	50	150		0		

Sample ID: LCS-5955	SampType: LCS	Units: mg/Kg	Prep Date: 11/22/2013	RunNo: 11277							
Client ID: LCSS	Batch ID: 5955		Analysis Date: 11/23/2013	SeqNo: 225223							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	538	20.0	500.0	0	108	65	135				
Surr: 2-Fluorobiphenyl	21.5		20.00		107	50	150				
Surr: o-Terphenyl	20.5		20.00		102	50	150				

Sample ID: MB-5955	SampType: MBLK	Units: mg/Kg	Prep Date: 11/22/2013	RunNo: 11277							
Client ID: MBLKS	Batch ID: 5955		Analysis Date: 11/23/2013	SeqNo: 225224							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	19.5		20.00		97.7	50	150				
Surr: o-Terphenyl	20.1		20.00		100	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1311264-011ADUP	SampType: DUP	Units: µg/L	Prep Date: 11/22/2013	RunNo: 11258							
Client ID: Area3-GW1-20131122	Batch ID: 5957		Analysis Date: 11/22/2013	SeqNo: 224601							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	173	50.0						203.0	15.8	30	
Heavy Oil	392	100						300.2	26.6	30	
Surr: 2-Fluorobiphenyl	114		160.0		71.2	50	150		0		
Surr: o-Terphenyl	166		160.0		104	50	150		0		

Sample ID: LCS-5957	SampType: LCS	Units: µg/L	Prep Date: 11/22/2013	RunNo: 11258							
Client ID: LCSW	Batch ID: 5957		Analysis Date: 11/22/2013	SeqNo: 224606							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	2,270	50.0	2,000	0	114	65	135				
Surr: 2-Fluorobiphenyl	191		160.0		120	50	150				
Surr: o-Terphenyl	194		160.0		121	50	150				

Sample ID: MB-5957	SampType: MBLK	Units: µg/L	Prep Date: 11/22/2013	RunNo: 11258							
Client ID: MBLKW	Batch ID: 5957		Analysis Date: 11/22/2013	SeqNo: 224607							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Surr: 2-Fluorobiphenyl	194		160.0		121	50	150				
Surr: o-Terphenyl	201		160.0		126	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 1311264-010BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/26/2013	RunNo: 11303							
Client ID: Area3-WSW1-8	Batch ID: R11303		Analysis Date: 11/26/2013	SeqNo: 225347							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	6.45						0		30	
Surr: Toluene-d8	3.10		3.226		96.1	65	135		0		
Surr: 4-Bromofluorobenzene	3.59		3.226		111	65	135		0		

Sample ID: LCS-R11303	SampType: LCS	Units: mg/Kg	Prep Date: 11/25/2013	RunNo: 11303							
Client ID: LCSS	Batch ID: R11303		Analysis Date: 11/25/2013	SeqNo: 225366							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	26.8	5.00	25.00	0	107	65	135				
Surr: Toluene-d8	2.43		2.500		97.2	65	135				
Surr: 4-Bromofluorobenzene	2.88		2.500		115	65	135				

Sample ID: MB-R11303	SampType: MBLK	Units: mg/Kg	Prep Date: 11/25/2013	RunNo: 11303							
Client ID: MBLKS	Batch ID: R11303		Analysis Date: 11/25/2013	SeqNo: 225367							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	2.40		2.500		95.9	65	135				
Surr: 4-Bromofluorobenzene	2.91		2.500		116	65	135				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 1311258-001BDUP	SampType: DUP	Units: µg/L	Prep Date: 11/25/2013	RunNo: 11305							
Client ID: BATCH	Batch ID: R11305		Analysis Date: 11/25/2013	SeqNo: 225429							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	50.0						0		30	
Surr: Toluene-d8	44.8		50.00		89.7	65	135		0	0	
Surr: 4-Bromofluorobenzene	45.1		50.00		90.3	65	135		0	0	

Sample ID: LCS-R11305	SampType: LCS	Units: µg/L	Prep Date: 11/25/2013	RunNo: 11305							
Client ID: LCSW	Batch ID: R11305		Analysis Date: 11/25/2013	SeqNo: 225432							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	480	50.0	500.0	0	96.0	65	135				
Surr: Toluene-d8	44.7		50.00		89.4	65	135				
Surr: 4-Bromofluorobenzene	44.3		50.00		88.6	65	135				

Sample ID: MB-R11305	SampType: MBLK	Units: µg/L	Prep Date: 11/25/2013	RunNo: 11305							
Client ID: MBLKW	Batch ID: R11305		Analysis Date: 11/25/2013	SeqNo: 225433							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	50.0									
Surr: Toluene-d8	42.4		50.00		84.7	65	135				
Surr: 4-Bromofluorobenzene	46.8		50.00		93.6	65	135				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311264-010BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/22/2013	RunNo: 11283							
Client ID: Area3-WSW1-8	Batch ID: 5956		Analysis Date: 11/26/2013	SeqNo: 225297							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0774						0		30	
Chloromethane	ND	0.0774						0		30	
Vinyl chloride	ND	0.00258						0		30	
Bromomethane	ND	0.116						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0645						0		30	
Chloroethane	ND	0.0774						0		30	
1,1-Dichloroethene	ND	0.0645						0		30	
Methylene chloride	ND	0.0258						0		30	
trans-1,2-Dichloroethene	ND	0.0258						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0645						0		30	
1,1-Dichloroethane	ND	0.0258						0		30	
2,2-Dichloropropane	ND	0.0645						0		30	
cis-1,2-Dichloroethene	ND	0.0258						0		30	
Chloroform	ND	0.0258						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0258						0		30	
1,1-Dichloropropene	ND	0.0258						0		30	
Carbon tetrachloride	ND	0.0258						0		30	
1,2-Dichloroethane (EDC)	ND	0.0387						0		30	
Benzene	ND	0.0258						0		30	
Trichloroethene (TCE)	ND	0.0258						0		30	
1,2-Dichloropropane	ND	0.0258						0		30	
Bromodichloromethane	ND	0.0258						0		30	
Dibromomethane	ND	0.0516						0		30	
cis-1,3-Dichloropropene	ND	0.0258						0		30	
Toluene	ND	0.0258						0		30	
trans-1,3-Dichloropropylene	ND	0.0387						0		30	
1,1,2-Trichloroethane	ND	0.0387						0		30	
1,3-Dichloropropane	ND	0.0645						0		30	
Tetrachloroethene (PCE)	ND	0.0258						0		30	

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311264-010BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/22/2013	RunNo: 11283							
Client ID: Area3-WSW1-8	Batch ID: 5956		Analysis Date: 11/26/2013	SeqNo: 225297							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloromethane	ND	0.0387						0		30	
1,2-Dibromoethane (EDB)	ND	0.00645						0		30	
Chlorobenzene	ND	0.0258						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0387						0		30	
Ethylbenzene	ND	0.0387						0		30	
m,p-Xylene	ND	0.0258						0		30	
o-Xylene	ND	0.0258						0		30	
Styrene	ND	0.0258						0		30	
Isopropylbenzene	ND	0.103						0		30	
Bromoform	ND	0.0258						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0258						0		30	
n-Propylbenzene	ND	0.0258						0		30	
Bromobenzene	ND	0.0387						0		30	
1,3,5-Trimethylbenzene	ND	0.0258						0		30	
2-Chlorotoluene	ND	0.0258						0		30	
4-Chlorotoluene	ND	0.0258						0		30	
tert-Butylbenzene	ND	0.0258						0		30	
1,2,3-Trichloropropane	ND	0.0258						0		30	
1,2,4-Trichlorobenzene	ND	0.0645						0		30	
sec-Butylbenzene	ND	0.0258						0		30	
4-Isopropyltoluene	ND	0.0258						0		30	
1,3-Dichlorobenzene	ND	0.0258						0		30	
1,4-Dichlorobenzene	ND	0.0258						0		30	
n-Butylbenzene	ND	0.0258						0		30	
1,2-Dichlorobenzene	ND	0.0258						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0387						0		30	
1,2,4-Trimethylbenzene	ND	0.0258						0		30	
Hexachlorobutadiene	ND	0.129						0		30	
Naphthalene	ND	0.0387						0		30	

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311264-010BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/22/2013	RunNo: 11283							
Client ID: Area3-WSW1-8	Batch ID: 5956		Analysis Date: 11/26/2013	SeqNo: 225297							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	ND	0.0258						0		30	
Surr: Dibromofluoromethane	3.67		3.226		114	63.7	129		0		
Surr: Toluene-d8	3.66		3.226		114	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	3.20		3.226		99.1	63.1	141		0		

Sample ID: LCS-5956	SampType: LCS	Units: mg/Kg	Prep Date: 11/22/2013	RunNo: 11283							
Client ID: LCSS	Batch ID: 5956		Analysis Date: 11/25/2013	SeqNo: 225317							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.998	0.0600	1.000	0	99.8	37.7	136				
Chloromethane	1.10	0.0600	1.000	0	110	38.8	132				
Vinyl chloride	0.694	0.00200	1.000	0	69.4	56.1	130				
Bromomethane	0.435	0.0900	1.000	0	43.5	41.3	148				
Trichlorofluoromethane (CFC-11)	0.679	0.0500	1.000	0	67.9	60.3	132				
Chloroethane	0.476	0.0600	1.000	0	47.6	37.1	144				
1,1-Dichloroethene	0.543	0.0500	1.000	0	54.3	49.7	142				
Methylene chloride	0.585	0.0200	1.000	0	58.5	57.6	135				
trans-1,2-Dichloroethene	0.701	0.0200	1.000	0	70.1	68.7	127				
Methyl tert-butyl ether (MTBE)	0.606	0.0500	1.000	0	60.6	59.1	138				
1,1-Dichloroethane	0.770	0.0200	1.000	0	77.0	65.5	132				
2,2-Dichloropropane	1.20	0.0500	1.000	0	120	28.1	149				
cis-1,2-Dichloroethene	1.04	0.0200	1.000	0	104	71.6	123				
Chloroform	1.04	0.0200	1.000	0	104	67.5	129				
1,1,1-Trichloroethane (TCA)	1.13	0.0200	1.000	0	113	74.4	130				
1,1-Dichloropropene	1.09	0.0200	1.000	0	109	72.7	131				
Carbon tetrachloride	1.11	0.0200	1.000	0	111	67.9	126				
1,2-Dichloroethane (EDC)	1.11	0.0300	1.000	0	111	68.7	133				
Benzene	1.12	0.0200	1.000	0	112	74.6	124				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-5956	SampType: LCS	Units: mg/Kg	Prep Date: 11/22/2013	RunNo: 11283
Client ID: LCSS	Batch ID: 5956		Analysis Date: 11/25/2013	SeqNo: 225317

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	1.06	0.0200	1.000	0	106	67.4	133				
1,2-Dichloropropane	1.13	0.0200	1.000	0	113	72.7	133				
Bromodichloromethane	1.06	0.0200	1.000	0	106	76.1	136				
Dibromomethane	1.11	0.0400	1.000	0	111	70	130				
cis-1,3-Dichloropropene	1.15	0.0200	1.000	0	115	59.1	143				
Toluene	1.17	0.0200	1.000	0	117	79.9	118				
trans-1,3-Dichloropropylene	1.19	0.0300	1.000	0	119	49.2	149				
1,1,2-Trichloroethane	1.17	0.0300	1.000	0	117	74.5	129				
1,3-Dichloropropane	1.14	0.0500	1.000	0	114	70	130				
Tetrachloroethene (PCE)	0.980	0.0200	1.000	0	98.0	52.7	150				
Dibromochloromethane	1.24	0.0300	1.000	0	124	70.6	144				
1,2-Dibromoethane (EDB)	1.21	0.00500	1.000	0	121	70	130				
Chlorobenzene	1.01	0.0200	1.000	0	101	76.1	123				
1,1,1,2-Tetrachloroethane	0.951	0.0300	1.000	0	95.1	74.8	131				
Ethylbenzene	0.929	0.0300	1.000	0	92.9	74	129				
m,p-Xylene	2.03	0.0200	2.000	0	102	79.8	128				
o-Xylene	0.972	0.0200	1.000	0	97.2	72.7	124				
Styrene	0.956	0.0200	1.000	0	95.6	76.8	130				
Isopropylbenzene	1.61	0.0800	1.000	0	161	70	130				S
Bromoform	0.827	0.0200	1.000	0	82.7	67	154				
1,1,2,2-Tetrachloroethane	0.963	0.0200	1.000	0	96.3	60	130				
n-Propylbenzene	0.894	0.0200	1.000	0	89.4	78	130				
Bromobenzene	0.779	0.0300	1.000	0	77.9	49.2	144				
1,3,5-Trimethylbenzene	0.949	0.0200	1.000	0	94.9	74.6	123				
2-Chlorotoluene	0.865	0.0200	1.000	0	86.5	76.7	129				
4-Chlorotoluene	0.874	0.0200	1.000	0	87.4	77.5	125				
tert-Butylbenzene	0.945	0.0200	1.000	0	94.5	66.2	130				
1,2,3-Trichloropropane	0.944	0.0200	1.000	0	94.4	67.9	136				
1,2,4-Trichlorobenzene	0.896	0.0500	1.000	0	89.6	65.6	137				

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-5956	SampType: LCS	Units: mg/Kg	Prep Date: 11/22/2013	RunNo: 11283							
Client ID: LCSS	Batch ID: 5956		Analysis Date: 11/25/2013	SeqNo: 225317							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

sec-Butylbenzene	0.923	0.0200	1.000	0	92.3	75.6	133				
4-Isopropyltoluene	0.927	0.0200	1.000	0	92.7	76.8	131				
1,3-Dichlorobenzene	1.03	0.0200	1.000	0	103	72.8	128				
1,4-Dichlorobenzene	1.02	0.0200	1.000	0	102	72.6	126				
n-Butylbenzene	1.09	0.0200	1.000	0	109	65.3	136				
1,2-Dichlorobenzene	1.07	0.0200	1.000	0	107	72.8	126				
1,2-Dibromo-3-chloropropane	1.27	0.0300	1.000	0	127	60.3	130				
1,2,4-Trimethylbenzene	0.957	0.0200	1.000	0	95.7	77.5	129				
Hexachlorobutadiene	1.16	0.100	1.000	0	116	42	151				
Naphthalene	1.47	0.0300	1.000	0	147	64	130				S
1,2,3-Trichlorobenzene	0.949	0.0200	1.000	0	94.9	62.1	140				
Surr: Dibromofluoromethane	2.84		2.500		113	63.7	129				
Surr: Toluene-d8	2.95		2.500		118	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.52		2.500		101	63.1	141				

NOTES:

S - Outlying QC recoveries were observed for Cumene and Naphthalene - High Bias. There were no detections in the samples. No further action is required.

Sample ID: MB-5956	SampType: MBLK	Units: mg/Kg	Prep Date: 11/22/2013	RunNo: 11283							
Client ID: MBLKS	Batch ID: 5956		Analysis Date: 11/25/2013	SeqNo: 225318							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-5956	SampType: MBLK	Units: mg/Kg	Prep Date: 11/22/2013	RunNo: 11283							
Client ID: MBLKS	Batch ID: 5956		Analysis Date: 11/25/2013	SeqNo: 225318							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	ND	0.0200									
Methyl tert-butyl ether (MTBE)	ND	0.0500									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
1,1,1-Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane (EDC)	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-5956	SampType: MBLK	Units: mg/Kg	Prep Date: 11/22/2013	RunNo: 11283							
Client ID: MBLKS	Batch ID: 5956		Analysis Date: 11/25/2013	SeqNo: 225318							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachlorobutadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: Dibromofluoromethane	2.95		2.500		118	63.7	129				
Surr: Toluene-d8	2.85		2.500		114	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.62		2.500		105	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311269-007BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/22/2013	RunNo: 11283							
Client ID: BATCH	Batch ID: 5956		Analysis Date: 11/26/2013	SeqNo: 225319							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.32	0.0822	1.370	0	96.6	43.5	121				
Chloromethane	1.48	0.0822	1.370	0	108	45	130				
Vinyl chloride	1.21	0.00274	1.370	0	88.1	51.2	146				
Bromomethane	0.791	0.123	1.370	0	57.8	21.3	120				
Trichlorofluoromethane (CFC-11)	1.14	0.0685	1.370	0	83.2	35	131				
Chloroethane	0.860	0.0822	1.370	0	62.8	43.8	117				
1,1-Dichloroethene	0.745	0.0685	1.370	0	54.4	61.9	141				S
Methylene chloride	1.17	0.0274	1.370	0	85.6	54.7	142				
trans-1,2-Dichloroethene	1.32	0.0274	1.370	0	96.3	52	136				
Methyl tert-butyl ether (MTBE)	1.11	0.0685	1.370	0	80.9	54.4	132				
1,1-Dichloroethane	1.33	0.0274	1.370	0	97.4	51.8	141				
2,2-Dichloropropane	2.21	0.0685	1.370	0	162	36	123				S
cis-1,2-Dichloroethene	1.61	0.0274	1.370	0	118	58.6	136				
Chloroform	1.54	0.0274	1.370	0	113	53.2	129				
1,1,1-Trichloroethane (TCA)	1.66	0.0274	1.370	0	121	58.3	145				
1,1-Dichloropropene	1.64	0.0274	1.370	0	119	55.1	138				
Carbon tetrachloride	1.72	0.0274	1.370	0	125	53.3	144				
1,2-Dichloroethane (EDC)	1.51	0.0411	1.370	0	110	51.3	139				
Benzene	1.62	0.0274	1.370	0	118	63.5	133				
Trichloroethene (TCE)	1.70	0.0274	1.370	0.1949	110	68.6	132				
1,2-Dichloropropane	1.66	0.0274	1.370	0	121	59	136				
Bromodichloromethane	1.47	0.0274	1.370	0	108	50.7	141				
Dibromomethane	1.56	0.0548	1.370	0	114	50.6	137				
cis-1,3-Dichloropropene	1.62	0.0274	1.370	0	118	50.4	138				
Toluene	1.60	0.0274	1.370	0	117	63.4	132				
trans-1,3-Dichloropropylene	1.59	0.0411	1.370	0	116	44.1	147				
1,1,2-Trichloroethane	1.54	0.0411	1.370	0	113	51.6	137				
1,3-Dichloropropane	1.52	0.0685	1.370	0	111	53.1	134				
Tetrachloroethene (PCE)	1.49	0.0274	1.370	0	109	35.6	158				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311269-007BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/22/2013	RunNo: 11283
Client ID: BATCH	Batch ID: 5956		Analysis Date: 11/26/2013	SeqNo: 225319

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	1.72	0.0411	1.370	0	126	55.3	140				
1,2-Dibromoethane (EDB)	1.64	0.00685	1.370	0	120	50.4	136				
Chlorobenzene	1.46	0.0274	1.370	0	107	60	133				
1,1,1,2-Tetrachloroethane	1.41	0.0411	1.370	0	103	53.1	142				
Ethylbenzene	1.38	0.0411	1.370	0	101	54.5	134				
m,p-Xylene	2.95	0.0274	2.740	0	108	53.1	132				
o-Xylene	1.40	0.0274	1.370	0	102	53.3	139				
Styrene	1.37	0.0274	1.370	0	100	51.1	132				
Isopropylbenzene	2.39	0.110	1.370	0	175	58.9	138				S
Bromoform	1.14	0.0274	1.370	0	83.2	57.9	130				
1,1,2,2-Tetrachloroethane	1.38	0.0274	1.370	0	101	51.9	131				
n-Propylbenzene	1.35	0.0274	1.370	0	98.6	53.6	140				
Bromobenzene	1.12	0.0411	1.370	0	82.1	54.2	140				
1,3,5-Trimethylbenzene	1.40	0.0274	1.370	0	102	51.8	136				
2-Chlorotoluene	1.28	0.0274	1.370	0	93.6	51.6	136				
4-Chlorotoluene	1.32	0.0274	1.370	0	96.6	50.1	139				
tert-Butylbenzene	1.45	0.0274	1.370	0	106	50.5	135				
1,2,3-Trichloropropane	1.35	0.0274	1.370	0	98.8	50.5	131				
1,2,4-Trichlorobenzene	1.29	0.0685	1.370	0	93.9	50.8	130				
sec-Butylbenzene	1.39	0.0274	1.370	0	101	52.6	141				
4-Isopropyltoluene	1.45	0.0274	1.370	0	106	52.9	134				
1,3-Dichlorobenzene	1.47	0.0274	1.370	0	107	52.6	131				
1,4-Dichlorobenzene	1.46	0.0274	1.370	0	106	52.9	129				
n-Butylbenzene	1.60	0.0274	1.370	0	117	52.6	130				
1,2-Dichlorobenzene	1.45	0.0274	1.370	0	106	55.8	129				
1,2-Dibromo-3-chloropropane	1.51	0.0411	1.370	0	111	40.5	131				
1,2,4-Trimethylbenzene	1.40	0.0274	1.370	0.007329	102	50.6	137				
Hexachlorobutadiene	1.74	0.137	1.370	0	127	40.6	158				
Naphthalene	1.98	0.0411	1.370	0.01644	144	52.3	124				S

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311269-007BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/22/2013	RunNo: 11283
Client ID: BATCH	Batch ID: 5956		Analysis Date: 11/26/2013	SeqNo: 225319

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	1.35	0.0274	1.370	0	98.3	54.4	124				
Surr: Dibromofluoromethane	3.87		3.425		113	63.7	129				
Surr: Toluene-d8	3.97		3.425		116	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	3.43		3.425		100	63.1	141				

NOTES:

S - Outlying QC recoveries were observed.

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits	D Dilution was required J Analyte detected below quantitation limits RL Reporting Limit	E Value above quantitation range ND Not detected at the Reporting Limit S Spike recovery outside accepted recovery limits
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Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-R11257	SampType: LCS	Units: µg/L	Prep Date: 11/25/2013	RunNo: 11257
Client ID: LCSW	Batch ID: R11257		Analysis Date: 11/25/2013	SeqNo: 224597

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	11.5	1.00	20.00	0	57.3	43	136				
Chloromethane	13.0	1.00	20.00	0	65.1	43.9	139				
Vinyl chloride	14.8	0.200	20.00	0	74.0	57.1	131				
Bromomethane	33.5	1.00	20.00	0	167	44.8	148				S
Trichlorofluoromethane (CFC-11)	28.0	1.00	20.00	0	140	63.7	133				S
Chloroethane	31.9	1.00	20.00	0	160	53	141				S
1,1-Dichloroethene	25.2	1.00	20.00	0	126	65.6	136				
Methylene chloride	19.3	1.00	20.00	0	96.7	67.1	131				
trans-1,2-Dichloroethene	19.4	1.00	20.00	0	97.0	71.7	129				
Methyl tert-butyl ether (MTBE)	16.8	1.00	20.00	0	84.0	67.7	131				
1,1-Dichloroethane	18.9	1.00	20.00	0	94.4	67.9	134				
2,2-Dichloropropane	19.5	2.00	20.00	0	97.3	33.7	152				
cis-1,2-Dichloroethene	19.5	1.00	20.00	0	97.6	71.1	130				
Chloroform	19.4	1.00	20.00	0	96.8	76.7	124				
1,1,1-Trichloroethane (TCA)	19.4	1.00	20.00	0	97.1	71	131				
1,1-Dichloropropene	18.6	1.00	20.00	0	92.9	74.5	126				
Carbon tetrachloride	19.2	1.00	20.00	0	96.2	66.2	134				
1,2-Dichloroethane (EDC)	19.8	1.00	20.00	0	98.8	70	129				
Benzene	19.0	1.00	20.00	0	95.1	76	123				
Trichloroethene (TCE)	17.0	1.00	20.00	0	84.8	65.2	136				
1,2-Dichloropropane	18.4	1.00	20.00	0	92.2	70.5	130				
Bromodichloromethane	19.6	1.00	20.00	0	97.9	74.6	127				
Dibromomethane	20.1	1.00	20.00	0	100	75.5	126				
cis-1,3-Dichloropropene	18.9	1.00	20.00	0	94.6	62.6	137				
Toluene	19.8	1.00	20.00	0	99.2	71.5	130				
trans-1,3-Dichloropropene	19.2	1.00	20.00	0	95.9	58.5	142				
1,1,2-Trichloroethane	19.8	1.00	20.00	0	99.0	76	124				
1,3-Dichloropropane	19.5	1.00	20.00	0	97.6	73.5	127				
Tetrachloroethene (PCE)	19.7	1.00	20.00	0	98.5	47.5	147				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-R11257	SampType: LCS	Units: µg/L	Prep Date: 11/25/2013	RunNo: 11257
Client ID: LCSW	Batch ID: R11257		Analysis Date: 11/25/2013	SeqNo: 224597

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	19.2	1.00	20.00	0	95.8	67.2	134				
1,2-Dibromoethane (EDB)	19.9	0.0100	20.00	0	99.6	73.6	125				
Chlorobenzene	20.4	1.00	20.00	0	102	73.9	126				
1,1,1,2-Tetrachloroethane	19.1	1.00	20.00	0	95.4	76.8	124				
Ethylbenzene	19.8	1.00	20.00	0	98.8	72	130				
m,p-Xylene	42.4	1.00	40.00	0	106	73	131				
o-Xylene	21.0	1.00	20.00	0	105	72.1	131				
Styrene	21.0	1.00	20.00	0	105	64.3	140				
Isopropylbenzene	20.0	1.00	20.00	0	100	73.9	128				
Bromoform	19.9	1.00	20.00	0	99.4	63.8	135				
1,1,2,2-Tetrachloroethane	26.4	1.00	20.00	0	132	62.9	132				S
n-Propylbenzene	19.8	1.00	20.00	0	99.0	74.5	127				
Bromobenzene	20.6	1.00	20.00	0	103	71	131				
1,3,5-Trimethylbenzene	20.8	1.00	20.00	0	104	73.1	128				
2-Chlorotoluene	20.3	1.00	20.00	0	102	70.8	130				
4-Chlorotoluene	20.0	1.00	20.00	0	100	70.1	131				
tert-Butylbenzene	19.8	1.00	20.00	0	99.2	68.2	131				
1,2,3-Trichloropropane	22.3	1.00	20.00	0	111	67.7	131				
1,2,4-Trichlorobenzene	17.5	2.00	20.00	0	87.4	72.4	127				
sec-Butylbenzene	20.3	1.00	20.00	0	101	72	129				
4-Isopropyltoluene	21.0	1.00	20.00	0	105	69.2	130				
1,3-Dichlorobenzene	19.1	1.00	20.00	0	95.4	72.4	129				
1,4-Dichlorobenzene	20.3	1.00	20.00	0	102	70.6	128				
n-Butylbenzene	18.4	1.00	20.00	0	92.0	73.8	127				
1,2-Dichlorobenzene	20.1	1.00	20.00	0	101	74.2	129				
1,2-Dibromo-3-chloropropane	20.0	1.00	20.00	0	99.8	63.1	136				
1,2,4-Trimethylbenzene	21.0	1.00	20.00	0	105	73.4	127				
Hexachlorobutadiene	18.2	4.00	20.00	0	90.8	58.6	138				
Naphthalene	19.5	1.00	20.00	0	97.7	62	136				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-R11257	SampType: LCS	Units: µg/L	Prep Date: 11/25/2013	RunNo: 11257							
Client ID: LCSW	Batch ID: R11257		Analysis Date: 11/25/2013	SeqNo: 224597							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	18.4	4.00	20.00	0	91.9	66.4	132				
Surr: Dibromofluoromethane	47.6		50.00		95.2	72.1	122				
Surr: Toluene-d8	44.4		50.00		88.7	62.1	129				
Surr: 1-Bromo-4-fluorobenzene	47.1		50.00		94.2	66.8	124				

NOTES:

S - Outlying spike recoveries observed for Bromomethane, Trichlorofluoromethane, 1,1,2,2-Tetrachloroethane and Chloroethane (High Bias). Detections could be considered biased high and will be flagged with an "**"

Sample ID: MB-R11257	SampType: MBLK	Units: µg/L	Prep Date: 11/25/2013	RunNo: 11257							
Client ID: MBLKW	Batch ID: R11257		Analysis Date: 11/25/2013	SeqNo: 224598							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00									
Chloromethane	ND	1.00									
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.00									
Trichlorofluoromethane (CFC-11)	ND	1.00									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
Methylene chloride	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	1.00									
1,1-Dichloroethane	ND	1.00									
2,2-Dichloropropane	ND	2.00									
cis-1,2-Dichloroethene	ND	1.00									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	1.00									
1,1-Dichloropropene	ND	1.00									
Carbon tetrachloride	ND	1.00									

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-R11257	SampType: MBLK	Units: µg/L	Prep Date: 11/25/2013	RunNo: 11257
Client ID: MBLKW	Batch ID: R11257		Analysis Date: 11/25/2013	SeqNo: 224598

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	ND	1.00									
Benzene	ND	1.00									
Trichloroethene (TCE)	ND	1.00									
1,2-Dichloropropane	ND	1.00									
Bromodichloromethane	ND	1.00									
Dibromomethane	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Toluene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,3-Dichloropropane	ND	1.00									
Tetrachloroethene (PCE)	ND	1.00									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.0100									
Chlorobenzene	ND	1.00									
1,1,1,2-Tetrachloroethane	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Styrene	ND	1.00									
Isopropylbenzene	ND	1.00									
Bromoform	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
n-Propylbenzene	ND	1.00									
Bromobenzene	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
2-Chlorotoluene	ND	1.00									
4-Chlorotoluene	ND	1.00									
tert-Butylbenzene	ND	1.00									

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
R RPD outside accepted recovery limits RL Reporting Limit S Spike recovery outside accepted recovery limits

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	2.00									
sec-Butylbenzene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
n-Butylbenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	4.00									
Naphthalene	ND	1.00									
1,2,3-Trichlorobenzene	ND	4.00									
Surr: Dibromofluoromethane	48.0		50.00		96.0	72.1	122				
Surr: Toluene-d8	43.6		50.00		87.1	62.1	129				
Surr: 1-Bromo-4-fluorobenzene	49.1		50.00		98.2	66.8	124				

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	
Chloromethane	ND	1.00						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	

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
R RPD outside accepted recovery limits
RL Reporting Limit
S Spike recovery outside accepted recovery limits



Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311258-001BDUP	SampType: DUP	Units: µg/L	Prep Date: 11/25/2013	RunNo: 11257
Client ID: BATCH	Batch ID: R11257		Analysis Date: 11/25/2013	SeqNo: 225436

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
2,2-Dichloropropane	ND	2.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Benzene	ND	1.00						0		30	
Trichloroethene (TCE)	ND	1.00						0		30	
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
Toluene	ND	1.00						0		30	
trans-1,3-Dichloropropene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.0100						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Ethylbenzene	ND	1.00						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	1.00						0		30	

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 11/26/2013

Work Order: 1311264
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311258-001BDUP	SampType: DUP	Units: µg/L	Prep Date: 11/25/2013	RunNo: 11257							
Client ID: BATCH	Batch ID: R11257		Analysis Date: 11/25/2013	SeqNo: 225436							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	ND	1.00						0		30	
Isopropylbenzene	ND	1.00						0		30	
Bromoform	ND	1.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
n-Propylbenzene	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
1,3,5-Trimethylbenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
tert-Butylbenzene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
sec-Butylbenzene	ND	1.00						0		30	
4-Isopropyltoluene	ND	1.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
n-Butylbenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	1.00						0		30	
Hexachlorobutadiene	ND	4.00						0		30	
Naphthalene	ND	1.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	48.5		50.00		97.0	72.1	122		0		
Surr: Toluene-d8	44.0		50.00		87.9	62.1	129		0		
Surr: 1-Bromo-4-fluorobenzene	47.6		50.00		95.2	66.8	124		0		

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: PES	Work Order Number: 1311264
Logged by: Chelsea Ward	Date Received: 11/22/2013 2:42:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody seals intact on shipping container/cooler? Yes No Not Required
6. Was an attempt made to cool the samples? Yes No NA
7. Were all coolers received at a temperature of >0°C to 10.0°C Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is the headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C	Condition
Cooler	6.4	Good
Sample	7.1	Good



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Client: P&S Environmental Inc.
Address: 1213 4th Ave Suite 1350
City, State, Zip: Seattle WA 98161
Tel: (206) 529-3450
Reports To (PM): Paulina/Rachid Fax: (206) 529-3455 Email: Rachid@p&senv.com Project No: 1006-008-03001

Chain of Custody Record

Laboratory Project No (Internal): 1311264
Page: 2 of 2

Project Name: Former Pace National Property
Location: 500 P Ave S, Kirkland WA
Collected by: C. DeBor

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Comments/Depth
1 Area 7 - SW1-6	11/22/13	0910	Soil	
2 Top Blank	-	-	-	
3 Area 7 - Base1-7	11/22/13	0918	Soil	
4 Area 7 - Base2-7		0920		
5 Area 7 - WSW1-6		0934		
6 Area 7 - NSW1-6		1021		
7 Area 7 - ESW1-6		1031		
8 Area 3 - ESW1-8		1052		
9 Area 3 - NSW1-8		1045		
10 Area 3 - WSW1-8		1040		

Return to Client Disposal by Lab (A fee may be assessed if samples are not used after 30 days.)
 Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide Fluoride Nitrate-Nitrite
 Metals Analysis (Circle): MTCA-5 PCBs-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Te Ti U V Zn
 Special Remarks: * Sites Got Clean up email
 Date/Time: 11/22/13 1442 Date/Time: 11/23/13 14:14 740
 Date/Time: 11/22/13 1442 Date/Time: 11/23/13 14:14 740
 TAT -> New Day 2 Day 3 Day STD

Reinquired: Chris Peters Received: Rachid
 Date/Time: 11/22/13 1442 Date/Time: 11/23/13 14:14 740
 www.fremontanalytical.com



3500 Fremont Ave N.
Seattle, WA 98103

Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record

Laboratory Project No (Internal): 1311264

Page: 2 of: 2

Project Name: Forester Park National Property
Location: See page 1
Collected by:

Client: PE Environmental Inc
Address: See page 1
City, State, Zip: _____
Te: _____

Reports To (PM): _____ Fax: _____ Email: _____ Project No: _____

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Analysis Method	Comments/Depth
Area 3 - GW1-20131102	11/20/13	1300	water	<input checked="" type="checkbox"/> VOC (EPA 8160) <input checked="" type="checkbox"/> SVOC (EPA 8210) <input checked="" type="checkbox"/> METALS BY EPA 8210 <input checked="" type="checkbox"/> GASES BY 8210 <input checked="" type="checkbox"/> GASES RANGE ORGANICS <input checked="" type="checkbox"/> HYDROCARBON AROMATICS (HAP) <input checked="" type="checkbox"/> DIBENZO(A,H)ANTHRACENE (DBA) <input checked="" type="checkbox"/> PAH (EPA 8270) <input checked="" type="checkbox"/> PCB (EPA 8270 - M) <input checked="" type="checkbox"/> PCB (EPA 8082) <input checked="" type="checkbox"/> PCP (EPA 8082) <input checked="" type="checkbox"/> CHLORIDES (EPA 8081) <input checked="" type="checkbox"/> NITRATES (EPA 8154) <input checked="" type="checkbox"/> TOTAL (EPA 8154) <input checked="" type="checkbox"/> AMMONIA (EPA 8154)	Both turn around 8 AM Mon.
2					
3					
4					
5					
6					
7					
8					
9					
10					

*Metals Analysis (Circle): MTCA-5 RCRA-8 RCRA-9 Priority Pollutants TAL Individual: Ag Al As B Ba Be Cd Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Fluoride Nitrate-Nitrite
 Return to Client Disposal by Lab (A fee may be assessed if sample is returned after 30 days.)

Special Remarks: see comments

Relinquished: This Debra Date/Time: 11/20/13 14:44 24°C
 Received: X Graham Date/Time: 11/20/13 14:44 24°C
 Relinquished: _____ Date/Time: _____
 Received: _____ Date/Time: _____

TAT --> (Next Day) 2 Day 3 Day STD



Chain of Custody Record

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (Internal): 1311264
Page: 2 of 2

Client: PE3 Environmental Inc.
Address: 1213 4th Ave. Suite 1350
City, State, Zip: Seattle WA 98161 Tel: (206) 729-3480

Project Name: Fremont Rice National Property
Location: 500 4th Ave S, Kirkland WA
Collected By: C. Weber

Reports To (PM): Bubbin/Rackich Fax: (206) 529-3485 Email: Krackich@pe3env.com Project No: 100600803001

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Sample	NO _x (EPA 8210)	SO _x (EPA 8210)	CO (EPA 8210)	PM ₁₀ (EPA 8210)	PM _{2.5} (EPA 8210)	Other Metals (EPA 8210)	Other Anions (EPA 8210)	Comments/Depth
Area 7 - SW1-6	11/22/13	0910	Soil	X	X	X	X	X	X	X	X	
Top Blank												
Area 7 - Base - 7	11/22/13	0918	Soil	X	X	X	X	X	X	X	X	
Area 7 - Base 2 - 7		0900		X	X	X	X	X	X	X	X	
Area 7 - WSW1-6		0934		X	X	X	X	X	X	X	X	
Area 7 - N5W1-6		1021		X	X	X	X	X	X	X	X	
Area 7 - ESW1-6		1031		X	X	X	X	X	X	X	X	
Area 3 - ESW1-8		1052		X	X	X	X	X	X	X	X	
Area 3 - N5W1-8		1045		X	X	X	X	X	X	X	X	
Area 3 - W5W1-8		1040		X	X	X	X	X	X	X	X	

NO_x DX
11/22/13

Special Remarks: * 5.5 us Col Clean up email

Received: Christy Weber Date/Time: 11/22/13 10:42
 Received: Christy Weber Date/Time: 11/22/13 11:44 742
 Received: Christy Weber Date/Time: 11/22/13 10:42

TAT -> Rec'd Day 2 Day 3 Day STD

Rec'd by: Christy Weber
www.fremontanalytical.com

Distribution: White - Lab, Yellow - File, Pink - Originator



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Kelly Rankich
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Former Pace National Property
Lab ID: 1311299

November 27, 2013

Attention Kelly Rankich:

Fremont Analytical, Inc. received 7 sample(s) on 11/26/2013 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal

CC:
Dan Balbiani



Date: 11/27/2013

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property
Lab Order: 1311299

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1311299-001	Area1-WSW1-12	11/26/2013 8:24 AM	11/26/2013 10:41 AM
1311299-002	Area1-NSW1-12	11/26/2013 8:33 AM	11/26/2013 10:41 AM
1311299-003	Area1-ESW1-12	11/26/2013 8:42 AM	11/26/2013 10:41 AM
1311299-004	Area1-Base1-13	11/26/2013 9:07 AM	11/26/2013 10:41 AM
1311299-005	Area1-Base2-13	11/26/2013 9:13 AM	11/26/2013 10:41 AM
1311299-006	Area1-SSW1-12	11/26/2013 9:20 AM	11/26/2013 10:41 AM
1311299-007	Trip Blank	11/18/2013 3:08 PM	11/26/2013 10:41 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311299-001A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311299-002A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311299-003A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311299-004A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311299-005A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1311299-006A) required Silica Gel Cleanup Procedure (Using Method No 3630C).



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1311299-001
Client Sample ID: Area1-WSW1-12

Collection Date: 11/26/2013 8:24:00 AM

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6008

Analyst: BR

Diesel (Fuel Oil)	ND	25.6		mg/Kg-dry	1	11/27/2013 4:43:00 AM
Heavy Oil	ND	63.9		mg/Kg-dry	1	11/27/2013 4:43:00 AM
Surr: 2-Fluorobiphenyl	110	50-150		%REC	1	11/27/2013 4:43:00 AM
Surr: o-Terphenyl	109	50-150		%REC	1	11/27/2013 4:43:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6000

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0759		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Chloromethane	ND	0.0759		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Vinyl chloride	ND	0.00253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Bromomethane	ND	0.114		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0633		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Chloroethane	ND	0.0759		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,1-Dichloroethene	ND	0.0633		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Methylene chloride	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
trans-1,2-Dichloroethene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0633		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,1-Dichloroethane	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
2,2-Dichloropropane	ND	0.0633		mg/Kg-dry	1	11/27/2013 11:38:00 AM
cis-1,2-Dichloroethene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Chloroform	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,1-Dichloropropene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Carbon tetrachloride	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,2-Dichloroethane (EDC)	ND	0.0380		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Benzene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Trichloroethene (TCE)	ND	0.0380		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,2-Dichloropropane	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Bromodichloromethane	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Dibromomethane	ND	0.0506		mg/Kg-dry	1	11/27/2013 11:38:00 AM
cis-1,3-Dichloropropene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Toluene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
trans-1,3-Dichloropropylene	ND	0.0380		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,1,2-Trichloroethane	ND	0.0380		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,3-Dichloropropane	ND	0.0633		mg/Kg-dry	1	11/27/2013 11:38:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.

Collection Date: 11/26/2013 8:24:00 AM

Project: Former Pace National Property

Lab ID: 1311299-001

Matrix: Soil

Client Sample ID: Area1-WSW1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260					Batch ID: 6000	Analyst: EM
Tetrachloroethene (PCE)	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Dibromochloromethane	ND	0.0380		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,2-Dibromoethane (EDB)	ND	0.00633		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Chlorobenzene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0380		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Ethylbenzene	ND	0.0380		mg/Kg-dry	1	11/27/2013 11:38:00 AM
m,p-Xylene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
o-Xylene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Styrene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Isopropylbenzene	ND	0.101		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Bromoform	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
n-Propylbenzene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Bromobenzene	ND	0.0380		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,3,5-Trimethylbenzene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
2-Chlorotoluene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
4-Chlorotoluene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
tert-Butylbenzene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,2,3-Trichloropropane	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,2,4-Trichlorobenzene	ND	0.0633		mg/Kg-dry	1	11/27/2013 11:38:00 AM
sec-Butylbenzene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
4-Isopropyltoluene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,3-Dichlorobenzene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,4-Dichlorobenzene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
n-Butylbenzene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,2-Dichlorobenzene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0380		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,2,4-Trimethylbenzene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Hexachlorobutadiene	ND	0.127		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Naphthalene	ND	0.0380		mg/Kg-dry	1	11/27/2013 11:38:00 AM
1,2,3-Trichlorobenzene	ND	0.0253		mg/Kg-dry	1	11/27/2013 11:38:00 AM
Surr: Dibromofluoromethane	87.4	63.7-129		%REC	1	11/27/2013 11:38:00 AM
Surr: Toluene-d8	98.8	61.4-128		%REC	1	11/27/2013 11:38:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.0	63.1-141		%REC	1	11/27/2013 11:38:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/26/2013 8:24:00 AM

Project: Former Pace National Property

Lab ID: 1311299-001

Matrix: Soil

Client Sample ID: Area1-WSW1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11322 Analyst: JS

Percent Moisture	20.9			wt%	1	11/26/2013 4:56:53 PM
------------------	------	--	--	-----	---	-----------------------

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- RL Reporting Limit

- D Dilution was required
- H Holding times for preparation or analysis exceeded
- ND Not detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.

Collection Date: 11/26/2013 8:33:00 AM

Project: Former Pace National Property

Lab ID: 1311299-002

Matrix: Soil

Client Sample ID: Area1-NSW1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6008

Analyst: BR

Diesel (Fuel Oil)	ND	22.4		mg/Kg-dry	1	11/27/2013 5:16:00 AM
Heavy Oil	ND	56.0		mg/Kg-dry	1	11/27/2013 5:16:00 AM
Surr: 2-Fluorobiphenyl	110	50-150		%REC	1	11/27/2013 5:16:00 AM
Surr: o-Terphenyl	109	50-150		%REC	1	11/27/2013 5:16:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6000

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0692		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Chloromethane	ND	0.0692		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Vinyl chloride	ND	0.00231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Bromomethane	ND	0.104		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0577		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Chloroethane	ND	0.0692		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,1-Dichloroethene	ND	0.0577		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Methylene chloride	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
trans-1,2-Dichloroethene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0577		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,1-Dichloroethane	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
2,2-Dichloropropane	ND	0.0577		mg/Kg-dry	1	11/27/2013 12:04:00 PM
cis-1,2-Dichloroethene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Chloroform	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,1-Dichloropropene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Carbon tetrachloride	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,2-Dichloroethane (EDC)	ND	0.0346		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Benzene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Trichloroethene (TCE)	ND	0.0346		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,2-Dichloropropane	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Bromodichloromethane	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Dibromomethane	ND	0.0462		mg/Kg-dry	1	11/27/2013 12:04:00 PM
cis-1,3-Dichloropropene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Toluene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
trans-1,3-Dichloropropylene	ND	0.0346		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,1,2-Trichloroethane	ND	0.0346		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,3-Dichloropropane	ND	0.0577		mg/Kg-dry	1	11/27/2013 12:04:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.

Collection Date: 11/26/2013 8:33:00 AM

Project: Former Pace National Property

Lab ID: 1311299-002

Matrix: Soil

Client Sample ID: Area1-NSW1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6000

Analyst: EM

Tetrachloroethene (PCE)	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Dibromochloromethane	ND	0.0346		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,2-Dibromoethane (EDB)	ND	0.00577		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Chlorobenzene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0346		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Ethylbenzene	ND	0.0346		mg/Kg-dry	1	11/27/2013 12:04:00 PM
m,p-Xylene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
o-Xylene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Styrene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Isopropylbenzene	ND	0.0923		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Bromoform	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
n-Propylbenzene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Bromobenzene	ND	0.0346		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,3,5-Trimethylbenzene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
2-Chlorotoluene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
4-Chlorotoluene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
tert-Butylbenzene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,2,3-Trichloropropane	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,2,4-Trichlorobenzene	ND	0.0577		mg/Kg-dry	1	11/27/2013 12:04:00 PM
sec-Butylbenzene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
4-Isopropyltoluene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,3-Dichlorobenzene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,4-Dichlorobenzene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
n-Butylbenzene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,2-Dichlorobenzene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0346		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,2,4-Trimethylbenzene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Hexachlorobutadiene	ND	0.115		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Naphthalene	ND	0.0346		mg/Kg-dry	1	11/27/2013 12:04:00 PM
1,2,3-Trichlorobenzene	ND	0.0231		mg/Kg-dry	1	11/27/2013 12:04:00 PM
Surr: Dibromofluoromethane	87.5	63.7-129		%REC	1	11/27/2013 12:04:00 PM
Surr: Toluene-d8	98.5	61.4-128		%REC	1	11/27/2013 12:04:00 PM
Surr: 1-Bromo-4-fluorobenzene	98.1	63.1-141		%REC	1	11/27/2013 12:04:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/26/2013 8:33:00 AM

Project: Former Pace National Property

Lab ID: 1311299-002

Matrix: Soil

Client Sample ID: Area1-NSW1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11322 Analyst: JS

Percent Moisture	9.65			wt%	1	11/26/2013 4:56:53 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.

Collection Date: 11/26/2013 8:42:00 AM

Project: Former Pace National Property

Lab ID: 1311299-003

Matrix: Soil

Client Sample ID: Area1-ESW1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6008

Analyst: BR

Diesel (Fuel Oil)	ND	22.0		mg/Kg-dry	1	11/27/2013 5:48:00 AM
Heavy Oil	ND	55.0		mg/Kg-dry	1	11/27/2013 5:48:00 AM
Surr: 2-Fluorobiphenyl	117	50-150		%REC	1	11/27/2013 5:48:00 AM
Surr: o-Terphenyl	117	50-150		%REC	1	11/27/2013 5:48:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6000

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0687		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Chloromethane	ND	0.0687		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Vinyl chloride	ND	0.00229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Bromomethane	ND	0.103		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0572		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Chloroethane	ND	0.0687		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,1-Dichloroethene	ND	0.0572		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Methylene chloride	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
trans-1,2-Dichloroethene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0572		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,1-Dichloroethane	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
2,2-Dichloropropane	ND	0.0572		mg/Kg-dry	1	11/27/2013 12:30:00 PM
cis-1,2-Dichloroethene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Chloroform	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,1-Dichloropropene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Carbon tetrachloride	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,2-Dichloroethane (EDC)	ND	0.0343		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Benzene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Trichloroethene (TCE)	ND	0.0343		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,2-Dichloropropane	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Bromodichloromethane	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Dibromomethane	ND	0.0458		mg/Kg-dry	1	11/27/2013 12:30:00 PM
cis-1,3-Dichloropropene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Toluene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
trans-1,3-Dichloropropylene	ND	0.0343		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,1,2-Trichloroethane	ND	0.0343		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,3-Dichloropropane	ND	0.0572		mg/Kg-dry	1	11/27/2013 12:30:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.

Collection Date: 11/26/2013 8:42:00 AM

Project: Former Pace National Property

Lab ID: 1311299-003

Matrix: Soil

Client Sample ID: Area1-ESW1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6000

Analyst: EM

Tetrachloroethene (PCE)	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Dibromochloromethane	ND	0.0343		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,2-Dibromoethane (EDB)	ND	0.00572		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Chlorobenzene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0343		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Ethylbenzene	ND	0.0343		mg/Kg-dry	1	11/27/2013 12:30:00 PM
m,p-Xylene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
o-Xylene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Styrene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Isopropylbenzene	ND	0.0916		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Bromoform	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
n-Propylbenzene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Bromobenzene	ND	0.0343		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,3,5-Trimethylbenzene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
2-Chlorotoluene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
4-Chlorotoluene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
tert-Butylbenzene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,2,3-Trichloropropane	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,2,4-Trichlorobenzene	ND	0.0572		mg/Kg-dry	1	11/27/2013 12:30:00 PM
sec-Butylbenzene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
4-Isopropyltoluene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,3-Dichlorobenzene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,4-Dichlorobenzene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
n-Butylbenzene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,2-Dichlorobenzene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0343		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,2,4-Trimethylbenzene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Hexachlorobutadiene	ND	0.114		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Naphthalene	ND	0.0343		mg/Kg-dry	1	11/27/2013 12:30:00 PM
1,2,3-Trichlorobenzene	ND	0.0229		mg/Kg-dry	1	11/27/2013 12:30:00 PM
Surr: Dibromofluoromethane	89.1	63.7-129		%REC	1	11/27/2013 12:30:00 PM
Surr: Toluene-d8	99.5	61.4-128		%REC	1	11/27/2013 12:30:00 PM
Surr: 1-Bromo-4-fluorobenzene	98.4	63.1-141		%REC	1	11/27/2013 12:30:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/26/2013 8:42:00 AM

Project: Former Pace National Property

Lab ID: 1311299-003

Matrix: Soil

Client Sample ID: Area1-ESW1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11322 Analyst: JS

Percent Moisture	13.8			wt%	1	11/26/2013 4:56:53 PM
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Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- RL Reporting Limit

- D Dilution was required
- H Holding times for preparation or analysis exceeded
- ND Not detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1311299-004
Client Sample ID: Area1-Base1-13

Collection Date: 11/26/2013 9:07:00 AM

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6008

Analyst: BR

Diesel (Fuel Oil)	ND	23.5		mg/Kg-dry	1	11/27/2013 6:20:00 AM
Heavy Oil	ND	58.8		mg/Kg-dry	1	11/27/2013 6:20:00 AM
Surr: 2-Fluorobiphenyl	108	50-150		%REC	1	11/27/2013 6:20:00 AM
Surr: o-Terphenyl	108	50-150		%REC	1	11/27/2013 6:20:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6000

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0658		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Chloromethane	ND	0.0658		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Vinyl chloride	ND	0.00219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Bromomethane	ND	0.0986		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0548		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Chloroethane	ND	0.0658		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,1-Dichloroethene	ND	0.0548		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Methylene chloride	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
trans-1,2-Dichloroethene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0548		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,1-Dichloroethane	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
2,2-Dichloropropane	ND	0.0548		mg/Kg-dry	1	11/27/2013 12:57:00 PM
cis-1,2-Dichloroethene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Chloroform	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,1-Dichloropropene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Carbon tetrachloride	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,2-Dichloroethane (EDC)	ND	0.0329		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Benzene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Trichloroethene (TCE)	ND	0.0329		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,2-Dichloropropane	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Bromodichloromethane	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Dibromomethane	ND	0.0438		mg/Kg-dry	1	11/27/2013 12:57:00 PM
cis-1,3-Dichloropropene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Toluene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
trans-1,3-Dichloropropylene	ND	0.0329		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,1,2-Trichloroethane	ND	0.0329		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,3-Dichloropropane	ND	0.0548		mg/Kg-dry	1	11/27/2013 12:57:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit
 D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.

Collection Date: 11/26/2013 9:07:00 AM

Project: Former Pace National Property

Lab ID: 1311299-004

Matrix: Soil

Client Sample ID: Area1-Base1-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6000

Analyst: EM

Tetrachloroethene (PCE)	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Dibromochloromethane	ND	0.0329		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,2-Dibromoethane (EDB)	ND	0.00548		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Chlorobenzene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0329		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Ethylbenzene	ND	0.0329		mg/Kg-dry	1	11/27/2013 12:57:00 PM
m,p-Xylene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
o-Xylene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Styrene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Isopropylbenzene	ND	0.0877		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Bromoform	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
n-Propylbenzene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Bromobenzene	ND	0.0329		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,3,5-Trimethylbenzene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
2-Chlorotoluene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
4-Chlorotoluene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
tert-Butylbenzene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,2,3-Trichloropropane	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,2,4-Trichlorobenzene	ND	0.0548		mg/Kg-dry	1	11/27/2013 12:57:00 PM
sec-Butylbenzene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
4-Isopropyltoluene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,3-Dichlorobenzene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,4-Dichlorobenzene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
n-Butylbenzene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,2-Dichlorobenzene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0329		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,2,4-Trimethylbenzene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Hexachlorobutadiene	ND	0.110		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Naphthalene	ND	0.0329		mg/Kg-dry	1	11/27/2013 12:57:00 PM
1,2,3-Trichlorobenzene	ND	0.0219		mg/Kg-dry	1	11/27/2013 12:57:00 PM
Surr: Dibromofluoromethane	87.5	63.7-129		%REC	1	11/27/2013 12:57:00 PM
Surr: Toluene-d8	98.4	61.4-128		%REC	1	11/27/2013 12:57:00 PM
Surr: 1-Bromo-4-fluorobenzene	98.1	63.1-141		%REC	1	11/27/2013 12:57:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/26/2013 9:07:00 AM

Project: Former Pace National Property

Lab ID: 1311299-004

Matrix: Soil

Client Sample ID: Area1-Base1-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11322 Analyst: JS

Percent Moisture	14.5			wt%	1	11/26/2013 4:56:53 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.

Collection Date: 11/26/2013 9:13:00 AM

Project: Former Pace National Property

Lab ID: 1311299-005

Matrix: Soil

Client Sample ID: Area1-Base2-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6008

Analyst: BR

Diesel (Fuel Oil)	ND	23.8		mg/Kg-dry	1	11/27/2013 6:52:00 AM
Heavy Oil	ND	59.6		mg/Kg-dry	1	11/27/2013 6:52:00 AM
Surr: 2-Fluorobiphenyl	119	50-150		%REC	1	11/27/2013 6:52:00 AM
Surr: o-Terphenyl	119	50-150		%REC	1	11/27/2013 6:52:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6000

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0650		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Chloromethane	ND	0.0650		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Vinyl chloride	ND	0.00217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Bromomethane	ND	0.0975		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0542		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Chloroethane	ND	0.0650		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,1-Dichloroethene	ND	0.0542		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Methylene chloride	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
trans-1,2-Dichloroethene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0542		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,1-Dichloroethane	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
2,2-Dichloropropane	ND	0.0542		mg/Kg-dry	1	11/27/2013 1:23:00 PM
cis-1,2-Dichloroethene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Chloroform	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,1-Dichloropropene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Carbon tetrachloride	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,2-Dichloroethane (EDC)	ND	0.0325		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Benzene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Trichloroethene (TCE)	ND	0.0325		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,2-Dichloropropane	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Bromodichloromethane	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Dibromomethane	ND	0.0433		mg/Kg-dry	1	11/27/2013 1:23:00 PM
cis-1,3-Dichloropropene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Toluene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
trans-1,3-Dichloropropylene	ND	0.0325		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,1,2-Trichloroethane	ND	0.0325		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,3-Dichloropropane	ND	0.0542		mg/Kg-dry	1	11/27/2013 1:23:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.

Collection Date: 11/26/2013 9:13:00 AM

Project: Former Pace National Property

Lab ID: 1311299-005

Matrix: Soil

Client Sample ID: Area1-Base2-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6000

Analyst: EM

Tetrachloroethene (PCE)	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Dibromochloromethane	ND	0.0325		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,2-Dibromoethane (EDB)	ND	0.00542		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Chlorobenzene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0325		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Ethylbenzene	ND	0.0325		mg/Kg-dry	1	11/27/2013 1:23:00 PM
m,p-Xylene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
o-Xylene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Styrene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Isopropylbenzene	ND	0.0867		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Bromoform	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
n-Propylbenzene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Bromobenzene	ND	0.0325		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,3,5-Trimethylbenzene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
2-Chlorotoluene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
4-Chlorotoluene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
tert-Butylbenzene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,2,3-Trichloropropane	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,2,4-Trichlorobenzene	ND	0.0542		mg/Kg-dry	1	11/27/2013 1:23:00 PM
sec-Butylbenzene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
4-Isopropyltoluene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,3-Dichlorobenzene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,4-Dichlorobenzene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
n-Butylbenzene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,2-Dichlorobenzene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0325		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,2,4-Trimethylbenzene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Hexachlorobutadiene	ND	0.108		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Naphthalene	ND	0.0325		mg/Kg-dry	1	11/27/2013 1:23:00 PM
1,2,3-Trichlorobenzene	ND	0.0217		mg/Kg-dry	1	11/27/2013 1:23:00 PM
Surr: Dibromofluoromethane	87.3	63.7-129		%REC	1	11/27/2013 1:23:00 PM
Surr: Toluene-d8	98.8	61.4-128		%REC	1	11/27/2013 1:23:00 PM
Surr: 1-Bromo-4-fluorobenzene	97.9	63.1-141		%REC	1	11/27/2013 1:23:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/26/2013 9:13:00 AM

Project: Former Pace National Property

Lab ID: 1311299-005

Matrix: Soil

Client Sample ID: Area1-Base2-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11322 Analyst: JS

Percent Moisture	14.9			wt%	1	11/26/2013 4:56:53 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1311299-006
Client Sample ID: Area1-SSW1-12

Collection Date: 11/26/2013 9:20:00 AM

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6008

Analyst: BR

Diesel (Fuel Oil)	ND	23.3		mg/Kg-dry	1	11/27/2013 7:24:00 AM
Heavy Oil	203	58.2		mg/Kg-dry	1	11/27/2013 7:24:00 AM
Surr: 2-Fluorobiphenyl	107	50-150		%REC	1	11/27/2013 7:24:00 AM
Surr: o-Terphenyl	107	50-150		%REC	1	11/27/2013 7:24:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6000

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0610		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Chloromethane	ND	0.0610		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Vinyl chloride	ND	0.00203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Bromomethane	ND	0.0915		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0508		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Chloroethane	ND	0.0610		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,1-Dichloroethene	ND	0.0508		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Methylene chloride	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
trans-1,2-Dichloroethene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0508		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,1-Dichloroethane	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
2,2-Dichloropropane	ND	0.0508		mg/Kg-dry	1	11/27/2013 1:50:00 PM
cis-1,2-Dichloroethene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Chloroform	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,1-Dichloropropene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Carbon tetrachloride	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,2-Dichloroethane (EDC)	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Benzene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Trichloroethene (TCE)	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,2-Dichloropropane	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Bromodichloromethane	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Dibromomethane	ND	0.0407		mg/Kg-dry	1	11/27/2013 1:50:00 PM
cis-1,3-Dichloropropene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Toluene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
trans-1,3-Dichloropropylene	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,1,2-Trichloroethane	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,3-Dichloropropane	ND	0.0508		mg/Kg-dry	1	11/27/2013 1:50:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit
 D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.

Collection Date: 11/26/2013 9:20:00 AM

Project: Former Pace National Property

Lab ID: 1311299-006

Matrix: Soil

Client Sample ID: Area1-SSW1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6000

Analyst: EM

Tetrachloroethene (PCE)	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Dibromochloromethane	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,2-Dibromoethane (EDB)	ND	0.00508		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Chlorobenzene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Ethylbenzene	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
m,p-Xylene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
o-Xylene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Styrene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Isopropylbenzene	ND	0.0813		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Bromoform	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
n-Propylbenzene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Bromobenzene	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,3,5-Trimethylbenzene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
2-Chlorotoluene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
4-Chlorotoluene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
tert-Butylbenzene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,2,3-Trichloropropane	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,2,4-Trichlorobenzene	ND	0.0508		mg/Kg-dry	1	11/27/2013 1:50:00 PM
sec-Butylbenzene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
4-Isopropyltoluene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,3-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,4-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
n-Butylbenzene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,2-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,2,4-Trimethylbenzene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Hexachlorobutadiene	ND	0.102		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Naphthalene	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,2,3-Trichlorobenzene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Surr: Dibromofluoromethane	87.5	63.7-129		%REC	1	11/27/2013 1:50:00 PM
Surr: Toluene-d8	99.4	61.4-128		%REC	1	11/27/2013 1:50:00 PM
Surr: 1-Bromo-4-fluorobenzene	99.3	63.1-141		%REC	1	11/27/2013 1:50:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 11/26/2013 9:20:00 AM

Project: Former Pace National Property

Lab ID: 1311299-006

Matrix: Soil

Client Sample ID: Area1-SSW1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Sample Moisture (Percent Moisture)

Batch ID: R11322 Analyst: JS

Percent Moisture	15.1			wt%	1	11/26/2013 4:56:53 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.

Collection Date: 11/18/2013 3:08:00 PM

Project: Former Pace National Property

Lab ID: 1311299-007

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6000

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0600		mg/Kg	1	11/26/2013 11:43:00 PM
Chloromethane	ND	0.0600		mg/Kg	1	11/26/2013 11:43:00 PM
Vinyl chloride	ND	0.00200		mg/Kg	1	11/26/2013 11:43:00 PM
Bromomethane	ND	0.0900		mg/Kg	1	11/26/2013 11:43:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	11/26/2013 11:43:00 PM
Chloroethane	ND	0.0600		mg/Kg	1	11/26/2013 11:43:00 PM
1,1-Dichloroethene	ND	0.0500		mg/Kg	1	11/26/2013 11:43:00 PM
Methylene chloride	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
trans-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0500		mg/Kg	1	11/26/2013 11:43:00 PM
1,1-Dichloroethane	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
2,2-Dichloropropane	ND	0.0500		mg/Kg	1	11/26/2013 11:43:00 PM
cis-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
Chloroform	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
1,1-Dichloropropene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
Carbon tetrachloride	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
1,2-Dichloroethane (EDC)	ND	0.0300		mg/Kg	1	11/26/2013 11:43:00 PM
Benzene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
Trichloroethene (TCE)	ND	0.0300		mg/Kg	1	11/26/2013 11:43:00 PM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
Bromodichloromethane	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
Dibromomethane	ND	0.0400		mg/Kg	1	11/26/2013 11:43:00 PM
cis-1,3-Dichloropropene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
Toluene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
trans-1,3-Dichloropropylene	ND	0.0300		mg/Kg	1	11/26/2013 11:43:00 PM
1,1,2-Trichloroethane	ND	0.0300		mg/Kg	1	11/26/2013 11:43:00 PM
1,3-Dichloropropane	ND	0.0500		mg/Kg	1	11/26/2013 11:43:00 PM
Tetrachloroethene (PCE)	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
Dibromochloromethane	ND	0.0300		mg/Kg	1	11/26/2013 11:43:00 PM
1,2-Dibromoethane (EDB)	ND	0.00500		mg/Kg	1	11/26/2013 11:43:00 PM
Chlorobenzene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0300		mg/Kg	1	11/26/2013 11:43:00 PM
Ethylbenzene	ND	0.0300		mg/Kg	1	11/26/2013 11:43:00 PM
m,p-Xylene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.

Collection Date: 11/18/2013 3:08:00 PM

Project: Former Pace National Property

Lab ID: 1311299-007

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260					Batch ID: 6000	Analyst: EM
o-Xylene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
Styrene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
Isopropylbenzene	ND	0.0800		mg/Kg	1	11/26/2013 11:43:00 PM
Bromoform	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
n-Propylbenzene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
Bromobenzene	ND	0.0300		mg/Kg	1	11/26/2013 11:43:00 PM
1,3,5-Trimethylbenzene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
2-Chlorotoluene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
4-Chlorotoluene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
tert-Butylbenzene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
1,2,3-Trichloropropane	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
1,2,4-Trichlorobenzene	ND	0.0500		mg/Kg	1	11/26/2013 11:43:00 PM
sec-Butylbenzene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
4-Isopropyltoluene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
1,3-Dichlorobenzene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
1,4-Dichlorobenzene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
n-Butylbenzene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
1,2-Dichlorobenzene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0300		mg/Kg	1	11/26/2013 11:43:00 PM
1,2,4-Trimethylbenzene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
Hexachlorobutadiene	ND	0.100		mg/Kg	1	11/26/2013 11:43:00 PM
Naphthalene	ND	0.0300		mg/Kg	1	11/26/2013 11:43:00 PM
1,2,3-Trichlorobenzene	ND	0.0200		mg/Kg	1	11/26/2013 11:43:00 PM
Surr: Dibromofluoromethane	94.6	63.7-129		%REC	1	11/26/2013 11:43:00 PM
Surr: Toluene-d8	101	61.4-128		%REC	1	11/26/2013 11:43:00 PM
Surr: 1-Bromo-4-fluorobenzene	99.5	63.1-141		%REC	1	11/26/2013 11:43:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1311299
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1311299-006ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/26/2013	RunNo: 11348							
Client ID: Area1-SSW1-12	Batch ID: 6008		Analysis Date: 11/27/2013	SeqNo: 227000							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	21.8						0		30	
Heavy Oil	ND	54.5						203.4	200	30	R
Surr: 2-Fluorobiphenyl	24.0		21.80		110	50	150		0		
Surr: o-Terphenyl	23.7		21.80		109	50	150		0		

NOTES:

R - High RPD due to suspected sample inhomogeneity. The method is in control as indicated by the Laboratory Control Sample (LCS).

Sample ID: LCS-6008	SampType: LCS	Units: mg/Kg	Prep Date: 11/26/2013	RunNo: 11348							
Client ID: LCSS	Batch ID: 6008		Analysis Date: 11/27/2013	SeqNo: 227008							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	527	20.0	500.0	0	105	65	135				
Surr: 2-Fluorobiphenyl	21.9		20.00		110	50	150				
Surr: o-Terphenyl	21.0		20.00		105	50	150				

Sample ID: MB-6008	SampType: MBLK	Units: mg/Kg	Prep Date: 11/26/2013	RunNo: 11348							
Client ID: MBLKS	Batch ID: 6008		Analysis Date: 11/27/2013	SeqNo: 227009							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	21.3		20.00		107	50	150				
Surr: o-Terphenyl	21.2		20.00		106	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311299
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311286-013BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/26/2013	RunNo: 11345							
Client ID: BATCH	Batch ID: 6000		Analysis Date: 11/27/2013	SeqNo: 226947							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0649						0		30	
Chloromethane	ND	0.0649						0		30	
Vinyl chloride	ND	0.00216						0		30	
Bromomethane	ND	0.0973						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0541						0		30	
Chloroethane	ND	0.0649						0		30	
1,1-Dichloroethene	ND	0.0541						0		30	
Methylene chloride	ND	0.0216						0		30	
trans-1,2-Dichloroethene	ND	0.0216						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0541						0		30	
1,1-Dichloroethane	ND	0.0216						0		30	
2,2-Dichloropropane	ND	0.0541						0		30	
cis-1,2-Dichloroethene	ND	0.0216						0		30	
Chloroform	ND	0.0216						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0216						0		30	
1,1-Dichloropropene	ND	0.0216						0		30	
Carbon tetrachloride	ND	0.0216						0		30	
1,2-Dichloroethane (EDC)	ND	0.0324						0		30	
Benzene	ND	0.0216						0		30	
Trichloroethene (TCE)	ND	0.0216						0		30	
1,2-Dichloropropane	ND	0.0216						0		30	
Bromodichloromethane	ND	0.0216						0		30	
Dibromomethane	ND	0.0433						0		30	
cis-1,3-Dichloropropene	ND	0.0216						0		30	
Toluene	ND	0.0216						0		30	
trans-1,3-Dichloropropylene	ND	0.0324						0		30	
1,1,2-Trichloroethane	ND	0.0324						0		30	
1,3-Dichloropropane	ND	0.0541						0		30	
Tetrachloroethene (PCE)	ND	0.0216						0		30	

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311299
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311286-013BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/26/2013	RunNo: 11345							
Client ID: BATCH	Batch ID: 6000		Analysis Date: 11/27/2013	SeqNo: 226947							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloromethane	ND	0.0324						0		30	
1,2-Dibromoethane (EDB)	ND	0.00541						0		30	
Chlorobenzene	ND	0.0216						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0324						0		30	
Ethylbenzene	ND	0.0324						0		30	
m,p-Xylene	ND	0.0216						0		30	
o-Xylene	ND	0.0216						0		30	
Styrene	ND	0.0216						0		30	
Isopropylbenzene	ND	0.0865						0		30	
Bromoform	ND	0.0216						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0216						0		30	
n-Propylbenzene	ND	0.0216						0		30	
Bromobenzene	ND	0.0324						0		30	
1,3,5-Trimethylbenzene	ND	0.0216						0		30	
2-Chlorotoluene	ND	0.0216						0		30	
4-Chlorotoluene	ND	0.0216						0		30	
tert-Butylbenzene	ND	0.0216						0		30	
1,2,3-Trichloropropane	ND	0.0216						0		30	
1,2,4-Trichlorobenzene	ND	0.0541						0		30	
sec-Butylbenzene	ND	0.0216						0		30	
4-Isopropyltoluene	ND	0.0216						0		30	
1,3-Dichlorobenzene	ND	0.0216						0		30	
1,4-Dichlorobenzene	ND	0.0216						0		30	
n-Butylbenzene	ND	0.0216						0		30	
1,2-Dichlorobenzene	ND	0.0216						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0324						0		30	
1,2,4-Trimethylbenzene	ND	0.0216						0		30	
Hexachlorobutadiene	ND	0.108						0		30	
Naphthalene	0.0768	0.0324						0.06812	11.9	30	

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Work Order: 1311299
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311286-013BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/26/2013	RunNo: 11345							
Client ID: BATCH	Batch ID: 6000		Analysis Date: 11/27/2013	SeqNo: 226947							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	ND	0.0216						0		30	
Surr: Dibromofluoromethane	2.49		2.703		92.3	63.7	129		0		
Surr: Toluene-d8	2.73		2.703		101	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.67		2.703		98.6	63.1	141		0		

Sample ID: 1311286-017BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/26/2013	RunNo: 11345							
Client ID: BATCH	Batch ID: 6000		Analysis Date: 11/27/2013	SeqNo: 226949							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.728	0.0637	1.062	0	68.6	43.5	121				
Chloromethane	0.942	0.0637	1.062	0	88.7	45	130				
Vinyl chloride	1.03	0.00212	1.062	0	97.3	51.2	146				
Bromomethane	1.10	0.0955	1.062	0	103	21.3	120				
Trichlorofluoromethane (CFC-11)	0.863	0.0531	1.062	0	81.3	35	131				
Chloroethane	1.10	0.0637	1.062	0	104	43.8	117				
1,1-Dichloroethene	1.29	0.0531	1.062	0	122	61.9	141				
Methylene chloride	1.21	0.0212	1.062	0	114	54.7	142				
trans-1,2-Dichloroethene	1.14	0.0212	1.062	0	107	52	136				
Methyl tert-butyl ether (MTBE)	1.01	0.0531	1.062	0	95.4	54.4	132				
1,1-Dichloroethane	1.12	0.0212	1.062	0	105	51.8	141				
2,2-Dichloropropane	0.890	0.0531	1.062	0	83.8	36	123				
cis-1,2-Dichloroethene	1.12	0.0212	1.062	0	106	58.6	136				
Chloroform	1.10	0.0212	1.062	0	104	53.2	129				
1,1,1-Trichloroethane (TCA)	1.06	0.0212	1.062	0	99.5	58.3	145				
1,1-Dichloropropene	1.13	0.0212	1.062	0	106	55.1	138				
Carbon tetrachloride	1.02	0.0212	1.062	0	95.7	53.3	144				
1,2-Dichloroethane (EDC)	1.09	0.0318	1.062	0	103	51.3	139				
Benzene	1.11	0.0212	1.062	0	105	63.5	133				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311299
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311286-017BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/26/2013	RunNo: 11345
Client ID: BATCH	Batch ID: 6000		Analysis Date: 11/27/2013	SeqNo: 226949

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	1.16	0.0212	1.062	0	109	68.6	132				
1,2-Dichloropropane	1.09	0.0212	1.062	0	103	59	136				
Bromodichloromethane	1.01	0.0212	1.062	0	95.4	50.7	141				
Dibromomethane	1.08	0.0425	1.062	0	102	50.6	137				
cis-1,3-Dichloropropene	1.01	0.0212	1.062	0	94.8	50.4	138				
Toluene	1.12	0.0212	1.062	0.006369	105	63.4	132				
trans-1,3-Dichloropropylene	0.978	0.0318	1.062	0	92.1	44.1	147				
1,1,2-Trichloroethane	1.12	0.0318	1.062	0	105	51.6	137				
1,3-Dichloropropane	1.08	0.0531	1.062	0	101	53.1	134				
Tetrachloroethene (PCE)	1.11	0.0212	1.062	0	105	35.6	158				
Dibromochloromethane	1.00	0.0318	1.062	0	94.6	55.3	140				
1,2-Dibromoethane (EDB)	1.10	0.00531	1.062	0	104	50.4	136				
Chlorobenzene	1.10	0.0212	1.062	0	103	60	133				
1,1,1,2-Tetrachloroethane	1.06	0.0318	1.062	0	99.7	53.1	142				
Ethylbenzene	1.12	0.0318	1.062	0	106	54.5	134				
m,p-Xylene	2.24	0.0212	2.123	0	105	53.1	132				
o-Xylene	1.12	0.0212	1.062	0	105	53.3	139				
Styrene	1.10	0.0212	1.062	0	104	51.1	132				
Isopropylbenzene	1.12	0.0849	1.062	0	106	58.9	138				
Bromoform	0.969	0.0212	1.062	0	91.3	57.9	130				
1,1,1,2,2-Tetrachloroethane	1.01	0.0212	1.062	0	94.8	51.9	131				
n-Propylbenzene	1.11	0.0212	1.062	0	104	53.6	140				
Bromobenzene	1.07	0.0318	1.062	0	101	54.2	140				
1,3,5-Trimethylbenzene	1.12	0.0212	1.062	0	105	51.8	136				
2-Chlorotoluene	1.11	0.0212	1.062	0	104	51.6	136				
4-Chlorotoluene	1.09	0.0212	1.062	0	103	50.1	139				
tert-Butylbenzene	1.13	0.0212	1.062	0	107	50.5	135				
1,2,3-Trichloropropane	1.06	0.0212	1.062	0	99.6	50.5	131				
1,2,4-Trichlorobenzene	1.11	0.0531	1.062	0	105	50.8	130				

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1311299
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311286-017BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/26/2013	RunNo: 11345							
Client ID: BATCH	Batch ID: 6000		Analysis Date: 11/27/2013	SeqNo: 226949							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

sec-Butylbenzene	1.12	0.0212	1.062	0	105	52.6	141				
4-Isopropyltoluene	1.11	0.0212	1.062	0	105	52.9	134				
1,3-Dichlorobenzene	1.13	0.0212	1.062	0	106	52.6	131				
1,4-Dichlorobenzene	1.13	0.0212	1.062	0	107	52.9	129				
n-Butylbenzene	1.14	0.0212	1.062	0	107	52.6	130				
1,2-Dichlorobenzene	1.12	0.0212	1.062	0	105	55.8	129				
1,2-Dibromo-3-chloropropane	0.996	0.0318	1.062	0	93.8	40.5	131				
1,2,4-Trimethylbenzene	1.10	0.0212	1.062	0	104	50.6	137				
Hexachlorobutadiene	1.11	0.106	1.062	0	105	40.6	158				
Naphthalene	1.12	0.0318	1.062	0	106	52.3	124				
1,2,3-Trichlorobenzene	1.10	0.0212	1.062	0	104	54.4	124				
Surr: Dibromofluoromethane	2.61		2.654		98.5	63.7	129				
Surr: Toluene-d8	2.68		2.654		101	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.67		2.654		101	63.1	141				

Sample ID: MB-6000	SampType: MBLK	Units: mg/Kg	Prep Date: 11/26/2013	RunNo: 11345							
Client ID: MBLKS	Batch ID: 6000		Analysis Date: 11/26/2013	SeqNo: 226971							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311299
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-6000	SampType: MBLK	Units: mg/Kg	Prep Date: 11/26/2013	RunNo: 11345							
Client ID: MBLKS	Batch ID: 6000		Analysis Date: 11/26/2013	SeqNo: 226971							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methyl tert-butyl ether (MTBE)	ND	0.0500									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
1,1,1-Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane (EDC)	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311299
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-6000	SampType: MBLK	Units: mg/Kg	Prep Date: 11/26/2013	RunNo: 11345
Client ID: MBLKS	Batch ID: 6000		Analysis Date: 11/26/2013	SeqNo: 226971

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachlorobutadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: Dibromofluoromethane	2.34		2.500		93.6	63.7	129				
Surr: Toluene-d8	2.54		2.500		101	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.51		2.500		100	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311299
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6000	SampType: LCS	Units: mg/Kg	Prep Date: 11/26/2013	RunNo: 11345
Client ID: LCSS	Batch ID: 6000		Analysis Date: 11/26/2013	SeqNo: 226972

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.642	0.0600	1.000	0	64.2	37.7	136				
Chloromethane	0.791	0.0600	1.000	0	79.1	38.8	132				
Vinyl chloride	0.814	0.00200	1.000	0	81.4	56.1	130				
Bromomethane	0.924	0.0900	1.000	0	92.4	41.3	148				
Trichlorofluoromethane (CFC-11)	0.736	0.0500	1.000	0	73.6	60.3	132				
Chloroethane	0.893	0.0600	1.000	0	89.2	37.1	144				
1,1-Dichloroethene	0.873	0.0500	1.000	0	87.3	49.7	142				
Methylene chloride	0.940	0.0200	1.000	0	94.0	57.6	135				
trans-1,2-Dichloroethene	0.954	0.0200	1.000	0	95.4	68.7	127				
Methyl tert-butyl ether (MTBE)	0.950	0.0500	1.000	0	95.0	59.1	138				
1,1-Dichloroethane	0.969	0.0200	1.000	0	96.9	65.5	132				
2,2-Dichloropropane	0.844	0.0500	1.000	0	84.4	28.1	149				
cis-1,2-Dichloroethene	0.982	0.0200	1.000	0	98.2	71.6	123				
Chloroform	0.984	0.0200	1.000	0	98.4	67.5	129				
1,1,1-Trichloroethane (TCA)	0.923	0.0200	1.000	0	92.3	69	132				
1,1-Dichloropropene	0.976	0.0200	1.000	0	97.6	72.7	131				
Carbon tetrachloride	0.908	0.0200	1.000	0	90.8	63.4	137				
1,2-Dichloroethane (EDC)	0.987	0.0300	1.000	0	98.7	68.7	133				
Benzene	0.970	0.0200	1.000	0	97.0	74.6	124				
Trichloroethene (TCE)	0.996	0.0200	1.000	0	99.6	67.4	133				
1,2-Dichloropropane	0.984	0.0200	1.000	0	98.4	72.7	133				
Bromodichloromethane	0.941	0.0200	1.000	0	94.1	76.1	136				
Dibromomethane	0.976	0.0400	1.000	0	97.6	70	130				
cis-1,3-Dichloropropene	0.956	0.0200	1.000	0	95.6	59.1	143				
Toluene	0.975	0.0200	1.000	0	97.5	79.9	118				
trans-1,3-Dichloropropylene	0.932	0.0300	1.000	0	93.2	49.2	149				
1,1,2-Trichloroethane	0.973	0.0300	1.000	0	97.3	74.5	129				
1,3-Dichloropropane	0.977	0.0500	1.000	0	97.7	70	130				
Tetrachloroethene (PCE)	0.969	0.0200	1.000	0	96.9	52.7	150				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311299
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6000	SampType: LCS	Units: mg/Kg	Prep Date: 11/26/2013	RunNo: 11345
Client ID: LCSS	Batch ID: 6000		Analysis Date: 11/26/2013	SeqNo: 226972

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	0.924	0.0300	1.000	0	92.4	70.6	144				
1,2-Dibromoethane (EDB)	0.998	0.00500	1.000	0	99.8	70	130				
Chlorobenzene	0.968	0.0200	1.000	0	96.8	76.1	123				
1,1,1,2-Tetrachloroethane	0.958	0.0300	1.000	0	95.8	74.8	131				
Ethylbenzene	0.967	0.0300	1.000	0	96.7	74	129				
m,p-Xylene	1.95	0.0200	2.000	0	97.5	79.8	128				
o-Xylene	0.980	0.0200	1.000	0	98.0	72.7	124				
Styrene	0.972	0.0200	1.000	0	97.2	76.8	130				
Isopropylbenzene	0.970	0.0800	1.000	0	97.0	70	130				
Bromoform	0.900	0.0200	1.000	0	90.0	67	154				
1,1,2,2-Tetrachloroethane	0.915	0.0200	1.000	0	91.5	60	130				
n-Propylbenzene	0.958	0.0200	1.000	0	95.8	78	130				
Bromobenzene	0.968	0.0300	1.000	0	96.8	49.2	144				
1,3,5-Trimethylbenzene	0.970	0.0200	1.000	0	97.0	74.6	123				
2-Chlorotoluene	0.964	0.0200	1.000	0	96.4	76.7	129				
4-Chlorotoluene	0.960	0.0200	1.000	0	96.0	77.5	125				
tert-Butylbenzene	0.973	0.0200	1.000	0	97.3	66.2	130				
1,2,3-Trichloropropane	0.963	0.0200	1.000	0	96.3	67.9	136				
1,2,4-Trichlorobenzene	0.956	0.0500	1.000	0	95.6	65.6	137				
sec-Butylbenzene	0.958	0.0200	1.000	0	95.8	75.6	133				
4-Isopropyltoluene	0.959	0.0200	1.000	0	95.9	76.8	131				
1,3-Dichlorobenzene	1.00	0.0200	1.000	0	100	72.8	128				
1,4-Dichlorobenzene	1.00	0.0200	1.000	0	100	72.6	126				
n-Butylbenzene	0.973	0.0200	1.000	0	97.3	65.3	136				
1,2-Dichlorobenzene	0.977	0.0200	1.000	0	97.7	72.8	126				
1,2-Dibromo-3-chloropropane	0.904	0.0300	1.000	0	90.4	60.3	130				
1,2,4-Trimethylbenzene	0.961	0.0200	1.000	0	96.1	77.5	129				
Hexachlorobutadiene	0.956	0.100	1.000	0	95.6	42	151				
Naphthalene	0.964	0.0300	1.000	0	96.4	64	130				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1311299
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6000	SampType: LCS	Units: mg/Kg	Prep Date: 11/26/2013	RunNo: 11345							
Client ID: LCSS	Batch ID: 6000		Analysis Date: 11/26/2013	SeqNo: 226972							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	0.949	0.0200	1.000	0	94.9	62.1	140				
Surr: Dibromofluoromethane	2.49		2.500		99.8	63.7	129				
Surr: Toluene-d8	2.54		2.500		102	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.52		2.500		101	63.1	141				

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Client Name: **PES**
 Logged by: **Chelsea Ward**

Work Order Number: **1311299**
 Date Received: **11/26/2013 10:41:00 AM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 5. Custody seals intact on shipping container/cooler? Yes No Not Required
 6. Was an attempt made to cool the samples? Yes No NA
 7. Were all coolers received at a temperature of >0°C to 10.0°C? Yes No NA
 8. Sample(s) in proper container(s)? Yes No
 9. Sufficient sample volume for indicated test(s)? Yes No
 10. Are samples properly preserved? Yes No
 11. Was preservative added to bottles? Yes No NA
 12. Is the headspace in the VOA vials? Yes No NA
 13. Did all samples containers arrive in good condition(unbroken)? Yes No
 14. Does paperwork match bottle labels? Yes No
 15. Are matrices correctly identified on Chain of Custody? Yes No
 16. Is it clear what analyses were requested? Yes No
 17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

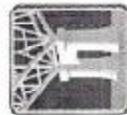
Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

On COC, two samples have name Area1-Base1-13. Sample that was taken at 9:13AM should be Area1-Base2-13 according to bottle labels.

Item Information

Item #	Temp °C	Condition
Cooler	7.3	Good
Sample	6.6	Good



Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103

Tel: 206-352-3790
Fax: 206-352-7178

Client: RES Environmental Inc.
Address: 1215 4th Ave. Suite 1350
City, State, Zip: Seattle WA 98101 tel: (206) 579-3180

Reports To (PM): Bilharin Runklich Fax: (206) 529-3185 Email: Kranich@resenv.com

Chain of Custody Record

Laboratory Project No (Internal): 1311299
Page: 1 of 1

Project Name: Former Pace National Property
Location: 500 4th Ave. S. Kirkland WA 98033
Collected by: Chloe Beer

Project No: 106-009-03-001

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260) GX/BTEX by EPA 80210	Semivol (EPA 8270) Dioxin/Heavy Oil Range Organics	Hydrocarbon Identification (HCDI)	PAH (EPA 8270) SM	PCB (EPA 809)	CI Residues (EPA 8081)	Metals - (EPA 8210)	Total (T) (Dissolved (D))	Anions (Cp)	Comments/Depth
1 Areal - WSW1 - 12	11/26/13	0824	Soil	X	X	X	X	X	X	X	X	X	
2 Areal - NSW1 - 12		0833		X	X	X	X	X	X	X	X	X	
3 Areal - ESW1 - 12		0842		X	X	X	X	X	X	X	X	X	
4 Areal - Basel - 13		0907		X	X	X	X	X	X	X	X	X	
5 Areal - Basel - 13		0913		X	X	X	X	X	X	X	X	X	
6 Areal - SSW1 - 12		0920		X	X	X	X	X	X	X	X	X	
7 TRIP BLANK													
8 <u>Chloe Beer</u>	11/26												
9													
10													

*Metals Analysis (Circle): MICA-5 RCRA-8 Priority Pollutants TAL Individual Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide Phosphate Fluoride Nitrate+Nitrite

Sample Disposition: Return to Client Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished: Kelly Runklich Date/Time: 11/26/13 10:41 x Chloe Beer Date/Time: 11/26/13 10:41

Special Remarks: *silica gel clean up

TAT -> Next Day 2 Day 3 Day STD



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Kelly Rankich
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Google Phase II
Lab ID: 1312008

December 07, 2013

Attention Kelly Rankich:

Fremont Analytical, Inc. received 12 sample(s) on 12/2/2013 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal



Date: 12/07/2013

CLIENT: PES Environmental, Inc.
Project: Google Phase II
Lab Order: 1312008

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1312008-001	Area-2-Base1-18	12/02/2013 11:30 AM	12/02/2013 2:10 PM
1312008-002	Area-2-Base2-18	12/02/2013 11:45 AM	12/02/2013 2:10 PM
1312008-003	Area-2-Base3-18	12/02/2013 12:00 PM	12/02/2013 2:10 PM
1312008-004	Area-2-Base4-18	12/02/2013 12:05 PM	12/02/2013 2:10 PM
1312008-005	Area-2-Base5-18	12/02/2013 12:10 PM	12/02/2013 2:10 PM
1312008-006	Area-2-NSW1-15	12/02/2013 12:40 PM	12/02/2013 2:10 PM
1312008-007	Area-2-ESW1-15	12/02/2013 12:15 PM	12/02/2013 2:10 PM
1312008-008	Area-2-WSW1-15	12/02/2013 12:20 PM	12/02/2013 2:10 PM
1312008-009	Area-2-SWSW1-15	12/02/2013 12:25 PM	12/02/2013 2:10 PM
1312008-010	Area-2-SSW1-15	12/02/2013 12:30 PM	12/02/2013 2:10 PM
1312008-011	Area-2-SESW1-15	12/02/2013 12:45 PM	12/02/2013 2:10 PM
1312008-012	Area-7-WSW2-6	12/02/2013 1:00 PM	12/02/2013 2:10 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.**Project:** Google Phase II

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312008-001A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312008-002A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312008-003A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312008-004A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312008-005A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312008-007A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312008-006A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312008-008A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312008-009A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312008-010A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312008-011A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312008-012A) required Silica Gel Cleanup Procedure (Using Method No 3630C).



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 11:30:00 AM

Project: Google Phase II

Lab ID: 1312008-001

Matrix: Soil

Client Sample ID: Area-2-Base1-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	24.0		mg/Kg-dry	1	12/3/2013 8:43:00 AM
Surr: 2-Fluorobiphenyl	100	50-150		%REC	1	12/3/2013 8:43:00 AM
Surr: o-Terphenyl	92.1	50-150		%REC	1	12/3/2013 8:43:00 AM

Gasoline by NWTPH-Gx

Batch ID: R11396

Analyst: EM

Gasoline	ND	5.12		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Surr: Toluene-d8	115	65-135		%REC	1	12/3/2013 11:31:00 AM
Surr: 4-Bromofluorobenzene	124	65-135		%REC	1	12/3/2013 11:31:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6038

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0615		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Chloromethane	ND	0.0615		mg/Kg-dry	1	12/5/2013 5:10:00 PM
Vinyl chloride	ND	0.00205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Bromomethane	ND	0.0922		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0512		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Chloroethane	ND	0.0615		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,1-Dichloroethene	ND	0.0512		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Methylene chloride	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
trans-1,2-Dichloroethene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0512		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,1-Dichloroethane	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
2,2-Dichloropropane	ND	0.0512		mg/Kg-dry	1	12/3/2013 11:31:00 AM
cis-1,2-Dichloroethene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Chloroform	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,1-Dichloropropene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Carbon tetrachloride	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,2-Dichloroethane (EDC)	ND	0.0307		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Benzene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Trichloroethene (TCE)	ND	0.0307		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,2-Dichloropropane	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Bromodichloromethane	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Dibromomethane	ND	0.0410		mg/Kg-dry	1	12/3/2013 11:31:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 11:30:00 AM

Project: Google Phase II

Lab ID: 1312008-001

Matrix: Soil

Client Sample ID: Area-2-Base1-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6038

Analyst: EM

cis-1,3-Dichloropropene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Toluene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
trans-1,3-Dichloropropylene	ND	0.0307		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,1,2-Trichloroethane	ND	0.0307		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,3-Dichloropropane	ND	0.0512		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Tetrachloroethene (PCE)	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Dibromochloromethane	ND	0.0307		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,2-Dibromoethane (EDB)	ND	0.00512		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Chlorobenzene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0307		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Ethylbenzene	ND	0.0307		mg/Kg-dry	1	12/3/2013 11:31:00 AM
m,p-Xylene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
o-Xylene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Styrene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Isopropylbenzene	ND	0.0820		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Bromoform	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
n-Propylbenzene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Bromobenzene	ND	0.0307		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,3,5-Trimethylbenzene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
2-Chlorotoluene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
4-Chlorotoluene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
tert-Butylbenzene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,2,3-Trichloropropane	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,2,4-Trichlorobenzene	ND	0.0512		mg/Kg-dry	1	12/3/2013 11:31:00 AM
sec-Butylbenzene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
4-Isopropyltoluene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,3-Dichlorobenzene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,4-Dichlorobenzene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
n-Butylbenzene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,2-Dichlorobenzene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0307		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,2,4-Trimethylbenzene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Hexachlorobutadiene	ND	0.102		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Naphthalene	ND	0.0307		mg/Kg-dry	1	12/3/2013 11:31:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 12/2/2013 11:30:00 AM

Project: Google Phase II

Lab ID: 1312008-001

Matrix: Soil

Client Sample ID: Area-2-Base1-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6038

Analyst: EM

1,2,3-Trichlorobenzene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Surr: Dibromofluoromethane	99.8	63.7-129		%REC	1	12/3/2013 11:31:00 AM
Surr: Toluene-d8	97.3	61.4-128		%REC	1	12/3/2013 11:31:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	12/3/2013 11:31:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11377

Analyst: JS

Percent Moisture	17.8			wt%	1	12/2/2013 3:16:18 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 11:45:00 AM

Project: Google Phase II

Lab ID: 1312008-002

Matrix: Soil

Client Sample ID: Area-2-Base2-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	25.2		mg/Kg-dry	1	12/3/2013 9:10:00 AM
Surr: 2-Fluorobiphenyl	97.8	50-150		%REC	1	12/3/2013 9:10:00 AM
Surr: o-Terphenyl	95.6	50-150		%REC	1	12/3/2013 9:10:00 AM

Gasoline by NWTPH-Gx

Batch ID: R11396

Analyst: EM

Gasoline	ND	4.84		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Surr: Toluene-d8	114	65-135		%REC	1	12/3/2013 12:24:00 PM
Surr: 4-Bromofluorobenzene	123	65-135		%REC	1	12/3/2013 12:24:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6038

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0581		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Chloromethane	ND	0.0581		mg/Kg-dry	1	12/5/2013 5:37:00 PM
Vinyl chloride	ND	0.00194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Bromomethane	ND	0.0871		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0484		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Chloroethane	ND	0.0581		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,1-Dichloroethene	ND	0.0484		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Methylene chloride	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
trans-1,2-Dichloroethene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0484		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,1-Dichloroethane	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
2,2-Dichloropropane	ND	0.0484		mg/Kg-dry	1	12/3/2013 12:24:00 PM
cis-1,2-Dichloroethene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Chloroform	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,1-Dichloropropene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Carbon tetrachloride	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,2-Dichloroethane (EDC)	ND	0.0290		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Benzene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Trichloroethene (TCE)	ND	0.0290		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,2-Dichloropropane	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Bromodichloromethane	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Dibromomethane	ND	0.0387		mg/Kg-dry	1	12/3/2013 12:24:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 11:45:00 AM

Project: Google Phase II

Lab ID: 1312008-002

Matrix: Soil

Client Sample ID: Area-2-Base2-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6038

Analyst: EM

cis-1,3-Dichloropropene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Toluene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
trans-1,3-Dichloropropylene	ND	0.0290		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,1,2-Trichloroethane	ND	0.0290		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,3-Dichloropropane	ND	0.0484		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Tetrachloroethene (PCE)	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Dibromochloromethane	ND	0.0290		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,2-Dibromoethane (EDB)	ND	0.00484		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Chlorobenzene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0290		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Ethylbenzene	ND	0.0290		mg/Kg-dry	1	12/3/2013 12:24:00 PM
m,p-Xylene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
o-Xylene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Styrene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Isopropylbenzene	ND	0.0775		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Bromoform	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
n-Propylbenzene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Bromobenzene	ND	0.0290		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,3,5-Trimethylbenzene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
2-Chlorotoluene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
4-Chlorotoluene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
tert-Butylbenzene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,2,3-Trichloropropane	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,2,4-Trichlorobenzene	ND	0.0484		mg/Kg-dry	1	12/3/2013 12:24:00 PM
sec-Butylbenzene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
4-Isopropyltoluene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,3-Dichlorobenzene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,4-Dichlorobenzene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
n-Butylbenzene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,2-Dichlorobenzene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0290		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,2,4-Trimethylbenzene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Hexachlorobutadiene	ND	0.0968		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Naphthalene	ND	0.0290		mg/Kg-dry	1	12/3/2013 12:24:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 12/2/2013 11:45:00 AM

Project: Google Phase II

Lab ID: 1312008-002

Matrix: Soil

Client Sample ID: Area-2-Base2-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6038

Analyst: EM

1,2,3-Trichlorobenzene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Surr: Dibromofluoromethane	98.7	63.7-129		%REC	1	12/3/2013 12:24:00 PM
Surr: Toluene-d8	97.7	61.4-128		%REC	1	12/3/2013 12:24:00 PM
Surr: 1-Bromo-4-fluorobenzene	99.9	63.1-141		%REC	1	12/3/2013 12:24:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11377

Analyst: JS

Percent Moisture	19.2			wt%	1	12/2/2013 3:16:18 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:00:00 PM

Project: Google Phase II

Lab ID: 1312008-003

Matrix: Soil

Client Sample ID: Area-2-Base3-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	23.8		mg/Kg-dry	1	12/3/2013 9:38:00 AM
Surr: 2-Fluorobiphenyl	99.5	50-150		%REC	1	12/3/2013 9:38:00 AM
Surr: o-Terphenyl	92.7	50-150		%REC	1	12/3/2013 9:38:00 AM

Gasoline by NWTPH-Gx

Batch ID: R11399

Analyst: EM

Gasoline	ND	5.09		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Surr: Toluene-d8	97.2	65-135		%REC	1	12/3/2013 9:30:00 AM
Surr: 4-Bromofluorobenzene	97.0	65-135		%REC	1	12/3/2013 9:30:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0611		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Chloromethane	ND	0.0611		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Vinyl chloride	ND	0.00204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Bromomethane	ND	0.0916		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0509		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Chloroethane	ND	0.0611		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,1-Dichloroethene	ND	0.0509		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Methylene chloride	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
trans-1,2-Dichloroethene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0509		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,1-Dichloroethane	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
2,2-Dichloropropane	ND	0.0509		mg/Kg-dry	1	12/3/2013 9:30:00 AM
cis-1,2-Dichloroethene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Chloroform	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,1-Dichloropropene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Carbon tetrachloride	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,2-Dichloroethane (EDC)	ND	0.0305		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Benzene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Trichloroethene (TCE)	ND	0.0305		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,2-Dichloropropane	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Bromodichloromethane	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Dibromomethane	ND	0.0407		mg/Kg-dry	1	12/3/2013 9:30:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:00:00 PM

Project: Google Phase II

Lab ID: 1312008-003

Matrix: Soil

Client Sample ID: Area-2-Base3-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

cis-1,3-Dichloropropene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Toluene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
trans-1,3-Dichloropropylene	ND	0.0305		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,1,2-Trichloroethane	ND	0.0305		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,3-Dichloropropane	ND	0.0509		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Tetrachloroethene (PCE)	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Dibromochloromethane	ND	0.0305		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,2-Dibromoethane (EDB)	ND	0.00509		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Chlorobenzene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0305		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Ethylbenzene	ND	0.0305		mg/Kg-dry	1	12/3/2013 9:30:00 AM
m,p-Xylene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
o-Xylene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Styrene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Isopropylbenzene	ND	0.0814		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Bromoform	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
n-Propylbenzene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Bromobenzene	ND	0.0305		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,3,5-Trimethylbenzene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
2-Chlorotoluene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
4-Chlorotoluene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
tert-Butylbenzene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,2,3-Trichloropropane	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,2,4-Trichlorobenzene	ND	0.0509		mg/Kg-dry	1	12/3/2013 9:30:00 AM
sec-Butylbenzene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
4-Isopropyltoluene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,3-Dichlorobenzene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,4-Dichlorobenzene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
n-Butylbenzene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,2-Dichlorobenzene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0305		mg/Kg-dry	1	12/3/2013 9:30:00 AM
1,2,4-Trimethylbenzene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Hexachlorobutadiene	ND	0.102		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Naphthalene	ND	0.0305		mg/Kg-dry	1	12/3/2013 9:30:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:00:00 PM

Project: Google Phase II

Lab ID: 1312008-003

Matrix: Soil

Client Sample ID: Area-2-Base3-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

1,2,3-Trichlorobenzene	ND	0.0204		mg/Kg-dry	1	12/3/2013 9:30:00 AM
Surr: Dibromofluoromethane	111	63.7-129		%REC	1	12/3/2013 9:30:00 AM
Surr: Toluene-d8	105	61.4-128		%REC	1	12/3/2013 9:30:00 AM
Surr: 1-Bromo-4-fluorobenzene	98.5	63.1-141		%REC	1	12/3/2013 9:30:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11377

Analyst: JS

Percent Moisture	18.8			wt%	1	12/2/2013 3:16:18 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:05:00 PM

Project: Google Phase II

Lab ID: 1312008-004

Matrix: Soil

Client Sample ID: Area-2-Base4-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	23.6		mg/Kg-dry	1	12/3/2013 10:05:00 AM
Surr: 2-Fluorobiphenyl	98.5	50-150		%REC	1	12/3/2013 10:05:00 AM
Surr: o-Terphenyl	91.8	50-150		%REC	1	12/3/2013 10:05:00 AM

Gasoline by NWTPH-Gx

Batch ID: R11399

Analyst: EM

Gasoline	ND	5.28		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Surr: Toluene-d8	96.1	65-135		%REC	1	12/3/2013 10:00:00 AM
Surr: 4-Bromofluorobenzene	97.6	65-135		%REC	1	12/3/2013 10:00:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0634		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Chloromethane	ND	0.0634		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Vinyl chloride	ND	0.00211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Bromomethane	ND	0.0951		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0528		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Chloroethane	ND	0.0634		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,1-Dichloroethene	ND	0.0528		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Methylene chloride	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
trans-1,2-Dichloroethene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0528		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,1-Dichloroethane	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
2,2-Dichloropropane	ND	0.0528		mg/Kg-dry	1	12/3/2013 10:00:00 AM
cis-1,2-Dichloroethene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Chloroform	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,1-Dichloropropene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Carbon tetrachloride	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,2-Dichloroethane (EDC)	ND	0.0317		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Benzene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Trichloroethene (TCE)	ND	0.0317		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,2-Dichloropropane	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Bromodichloromethane	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Dibromomethane	ND	0.0423		mg/Kg-dry	1	12/3/2013 10:00:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:05:00 PM

Project: Google Phase II

Lab ID: 1312008-004

Matrix: Soil

Client Sample ID: Area-2-Base4-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

cis-1,3-Dichloropropene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Toluene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
trans-1,3-Dichloropropylene	ND	0.0317		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,1,2-Trichloroethane	ND	0.0317		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,3-Dichloropropane	ND	0.0528		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Tetrachloroethene (PCE)	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Dibromochloromethane	ND	0.0317		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,2-Dibromoethane (EDB)	ND	0.00528		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Chlorobenzene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0317		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Ethylbenzene	ND	0.0317		mg/Kg-dry	1	12/3/2013 10:00:00 AM
m,p-Xylene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
o-Xylene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Styrene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Isopropylbenzene	ND	0.0846		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Bromoform	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
n-Propylbenzene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Bromobenzene	ND	0.0317		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,3,5-Trimethylbenzene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
2-Chlorotoluene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
4-Chlorotoluene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
tert-Butylbenzene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,2,3-Trichloropropane	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,2,4-Trichlorobenzene	ND	0.0528		mg/Kg-dry	1	12/3/2013 10:00:00 AM
sec-Butylbenzene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
4-Isopropyltoluene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,3-Dichlorobenzene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,4-Dichlorobenzene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
n-Butylbenzene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,2-Dichlorobenzene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0317		mg/Kg-dry	1	12/3/2013 10:00:00 AM
1,2,4-Trimethylbenzene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Hexachlorobutadiene	ND	0.106		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Naphthalene	ND	0.0317		mg/Kg-dry	1	12/3/2013 10:00:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:05:00 PM

Project: Google Phase II

Lab ID: 1312008-004

Matrix: Soil

Client Sample ID: Area-2-Base4-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

1,2,3-Trichlorobenzene	ND	0.0211		mg/Kg-dry	1	12/3/2013 10:00:00 AM
Surr: Dibromofluoromethane	116	63.7-129		%REC	1	12/3/2013 10:00:00 AM
Surr: Toluene-d8	108	61.4-128		%REC	1	12/3/2013 10:00:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.0	63.1-141		%REC	1	12/3/2013 10:00:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11377

Analyst: JS

Percent Moisture	17.0			wt%	1	12/2/2013 3:16:18 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:10:00 PM

Project: Google Phase II

Lab ID: 1312008-005

Matrix: Soil

Client Sample ID: Area-2-Base5-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	23.7		mg/Kg-dry	1	12/3/2013 10:32:00 AM
Surr: 2-Fluorobiphenyl	97.9	50-150		%REC	1	12/3/2013 10:32:00 AM
Surr: o-Terphenyl	91.5	50-150		%REC	1	12/3/2013 10:32:00 AM

Gasoline by NWTPH-Gx

Batch ID: R11399

Analyst: EM

Gasoline	ND	5.59		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Surr: Toluene-d8	98.0	65-135		%REC	1	12/3/2013 10:29:00 AM
Surr: 4-Bromofluorobenzene	97.9	65-135		%REC	1	12/3/2013 10:29:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0671		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Chloromethane	ND	0.0671		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Vinyl chloride	ND	0.00224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Bromomethane	ND	0.101		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0559		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Chloroethane	ND	0.0671		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,1-Dichloroethene	ND	0.0559		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Methylene chloride	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
trans-1,2-Dichloroethene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0559		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,1-Dichloroethane	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
2,2-Dichloropropane	ND	0.0559		mg/Kg-dry	1	12/3/2013 10:29:00 AM
cis-1,2-Dichloroethene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Chloroform	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,1-Dichloropropene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Carbon tetrachloride	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,2-Dichloroethane (EDC)	ND	0.0336		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Benzene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Trichloroethene (TCE)	ND	0.0336		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,2-Dichloropropane	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Bromodichloromethane	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Dibromomethane	ND	0.0447		mg/Kg-dry	1	12/3/2013 10:29:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:10:00 PM

Project: Google Phase II

Lab ID: 1312008-005

Matrix: Soil

Client Sample ID: Area-2-Base5-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

cis-1,3-Dichloropropene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Toluene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
trans-1,3-Dichloropropylene	ND	0.0336		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,1,2-Trichloroethane	ND	0.0336		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,3-Dichloropropane	ND	0.0559		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Tetrachloroethene (PCE)	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Dibromochloromethane	ND	0.0336		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,2-Dibromoethane (EDB)	ND	0.00559		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Chlorobenzene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0336		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Ethylbenzene	ND	0.0336		mg/Kg-dry	1	12/3/2013 10:29:00 AM
m,p-Xylene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
o-Xylene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Styrene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Isopropylbenzene	ND	0.0895		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Bromoform	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
n-Propylbenzene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Bromobenzene	ND	0.0336		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,3,5-Trimethylbenzene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
2-Chlorotoluene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
4-Chlorotoluene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
tert-Butylbenzene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,2,3-Trichloropropane	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,2,4-Trichlorobenzene	ND	0.0559		mg/Kg-dry	1	12/3/2013 10:29:00 AM
sec-Butylbenzene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
4-Isopropyltoluene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,3-Dichlorobenzene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,4-Dichlorobenzene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
n-Butylbenzene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,2-Dichlorobenzene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0336		mg/Kg-dry	1	12/3/2013 10:29:00 AM
1,2,4-Trimethylbenzene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Hexachlorobutadiene	ND	0.112		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Naphthalene	ND	0.0336		mg/Kg-dry	1	12/3/2013 10:29:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:10:00 PM

Project: Google Phase II

Lab ID: 1312008-005

Matrix: Soil

Client Sample ID: Area-2-Base5-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

1,2,3-Trichlorobenzene	ND	0.0224		mg/Kg-dry	1	12/3/2013 10:29:00 AM
Surr: Dibromofluoromethane	118	63.7-129		%REC	1	12/3/2013 10:29:00 AM
Surr: Toluene-d8	109	61.4-128		%REC	1	12/3/2013 10:29:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.4	63.1-141		%REC	1	12/3/2013 10:29:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11377

Analyst: JS

Percent Moisture	16.7			wt%	1	12/2/2013 3:16:18 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:40:00 PM

Project: Google Phase II

Lab ID: 1312008-006

Matrix: Soil

Client Sample ID: Area-2-NSW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	26.8		mg/Kg-dry	1	12/3/2013 11:00:00 AM
Surr: 2-Fluorobiphenyl	97.6	50-150		%REC	1	12/3/2013 11:00:00 AM
Surr: o-Terphenyl	92.0	50-150		%REC	1	12/3/2013 11:00:00 AM

Gasoline by NWTPH-Gx

Batch ID: R11399

Analyst: EM

Gasoline	ND	6.09		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Surr: Toluene-d8	96.2	65-135		%REC	1	12/3/2013 10:59:00 AM
Surr: 4-Bromofluorobenzene	97.6	65-135		%REC	1	12/3/2013 10:59:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0730		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Chloromethane	ND	0.0730		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Vinyl chloride	ND	0.00243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Bromomethane	ND	0.110		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0609		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Chloroethane	ND	0.0730		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,1-Dichloroethene	ND	0.0609		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Methylene chloride	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
trans-1,2-Dichloroethene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0609		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,1-Dichloroethane	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
2,2-Dichloropropane	ND	0.0609		mg/Kg-dry	1	12/3/2013 10:59:00 AM
cis-1,2-Dichloroethene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Chloroform	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,1-Dichloropropene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Carbon tetrachloride	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,2-Dichloroethane (EDC)	ND	0.0365		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Benzene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Trichloroethene (TCE)	ND	0.0365		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,2-Dichloropropane	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Bromodichloromethane	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Dibromomethane	ND	0.0487		mg/Kg-dry	1	12/3/2013 10:59:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:40:00 PM

Project: Google Phase II

Lab ID: 1312008-006

Matrix: Soil

Client Sample ID: Area-2-NSW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260					Batch ID: 6042	Analyst: EM
cis-1,3-Dichloropropene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Toluene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
trans-1,3-Dichloropropylene	ND	0.0365		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,1,2-Trichloroethane	ND	0.0365		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,3-Dichloropropane	ND	0.0609		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Tetrachloroethene (PCE)	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Dibromochloromethane	ND	0.0365		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,2-Dibromoethane (EDB)	ND	0.00609		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Chlorobenzene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0365		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Ethylbenzene	ND	0.0365		mg/Kg-dry	1	12/3/2013 10:59:00 AM
m,p-Xylene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
o-Xylene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Styrene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Isopropylbenzene	ND	0.0974		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Bromoform	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
n-Propylbenzene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Bromobenzene	ND	0.0365		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,3,5-Trimethylbenzene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
2-Chlorotoluene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
4-Chlorotoluene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
tert-Butylbenzene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,2,3-Trichloropropane	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,2,4-Trichlorobenzene	ND	0.0609		mg/Kg-dry	1	12/3/2013 10:59:00 AM
sec-Butylbenzene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
4-Isopropyltoluene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,3-Dichlorobenzene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,4-Dichlorobenzene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
n-Butylbenzene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,2-Dichlorobenzene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0365		mg/Kg-dry	1	12/3/2013 10:59:00 AM
1,2,4-Trimethylbenzene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Hexachlorobutadiene	ND	0.122		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Naphthalene	ND	0.0365		mg/Kg-dry	1	12/3/2013 10:59:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:40:00 PM

Project: Google Phase II

Lab ID: 1312008-006

Matrix: Soil

Client Sample ID: Area-2-NSW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

1,2,3-Trichlorobenzene	ND	0.0243		mg/Kg-dry	1	12/3/2013 10:59:00 AM
Surr: Dibromofluoromethane	119	63.7-129		%REC	1	12/3/2013 10:59:00 AM
Surr: Toluene-d8	114	61.4-128		%REC	1	12/3/2013 10:59:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.0	63.1-141		%REC	1	12/3/2013 10:59:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11377

Analyst: JS

Percent Moisture	23.6			wt%	1	12/2/2013 3:16:18 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:15:00 PM

Project: Google Phase II

Lab ID: 1312008-007

Matrix: Soil

Client Sample ID: Area-2-ESW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	24.9		mg/Kg-dry	1	12/3/2013 11:27:00 AM
Surr: 2-Fluorobiphenyl	97.1	50-150		%REC	1	12/3/2013 11:27:00 AM
Surr: o-Terphenyl	93.1	50-150		%REC	1	12/3/2013 11:27:00 AM

Gasoline by NWTPH-Gx

Batch ID: R11399

Analyst: EM

Gasoline	ND	5.46		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Surr: Toluene-d8	96.6	65-135		%REC	1	12/3/2013 11:28:00 AM
Surr: 4-Bromofluorobenzene	95.4	65-135		%REC	1	12/3/2013 11:28:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0656		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Chloromethane	ND	0.0656		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Vinyl chloride	ND	0.00219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Bromomethane	ND	0.0983		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0546		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Chloroethane	ND	0.0656		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,1-Dichloroethene	ND	0.0546		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Methylene chloride	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
trans-1,2-Dichloroethene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0546		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,1-Dichloroethane	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
2,2-Dichloropropane	ND	0.0546		mg/Kg-dry	1	12/3/2013 11:28:00 AM
cis-1,2-Dichloroethene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Chloroform	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,1-Dichloropropene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Carbon tetrachloride	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,2-Dichloroethane (EDC)	ND	0.0328		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Benzene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Trichloroethene (TCE)	ND	0.0328		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,2-Dichloropropane	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Bromodichloromethane	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Dibromomethane	ND	0.0437		mg/Kg-dry	1	12/3/2013 11:28:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:15:00 PM

Project: Google Phase II

Lab ID: 1312008-007

Matrix: Soil

Client Sample ID: Area-2-ESW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

cis-1,3-Dichloropropene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Toluene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
trans-1,3-Dichloropropylene	ND	0.0328		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,1,2-Trichloroethane	ND	0.0328		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,3-Dichloropropane	ND	0.0546		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Tetrachloroethene (PCE)	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Dibromochloromethane	ND	0.0328		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,2-Dibromoethane (EDB)	ND	0.00546		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Chlorobenzene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0328		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Ethylbenzene	ND	0.0328		mg/Kg-dry	1	12/3/2013 11:28:00 AM
m,p-Xylene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
o-Xylene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Styrene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Isopropylbenzene	ND	0.0874		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Bromoform	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
n-Propylbenzene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Bromobenzene	ND	0.0328		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,3,5-Trimethylbenzene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
2-Chlorotoluene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
4-Chlorotoluene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
tert-Butylbenzene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,2,3-Trichloropropane	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,2,4-Trichlorobenzene	ND	0.0546		mg/Kg-dry	1	12/3/2013 11:28:00 AM
sec-Butylbenzene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
4-Isopropyltoluene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,3-Dichlorobenzene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,4-Dichlorobenzene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
n-Butylbenzene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,2-Dichlorobenzene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0328		mg/Kg-dry	1	12/3/2013 11:28:00 AM
1,2,4-Trimethylbenzene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Hexachlorobutadiene	ND	0.109		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Naphthalene	ND	0.0328		mg/Kg-dry	1	12/3/2013 11:28:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:15:00 PM

Project: Google Phase II

Lab ID: 1312008-007

Matrix: Soil

Client Sample ID: Area-2-ESW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

1,2,3-Trichlorobenzene	ND	0.0219		mg/Kg-dry	1	12/3/2013 11:28:00 AM
Surr: Dibromofluoromethane	116	63.7-129		%REC	1	12/3/2013 11:28:00 AM
Surr: Toluene-d8	107	61.4-128		%REC	1	12/3/2013 11:28:00 AM
Surr: 1-Bromo-4-fluorobenzene	96.8	63.1-141		%REC	1	12/3/2013 11:28:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11377

Analyst: JS

Percent Moisture	16.2			wt%	1	12/2/2013 3:16:18 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:20:00 PM

Project: Google Phase II

Lab ID: 1312008-008

Matrix: Soil

Client Sample ID: Area-2-WSW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	22.4		mg/Kg-dry	1	12/3/2013 11:55:00 AM
Surr: 2-Fluorobiphenyl	97.2	50-150		%REC	1	12/3/2013 11:55:00 AM
Surr: o-Terphenyl	91.6	50-150		%REC	1	12/3/2013 11:55:00 AM

Gasoline by NWTPH-Gx

Batch ID: R11399

Analyst: EM

Gasoline	ND	5.89		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Surr: Toluene-d8	94.7	65-135		%REC	1	12/3/2013 11:57:00 AM
Surr: 4-Bromofluorobenzene	99.3	65-135		%REC	1	12/3/2013 11:57:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0707		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Chloromethane	ND	0.0707		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Vinyl chloride	ND	0.00236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Bromomethane	ND	0.106		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0589		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Chloroethane	ND	0.0707		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,1-Dichloroethene	ND	0.0589		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Methylene chloride	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
trans-1,2-Dichloroethene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0589		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,1-Dichloroethane	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
2,2-Dichloropropane	ND	0.0589		mg/Kg-dry	1	12/3/2013 11:57:00 AM
cis-1,2-Dichloroethene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Chloroform	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,1-Dichloropropene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Carbon tetrachloride	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,2-Dichloroethane (EDC)	ND	0.0353		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Benzene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Trichloroethene (TCE)	ND	0.0353		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,2-Dichloropropane	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Bromodichloromethane	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Dibromomethane	ND	0.0471		mg/Kg-dry	1	12/3/2013 11:57:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:20:00 PM

Project: Google Phase II

Lab ID: 1312008-008

Matrix: Soil

Client Sample ID: Area-2-WSW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

cis-1,3-Dichloropropene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Toluene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
trans-1,3-Dichloropropylene	ND	0.0353		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,1,2-Trichloroethane	ND	0.0353		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,3-Dichloropropane	ND	0.0589		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Tetrachloroethene (PCE)	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Dibromochloromethane	ND	0.0353		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,2-Dibromoethane (EDB)	ND	0.00589		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Chlorobenzene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0353		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Ethylbenzene	ND	0.0353		mg/Kg-dry	1	12/3/2013 11:57:00 AM
m,p-Xylene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
o-Xylene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Styrene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Isopropylbenzene	ND	0.0942		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Bromoform	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
n-Propylbenzene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Bromobenzene	ND	0.0353		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,3,5-Trimethylbenzene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
2-Chlorotoluene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
4-Chlorotoluene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
tert-Butylbenzene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,2,3-Trichloropropane	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,2,4-Trichlorobenzene	ND	0.0589		mg/Kg-dry	1	12/3/2013 11:57:00 AM
sec-Butylbenzene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
4-Isopropyltoluene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,3-Dichlorobenzene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,4-Dichlorobenzene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
n-Butylbenzene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,2-Dichlorobenzene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0353		mg/Kg-dry	1	12/3/2013 11:57:00 AM
1,2,4-Trimethylbenzene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Hexachlorobutadiene	ND	0.118		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Naphthalene	ND	0.0353		mg/Kg-dry	1	12/3/2013 11:57:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:20:00 PM

Project: Google Phase II

Lab ID: 1312008-008

Matrix: Soil

Client Sample ID: Area-2-WSW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

1,2,3-Trichlorobenzene	ND	0.0236		mg/Kg-dry	1	12/3/2013 11:57:00 AM
Surr: Dibromofluoromethane	118	63.7-129		%REC	1	12/3/2013 11:57:00 AM
Surr: Toluene-d8	111	61.4-128		%REC	1	12/3/2013 11:57:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	12/3/2013 11:57:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11377

Analyst: JS

Percent Moisture	20.1			wt%	1	12/2/2013 3:16:18 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:25:00 PM

Project: Google Phase II

Lab ID: 1312008-009

Matrix: Soil

Client Sample ID: Area-2-SWSW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	23.3		mg/Kg-dry	1	12/3/2013 12:22:00 PM
Surr: 2-Fluorobiphenyl	98.1	50-150		%REC	1	12/3/2013 12:22:00 PM
Surr: o-Terphenyl	91.2	50-150		%REC	1	12/3/2013 12:22:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11399

Analyst: EM

Gasoline	ND	4.60		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Surr: Toluene-d8	96.2	65-135		%REC	1	12/3/2013 12:27:00 PM
Surr: 4-Bromofluorobenzene	96.5	65-135		%REC	1	12/3/2013 12:27:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0552		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Chloromethane	ND	0.0552		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Vinyl chloride	ND	0.00184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Bromomethane	ND	0.0828		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0460		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Chloroethane	ND	0.0552		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,1-Dichloroethene	ND	0.0460		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Methylene chloride	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
trans-1,2-Dichloroethene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0460		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,1-Dichloroethane	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
2,2-Dichloropropane	ND	0.0460		mg/Kg-dry	1	12/3/2013 12:27:00 PM
cis-1,2-Dichloroethene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Chloroform	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,1-Dichloropropene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Carbon tetrachloride	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,2-Dichloroethane (EDC)	ND	0.0276		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Benzene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Trichloroethene (TCE)	ND	0.0276		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,2-Dichloropropane	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Bromodichloromethane	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Dibromomethane	ND	0.0368		mg/Kg-dry	1	12/3/2013 12:27:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:25:00 PM

Project: Google Phase II

Lab ID: 1312008-009

Matrix: Soil

Client Sample ID: Area-2-SWSW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

cis-1,3-Dichloropropene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Toluene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
trans-1,3-Dichloropropylene	ND	0.0276		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,1,2-Trichloroethane	ND	0.0276		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,3-Dichloropropane	ND	0.0460		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Tetrachloroethene (PCE)	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Dibromochloromethane	ND	0.0276		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,2-Dibromoethane (EDB)	ND	0.00460		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Chlorobenzene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0276		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Ethylbenzene	ND	0.0276		mg/Kg-dry	1	12/3/2013 12:27:00 PM
m,p-Xylene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
o-Xylene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Styrene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Isopropylbenzene	ND	0.0736		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Bromoform	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
n-Propylbenzene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Bromobenzene	ND	0.0276		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,3,5-Trimethylbenzene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
2-Chlorotoluene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
4-Chlorotoluene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
tert-Butylbenzene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,2,3-Trichloropropane	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,2,4-Trichlorobenzene	ND	0.0460		mg/Kg-dry	1	12/3/2013 12:27:00 PM
sec-Butylbenzene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
4-Isopropyltoluene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,3-Dichlorobenzene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,4-Dichlorobenzene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
n-Butylbenzene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,2-Dichlorobenzene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0276		mg/Kg-dry	1	12/3/2013 12:27:00 PM
1,2,4-Trimethylbenzene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Hexachlorobutadiene	ND	0.0919		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Naphthalene	ND	0.0276		mg/Kg-dry	1	12/3/2013 12:27:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:25:00 PM

Project: Google Phase II

Lab ID: 1312008-009

Matrix: Soil

Client Sample ID: Area-2-SWSW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

1,2,3-Trichlorobenzene	ND	0.0184		mg/Kg-dry	1	12/3/2013 12:27:00 PM
Surr: Dibromofluoromethane	116	63.7-129		%REC	1	12/3/2013 12:27:00 PM
Surr: Toluene-d8	108	61.4-128		%REC	1	12/3/2013 12:27:00 PM
Surr: 1-Bromo-4-fluorobenzene	98.0	63.1-141		%REC	1	12/3/2013 12:27:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11377

Analyst: JS

Percent Moisture	9.64			wt%	1	12/2/2013 3:16:18 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:30:00 PM

Project: Google Phase II

Lab ID: 1312008-010

Matrix: Soil

Client Sample ID: Area-2-SSW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	26.1		mg/Kg-dry	1	12/3/2013 12:49:00 PM
Surr: 2-Fluorobiphenyl	97.4	50-150		%REC	1	12/3/2013 12:49:00 PM
Surr: o-Terphenyl	89.9	50-150		%REC	1	12/3/2013 12:49:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11399

Analyst: EM

Gasoline	ND	5.69		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Surr: Toluene-d8	98.6	65-135		%REC	1	12/3/2013 12:56:00 PM
Surr: 4-Bromofluorobenzene	97.9	65-135		%REC	1	12/3/2013 12:56:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0682		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Chloromethane	ND	0.0682		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Vinyl chloride	ND	0.00227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Bromomethane	ND	0.102		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0569		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Chloroethane	ND	0.0682		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,1-Dichloroethene	ND	0.0569		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Methylene chloride	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
trans-1,2-Dichloroethene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0569		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,1-Dichloroethane	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
2,2-Dichloropropane	ND	0.0569		mg/Kg-dry	1	12/3/2013 12:56:00 PM
cis-1,2-Dichloroethene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Chloroform	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,1-Dichloropropene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Carbon tetrachloride	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,2-Dichloroethane (EDC)	ND	0.0341		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Benzene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Trichloroethene (TCE)	ND	0.0341		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,2-Dichloropropane	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Bromodichloromethane	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Dibromomethane	ND	0.0455		mg/Kg-dry	1	12/3/2013 12:56:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:30:00 PM

Project: Google Phase II

Lab ID: 1312008-010

Matrix: Soil

Client Sample ID: Area-2-SSW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260					Batch ID: 6042	Analyst: EM
cis-1,3-Dichloropropene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Toluene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
trans-1,3-Dichloropropylene	ND	0.0341		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,1,2-Trichloroethane	ND	0.0341		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,3-Dichloropropane	ND	0.0569		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Tetrachloroethene (PCE)	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Dibromochloromethane	ND	0.0341		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,2-Dibromoethane (EDB)	ND	0.00569		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Chlorobenzene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0341		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Ethylbenzene	ND	0.0341		mg/Kg-dry	1	12/3/2013 12:56:00 PM
m,p-Xylene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
o-Xylene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Styrene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Isopropylbenzene	ND	0.0910		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Bromoform	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
n-Propylbenzene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Bromobenzene	ND	0.0341		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,3,5-Trimethylbenzene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
2-Chlorotoluene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
4-Chlorotoluene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
tert-Butylbenzene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,2,3-Trichloropropane	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,2,4-Trichlorobenzene	ND	0.0569		mg/Kg-dry	1	12/3/2013 12:56:00 PM
sec-Butylbenzene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
4-Isopropyltoluene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,3-Dichlorobenzene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,4-Dichlorobenzene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
n-Butylbenzene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,2-Dichlorobenzene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0341		mg/Kg-dry	1	12/3/2013 12:56:00 PM
1,2,4-Trimethylbenzene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Hexachlorobutadiene	ND	0.114		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Naphthalene	ND	0.0341		mg/Kg-dry	1	12/3/2013 12:56:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:30:00 PM

Project: Google Phase II

Lab ID: 1312008-010

Matrix: Soil

Client Sample ID: Area-2-SSW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

1,2,3-Trichlorobenzene	ND	0.0227		mg/Kg-dry	1	12/3/2013 12:56:00 PM
Surr: Dibromofluoromethane	113	63.7-129		%REC	1	12/3/2013 12:56:00 PM
Surr: Toluene-d8	108	61.4-128		%REC	1	12/3/2013 12:56:00 PM
Surr: 1-Bromo-4-fluorobenzene	99.3	63.1-141		%REC	1	12/3/2013 12:56:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11377

Analyst: JS

Percent Moisture	19.6			wt%	1	12/2/2013 3:16:18 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:45:00 PM

Project: Google Phase II

Lab ID: 1312008-011

Matrix: Soil

Client Sample ID: Area-2-SESW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	23.1		mg/Kg-dry	1	12/3/2013 12:26:00 PM
Surr: 2-Fluorobiphenyl	89.3	50-150		%REC	1	12/3/2013 12:26:00 PM
Surr: o-Terphenyl	92.9	50-150		%REC	1	12/3/2013 12:26:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11399

Analyst: EM

Gasoline	ND	5.38		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Surr: Toluene-d8	96.6	65-135		%REC	1	12/3/2013 1:25:00 PM
Surr: 4-Bromofluorobenzene	99.0	65-135		%REC	1	12/3/2013 1:25:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0646		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Chloromethane	ND	0.0646		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Vinyl chloride	ND	0.00215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Bromomethane	ND	0.0969		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0538		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Chloroethane	ND	0.0646		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,1-Dichloroethene	ND	0.0538		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Methylene chloride	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
trans-1,2-Dichloroethene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0538		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,1-Dichloroethane	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
2,2-Dichloropropane	ND	0.0538		mg/Kg-dry	1	12/3/2013 1:25:00 PM
cis-1,2-Dichloroethene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Chloroform	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,1-Dichloropropene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Carbon tetrachloride	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,2-Dichloroethane (EDC)	ND	0.0323		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Benzene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Trichloroethene (TCE)	ND	0.0323		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,2-Dichloropropane	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Bromodichloromethane	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Dibromomethane	ND	0.0431		mg/Kg-dry	1	12/3/2013 1:25:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:45:00 PM

Project: Google Phase II

Lab ID: 1312008-011

Matrix: Soil

Client Sample ID: Area-2-SESW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

cis-1,3-Dichloropropene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Toluene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
trans-1,3-Dichloropropylene	ND	0.0323		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,1,2-Trichloroethane	ND	0.0323		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,3-Dichloropropane	ND	0.0538		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Tetrachloroethene (PCE)	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Dibromochloromethane	ND	0.0323		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,2-Dibromoethane (EDB)	ND	0.00538		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Chlorobenzene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0323		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Ethylbenzene	ND	0.0323		mg/Kg-dry	1	12/3/2013 1:25:00 PM
m,p-Xylene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
o-Xylene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Styrene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Isopropylbenzene	ND	0.0861		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Bromoform	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
n-Propylbenzene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Bromobenzene	ND	0.0323		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,3,5-Trimethylbenzene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
2-Chlorotoluene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
4-Chlorotoluene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
tert-Butylbenzene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,2,3-Trichloropropane	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,2,4-Trichlorobenzene	ND	0.0538		mg/Kg-dry	1	12/3/2013 1:25:00 PM
sec-Butylbenzene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
4-Isopropyltoluene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,3-Dichlorobenzene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,4-Dichlorobenzene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
n-Butylbenzene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,2-Dichlorobenzene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0323		mg/Kg-dry	1	12/3/2013 1:25:00 PM
1,2,4-Trimethylbenzene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Hexachlorobutadiene	ND	0.108		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Naphthalene	ND	0.0323		mg/Kg-dry	1	12/3/2013 1:25:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 12/2/2013 12:45:00 PM

Project: Google Phase II

Lab ID: 1312008-011

Matrix: Soil

Client Sample ID: Area-2-SESW1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

1,2,3-Trichlorobenzene	ND	0.0215		mg/Kg-dry	1	12/3/2013 1:25:00 PM
Surr: Dibromofluoromethane	112	63.7-129		%REC	1	12/3/2013 1:25:00 PM
Surr: Toluene-d8	107	61.4-128		%REC	1	12/3/2013 1:25:00 PM
Surr: 1-Bromo-4-fluorobenzene	100	63.1-141		%REC	1	12/3/2013 1:25:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11377

Analyst: JS

Percent Moisture	17.1			wt%	1	12/2/2013 3:16:18 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 1:00:00 PM

Project: Google Phase II

Lab ID: 1312008-012

Matrix: Soil

Client Sample ID: Area-7-WSW2-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	25.5		mg/Kg-dry	1	12/3/2013 12:58:00 PM
Surr: 2-Fluorobiphenyl	97.5	50-150		%REC	1	12/3/2013 12:58:00 PM
Surr: o-Terphenyl	99.6	50-150		%REC	1	12/3/2013 12:58:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11399

Analyst: EM

Gasoline	ND	6.27		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Surr: Toluene-d8	98.7	65-135		%REC	1	12/3/2013 1:55:00 PM
Surr: 4-Bromofluorobenzene	96.3	65-135		%REC	1	12/3/2013 1:55:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0752		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Chloromethane	ND	0.0752		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Vinyl chloride	ND	0.00251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Bromomethane	ND	0.113		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0627		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Chloroethane	ND	0.0752		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,1-Dichloroethene	ND	0.0627		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Methylene chloride	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
trans-1,2-Dichloroethene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0627		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,1-Dichloroethane	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
2,2-Dichloropropane	ND	0.0627		mg/Kg-dry	1	12/3/2013 1:55:00 PM
cis-1,2-Dichloroethene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Chloroform	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,1-Dichloropropene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Carbon tetrachloride	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,2-Dichloroethane (EDC)	ND	0.0376		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Benzene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Trichloroethene (TCE)	ND	0.0376		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,2-Dichloropropane	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Bromodichloromethane	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Dibromomethane	ND	0.0501		mg/Kg-dry	1	12/3/2013 1:55:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 1:00:00 PM

Project: Google Phase II

Lab ID: 1312008-012

Matrix: Soil

Client Sample ID: Area-7-WSW2-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

cis-1,3-Dichloropropene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Toluene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
trans-1,3-Dichloropropylene	ND	0.0376		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,1,2-Trichloroethane	ND	0.0376		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,3-Dichloropropane	ND	0.0627		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Tetrachloroethene (PCE)	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Dibromochloromethane	ND	0.0376		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,2-Dibromoethane (EDB)	ND	0.00627		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Chlorobenzene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0376		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Ethylbenzene	ND	0.0376		mg/Kg-dry	1	12/3/2013 1:55:00 PM
m,p-Xylene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
o-Xylene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Styrene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Isopropylbenzene	ND	0.100		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Bromoform	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
n-Propylbenzene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Bromobenzene	ND	0.0376		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,3,5-Trimethylbenzene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
2-Chlorotoluene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
4-Chlorotoluene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
tert-Butylbenzene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,2,3-Trichloropropane	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,2,4-Trichlorobenzene	ND	0.0627		mg/Kg-dry	1	12/3/2013 1:55:00 PM
sec-Butylbenzene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
4-Isopropyltoluene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,3-Dichlorobenzene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,4-Dichlorobenzene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
n-Butylbenzene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,2-Dichlorobenzene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0376		mg/Kg-dry	1	12/3/2013 1:55:00 PM
1,2,4-Trimethylbenzene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Hexachlorobutadiene	ND	0.125		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Naphthalene	ND	0.0376		mg/Kg-dry	1	12/3/2013 1:55:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 1:00:00 PM

Project: Google Phase II

Lab ID: 1312008-012

Matrix: Soil

Client Sample ID: Area-7-WSW2-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6042

Analyst: EM

1,2,3-Trichlorobenzene	ND	0.0251		mg/Kg-dry	1	12/3/2013 1:55:00 PM
Surr: Dibromofluoromethane	112	63.7-129		%REC	1	12/3/2013 1:55:00 PM
Surr: Toluene-d8	107	61.4-128		%REC	1	12/3/2013 1:55:00 PM
Surr: 1-Bromo-4-fluorobenzene	97.7	63.1-141		%REC	1	12/3/2013 1:55:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11377

Analyst: JS

Percent Moisture	22.0			wt%	1	12/2/2013 3:16:18 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1312008-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11403							
Client ID: Area-2-Base1-18	Batch ID: 6040		Analysis Date: 12/3/2013	SeqNo: 228089							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	24.5						0		30	
Surr: 2-Fluorobiphenyl	23.9		24.45		97.7	50	150		0		
Surr: o-Terphenyl	22.4		24.45		91.7	50	150		0		

Sample ID: LCS-6040	SampType: LCS	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11403							
Client ID: LCSS	Batch ID: 6040		Analysis Date: 12/3/2013	SeqNo: 228099							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	509	20.0	500.0	0	102	65	135				
Surr: 2-Fluorobiphenyl	21.0		20.00		105	50	150				
Surr: o-Terphenyl	19.3		20.00		96.3	50	150				

Sample ID: MB-6040	SampType: MBLK	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11403							
Client ID: MBLKS	Batch ID: 6040		Analysis Date: 12/3/2013	SeqNo: 228100							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0									
Surr: 2-Fluorobiphenyl	19.8		20.00		98.9	50	150				
Surr: o-Terphenyl	18.8		20.00		94.2	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-R11396	SampType: LCS	Units: mg/Kg	Prep Date: 12/3/2013	RunNo: 11396							
Client ID: LCSS	Batch ID: R11396		Analysis Date: 12/3/2013	SeqNo: 227978							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	31.7	5.00	25.00	0	127	65	135				
Surr: Toluene-d8	2.89		2.500		116	65	135				
Surr: 4-Bromofluorobenzene	3.08		2.500		123	65	135				

Sample ID: MB-R11396	SampType: MBLK	Units: mg/Kg	Prep Date: 12/3/2013	RunNo: 11396							
Client ID: MBLKS	Batch ID: R11396		Analysis Date: 12/3/2013	SeqNo: 227979							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	2.81		2.500		112	65	135				
Surr: 4-Bromofluorobenzene	3.04		2.500		122	65	135				

Sample ID: 1312008-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11396							
Client ID: Area-2-Base1-18	Batch ID: R11396		Analysis Date: 12/3/2013	SeqNo: 227980							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.12						0		30	
Surr: Toluene-d8	2.94		2.562		115	65	135		0		
Surr: 4-Bromofluorobenzene	3.16		2.562		123	65	135		0		

Sample ID: 1311339-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/3/2013	RunNo: 11399							
Client ID: BATCH	Batch ID: R11399		Analysis Date: 12/3/2013	SeqNo: 228015							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.62						0		30	
Surr: Toluene-d8	2.80		2.810		99.5	65	135		0		
Surr: 4-Bromofluorobenzene	2.70		2.810		96.2	65	135		0		

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 1311339-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/3/2013	RunNo: 11399							
Client ID: BATCH	Batch ID: R11399	Analysis Date: 12/3/2013	SeqNo: 228015								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: LCS-R11399	SampType: LCS	Units: mg/Kg	Prep Date: 12/3/2013	RunNo: 11399							
Client ID: LCSS	Batch ID: R11399	Analysis Date: 12/3/2013	SeqNo: 228023								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	24.4	5.00	25.00	0	97.4	65	135				
Surr: Toluene-d8	2.45		2.500		98.1	65	135				
Surr: 4-Bromofluorobenzene	2.42		2.500		96.9	65	135				

Sample ID: MB-R11399	SampType: MBLK	Units: mg/Kg	Prep Date: 12/3/2013	RunNo: 11399							
Client ID: MBLKS	Batch ID: R11399	Analysis Date: 12/3/2013	SeqNo: 228024								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	2.45		2.500		98.1	65	135				
Surr: 4-Bromofluorobenzene	2.51		2.500		101	65	135				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6038	SampType: LCS	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11395
Client ID: LCSS	Batch ID: 6038		Analysis Date: 12/3/2013	SeqNo: 227973

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.946	0.0600	1.000	0	94.6	37.7	136				
Vinyl chloride	1.05	0.00200	1.000	0	105	56.1	130				
Bromomethane	1.01	0.0900	1.000	0	101	41.3	148				
Trichlorofluoromethane (CFC-11)	0.977	0.0500	1.000	0	97.7	60.3	132				
Chloroethane	1.01	0.0600	1.000	0	101	37.1	144				
1,1-Dichloroethene	1.00	0.0500	1.000	0	100	49.7	142				
Methylene chloride	0.898	0.0200	1.000	0	89.8	57.6	135				
trans-1,2-Dichloroethene	1.01	0.0200	1.000	0	101	55	139				
Methyl tert-butyl ether (MTBE)	1.02	0.0500	1.000	0	102	59.1	138				
1,1-Dichloroethane	0.994	0.0200	1.000	0	99.4	65.5	132				
2,2-Dichloropropane	0.829	0.0500	1.000	0	82.9	28.1	149				
cis-1,2-Dichloroethene	0.983	0.0200	1.000	0	98.3	71.6	123				
Chloroform	0.983	0.0200	1.000	0	98.3	67.5	129				
1,1,1-Trichloroethane (TCA)	1.01	0.0200	1.000	0	101	69	132				
1,1-Dichloropropene	0.966	0.0200	1.000	0	96.6	72.7	131				
Carbon tetrachloride	0.988	0.0200	1.000	0	98.9	63.4	137				
1,2-Dichloroethane (EDC)	0.976	0.0300	1.000	0	97.6	68.7	133				
Benzene	0.989	0.0200	1.000	0	98.9	74.6	124				
Trichloroethene (TCE)	1.06	0.0200	1.000	0	106	67.4	133				
1,2-Dichloropropane	0.977	0.0200	1.000	0	97.7	72.7	133				
Bromodichloromethane	1.05	0.0200	1.000	0	105	76.1	136				
Dibromomethane	1.01	0.0400	1.000	0	101	70	130				
cis-1,3-Dichloropropene	1.00	0.0200	1.000	0	100	59.1	143				
Toluene	0.968	0.0200	1.000	0	96.8	83	121				
trans-1,3-Dichloropropylene	1.05	0.0300	1.000	0	105	49.2	149				
1,1,2-Trichloroethane	0.970	0.0300	1.000	0	97.0	74.5	129				
1,3-Dichloropropane	0.951	0.0500	1.000	0	95.1	70	130				
Tetrachloroethene (PCE)	0.959	0.0200	1.000	0	95.9	52.7	150				
Dibromochloromethane	1.05	0.0300	1.000	0	105	70.6	144				

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6038	SampType: LCS	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11395
Client ID: LCSS	Batch ID: 6038		Analysis Date: 12/3/2013	SeqNo: 227973

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane (EDB)	1.04	0.00500	1.000	0	104	70	130				
Chlorobenzene	1.09	0.0200	1.000	0	109	76.1	123				
1,1,1,2-Tetrachloroethane	1.03	0.0300	1.000	0	103	74.8	131				
Ethylbenzene	1.00	0.0300	1.000	0	100	74	129				
m,p-Xylene	2.01	0.0200	2.000	0	101	79.8	128				
o-Xylene	0.996	0.0200	1.000	0	99.6	72.7	124				
Styrene	1.08	0.0200	1.000	0	108	76.8	130				
Isopropylbenzene	0.990	0.0800	1.000	0	99.0	70	130				
Bromoform	1.09	0.0200	1.000	0	109	67	154				
1,1,2,2-Tetrachloroethane	0.916	0.0200	1.000	0	91.7	60	130				
n-Propylbenzene	1.01	0.0200	1.000	0	101	78	130				
Bromobenzene	1.09	0.0300	1.000	0	109	49.2	144				
1,3,5-Trimethylbenzene	0.978	0.0200	1.000	0	97.8	74.6	123				
2-Chlorotoluene	1.02	0.0200	1.000	0	102	76.7	129				
4-Chlorotoluene	1.08	0.0200	1.000	0	108	77.5	125				
tert-Butylbenzene	0.976	0.0200	1.000	0	97.6	66.2	130				
1,2,3-Trichloropropane	0.929	0.0200	1.000	0	92.9	67.9	136				
1,2,4-Trichlorobenzene	0.998	0.0500	1.000	0	99.8	65.6	137				
sec-Butylbenzene	0.970	0.0200	1.000	0	97.0	75.6	133				
4-Isopropyltoluene	0.984	0.0200	1.000	0	98.4	76.8	131				
1,3-Dichlorobenzene	1.08	0.0200	1.000	0	108	72.8	128				
1,4-Dichlorobenzene	1.12	0.0200	1.000	0	112	72.6	126				
n-Butylbenzene	0.960	0.0200	1.000	0	96.0	65.3	136				
1,2-Dichlorobenzene	1.04	0.0200	1.000	0	104	72.8	126				
1,2-Dibromo-3-chloropropane	1.01	0.0300	1.000	0	101	60.3	130				
1,2,4-Trimethylbenzene	0.992	0.0200	1.000	0	99.2	77.5	129				
Hexachlorobutadiene	0.976	0.100	1.000	0	97.6	42	151				
Naphthalene	0.936	0.0300	1.000	0	93.6	64	130				
1,2,3-Trichlorobenzene	0.978	0.0200	1.000	0	97.9	62.1	140				

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6038	SampType: LCS	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11395							
Client ID: LCSS	Batch ID: 6038		Analysis Date: 12/3/2013	SeqNo: 227973							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Dibromofluoromethane	2.57		2.500		103	63.7	129				
Surr: Toluene-d8	2.44		2.500		97.5	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.51		2.500		100	63.1	141				

Sample ID: MB-6038	SampType: MBLK	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11395							
Client ID: MBLKS	Batch ID: 6038		Analysis Date: 12/3/2013	SeqNo: 227974							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
Methyl tert-butyl ether (MTBE)	ND	0.0500									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
1,1,1-Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane (EDC)	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-6038	SampType: MBLK	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11395							
Client ID: MBLKS	Batch ID: 6038		Analysis Date: 12/3/2013	SeqNo: 227974							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-6038	SampType: MBLK	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11395							
Client ID: MBLKS	Batch ID: 6038		Analysis Date: 12/3/2013	SeqNo: 227974							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachlorobutadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: Dibromofluoromethane	2.53		2.500		101	63.7	129				
Surr: Toluene-d8	2.39		2.500		95.7	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.48		2.500		99.0	63.1	141				

Sample ID: 1312008-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11395							
Client ID: Area-2-Base1-18	Batch ID: 6038		Analysis Date: 12/3/2013	SeqNo: 227982							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0615						0		30	
Vinyl chloride	ND	0.00205						0		30	
Bromomethane	ND	0.0922						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0512						0		30	
Chloroethane	ND	0.0615						0		30	
1,1-Dichloroethene	ND	0.0512						0		30	
Methylene chloride	ND	0.0205						0		30	
trans-1,2-Dichloroethene	ND	0.0205						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0512						0		30	
1,1-Dichloroethane	ND	0.0205						0		30	
2,2-Dichloropropane	ND	0.0512						0		30	

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
D Dilution was required
J Analyte detected below quantitation limits
RL Reporting Limit
E Value above quantitation range
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1312008-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11395							
Client ID: Area-2-Base1-18	Batch ID: 6038		Analysis Date: 12/3/2013	SeqNo: 227982							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

cis-1,2-Dichloroethene	ND	0.0205						0		30	
Chloroform	ND	0.0205						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0205						0		30	
1,1-Dichloropropene	ND	0.0205						0		30	
Carbon tetrachloride	ND	0.0205						0		30	
1,2-Dichloroethane (EDC)	ND	0.0307						0		30	
Benzene	ND	0.0205						0		30	
Trichloroethene (TCE)	ND	0.0205						0		30	
1,2-Dichloropropane	ND	0.0205						0		30	
Bromodichloromethane	ND	0.0205						0		30	
Dibromomethane	ND	0.0410						0		30	
cis-1,3-Dichloropropene	ND	0.0205						0		30	
Toluene	ND	0.0205						0		30	
trans-1,3-Dichloropropylene	ND	0.0307						0		30	
1,1,2-Trichloroethane	ND	0.0307						0		30	
1,3-Dichloropropane	ND	0.0512						0		30	
Tetrachloroethene (PCE)	ND	0.0205						0		30	
Dibromochloromethane	ND	0.0307						0		30	
1,2-Dibromoethane (EDB)	ND	0.00512						0		30	
Chlorobenzene	ND	0.0205						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0307						0		30	
Ethylbenzene	ND	0.0307						0		30	
m,p-Xylene	ND	0.0205						0		30	
o-Xylene	ND	0.0205						0		30	
Styrene	ND	0.0205						0		30	
Isopropylbenzene	ND	0.0820						0		30	
Bromoform	ND	0.0205						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0205						0		30	
n-Propylbenzene	ND	0.0205						0		30	

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
R RPD outside accepted recovery limits RL Reporting Limit S Spike recovery outside accepted recovery limits

Work Order: 1312008
 CLIENT: PES Environmental, Inc.
 Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1312008-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11395							
Client ID: Area-2-Base1-18	Batch ID: 6038		Analysis Date: 12/3/2013	SeqNo: 227982							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	ND	0.0307						0		30	
1,3,5-Trimethylbenzene	ND	0.0205						0		30	
2-Chlorotoluene	ND	0.0205						0		30	
4-Chlorotoluene	ND	0.0205						0		30	
tert-Butylbenzene	ND	0.0205						0		30	
1,2,3-Trichloropropane	ND	0.0205						0		30	
1,2,4-Trichlorobenzene	ND	0.0512						0		30	
sec-Butylbenzene	ND	0.0205						0		30	
4-Isopropyltoluene	ND	0.0205						0		30	
1,3-Dichlorobenzene	ND	0.0205						0		30	
1,4-Dichlorobenzene	ND	0.0205						0		30	
n-Butylbenzene	ND	0.0205						0		30	
1,2-Dichlorobenzene	ND	0.0205						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0307						0		30	
1,2,4-Trimethylbenzene	ND	0.0205						0		30	
Hexachlorobutadiene	ND	0.102						0		30	
Naphthalene	ND	0.0307						0		30	
1,2,3-Trichlorobenzene	ND	0.0205						0		30	
Surr: Dibromofluoromethane	2.52		2.562		98.5	63.7	129		0		
Surr: Toluene-d8	2.50		2.562		97.5	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.57		2.562		100	63.1	141		0		

Sample ID: 1311339-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11400							
Client ID: BATCH	Batch ID: 6042		Analysis Date: 12/3/2013	SeqNo: 228026							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0674						0		30	
Chloromethane	ND	0.0674						0		30	

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 D Dilution was required
 J Analyte detected below quantitation limits
 RL Reporting Limit
 E Value above quantitation range
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311339-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11400							
Client ID: BATCH	Batch ID: 6042		Analysis Date: 12/3/2013	SeqNo: 228026							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.00225						0		30	
Bromomethane	ND	0.101						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0562						0		30	
Chloroethane	ND	0.0674						0		30	
1,1-Dichloroethene	ND	0.0562						0		30	
Methylene chloride	ND	0.0225						0		30	
trans-1,2-Dichloroethene	ND	0.0225						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0562						0		30	
1,1-Dichloroethane	ND	0.0225						0		30	
2,2-Dichloropropane	ND	0.0562						0		30	
cis-1,2-Dichloroethene	ND	0.0225						0		30	
Chloroform	ND	0.0225						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0225						0		30	
1,1-Dichloropropene	ND	0.0225						0		30	
Carbon tetrachloride	ND	0.0225						0		30	
1,2-Dichloroethane (EDC)	ND	0.0337						0		30	
Benzene	ND	0.0225						0		30	
Trichloroethene (TCE)	ND	0.0225						0		30	
1,2-Dichloropropane	ND	0.0225						0		30	
Bromodichloromethane	ND	0.0225						0		30	
Dibromomethane	ND	0.0450						0		30	
cis-1,3-Dichloropropene	ND	0.0225						0		30	
Toluene	ND	0.0225						0		30	
trans-1,3-Dichloropropylene	ND	0.0337						0		30	
1,1,2-Trichloroethane	ND	0.0337						0		30	
1,3-Dichloropropane	ND	0.0562						0		30	
Tetrachloroethene (PCE)	ND	0.0225						0		30	
Dibromochloromethane	ND	0.0337						0		30	
1,2-Dibromoethane (EDB)	ND	0.00562						0		30	

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311339-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11400							
Client ID: BATCH	Batch ID: 6042		Analysis Date: 12/3/2013	SeqNo: 228026							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chlorobenzene	ND	0.0225						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0337						0		30	
Ethylbenzene	ND	0.0337						0		30	
m,p-Xylene	ND	0.0225						0		30	
o-Xylene	ND	0.0225						0		30	
Styrene	ND	0.0225						0		30	
Isopropylbenzene	ND	0.0899						0		30	
Bromoform	ND	0.0225						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0225						0		30	
n-Propylbenzene	ND	0.0225						0		30	
Bromobenzene	ND	0.0337						0		30	
1,3,5-Trimethylbenzene	ND	0.0225						0		30	
2-Chlorotoluene	ND	0.0225						0		30	
4-Chlorotoluene	ND	0.0225						0		30	
tert-Butylbenzene	ND	0.0225						0		30	
1,2,3-Trichloropropane	ND	0.0225						0		30	
1,2,4-Trichlorobenzene	ND	0.0562						0		30	
sec-Butylbenzene	ND	0.0225						0		30	
4-Isopropyltoluene	ND	0.0225						0		30	
1,3-Dichlorobenzene	ND	0.0225						0		30	
1,4-Dichlorobenzene	ND	0.0225						0		30	
n-Butylbenzene	ND	0.0225						0		30	
1,2-Dichlorobenzene	ND	0.0225						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0337						0		30	
1,2,4-Trimethylbenzene	ND	0.0225						0		30	
Hexachlorobutadiene	ND	0.112						0		30	
Naphthalene	ND	0.0337						0		30	
1,2,3-Trichlorobenzene	ND	0.0225						0		30	
Surr: Dibromofluoromethane	3.27		2.810		116	63.7	129		0		

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311339-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11400							
Client ID: BATCH	Batch ID: 6042		Analysis Date: 12/3/2013	SeqNo: 228026							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	3.08		2.810		109	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.74		2.810		97.7	63.1	141		0		

Sample ID: 1311339-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11400							
Client ID: BATCH	Batch ID: 6042		Analysis Date: 12/3/2013	SeqNo: 228028							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	1.11	0.0585	0.9753	0	114	43.5	121				
Chloromethane	1.24	0.0585	0.9753	0	127	45	130				
Vinyl chloride	1.26	0.00195	0.9753	0	129	51.2	146				
Bromomethane	1.42	0.0878	0.9753	0	145	21.3	120				S
Trichlorofluoromethane (CFC-11)	1.21	0.0488	0.9753	0	124	35	131				
Chloroethane	1.66	0.0585	0.9753	0	170	43.8	117				S
1,1-Dichloroethene	1.25	0.0488	0.9753	0	128	61.9	141				
Methylene chloride	1.24	0.0195	0.9753	0	127	54.7	142				
trans-1,2-Dichloroethene	1.27	0.0195	0.9753	0	130	52	136				
Methyl tert-butyl ether (MTBE)	1.15	0.0488	0.9753	0	118	54.4	132				
1,1-Dichloroethane	1.25	0.0195	0.9753	0	128	51.8	141				
2,2-Dichloropropane	1.26	0.0488	0.9753	0	129	36	123				S
cis-1,2-Dichloroethene	1.28	0.0195	0.9753	0	132	58.6	136				
Chloroform	1.27	0.0195	0.9753	0	131	53.2	129				S
1,1,1-Trichloroethane (TCA)	1.31	0.0195	0.9753	0	134	58.3	145				
1,1-Dichloropropene	1.27	0.0195	0.9753	0	130	55.1	138				
Carbon tetrachloride	1.24	0.0195	0.9753	0	127	53.3	144				
1,2-Dichloroethane (EDC)	1.23	0.0293	0.9753	0	126	51.3	139				
Benzene	1.26	0.0195	0.9753	0	130	63.5	133				
Trichloroethene (TCE)	1.32	0.0195	0.9753	0	136	68.6	132				S
1,2-Dichloropropane	1.42	0.0195	0.9753	0	145	59	136				S

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
R RPD outside accepted recovery limits RL Reporting Limit S Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311339-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11400							
Client ID: BATCH	Batch ID: 6042		Analysis Date: 12/3/2013	SeqNo: 228028							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	1.23	0.0195	0.9753	0	126	50.7	141				
Dibromomethane	1.23	0.0390	0.9753	0	126	50.6	137				
cis-1,3-Dichloropropene	1.16	0.0195	0.9753	0	119	50.4	138				
Toluene	1.23	0.0195	0.9753	0	126	63.4	132				
trans-1,3-Dichloropropylene	1.18	0.0293	0.9753	0	121	44.1	147				
1,1,2-Trichloroethane	1.26	0.0293	0.9753	0	129	51.6	137				
1,3-Dichloropropane	1.13	0.0488	0.9753	0	116	53.1	134				
Tetrachloroethene (PCE)	1.24	0.0195	0.9753	0	127	35.6	158				
Dibromochloromethane	1.24	0.0293	0.9753	0	127	55.3	140				
1,2-Dibromoethane (EDB)	1.18	0.00488	0.9753	0	121	50.4	136				
Chlorobenzene	1.03	0.0195	0.9753	0	105	60	133				
1,1,1,2-Tetrachloroethane	1.02	0.0293	0.9753	0	104	53.1	142				
Ethylbenzene	1.05	0.0293	0.9753	0	108	54.5	134				
m,p-Xylene	2.09	0.0195	1.951	0	107	53.1	132				
o-Xylene	1.03	0.0195	0.9753	0	106	53.3	139				
Styrene	1.03	0.0195	0.9753	0	106	51.1	132				
Isopropylbenzene	1.05	0.0780	0.9753	0	108	58.9	138				
Bromoform	0.962	0.0195	0.9753	0	98.7	57.9	130				
1,1,2,2-Tetrachloroethane	0.949	0.0195	0.9753	0	97.3	51.9	131				
n-Propylbenzene	1.05	0.0195	0.9753	0	108	53.6	140				
Bromobenzene	1.02	0.0293	0.9753	0	105	54.2	140				
1,3,5-Trimethylbenzene	1.04	0.0195	0.9753	0	107	51.8	136				
2-Chlorotoluene	1.01	0.0195	0.9753	0	104	51.6	136				
4-Chlorotoluene	1.03	0.0195	0.9753	0	105	50.1	139				
tert-Butylbenzene	1.05	0.0195	0.9753	0	108	50.5	135				
1,2,3-Trichloropropane	1.02	0.0195	0.9753	0	105	50.5	131				
1,2,4-Trichlorobenzene	1.10	0.0488	0.9753	0	113	50.8	130				
sec-Butylbenzene	1.05	0.0195	0.9753	0	108	52.6	141				
4-Isopropyltoluene	1.02	0.0195	0.9753	0	105	52.9	134				

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1311339-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11400
Client ID: BATCH	Batch ID: 6042		Analysis Date: 12/3/2013	SeqNo: 228028

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	1.16	0.0195	0.9753	0	119	52.6	131				
1,4-Dichlorobenzene	1.16	0.0195	0.9753	0	119	52.9	129				
n-Butylbenzene	1.14	0.0195	0.9753	0	117	52.6	130				
1,2-Dichlorobenzene	1.15	0.0195	0.9753	0	118	55.8	129				
1,2-Dibromo-3-chloropropane	1.05	0.0293	0.9753	0	108	40.5	131				
1,2,4-Trimethylbenzene	1.02	0.0195	0.9753	0	105	50.6	137				
Hexachlorobutadiene	1.17	0.0975	0.9753	0	120	40.6	158				
Naphthalene	1.06	0.0293	0.9753	0	109	52.3	124				
1,2,3-Trichlorobenzene	1.11	0.0195	0.9753	0	113	54.4	124				
Surr: Dibromofluoromethane	2.61		2.438		107	63.7	129				
Surr: Toluene-d8	2.54		2.438		104	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.12		2.438		86.8	63.1	141				

NOTES:

S - Outlying QC recoveries were observed. The method is in control as indicated by the LCS.

Sample ID: LCS-6042	SampType: LCS	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11400
Client ID: LCSS	Batch ID: 6042		Analysis Date: 12/3/2013	SeqNo: 228032

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.11	0.0600	1.000	0	111	37.7	136				
Chloromethane	1.15	0.0600	1.000	0	115	38.8	132				
Vinyl chloride	1.16	0.00200	1.000	0	116	56.1	130				
Bromomethane	1.32	0.0900	1.000	0	132	41.3	148				
Trichlorofluoromethane (CFC-11)	1.10	0.0500	1.000	0	110	60.3	132				
Chloroethane	1.47	0.0600	1.000	0	147	37.1	144				S
1,1-Dichloroethene	1.13	0.0500	1.000	0	113	49.7	142				
Methylene chloride	1.16	0.0200	1.000	0	116	57.6	135				
trans-1,2-Dichloroethene	1.16	0.0200	1.000	0	116	55	139				
Methyl tert-butyl ether (MTBE)	1.07	0.0500	1.000	0	107	59.1	138				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6042	SampType: LCS	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11400
Client ID: LCSS	Batch ID: 6042		Analysis Date: 12/3/2013	SeqNo: 228032

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	1.14	0.0200	1.000	0	114	65.5	132				
2,2-Dichloropropane	1.07	0.0500	1.000	0	107	28.1	149				
cis-1,2-Dichloroethene	1.15	0.0200	1.000	0	115	71.6	123				
Chloroform	1.16	0.0200	1.000	0	116	67.5	129				
1,1,1-Trichloroethane (TCA)	1.16	0.0200	1.000	0	116	69	132				
1,1-Dichloropropene	1.14	0.0200	1.000	0	114	72.7	131				
Carbon tetrachloride	1.14	0.0200	1.000	0	114	63.4	137				
1,2-Dichloroethane (EDC)	1.17	0.0300	1.000	0	117	68.7	133				
Benzene	1.15	0.0200	1.000	0	115	74.6	124				
Trichloroethene (TCE)	1.18	0.0200	1.000	0	118	67.4	133				
1,2-Dichloropropane	1.17	0.0200	1.000	0	117	72.7	133				
Bromodichloromethane	1.12	0.0200	1.000	0	112	76.1	136				
Dibromomethane	1.11	0.0400	1.000	0	111	70	130				
cis-1,3-Dichloropropene	1.08	0.0200	1.000	0	108	59.1	143				
Toluene	1.10	0.0200	1.000	0	110	83	121				
trans-1,3-Dichloropropylene	1.07	0.0300	1.000	0	107	49.2	149				
1,1,2-Trichloroethane	1.12	0.0300	1.000	0	112	74.5	129				
1,3-Dichloropropane	1.12	0.0500	1.000	0	112	70	130				
Tetrachloroethene (PCE)	1.18	0.0200	1.000	0	118	52.7	150				
Dibromochloromethane	1.10	0.0300	1.000	0	110	70.6	144				
1,2-Dibromoethane (EDB)	1.09	0.00500	1.000	0	109	70	130				
Chlorobenzene	1.10	0.0200	1.000	0	110	76.1	123				
1,1,1,2-Tetrachloroethane	1.05	0.0300	1.000	0	105	74.8	131				
Ethylbenzene	1.10	0.0300	1.000	0	110	74	129				
m,p-Xylene	2.27	0.0200	2.000	0	113	79.8	128				
o-Xylene	1.11	0.0200	1.000	0	111	72.7	124				
Styrene	1.08	0.0200	1.000	0	108	76.8	130				
Isopropylbenzene	1.11	0.0800	1.000	0	111	70	130				
Bromoform	1.01	0.0200	1.000	0	101	67	154				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6042	SampType: LCS	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11400
Client ID: LCSS	Batch ID: 6042		Analysis Date: 12/3/2013	SeqNo: 228032

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	1.01	0.0200	1.000	0	101	60	130				
n-Propylbenzene	1.10	0.0200	1.000	0	110	78	130				
Bromobenzene	1.10	0.0300	1.000	0	110	49.2	144				
1,3,5-Trimethylbenzene	1.11	0.0200	1.000	0	111	74.6	123				
2-Chlorotoluene	1.08	0.0200	1.000	0	108	76.7	129				
4-Chlorotoluene	1.07	0.0200	1.000	0	107	77.5	125				
tert-Butylbenzene	1.10	0.0200	1.000	0	110	66.2	130				
1,2,3-Trichloropropane	1.15	0.0200	1.000	0	115	67.9	136				
1,2,4-Trichlorobenzene	1.07	0.0500	1.000	0	107	65.6	137				
sec-Butylbenzene	1.09	0.0200	1.000	0	109	75.6	133				
4-Isopropyltoluene	1.09	0.0200	1.000	0	109	76.8	131				
1,3-Dichlorobenzene	1.10	0.0200	1.000	0	110	72.8	128				
1,4-Dichlorobenzene	1.08	0.0200	1.000	0	108	72.6	126				
n-Butylbenzene	1.08	0.0200	1.000	0	108	65.3	136				
1,2-Dichlorobenzene	1.09	0.0200	1.000	0	109	72.8	126				
1,2-Dibromo-3-chloropropane	1.01	0.0300	1.000	0	101	60.3	130				
1,2,4-Trimethylbenzene	1.08	0.0200	1.000	0	108	77.5	129				
Hexachlorobutadiene	1.10	0.100	1.000	0	110	42	151				
Naphthalene	1.02	0.0300	1.000	0	102	64	130				
1,2,3-Trichlorobenzene	1.05	0.0200	1.000	0	105	62.1	140				
Surr: Dibromofluoromethane	2.66		2.500		106	63.7	129				
Surr: Toluene-d8	2.56		2.500		102	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.51		2.500		100	63.1	141				

NOTES:

S - Outlying spike recovery for Chloroethane was observed (high bias). There were no detections in the following samples.

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-6042	SampType: MBLK	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11400							
Client ID: MBLKS	Batch ID: 6042		Analysis Date: 12/3/2013	SeqNo: 228033							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
Methyl tert-butyl ether (MTBE)	ND	0.0500									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
1,1,1-Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane (EDC)	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-6042	SampType: MBLK	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11400							
Client ID: MBLKS	Batch ID: 6042		Analysis Date: 12/3/2013	SeqNo: 228033							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachlorobutadiene	ND	0.100									
Naphthalene	ND	0.0300									

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits	D Dilution was required J Analyte detected below quantitation limits RL Reporting Limit	E Value above quantitation range ND Not detected at the Reporting Limit S Spike recovery outside accepted recovery limits
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Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-6042	SampType: MBLK	Units: mg/Kg	Prep Date: 12/2/2013	RunNo: 11400							
Client ID: MBLKS	Batch ID: 6042		Analysis Date: 12/3/2013	SeqNo: 228033							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	ND	0.0200									
Surr: Dibromofluoromethane	2.79		2.500		111	63.7	129				
Surr: Toluene-d8	2.60		2.500		104	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.55		2.500		102	63.1	141				

Sample ID: 1312008-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11395							
Client ID: Area-2-Base2-18	Batch ID: 6038		Analysis Date: 12/3/2013	SeqNo: 228111							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.994	0.0581	0.9683	0	103	43.5	121				
Vinyl chloride	1.13	0.00194	0.9683	0	117	51.2	146				
Bromomethane	0.988	0.0871	0.9683	0	102	21.3	120				
Trichlorofluoromethane (CFC-11)	1.06	0.0484	0.9683	0	110	35	131				
Chloroethane	1.01	0.0581	0.9683	0	104	43.8	117				
1,1-Dichloroethene	1.07	0.0484	0.9683	0	110	61.9	141				
Methylene chloride	0.958	0.0194	0.9683	0	98.9	54.7	142				
trans-1,2-Dichloroethene	1.10	0.0194	0.9683	0	114	52	136				
Methyl tert-butyl ether (MTBE)	1.11	0.0484	0.9683	0	115	54.4	132				
1,1-Dichloroethane	1.05	0.0194	0.9683	0	109	51.8	141				
2,2-Dichloropropane	0.778	0.0484	0.9683	0	80.4	36	123				
cis-1,2-Dichloroethene	1.06	0.0194	0.9683	0	110	58.6	136				
Chloroform	1.05	0.0194	0.9683	0	108	53.2	129				
1,1,1-Trichloroethane (TCA)	1.08	0.0194	0.9683	0	112	58.3	145				
1,1-Dichloropropene	1.10	0.0194	0.9683	0	113	55.1	138				
Carbon tetrachloride	1.05	0.0194	0.9683	0	109	53.3	144				
1,2-Dichloroethane (EDC)	1.08	0.0290	0.9683	0	111	51.3	139				
Benzene	1.04	0.0194	0.9683	0	107	63.5	133				
Trichloroethene (TCE)	1.24	0.0194	0.9683	0	128	68.6	132				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Work Order: 1312008
CLIENT: PES Environmental, Inc.
Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1312008-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11395
Client ID: Area-2-Base2-18	Batch ID: 6038		Analysis Date: 12/3/2013	SeqNo: 228111

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	1.04	0.0194	0.9683	0	108	59	136				
Bromodichloromethane	1.09	0.0194	0.9683	0	112	50.7	141				
Dibromomethane	1.10	0.0387	0.9683	0	114	50.6	137				
cis-1,3-Dichloropropene	1.03	0.0194	0.9683	0	107	50.4	138				
Toluene	1.06	0.0194	0.9683	0	110	63.4	132				
trans-1,3-Dichloropropylene	1.07	0.0290	0.9683	0	111	44.1	147				
1,1,2-Trichloroethane	1.07	0.0290	0.9683	0	110	51.6	137				
1,3-Dichloropropane	1.07	0.0484	0.9683	0	110	53.1	134				
Tetrachloroethene (PCE)	1.06	0.0194	0.9683	0	110	35.6	158				
Dibromochloromethane	1.13	0.0290	0.9683	0	117	55.3	140				
1,2-Dibromoethane (EDB)	1.14	0.00484	0.9683	0	118	50.4	136				
Chlorobenzene	1.14	0.0194	0.9683	0	118	60	133				
1,1,1,2-Tetrachloroethane	1.06	0.0290	0.9683	0	110	53.1	142				
Ethylbenzene	1.08	0.0290	0.9683	0.005326	111	54.5	134				
m,p-Xylene	2.16	0.0194	1.937	0.01598	111	53.1	132				
o-Xylene	1.05	0.0194	0.9683	0	108	53.3	139				
Styrene	1.16	0.0194	0.9683	0	119	51.1	132				
Isopropylbenzene	1.05	0.0775	0.9683	0	109	58.9	138				
Bromoform	1.17	0.0194	0.9683	0	121	57.9	130				
1,1,2,2-Tetrachloroethane	0.958	0.0194	0.9683	0	99.0	51.9	131				
n-Propylbenzene	1.09	0.0194	0.9683	0.004841	112	53.6	140				
Bromobenzene	1.17	0.0290	0.9683	0	120	54.2	140				
1,3,5-Trimethylbenzene	1.04	0.0194	0.9683	0	108	51.8	136				
2-Chlorotoluene	1.07	0.0194	0.9683	0	111	51.6	136				
4-Chlorotoluene	1.14	0.0194	0.9683	0.005810	118	50.1	139				
tert-Butylbenzene	1.05	0.0194	0.9683	0	109	50.5	135				
1,2,3-Trichloropropane	1.09	0.0194	0.9683	0	113	50.5	131				
1,2,4-Trichlorobenzene	1.04	0.0484	0.9683	0.006778	106	50.8	130				
sec-Butylbenzene	1.05	0.0194	0.9683	0	109	52.6	141				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312008
 CLIENT: PES Environmental, Inc.
 Project: Google Phase II

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1312008-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/2/2013	RunNo: 11395							
Client ID: Area-2-Base2-18	Batch ID: 6038		Analysis Date: 12/3/2013	SeqNo: 228111							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

4-Isopropyltoluene	1.05	0.0194	0.9683	0	109	52.9	134				
1,3-Dichlorobenzene	1.12	0.0194	0.9683	0.006294	115	52.6	131				
1,4-Dichlorobenzene	1.17	0.0194	0.9683	0	121	52.9	129				
n-Butylbenzene	1.03	0.0194	0.9683	0.005810	106	52.6	130				
1,2-Dichlorobenzene	1.07	0.0194	0.9683	0	111	55.8	129				
1,2-Dibromo-3-chloropropane	1.13	0.0290	0.9683	0	117	40.5	131				
1,2,4-Trimethylbenzene	1.06	0.0194	0.9683	0.008715	108	50.6	137				
Hexachlorobutadiene	1.06	0.0968	0.9683	0	109	40.6	158				
Naphthalene	1.05	0.0290	0.9683	0	108	52.3	124				
1,2,3-Trichlorobenzene	1.04	0.0194	0.9683	0.005326	107	54.4	124				
Surr: Dibromofluoromethane	2.47		2.421		102	63.7	129				
Surr: Toluene-d8	2.40		2.421		99.0	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.44		2.421		101	63.1	141				

Sample ID: ICV-6068	SampType: ICV	Units: mg/Kg	Prep Date: 12/5/2013	RunNo: 11456							
Client ID: ICV	Batch ID: 6068		Analysis Date: 12/5/2013	SeqNo: 229209							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloromethane	14.5	0.0600	20.00	0	72.5	70	130				
Surr: Dibromofluoromethane	49.5		50.00		99.0	63.7	129				
Surr: Toluene-d8	49.4		50.00		98.9	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	50.8		50.00		102	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **PES**
 Logged by: **Chelsea Ward**

Work Order Number: **1312008**
 Date Received: **12/2/2013 2:10:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 5. Custody seals intact on shipping container/cooler? Yes No Not Required
 6. Was an attempt made to cool the samples? Yes No NA
 7. Were all coolers received at a temperature of >0°C to 10.0°C? Yes No NA
 8. Sample(s) in proper container(s)? Yes No
 9. Sufficient sample volume for indicated test(s)? Yes No
 10. Are samples properly preserved? Yes No
 11. Was preservative added to bottles? Yes No NA
 12. Is the headspace in the VOA vials? Yes No NA
 13. Did all samples containers arrive in good condition(unbroken)? Yes No
 14. Does paperwork match bottle labels? Yes No
 15. Are matrices correctly identified on Chain of Custody? Yes No
 16. Is it clear what analyses were requested? Yes No
 17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C	Condition
Cooler	7.0	Good
Sample	7.7	Good



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103

Tel: 206-352-3790
Fax: 206-352-7178

Client:

Address:

City, State, Zip

Reports To (PM):

Fax:

Project Name:

1254th Ave Ste. 350
Seattle, WA 98161

Tel:

Project No:

Date:

Project Name:

Location:

Collected by:

Email:

Project No:

Laboratory Project No (Internal):

Page:

of:

1312008

2

2

Geologic Phase II
P&H Study with
Korsta Spiveystead

Project No: 1006-008.03

K.franklin@pge.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GC/BTEX by EPA 8021B	Gasoline Range Organics	Diethyl/Hexane Range Organics (HCP)	SEM Vol (EPA 8270)	PAH (EPA 8270 - SIM)	PCW (EPA 8082)	CI Residues (EPA 8081)	CI Residues (EPA 821A)	Metals* (6020 / 200.8)	Tail (T) Dissolved (T)	Anions (IC)**	Comments/Depth
1 Area-2-SESW1-15	12-2-13	1245	Soil	X	X	X	X	X	X	X	X	X	X	X	X	Silica Col Cleanup ↓
2 Area-7-19SW2-6	12-2-13	1300	Soil	X	X	X	X	X	X	X	X	X	X	X	X	
3																
4																
5																
6																
7																
8																
9																
10																

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TNL Individual: Ag Al AS B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide Fluoride C-Phosphate Nitrate+Nitrite

Sample Disposal: Return to Client Disposal by Lab (A fee may be assessed if samples are returned after 30 days.)

Relinquished: Date/Time: 12-2-13/1410

Received: Date/Time: 12/10/12

Relinquished: Date/Time: 12/2/13

TAT -> Next Day 2 Day 3 Day STD



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Kelly Rankich
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Former Pace National Property
Lab ID: 1312139

December 23, 2013

Attention Kelly Rankich:

Fremont Analytical, Inc. received 4 sample(s) on 12/16/2013 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal



Date: 12/23/2013

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property
Lab Order: 1312139

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1312139-001	Area 9-WSW1-132	12/16/2013 10:30 AM	12/16/2013 3:15 PM
1312139-002	Area 9-WSW2-134	12/16/2013 11:15 AM	12/16/2013 3:15 PM
1312139-003	Area 9-WSW3-134	12/16/2013 1:30 PM	12/16/2013 3:15 PM
1312139-004	Trip Blank	12/02/2013 2:07 PM	12/16/2013 3:15 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312139-001A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312139-002A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312139-003A) required Silica Gel Cleanup Procedure (Using Method No 3630C).



Analytical Report

WO#: 1312139

Date Reported: 12/23/2013

Client: PES Environmental, Inc.

Collection Date: 12/16/2013 10:30:00 AM

Project: Former Pace National Property

Lab ID: 1312139-001

Matrix: Soil

Client Sample ID: Area 9-WSW1-132

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6163

Analyst: BR

Diesel (Fuel Oil)	ND	24.4		mg/Kg-dry	1	12/18/2013 5:52:00 PM
Heavy Oil	ND	60.9		mg/Kg-dry	1	12/18/2013 5:52:00 PM
Surr: 2-Fluorobiphenyl	108	50-150		%REC	1	12/18/2013 5:52:00 PM
Surr: o-Terphenyl	101	50-150		%REC	1	12/18/2013 5:52:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6159

Analyst: GH

Vinyl chloride	ND	0.00211		mg/Kg-dry	1	12/18/2013 4:16:00 AM
Toluene	ND	0.0211		mg/Kg-dry	1	12/18/2013 4:16:00 AM
Naphthalene	ND	0.0316		mg/Kg-dry	1	12/18/2013 4:16:00 AM
Surr: Dibromofluoromethane	90.4	63.7-129		%REC	1	12/18/2013 4:16:00 AM
Surr: Toluene-d8	99.5	61.4-128		%REC	1	12/18/2013 4:16:00 AM
Surr: 1-Bromo-4-fluorobenzene	94.4	63.1-141		%REC	1	12/18/2013 4:16:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11604

Analyst: KZ

Percent Moisture	17.9			wt%	1	12/17/2013 8:52:37 AM
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Qualifiers:	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
	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	R	RPD outside accepted recovery limits
	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312139

Date Reported: 12/23/2013

Client: PES Environmental, Inc.

Collection Date: 12/16/2013 11:15:00 AM

Project: Former Pace National Property

Lab ID: 1312139-002

Matrix: Soil

Client Sample ID: Area 9-WSW2-134

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6163

Analyst: BR

Diesel (Fuel Oil)	ND	24.7		mg/Kg-dry	1	12/18/2013 6:24:00 PM
Heavy Oil	ND	61.7		mg/Kg-dry	1	12/18/2013 6:24:00 PM
Surr: 2-Fluorobiphenyl	113	50-150		%REC	1	12/18/2013 6:24:00 PM
Surr: o-Terphenyl	105	50-150		%REC	1	12/18/2013 6:24:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6159

Analyst: GH

Vinyl chloride	ND	0.00230		mg/Kg-dry	1	12/18/2013 6:02:00 AM
Toluene	ND	0.0230		mg/Kg-dry	1	12/18/2013 6:02:00 AM
Naphthalene	ND	0.0345		mg/Kg-dry	1	12/18/2013 6:02:00 AM
Surr: Dibromofluoromethane	91.4	63.7-129		%REC	1	12/18/2013 6:02:00 AM
Surr: Toluene-d8	101	61.4-128		%REC	1	12/18/2013 6:02:00 AM
Surr: 1-Bromo-4-fluorobenzene	93.4	63.1-141		%REC	1	12/18/2013 6:02:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11604

Analyst: KZ

Percent Moisture	19.0			wt%	1	12/17/2013 8:52:37 AM
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Qualifiers:	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
	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	R	RPD outside accepted recovery limits
	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312139

Date Reported: 12/23/2013

Client: PES Environmental, Inc.

Collection Date: 12/16/2013 1:30:00 PM

Project: Former Pace National Property

Lab ID: 1312139-003

Matrix: Soil

Client Sample ID: Area 9-WSW3-134

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6163

Analyst: BR

Diesel (Fuel Oil)	ND	23.5		mg/Kg-dry	1	12/18/2013 6:56:00 PM
Heavy Oil	ND	58.9		mg/Kg-dry	1	12/18/2013 6:56:00 PM
Surr: 2-Fluorobiphenyl	103	50-150		%REC	1	12/18/2013 6:56:00 PM
Surr: o-Terphenyl	96.8	50-150		%REC	1	12/18/2013 6:56:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6159

Analyst: GH

Vinyl chloride	ND	0.00207		mg/Kg-dry	1	12/18/2013 6:28:00 AM
Toluene	ND	0.0207		mg/Kg-dry	1	12/18/2013 6:28:00 AM
Naphthalene	ND	0.0311		mg/Kg-dry	1	12/18/2013 6:28:00 AM
Surr: Dibromofluoromethane	89.8	63.7-129		%REC	1	12/18/2013 6:28:00 AM
Surr: Toluene-d8	99.7	61.4-128		%REC	1	12/18/2013 6:28:00 AM
Surr: 1-Bromo-4-fluorobenzene	94.3	63.1-141		%REC	1	12/18/2013 6:28:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11604

Analyst: KZ

Percent Moisture	15.1			wt%	1	12/17/2013 8:52:37 AM
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Qualifiers:	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
	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	R	RPD outside accepted recovery limits
	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 12/2/2013 2:07:00 PM

Project: Former Pace National Property

Lab ID: 1312139-004

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6159

Analyst: GH

Vinyl chloride	ND	0.00200	H	mg/Kg	1	12/18/2013 1:11:00 AM
Toluene	ND	0.0200	H	mg/Kg	1	12/18/2013 1:11:00 AM
Naphthalene	ND	0.0300	H	mg/Kg	1	12/18/2013 1:11:00 AM
Surr: Dibromofluoromethane	95.3	63.7-129	H	%REC	1	12/18/2013 1:11:00 AM
Surr: Toluene-d8	98.9	61.4-128	H	%REC	1	12/18/2013 1:11:00 AM
Surr: 1-Bromo-4-fluorobenzene	97.2	63.1-141	H	%REC	1	12/18/2013 1:11:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.
	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	R	RPD outside accepted recovery limits
	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312139
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1312150-001ADUP	SampType: DUP	Units: mg/Kg	Prep Date: 12/18/2013	RunNo: 11666							
Client ID: BATCH	Batch ID: 6163		Analysis Date: 12/18/2013	SeqNo: 233522							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0						0		30	
Heavy Oil	ND	50.0						0		30	
Surr: 2-Fluorobiphenyl	22.5		20.00		112	50	150		0		
Surr: o-Terphenyl	21.0		20.00		105	50	150		0		

Sample ID: LCS-6163	SampType: LCS	Units: mg/Kg	Prep Date: 12/18/2013	RunNo: 11666							
Client ID: LCSS	Batch ID: 6163		Analysis Date: 12/18/2013	SeqNo: 233528							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	549	20.0	500.0	0	110	65	135				
Surr: 2-Fluorobiphenyl	21.3		20.00		106	50	150				
Surr: o-Terphenyl	19.5		20.00		97.7	50	150				

Sample ID: MB-6163	SampType: MBLK	Units: mg/Kg	Prep Date: 12/18/2013	RunNo: 11666							
Client ID: MBLKS	Batch ID: 6163		Analysis Date: 12/18/2013	SeqNo: 233529							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	21.0		20.00		105	50	150				
Surr: o-Terphenyl	19.7		20.00		98.5	50	150				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.	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	R	RPD outside accepted recovery limits	RL	Reporting Limit

Work Order: 1312139
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1312135-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/17/2013	RunNo: 11623							
Client ID: BATCH	Batch ID: 6159		Analysis Date: 12/18/2013	SeqNo: 232718							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00212						0		30	
Toluene	ND	0.0212						0		30	
Naphthalene	ND	0.0318						0		30	
Surr: Dibromofluoromethane	2.43		2.651		91.5	63.7	129		0		
Surr: Toluene-d8	2.68		2.651		101	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.76		2.651		104	63.1	141		0		

Sample ID: 1312139-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/17/2013	RunNo: 11623							
Client ID: Area 9-WSW1-132	Batch ID: 6159		Analysis Date: 12/18/2013	SeqNo: 232721							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.21	0.00211	1.055	0	115	51.2	146				
Toluene	1.14	0.0211	1.055	0	108	63.4	132				
Naphthalene	1.26	0.0316	1.055	0	119	52.3	124				
Surr: Dibromofluoromethane	2.55		2.637		96.5	63.7	129				
Surr: Toluene-d8	2.65		2.637		100	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.52		2.637		95.4	63.1	141				

Sample ID: LCS-6159	SampType: LCS	Units: mg/Kg	Prep Date: 12/17/2013	RunNo: 11623							
Client ID: LCSS	Batch ID: 6159		Analysis Date: 12/17/2013	SeqNo: 232731							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.984	0.00200	1.000	0	98.4	56.1	130				
Toluene	1.00	0.0200	1.000	0	100	83	121				
Naphthalene	1.03	0.0300	1.000	0	103	64	130				
Surr: Dibromofluoromethane	2.55		2.500		102	63.7	129				
Surr: Toluene-d8	2.58		2.500		103	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.53		2.500		101	63.1	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.	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	R	RPD outside accepted recovery limits	RL	Reporting Limit



Date: 12/23/2013

Work Order: 1312139
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6159	SampType: LCS	Units: mg/Kg	Prep Date: 12/17/2013	RunNo: 11623							
Client ID: LCSS	Batch ID: 6159	Analysis Date: 12/17/2013	SeqNo: 232731								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: MB-6159	SampType: MBLK	Units: mg/Kg	Prep Date: 12/17/2013	RunNo: 11623							
Client ID: MBLKS	Batch ID: 6159	Analysis Date: 12/17/2013	SeqNo: 232732								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.00200									
Toluene	ND	0.0200									
Naphthalene	ND	0.0300									
Surr: Dibromofluoromethane	2.41		2.500		96.3	63.7	129				
Surr: Toluene-d8	2.50		2.500		100	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.44		2.500		97.5	63.1	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Value is below Minimum Compound Limit.	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	R	RPD outside accepted recovery limits	RL	Reporting Limit

Client Name: PES	Work Order Number: 1312139
Logged by: Chelsea Ward	Date Received: 12/16/2013 3:15:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody seals intact on shipping container/cooler? Yes No Not Required
6. Was an attempt made to cool the samples? Yes No NA
7. Were all coolers received at a temperature of >0°C to 10.0°C Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is the headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C	Condition
Cooler	8.8	Good
Sample	9.5	Good



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Kelly Rankich
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Former Pace National Property
Lab ID: 1312150

December 23, 2013

Attention Kelly Rankich:

Fremont Analytical, Inc. received 2 sample(s) on 12/17/2013 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal



Date: 12/23/2013

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property
Lab Order: 1312150

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1312150-001	Area 9-WSW4-140	12/17/2013 9:45 AM	12/17/2013 2:45 PM
1312150-002	Trip Blank	12/12/2013 2:45 PM	12/17/2013 2:45 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1312150-001A) required Silica Gel Cleanup Procedure (Using Method No 3630C).



Analytical Report

WO#: 1312150

Date Reported: 12/23/2013

Client: PES Environmental, Inc.

Collection Date: 12/17/2013 9:45:00 AM

Project: Former Pace National Property

Lab ID: 1312150-001

Matrix: Soil

Client Sample ID: Area 9-WSW4-140

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6163

Analyst: BR

Diesel (Fuel Oil)	ND	25.5		mg/Kg-dry	1	12/18/2013 7:28:00 PM
Heavy Oil	ND	63.7		mg/Kg-dry	1	12/18/2013 7:28:00 PM
Surr: 2-Fluorobiphenyl	113	50-150		%REC	1	12/18/2013 7:28:00 PM
Surr: o-Terphenyl	107	50-150		%REC	1	12/18/2013 7:28:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6159

Analyst: GH

Vinyl chloride	ND	0.00254		mg/Kg-dry	1	12/18/2013 6:55:00 AM
Toluene	ND	0.0254		mg/Kg-dry	1	12/18/2013 6:55:00 AM
Naphthalene	ND	0.0381		mg/Kg-dry	1	12/18/2013 6:55:00 AM
Surr: Dibromofluoromethane	90.1	63.7-129		%REC	1	12/18/2013 6:55:00 AM
Surr: Toluene-d8	99.5	61.4-128		%REC	1	12/18/2013 6:55:00 AM
Surr: 1-Bromo-4-fluorobenzene	93.4	63.1-141		%REC	1	12/18/2013 6:55:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11625

Analyst: KZ

Percent Moisture	21.5			wt%	1	12/18/2013 8:44:42 AM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 12/12/2013 2:45:00 PM

Project: Former Pace National Property

Lab ID: 1312150-002

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6159

Analyst: GH

Vinyl chloride	ND	0.00200		mg/Kg	1	12/18/2013 1:37:00 AM
Toluene	ND	0.0200		mg/Kg	1	12/18/2013 1:37:00 AM
Naphthalene	ND	0.0300		mg/Kg	1	12/18/2013 1:37:00 AM
Surr: Dibromofluoromethane	95.5	63.7-129		%REC	1	12/18/2013 1:37:00 AM
Surr: Toluene-d8	99.2	61.4-128		%REC	1	12/18/2013 1:37:00 AM
Surr: 1-Bromo-4-fluorobenzene	97.6	63.1-141		%REC	1	12/18/2013 1:37:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1312150
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1312150-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/18/2013	RunNo: 11666							
Client ID: Area 9-WSW4-140	Batch ID: 6163		Analysis Date: 12/18/2013	SeqNo: 233522							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	25.5						0		30	
Heavy Oil	ND	63.7						0		30	
Surr: 2-Fluorobiphenyl	28.6		25.49		112	50	150		0		
Surr: o-Terphenyl	26.7		25.49		105	50	150		0		

Sample ID: LCS-6163	SampType: LCS	Units: mg/Kg	Prep Date: 12/18/2013	RunNo: 11666							
Client ID: LCSS	Batch ID: 6163		Analysis Date: 12/18/2013	SeqNo: 233528							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	549	20.0	500.0	0	110	65	135				
Surr: 2-Fluorobiphenyl	21.3		20.00		106	50	150				
Surr: o-Terphenyl	19.5		20.00		97.7	50	150				

Sample ID: MB-6163	SampType: MBLK	Units: mg/Kg	Prep Date: 12/18/2013	RunNo: 11666							
Client ID: MBLKS	Batch ID: 6163		Analysis Date: 12/18/2013	SeqNo: 233529							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	21.0		20.00		105	50	150				
Surr: o-Terphenyl	19.7		20.00		98.5	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312150
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1312135-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/17/2013	RunNo: 11623							
Client ID: BATCH	Batch ID: 6159		Analysis Date: 12/18/2013	SeqNo: 232718							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00212						0		30	
Toluene	ND	0.0212						0		30	
Naphthalene	ND	0.0318						0		30	
Surr: Dibromofluoromethane	2.43		2.651		91.5	63.7	129		0		
Surr: Toluene-d8	2.68		2.651		101	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.76		2.651		104	63.1	141		0		

Sample ID: 1312139-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/17/2013	RunNo: 11623							
Client ID: BATCH	Batch ID: 6159		Analysis Date: 12/18/2013	SeqNo: 232721							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.21	0.00211	1.055	0	115	51.2	146				
Toluene	1.14	0.0211	1.055	0	108	63.4	132				
Naphthalene	1.26	0.0316	1.055	0	119	52.3	124				
Surr: Dibromofluoromethane	2.55		2.637		96.5	63.7	129				
Surr: Toluene-d8	2.65		2.637		100	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.52		2.637		95.4	63.1	141				

Sample ID: LCS-6159	SampType: LCS	Units: mg/Kg	Prep Date: 12/17/2013	RunNo: 11623							
Client ID: LCSS	Batch ID: 6159		Analysis Date: 12/17/2013	SeqNo: 232731							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.984	0.00200	1.000	0	98.4	56.1	130				
Toluene	1.00	0.0200	1.000	0	100	83	121				
Naphthalene	1.03	0.0300	1.000	0	103	64	130				
Surr: Dibromofluoromethane	2.55		2.500		102	63.7	129				
Surr: Toluene-d8	2.58		2.500		103	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.53		2.500		101	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312150
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6159	SampType: LCS	Units: mg/Kg	Prep Date: 12/17/2013	RunNo: 11623							
Client ID: LCSS	Batch ID: 6159	Analysis Date: 12/17/2013	SeqNo: 232731								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: MB-6159	SampType: MBLK	Units: mg/Kg	Prep Date: 12/17/2013	RunNo: 11623							
Client ID: MBLKS	Batch ID: 6159	Analysis Date: 12/17/2013	SeqNo: 232732								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.00200									
Toluene	ND	0.0200									
Naphthalene	ND	0.0300									
Surr: Dibromofluoromethane	2.41		2.500		96.3	63.7	129				
Surr: Toluene-d8	2.50		2.500		100	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.44		2.500		97.5	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **PES**
 Logged by: **Chelsea Ward**

Work Order Number: **1312150**
 Date Received: **12/17/2013 2:45:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 5. Custody seals intact on shipping container/cooler? Yes No Not Required
 6. Was an attempt made to cool the samples? Yes No NA
 7. Were all coolers received at a temperature of >0°C to 10.0°C? Yes No NA
 8. Sample(s) in proper container(s)? Yes No
 9. Sufficient sample volume for indicated test(s)? Yes No
 10. Are samples properly preserved? Yes No
 11. Was preservative added to bottles? Yes No NA
 12. Is the headspace in the VOA vials? Yes No NA
 13. Did all samples containers arrive in good condition(unbroken)? Yes No
 14. Does paperwork match bottle labels? Yes No
 15. Are matrices correctly identified on Chain of Custody? Yes No
 16. Is it clear what analyses were requested? Yes No
 17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

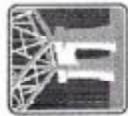
18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C	Condition
Cooler	8.5	Good
Sample	8.8	Good



Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103

Tel: 206-352-3790
Fax: 206-352-7178

Client: PES Environmental INC.
Address: 1215 4th Ave Suite 1350
City, State, Zip: Seattle, WA 98161 Tel: 206-524-3780

Reports To (PM): Kelly Rankich Email: KRankich@pescan.com Project No: 1006008.03.001

Laboratory Project No (Internal): 1312150
Page: 1 of: 1

Project Name: Former Pace National Property
Location: Kirkland, WA
Collected by: Kirsten Springstead

Date: 12-17-13

Chain of Custody Record

Sample Name	Sample Date	Sample Time	Sample Type (Ma trix)	GC/MS for EPA 8021b	BTEX by 8290	Gasoline Range Organics	Hydrocarbon Identification (H-ID)	Diesel/Heavy Oil Range Organics	PAH (EPA 8270) - GM	PCB (EPA 8082)	CI Particles (EPA 8081)	CI Herbicides (EPA 8081)	Metals * (6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC) **	Tri-Nitro-Toluene	Tri-Nitro-Toluene	Comments/Depth
1 Area 9-WSW-1740	12-17-13	9:45	S															
2 Trip Blank																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Metals Analysis (Circle): MTCA-5 RCRA-8 RCRA-6 Priority Pollutants TAL Individual: Ag Al As B Ba Be Cd Co Cr Cu Fe Hg I Mg Mn Mo Na Ni Pb Se Sr Sn Ti Th U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: Return to Client Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Received: [Signature] Date/Time: 12-17-13/1445
 Received: [Signature] Date/Time: 12-17-13/1445
 Special Remarks: Report to MALS
END in EIM format

TAT -> Next Day 2 Day 3 Day



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Kelly Rankich
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Former Pace National Property
Lab ID: 1312263

January 02, 2014

Attention Kelly Rankich:

Fremont Analytical, Inc. received 10 sample(s) on 12/30/2013 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal



Date: 01/02/2014

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property
Lab Order: 1312263

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1312263-001	Area9-Base1-133	12/30/2013 9:00 AM	12/30/2013 12:51 PM
1312263-002	Area9-Base2-135	12/30/2013 9:15 AM	12/30/2013 12:51 PM
1312263-003	Area9-Base3-135	12/30/2013 9:30 AM	12/30/2013 12:51 PM
1312263-004	Area9-Base4-135	12/30/2013 9:45 AM	12/30/2013 12:51 PM
1312263-005	Area9-Base5-136	12/30/2013 10:00 AM	12/30/2013 12:51 PM
1312263-006	Area9-Base6-138	12/30/2013 10:15 AM	12/30/2013 12:51 PM
1312263-007	Area9-Base7-138	12/30/2013 10:30 AM	12/30/2013 12:51 PM
1312263-008	Area9-Base8-138	12/30/2013 10:45 AM	12/30/2013 12:51 PM
1312263-009	Area9-Base9-138	12/30/2013 11:00 AM	12/30/2013 12:51 PM
1312263-010	Trip Blank	12/30/2013 12:00 AM	12/30/2013 12:51 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.



Analytical Report

WO#: 1312263

Date Reported: 1/2/2014

Client: PES Environmental, Inc.

Collection Date: 12/30/2013 9:00:00 AM

Project: Former Pace National Property

Lab ID: 1312263-001

Matrix: Soil

Client Sample ID: Area9-Base1-133

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6239

Analyst: EM

Diesel (Fuel Oil)	ND	22.4		mg/Kg-dry	1	12/31/2013 10:33:00 AM
Heavy Oil	ND	56.1		mg/Kg-dry	1	12/31/2013 10:33:00 AM
Surr: 2-Fluorobiphenyl	93.9	50-150		%REC	1	12/31/2013 10:33:00 AM
Surr: o-Terphenyl	99.0	50-150		%REC	1	12/31/2013 10:33:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6238

Analyst: EM

Vinyl chloride	ND	0.00217		mg/Kg-dry	1	12/30/2013 5:51:00 PM
Toluene	ND	0.0217		mg/Kg-dry	1	12/30/2013 5:51:00 PM
Naphthalene	ND	0.0325		mg/Kg-dry	1	12/30/2013 5:51:00 PM
Surr: Dibromofluoromethane	94.0	63.7-129		%REC	1	12/30/2013 5:51:00 PM
Surr: Toluene-d8	85.4	61.4-128		%REC	1	12/30/2013 5:51:00 PM
Surr: 1-Bromo-4-fluorobenzene	105	63.1-141		%REC	1	12/30/2013 5:51:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11804

Analyst: KZ

Percent Moisture	17.3			wt%	1	12/30/2013 1:45:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312263

Date Reported: 1/2/2014

Client: PES Environmental, Inc.

Collection Date: 12/30/2013 9:15:00 AM

Project: Former Pace National Property

Lab ID: 1312263-002

Matrix: Soil

Client Sample ID: Area9-Base2-135

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6239

Analyst: EM

Diesel (Fuel Oil)	ND	24.0		mg/Kg-dry	1	12/31/2013 12:25:00 PM
Heavy Oil	ND	59.9		mg/Kg-dry	1	12/31/2013 12:25:00 PM
Surr: 2-Fluorobiphenyl	94.2	50-150		%REC	1	12/31/2013 12:25:00 PM
Surr: o-Terphenyl	96.6	50-150		%REC	1	12/31/2013 12:25:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6238

Analyst: EM

Vinyl chloride	ND	0.00239		mg/Kg-dry	1	12/30/2013 6:45:00 PM
Toluene	ND	0.0239		mg/Kg-dry	1	12/30/2013 6:45:00 PM
Naphthalene	ND	0.0358		mg/Kg-dry	1	12/30/2013 6:45:00 PM
Surr: Dibromofluoromethane	93.0	63.7-129		%REC	1	12/30/2013 6:45:00 PM
Surr: Toluene-d8	84.7	61.4-128		%REC	1	12/30/2013 6:45:00 PM
Surr: 1-Bromo-4-fluorobenzene	106	63.1-141		%REC	1	12/30/2013 6:45:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11804

Analyst: KZ

Percent Moisture	23.5			wt%	1	12/30/2013 1:45:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312263

Date Reported: 1/2/2014

Client: PES Environmental, Inc.

Collection Date: 12/30/2013 9:30:00 AM

Project: Former Pace National Property

Lab ID: 1312263-003

Matrix: Soil

Client Sample ID: Area9-Base3-135

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6239

Analyst: EM

Diesel (Fuel Oil)	ND	24.3		mg/Kg-dry	1	12/31/2013 12:53:00 PM
Heavy Oil	ND	60.9		mg/Kg-dry	1	12/31/2013 12:53:00 PM
Surr: 2-Fluorobiphenyl	89.4	50-150		%REC	1	12/31/2013 12:53:00 PM
Surr: o-Terphenyl	91.1	50-150		%REC	1	12/31/2013 12:53:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6238

Analyst: EM

Vinyl chloride	ND	0.00259		mg/Kg-dry	1	12/30/2013 7:38:00 PM
Toluene	ND	0.0259		mg/Kg-dry	1	12/30/2013 7:38:00 PM
Naphthalene	ND	0.0389		mg/Kg-dry	1	12/30/2013 7:38:00 PM
Surr: Dibromofluoromethane	93.5	63.7-129		%REC	1	12/30/2013 7:38:00 PM
Surr: Toluene-d8	83.9	61.4-128		%REC	1	12/30/2013 7:38:00 PM
Surr: 1-Bromo-4-fluorobenzene	105	63.1-141		%REC	1	12/30/2013 7:38:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11804

Analyst: KZ

Percent Moisture	21.8			wt%	1	12/30/2013 1:45:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312263

Date Reported: 1/2/2014

Client: PES Environmental, Inc.

Collection Date: 12/30/2013 9:45:00 AM

Project: Former Pace National Property

Lab ID: 1312263-004

Matrix: Soil

Client Sample ID: Area9-Base4-135

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6239

Analyst: EM

Diesel (Fuel Oil)	ND	23.4		mg/Kg-dry	1	12/31/2013 1:21:00 PM
Heavy Oil	ND	58.5		mg/Kg-dry	1	12/31/2013 1:21:00 PM
Surr: 2-Fluorobiphenyl	102	50-150		%REC	1	12/31/2013 1:21:00 PM
Surr: o-Terphenyl	101	50-150		%REC	1	12/31/2013 1:21:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6238

Analyst: EM

Vinyl chloride	ND	0.00232		mg/Kg-dry	1	12/30/2013 8:05:00 PM
Toluene	ND	0.0232		mg/Kg-dry	1	12/30/2013 8:05:00 PM
Naphthalene	ND	0.0349		mg/Kg-dry	1	12/30/2013 8:05:00 PM
Surr: Dibromofluoromethane	93.5	63.7-129		%REC	1	12/30/2013 8:05:00 PM
Surr: Toluene-d8	83.2	61.4-128		%REC	1	12/30/2013 8:05:00 PM
Surr: 1-Bromo-4-fluorobenzene	104	63.1-141		%REC	1	12/30/2013 8:05:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11804

Analyst: KZ

Percent Moisture	18.0			wt%	1	12/30/2013 1:45:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312263

Date Reported: 1/2/2014

Client: PES Environmental, Inc.

Collection Date: 12/30/2013 10:00:00 AM

Project: Former Pace National Property

Lab ID: 1312263-005

Matrix: Soil

Client Sample ID: Area9-Base5-136

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6239

Analyst: EM

Diesel (Fuel Oil)	ND	23.4		mg/Kg-dry	1	12/31/2013 1:49:00 PM
Heavy Oil	ND	58.6		mg/Kg-dry	1	12/31/2013 1:49:00 PM
Surr: 2-Fluorobiphenyl	100	50-150		%REC	1	12/31/2013 1:49:00 PM
Surr: o-Terphenyl	99.9	50-150		%REC	1	12/31/2013 1:49:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6238

Analyst: EM

Vinyl chloride	ND	0.00232		mg/Kg-dry	1	12/30/2013 8:32:00 PM
Toluene	ND	0.0232		mg/Kg-dry	1	12/30/2013 8:32:00 PM
Naphthalene	ND	0.0348		mg/Kg-dry	1	12/30/2013 8:32:00 PM
Surr: Dibromofluoromethane	91.9	63.7-129		%REC	1	12/30/2013 8:32:00 PM
Surr: Toluene-d8	84.1	61.4-128		%REC	1	12/30/2013 8:32:00 PM
Surr: 1-Bromo-4-fluorobenzene	104	63.1-141		%REC	1	12/30/2013 8:32:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11804

Analyst: KZ

Percent Moisture	16.8			wt%	1	12/30/2013 1:45:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312263

Date Reported: 1/2/2014

Client: PES Environmental, Inc.

Collection Date: 12/30/2013 10:15:00 AM

Project: Former Pace National Property

Lab ID: 1312263-006

Matrix: Soil

Client Sample ID: Area9-Base6-138

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6239

Analyst: EM

Diesel (Fuel Oil)	ND	23.8		mg/Kg-dry	1	12/31/2013 2:17:00 PM
Heavy Oil	ND	59.5		mg/Kg-dry	1	12/31/2013 2:17:00 PM
Surr: 2-Fluorobiphenyl	98.6	50-150		%REC	1	12/31/2013 2:17:00 PM
Surr: o-Terphenyl	98.6	50-150		%REC	1	12/31/2013 2:17:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6238

Analyst: EM

Vinyl chloride	ND	0.00243		mg/Kg-dry	1	12/30/2013 8:58:00 PM
Toluene	ND	0.0243		mg/Kg-dry	1	12/30/2013 8:58:00 PM
Naphthalene	ND	0.0364		mg/Kg-dry	1	12/30/2013 8:58:00 PM
Surr: Dibromofluoromethane	95.3	63.7-129		%REC	1	12/30/2013 8:58:00 PM
Surr: Toluene-d8	85.1	61.4-128		%REC	1	12/30/2013 8:58:00 PM
Surr: 1-Bromo-4-fluorobenzene	105	63.1-141		%REC	1	12/30/2013 8:58:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11804

Analyst: KZ

Percent Moisture	18.4			wt%	1	12/30/2013 1:45:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312263

Date Reported: 1/2/2014

Client: PES Environmental, Inc.

Collection Date: 12/30/2013 10:30:00 AM

Project: Former Pace National Property

Lab ID: 1312263-007

Matrix: Soil

Client Sample ID: Area9-Base7-138

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6239

Analyst: EM

Diesel (Fuel Oil)	ND	22.4		mg/Kg-dry	1	12/31/2013 2:45:00 PM
Heavy Oil	ND	56.1		mg/Kg-dry	1	12/31/2013 2:45:00 PM
Surr: 2-Fluorobiphenyl	98.1	50-150		%REC	1	12/31/2013 2:45:00 PM
Surr: o-Terphenyl	97.4	50-150		%REC	1	12/31/2013 2:45:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6238

Analyst: EM

Vinyl chloride	ND	0.00260		mg/Kg-dry	1	12/30/2013 9:25:00 PM
Toluene	ND	0.0260		mg/Kg-dry	1	12/30/2013 9:25:00 PM
Naphthalene	ND	0.0390		mg/Kg-dry	1	12/30/2013 9:25:00 PM
Surr: Dibromofluoromethane	93.0	63.7-129		%REC	1	12/30/2013 9:25:00 PM
Surr: Toluene-d8	83.8	61.4-128		%REC	1	12/30/2013 9:25:00 PM
Surr: 1-Bromo-4-fluorobenzene	104	63.1-141		%REC	1	12/30/2013 9:25:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11804

Analyst: KZ

Percent Moisture	17.7			wt%	1	12/30/2013 1:45:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312263

Date Reported: 1/2/2014

Client: PES Environmental, Inc.

Collection Date: 12/30/2013 10:45:00 AM

Project: Former Pace National Property

Lab ID: 1312263-008

Matrix: Soil

Client Sample ID: Area9-Base8-138

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6239

Analyst: EM

Diesel (Fuel Oil)	ND	22.4		mg/Kg-dry	1	12/31/2013 3:12:00 PM
Heavy Oil	ND	56.1		mg/Kg-dry	1	12/31/2013 3:12:00 PM
Surr: 2-Fluorobiphenyl	93.6	50-150		%REC	1	12/31/2013 3:12:00 PM
Surr: o-Terphenyl	97.0	50-150		%REC	1	12/31/2013 3:12:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6238

Analyst: EM

Vinyl chloride	ND	0.00186		mg/Kg-dry	1	12/30/2013 9:52:00 PM
Toluene	ND	0.0186		mg/Kg-dry	1	12/30/2013 9:52:00 PM
Naphthalene	ND	0.0280		mg/Kg-dry	1	12/30/2013 9:52:00 PM
Surr: Dibromofluoromethane	91.4	63.7-129		%REC	1	12/30/2013 9:52:00 PM
Surr: Toluene-d8	83.6	61.4-128		%REC	1	12/30/2013 9:52:00 PM
Surr: 1-Bromo-4-fluorobenzene	105	63.1-141		%REC	1	12/30/2013 9:52:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11804

Analyst: KZ

Percent Moisture	16.6			wt%	1	12/30/2013 1:45:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312263

Date Reported: 1/2/2014

Client: PES Environmental, Inc.

Collection Date: 12/30/2013 11:00:00 AM

Project: Former Pace National Property

Lab ID: 1312263-009

Matrix: Soil

Client Sample ID: Area9-Base9-138

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6239

Analyst: EM

Diesel (Fuel Oil)	ND	22.6		mg/Kg-dry	1	12/31/2013 3:41:00 PM
Heavy Oil	ND	56.4		mg/Kg-dry	1	12/31/2013 3:41:00 PM
Surr: 2-Fluorobiphenyl	98.2	50-150		%REC	1	12/31/2013 3:41:00 PM
Surr: o-Terphenyl	97.1	50-150		%REC	1	12/31/2013 3:41:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6238

Analyst: EM

Vinyl chloride	ND	0.00224		mg/Kg-dry	1	12/30/2013 10:19:00 PM
Toluene	ND	0.0224		mg/Kg-dry	1	12/30/2013 10:19:00 PM
Naphthalene	ND	0.0336		mg/Kg-dry	1	12/30/2013 10:19:00 PM
Surr: Dibromofluoromethane	90.5	63.7-129		%REC	1	12/30/2013 10:19:00 PM
Surr: Toluene-d8	82.6	61.4-128		%REC	1	12/30/2013 10:19:00 PM
Surr: 1-Bromo-4-fluorobenzene	105	63.1-141		%REC	1	12/30/2013 10:19:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11804

Analyst: KZ

Percent Moisture	15.7			wt%	1	12/30/2013 1:45:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 12/30/2013

Project: Former Pace National Property

Lab ID: 1312263-010

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6238

Analyst: EM

Vinyl chloride	ND	0.00200		mg/Kg	1	12/30/2013 11:12:00 PM
Toluene	ND	0.0200		mg/Kg	1	12/30/2013 11:12:00 PM
Naphthalene	ND	0.0300		mg/Kg	1	12/30/2013 11:12:00 PM
Surr: Dibromofluoromethane	90.3	63.7-129		%REC	1	12/30/2013 11:12:00 PM
Surr: Toluene-d8	82.9	61.4-128		%REC	1	12/30/2013 11:12:00 PM
Surr: 1-Bromo-4-fluorobenzene	104	63.1-141		%REC	1	12/30/2013 11:12:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1312263
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1312263-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/30/2013	RunNo: 11819							
Client ID: Area9-Base1-133	Batch ID: 6239		Analysis Date: 12/31/2013	SeqNo: 236619							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	23.1						0		30	
Heavy Oil	ND	57.8						0		30	
Surr: 2-Fluorobiphenyl	22.5		23.14		97.2	50	150		0		
Surr: o-Terphenyl	22.5		23.14		97.0	50	150		0		

Sample ID: LCS-6239	SampType: LCS	Units: mg/Kg	Prep Date: 12/30/2013	RunNo: 11819							
Client ID: LCSS	Batch ID: 6239		Analysis Date: 12/31/2013	SeqNo: 236620							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	417	20.0	500.0	0	83.4	65	135				
Surr: 2-Fluorobiphenyl	18.8		20.00		93.8	50	150				
Surr: o-Terphenyl	19.3		20.00		96.7	50	150				

Sample ID: MB-6239	SampType: MBLK	Units: mg/Kg	Prep Date: 12/30/2013	RunNo: 11819							
Client ID: MBLKS	Batch ID: 6239		Analysis Date: 12/31/2013	SeqNo: 236621							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	19.2		20.00		96.0	50	150				
Surr: o-Terphenyl	19.6		20.00		98.0	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312263
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6238	SampType: LCS	Units: mg/Kg				Prep Date: 12/30/2013	RunNo: 11808				
Client ID: LCSS	Batch ID: 6238					Analysis Date: 12/30/2013	SeqNo: 236394				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.801	0.00200	1.000	0	80.1	56.1	130				
Toluene	0.815	0.0200	1.000	0	81.5	80.9	124				
Naphthalene	0.771	0.0300	1.000	0	77.1	64	130				
Surr: Dibromofluoromethane	2.38		2.500		95.0	63.7	129				
Surr: Toluene-d8	2.14		2.500		85.7	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.72		2.500		109	63.1	141				

Sample ID: MB-6238	SampType: MBLK	Units: mg/Kg				Prep Date: 12/30/2013	RunNo: 11808				
Client ID: MBLKS	Batch ID: 6238					Analysis Date: 12/30/2013	SeqNo: 236395				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00200									
Toluene	ND	0.0200									
Naphthalene	ND	0.0300									
Surr: Dibromofluoromethane	2.24		2.500		89.5	63.7	129				
Surr: Toluene-d8	2.12		2.500		85.0	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.62		2.500		105	63.1	141				

Sample ID: 1312263-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 12/30/2013	RunNo: 11808				
Client ID: Area9-Base1-133	Batch ID: 6238					Analysis Date: 12/30/2013	SeqNo: 236483				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00217						0		30	
Toluene	ND	0.0217						0		30	
Naphthalene	ND	0.0325						0		30	
Surr: Dibromofluoromethane	2.43		2.706		90.0	63.7	129		0		
Surr: Toluene-d8	2.28		2.706		84.4	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.86		2.706		106	63.1	141		0		

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1312263
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1312263-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/30/2013	RunNo: 11808							
Client ID: Area9-Base1-133	Batch ID: 6238		Analysis Date: 12/30/2013	SeqNo: 236483							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 1312263-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/30/2013	RunNo: 11808							
Client ID: Area9-Base2-135	Batch ID: 6238		Analysis Date: 12/30/2013	SeqNo: 236485							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	1.11	0.00239	1.193	0	93.1	51.2	146				
Toluene	1.07	0.0239	1.193	0	90.1	63.4	132				
Naphthalene	0.980	0.0358	1.193	0	82.1	52.3	124				
Surr: Dibromofluoromethane	2.92		2.983		97.9	63.7	129				
Surr: Toluene-d8	2.59		2.983		86.9	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	3.31		2.983		111	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **PES**
 Logged by: **Chelsea Ward**

Work Order Number: **1312263**
 Date Received: **12/30/2013 12:51:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 5. Custody seals intact on shipping container/cooler? Yes No Not Required
 6. Was an attempt made to cool the samples? Yes No NA
 7. Were all coolers received at a temperature of >0°C to 10.0°C? Yes No NA
 8. Sample(s) in proper container(s)? Yes No
 9. Sufficient sample volume for indicated test(s)? Yes No
 10. Are samples properly preserved? Yes No
 11. Was preservative added to bottles? Yes No NA
 12. Is the headspace in the VOA vials? Yes No NA
 13. Did all samples containers arrive in good condition(unbroken)? Yes No
 14. Does paperwork match bottle labels? Yes No
 15. Are matrices correctly identified on Chain of Custody? Yes No
 16. Is it clear what analyses were requested? Yes No
 17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C	Condition
Cooler 1	2.7	Good
Cooler 2	3.4	Good
Sample 1	2.0	Good
Sample 2	2.6	Good



Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Client: PES ENVIRONMENTAL, INC.
Address: 1215 4th Avenue Ste 1350
City, State, Zip: Seattle WA 98101 Tel: 206-524-3160
Reports To (PM): Kelly Rankin Fax: 206-524-3985 Email: kfrank@pesenv.com

Date: 12-30-13

Project Name:
Location:

Project No: 1006.008.03.001
Page: 1 of 1
Laboratory Project No (Internal): 312263
Project Name: Former Base National Property
Location: Everett, WA
Collected by: Karsten Springsstead

Chain of Custody Record

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	YOC (EPA 8260)	OXTEX by EPA 821b	Gasoline Range Organics	Hydrocarbon Identification (HCD)	SEM VOL (EPA 8270 - SM)	PCB (EPA 8082)	Dieldrin (EPA 8082)	Metals (EPA 8081)	Total (EPA 821A)	Anions (CI) Dissolved (D)	Comments/Depth
Area 9-Base 1-133	12-30	900	Soil			X	X						X	
Area 9-Base 2-135	12-30	915				X	X						X	
Area 9-Base 3-135	12-30	930				X	X						X	
Area 9-Base 4-135		945				X	X						X	
Area 9-Base 5-136		1000				X	X						X	
Area 9-Base 6-138		1015				X	X						X	
Area 9-Base 7-138		1030				X	X						X	
Area 9-Base 8-138		1045				X	X						X	
Area 9-Base 9-138		1100				X	X						X	
TRAP BLANK														Simon Gel Cleanup

*Metals Analysis (Circle): MTCN-5 RCRA-8 TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sp Sr Sn Ti U V Zn

**Anions (Circle): Nitrate Nitrite Sulfate Bromide Chloride O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: Return to Client Disposal by Lab (A fee may be assessed if sample are retained after 30 days)

Relinquished: [Signature] Date/Time: 12-30-13/1300
 Relinquished: [Signature] Date/Time: 12-30-13/1300

Special Remarks: Report to MPLS EDD in EIM Format Results by 1-2-14-08am

TAT --> Next Day 2 Day 3 Day STD



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Kelly Rankich
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Former Pace National Property
Lab ID: 1401006

January 06, 2014

Attention Kelly Rankich:

Fremont Analytical, Inc. received 5 sample(s) on 1/2/2014 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal



Date: 01/06/2014

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property
Lab Order: 1401006

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1401006-001	Area9-NSW1-135	01/02/2014 9:45 AM	01/02/2014 11:45 AM
1401006-002	Area9-Base10-134	01/02/2014 10:00 AM	01/02/2014 11:45 AM
1401006-003	Area9-Base11-134	01/02/2014 10:15 AM	01/02/2014 11:45 AM
1401006-004	Area9-Base12-134	01/02/2014 10:30 AM	01/02/2014 11:45 AM
1401006-005	Trip Blank	12/20/2013 11:45 AM	01/02/2014 11:45 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401006-001A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401006-002A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401006-003A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401006-004A) required Silica Gel Cleanup Procedure (Using Method No 3630C).



Analytical Report

WO#: 1401006
Date Reported: 1/6/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401006-001
Client Sample ID: Area9-NSW1-135

Collection Date: 1/2/2014 9:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6274 Analyst: MD

Diesel (Fuel Oil)	ND	24.8		mg/Kg-dry	1	1/2/2014 10:33:00 PM
Heavy Oil	ND	62.1		mg/Kg-dry	1	1/2/2014 10:33:00 PM
Surr: 2-Fluorobiphenyl	93.7	50-150		%REC	1	1/2/2014 10:33:00 PM
Surr: o-Terphenyl	93.7	50-150		%REC	1	1/2/2014 10:33:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6273 Analyst: GH

Vinyl chloride	ND	0.00288		mg/Kg-dry	1	1/2/2014 4:45:00 PM
Toluene	ND	0.0288		mg/Kg-dry	1	1/2/2014 4:45:00 PM
Naphthalene	ND	0.0433		mg/Kg-dry	1	1/2/2014 4:45:00 PM
Surr: Dibromofluoromethane	80.7	63.7-129		%REC	1	1/2/2014 4:45:00 PM
Surr: Toluene-d8	110	61.4-128		%REC	1	1/2/2014 4:45:00 PM
Surr: 1-Bromo-4-fluorobenzene	85.1	63.1-141		%REC	1	1/2/2014 4:45:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11844 Analyst: JY

Percent Moisture	20.1			wt%	1	1/2/2014 4:06:52 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401006
Date Reported: 1/6/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401006-002
Client Sample ID: Area9-Base10-134

Collection Date: 1/2/2014 10:00:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6274 Analyst: MD

Diesel (Fuel Oil)	ND	24.2		mg/Kg-dry	1	1/2/2014 11:29:00 PM
Heavy Oil	ND	60.5		mg/Kg-dry	1	1/2/2014 11:29:00 PM
Surr: 2-Fluorobiphenyl	96.7	50-150		%REC	1	1/2/2014 11:29:00 PM
Surr: o-Terphenyl	94.0	50-150		%REC	1	1/2/2014 11:29:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6273 Analyst: GH

Vinyl chloride	ND	0.00236		mg/Kg-dry	1	1/2/2014 6:07:00 PM
Toluene	ND	0.0236		mg/Kg-dry	1	1/2/2014 6:07:00 PM
Naphthalene	0.0584	0.0354		mg/Kg-dry	1	1/2/2014 6:07:00 PM
Surr: Dibromofluoromethane	82.7	63.7-129		%REC	1	1/2/2014 6:07:00 PM
Surr: Toluene-d8	110	61.4-128		%REC	1	1/2/2014 6:07:00 PM
Surr: 1-Bromo-4-fluorobenzene	84.9	63.1-141		%REC	1	1/2/2014 6:07:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11844 Analyst: JY

Percent Moisture	19.9			wt%	1	1/2/2014 4:06:52 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401006
Date Reported: 1/6/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401006-003
Client Sample ID: Area9-Base11-134

Collection Date: 1/2/2014 10:15:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6274 Analyst: MD

Diesel (Fuel Oil)	ND	24.0		mg/Kg-dry	1	1/2/2014 11:57:00 PM
Heavy Oil	ND	59.9		mg/Kg-dry	1	1/2/2014 11:57:00 PM
Surr: 2-Fluorobiphenyl	92.8	50-150		%REC	1	1/2/2014 11:57:00 PM
Surr: o-Terphenyl	92.4	50-150		%REC	1	1/2/2014 11:57:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6273 Analyst: GH

Vinyl chloride	ND	0.00243		mg/Kg-dry	1	1/2/2014 6:34:00 PM
Toluene	ND	0.0243		mg/Kg-dry	1	1/2/2014 6:34:00 PM
Naphthalene	ND	0.0364		mg/Kg-dry	1	1/2/2014 6:34:00 PM
Surr: Dibromofluoromethane	80.5	63.7-129		%REC	1	1/2/2014 6:34:00 PM
Surr: Toluene-d8	109	61.4-128		%REC	1	1/2/2014 6:34:00 PM
Surr: 1-Bromo-4-fluorobenzene	84.2	63.1-141		%REC	1	1/2/2014 6:34:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11844 Analyst: JY

Percent Moisture	21.7			wt%	1	1/2/2014 4:06:52 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401006
Date Reported: 1/6/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401006-004
Client Sample ID: Area9-Base12-134

Collection Date: 1/2/2014 10:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6274 Analyst: MD

Diesel (Fuel Oil)	ND	24.3		mg/Kg-dry	1	1/3/2014 12:25:00 AM
Heavy Oil	ND	60.7		mg/Kg-dry	1	1/3/2014 12:25:00 AM
Surr: 2-Fluorobiphenyl	93.9	50-150		%REC	1	1/3/2014 12:25:00 AM
Surr: o-Terphenyl	93.6	50-150		%REC	1	1/3/2014 12:25:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6273 Analyst: GH

Vinyl chloride	ND	0.00243		mg/Kg-dry	1	1/2/2014 7:02:00 PM
Toluene	ND	0.0243		mg/Kg-dry	1	1/2/2014 7:02:00 PM
Naphthalene	ND	0.0365		mg/Kg-dry	1	1/2/2014 7:02:00 PM
Surr: Dibromofluoromethane	80.5	63.7-129		%REC	1	1/2/2014 7:02:00 PM
Surr: Toluene-d8	108	61.4-128		%REC	1	1/2/2014 7:02:00 PM
Surr: 1-Bromo-4-fluorobenzene	84.6	63.1-141		%REC	1	1/2/2014 7:02:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11844 Analyst: JY

Percent Moisture	19.3			wt%	1	1/2/2014 4:06:52 PM
------------------	------	--	--	-----	---	---------------------

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 12/20/2013 11:45:00 AM

Project: Former Pace National Property

Lab ID: 1401006-005

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6273

Analyst: GH

Vinyl chloride	ND	0.00200		mg/Kg	1	1/2/2014 4:18:00 PM
Toluene	ND	0.0200		mg/Kg	1	1/2/2014 4:18:00 PM
Naphthalene	ND	0.0300		mg/Kg	1	1/2/2014 4:18:00 PM
Surr: Dibromofluoromethane	79.0	63.7-129		%REC	1	1/2/2014 4:18:00 PM
Surr: Toluene-d8	111	61.4-128		%REC	1	1/2/2014 4:18:00 PM
Surr: 1-Bromo-4-fluorobenzene	84.9	63.1-141		%REC	1	1/2/2014 4:18:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1401006
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1401006-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/2/2014	RunNo: 11861							
Client ID: Area9-NSW1-135	Batch ID: 6274		Analysis Date: 1/2/2014	SeqNo: 237568							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	23.9						0		30	
Heavy Oil	ND	59.9						0		30	
Surr: 2-Fluorobiphenyl	23.6		23.94		98.6	50	150		0		
Surr: o-Terphenyl	23.2		23.94		97.1	50	150		0		

Sample ID: LCS-6274	SampType: LCS	Units: mg/Kg	Prep Date: 1/2/2014	RunNo: 11861							
Client ID: LCSS	Batch ID: 6274		Analysis Date: 1/2/2014	SeqNo: 237581							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	502	20.0	500.0	0	100	65	135				
Surr: 2-Fluorobiphenyl	20.3		20.00		102	50	150				
Surr: o-Terphenyl	19.7		20.00		98.3	50	150				

Sample ID: MB-6274	SampType: MBLK	Units: mg/Kg	Prep Date: 1/2/2014	RunNo: 11861							
Client ID: MBLKS	Batch ID: 6274		Analysis Date: 1/2/2014	SeqNo: 237582							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	19.1		20.00		95.3	50	150				
Surr: o-Terphenyl	18.9		20.00		94.5	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401006
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1401006-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/2/2014	RunNo: 11854							
Client ID: Area9-NSW1-135	Batch ID: 6273		Analysis Date: 1/2/2014	SeqNo: 237314							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.80	0.00288	1.442	0	125	51.2	146				
Toluene	1.63	0.0288	1.442	0	113	63.4	132				
Naphthalene	1.76	0.0433	1.442	0	122	52.3	124				
Surr: Dibromofluoromethane	3.09		3.605		85.7	63.7	129				
Surr: Toluene-d8	4.03		3.605		112	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	3.09		3.605		85.7	63.1	141				

Sample ID: 1401012-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/2/2014	RunNo: 11854							
Client ID: BATCH	Batch ID: 6273		Analysis Date: 1/3/2014	SeqNo: 237330							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00257						0		30	
Toluene	ND	0.0257						0		30	
Naphthalene	0.0597	0.0385						0.05967	0	30	
Surr: Dibromofluoromethane	2.45		3.208		76.5	63.7	129		0		
Surr: Toluene-d8	3.39		3.208		106	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.67		3.208		83.2	63.1	141		0		

Sample ID: LCS-6273	SampType: LCS	Units: mg/Kg	Prep Date: 1/2/2014	RunNo: 11854							
Client ID: LCSS	Batch ID: 6273		Analysis Date: 1/2/2014	SeqNo: 237333							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.952	0.00200	1.000	0	95.2	56.1	130				
Toluene	1.03	0.0200	1.000	0	103	80.9	124				
Naphthalene	1.13	0.0300	1.000	0	113	64	130				
Surr: Dibromofluoromethane	2.37		2.500		94.7	63.7	129				
Surr: Toluene-d8	2.41		2.500		96.4	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.49		2.500		99.4	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 1/6/2014

Work Order: 1401006
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6273	SampType: LCS	Units: mg/Kg	Prep Date: 1/2/2014	RunNo: 11854							
Client ID: LCSS	Batch ID: 6273	Analysis Date: 1/2/2014	SeqNo: 237333								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: MB-6273	SampType: MBLK	Units: mg/Kg	Prep Date: 1/2/2014	RunNo: 11854							
Client ID: MBLKS	Batch ID: 6273	Analysis Date: 1/2/2014	SeqNo: 237334								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.00200									
Toluene	ND	0.0200									
Naphthalene	ND	0.0300									
Surr: Dibromofluoromethane	2.39		2.500		95.5	63.7	129				
Surr: Toluene-d8	2.31		2.500		92.5	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.38		2.500		95.1	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: PES	Work Order Number: 1401006
Logged by: Chelsea Ward	Date Received: 1/2/2014 11:45:00 AM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody seals intact on shipping container/cooler? Yes No Not Required
6. Was an attempt made to cool the samples? Yes No NA
7. Were all coolers received at a temperature of >0°C to 10.0°C Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is the headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C	Condition
Cooler	3.6	Good
Sample	7.9	Good



Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Client: PES ENVIRONMENTAL INC.
Address: 1215 4th Avenue Ste B50
City, State, Zip: Seattle, WA 98161
Tel: 206-524-3700
Reports To (PM): Kelly Rankin
Fax: 206-524-3985

Project Name: Former Pace National Property
Location: Kirkland, WA
Collected by: Karsten Springsstead

Laboratory Project No (Internal): 1401006
Page: 6 of 1
Project No: 1006.009.03.001
Email: krankin@peseva.com

Chain of Custody Record

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	LOI (GPA 8240)	GC/PTX BY EPA 8210	Gasoline Range Organics	Aromatic Range Organics (MCP)	PAH (EPA 8270 - SM)	PCBs (EPA 8082)	Chlorides (EPA 8081)	Metals* (6070 / 300.0)	Total (T) Dissolved (D)	Anions (Cl ⁻)	Comments/Depth
Area 9 - NSM4-135	1-2-14	945	Soil			X	X						X	Silver Grad Cleanup
Area 9 - Base 10-134	1-2-14	1000	Soil			X	X						X	
Area 9 - base 11-134	1-2-14	1015	Soil			X	X						X	
Area 9 - base 12-134	1-2-14	1030	Soil			X	X						X	
TRIP BLANK													X	
6														
7														
8														
9														
10														

*Metals Analysis (Circle): Ni/Cr-5 R/Cr-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Ni Pb Sb Se Sn Tl Ti U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide Fluoride Nitrate-Nitrite

Sample Disposal: Return to Client Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Received: Date/Time: 1-2-14/1145
Received: Date/Time: 1-2-14 11:45

Special Remarks: Report to MRLs format EDD in E/M format results by 8am on 1-6-14

TAT -> Next Day 2 Day 3 Day STD



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Kelly Rankich
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Former Pace National Property
Lab ID: 1401026

January 07, 2014

Attention Kelly Rankich:

Fremont Analytical, Inc. received 11 sample(s) on 1/6/2014 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal



Date: 01/07/2014

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property
Lab Order: 1401026

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1401026-001	Area9-Base13-136	01/06/2014 10:15 AM	01/06/2014 1:30 PM
1401026-002	Area9-Base14-136	01/06/2014 10:25 AM	01/06/2014 1:30 PM
1401026-003	Area9-Base15-137	01/06/2014 10:35 AM	01/06/2014 1:30 PM
1401026-004	Area9-Base16-138	01/06/2014 10:50 AM	01/06/2014 1:30 PM
1401026-005	Area9-Base17-137	01/06/2014 11:05 AM	01/06/2014 1:30 PM
1401026-006	Area9-Base18-137	01/06/2014 11:20 AM	01/06/2014 1:30 PM
1401026-007	Area9-Base19-137	01/06/2014 11:40 AM	01/06/2014 1:30 PM
1401026-008	Area9-Base20-137	01/06/2014 11:45 AM	01/06/2014 1:30 PM
1401026-009	Area9-Base21-137	01/06/2014 12:00 PM	01/06/2014 1:30 PM
1401026-010	Area9-Base22-138	01/06/2014 12:15 PM	01/06/2014 1:30 PM
1401026-011	Trip Blank	12/17/2013 2:45 PM	01/06/2014 1:30 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401026-001A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401026-002A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401026-003A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401026-004A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401026-005A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401026-006A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401026-007A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401026-008A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401026-009A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401026-010A) required Silica Gel Cleanup Procedure (Using Method No 3630C).



Analytical Report

WO#: 1401026

Date Reported: 1/7/2014

Client: PES Environmental, Inc.

Collection Date: 1/6/2014 10:15:00 AM

Project: Former Pace National Property

Lab ID: 1401026-001

Matrix: Soil

Client Sample ID: Area9-Base13-136

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6289

Analyst: JY

Diesel (Fuel Oil)	ND	22.7		mg/Kg-dry	1	1/6/2014 4:21:00 PM
Heavy Oil	ND	56.7		mg/Kg-dry	1	1/6/2014 4:21:00 PM
Surr: 2-Fluorobiphenyl	99.5	50-150		%REC	1	1/6/2014 4:21:00 PM
Surr: o-Terphenyl	101	50-150		%REC	1	1/6/2014 4:21:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6292

Analyst: GH

Vinyl chloride	ND	0.00225		mg/Kg-dry	1	1/6/2014 5:32:00 PM
Toluene	ND	0.0225		mg/Kg-dry	1	1/6/2014 5:32:00 PM
Naphthalene	ND	0.0338		mg/Kg-dry	1	1/6/2014 5:32:00 PM
Surr: Dibromofluoromethane	86.2	63.7-129		%REC	1	1/6/2014 5:32:00 PM
Surr: Toluene-d8	104	61.4-128		%REC	1	1/6/2014 5:32:00 PM
Surr: 1-Bromo-4-fluorobenzene	83.2	63.1-141		%REC	1	1/6/2014 5:32:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11888

Analyst: KZ

Percent Moisture	18.1			wt%	1	1/6/2014 1:51:20 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401026
Date Reported: 1/7/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401026-002
Client Sample ID: Area9-Base14-136

Collection Date: 1/6/2014 10:25:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6289 Analyst: JY

Diesel (Fuel Oil)	ND	23.5		mg/Kg-dry	1	1/6/2014 4:49:00 PM
Heavy Oil	ND	58.7		mg/Kg-dry	1	1/6/2014 4:49:00 PM
Surr: 2-Fluorobiphenyl	102	50-150		%REC	1	1/6/2014 4:49:00 PM
Surr: o-Terphenyl	102	50-150		%REC	1	1/6/2014 4:49:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6292 Analyst: GH

Vinyl chloride	ND	0.00239		mg/Kg-dry	1	1/6/2014 6:26:00 PM
Toluene	ND	0.0239		mg/Kg-dry	1	1/6/2014 6:26:00 PM
Naphthalene	ND	0.0358		mg/Kg-dry	1	1/6/2014 6:26:00 PM
Surr: Dibromofluoromethane	86.6	63.7-129		%REC	1	1/6/2014 6:26:00 PM
Surr: Toluene-d8	105	61.4-128		%REC	1	1/6/2014 6:26:00 PM
Surr: 1-Bromo-4-fluorobenzene	83.1	63.1-141		%REC	1	1/6/2014 6:26:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11888 Analyst: KZ

Percent Moisture	18.7			wt%	1	1/6/2014 1:51:20 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401026
Date Reported: 1/7/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401026-003
Client Sample ID: Area9-Base15-137

Collection Date: 1/6/2014 10:35:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6289 Analyst: JY

Diesel (Fuel Oil)	ND	19.2		mg/Kg-dry	1	1/6/2014 5:17:00 PM
Heavy Oil	ND	48.0		mg/Kg-dry	1	1/6/2014 5:17:00 PM
Surr: 2-Fluorobiphenyl	99.1	50-150		%REC	1	1/6/2014 5:17:00 PM
Surr: o-Terphenyl	99.1	50-150		%REC	1	1/6/2014 5:17:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6292 Analyst: GH

Vinyl chloride	ND	0.00191		mg/Kg-dry	1	1/6/2014 8:15:00 PM
Toluene	ND	0.0191		mg/Kg-dry	1	1/6/2014 8:15:00 PM
Naphthalene	ND	0.0286		mg/Kg-dry	1	1/6/2014 8:15:00 PM
Surr: Dibromofluoromethane	88.2	63.7-129		%REC	1	1/6/2014 8:15:00 PM
Surr: Toluene-d8	104	61.4-128		%REC	1	1/6/2014 8:15:00 PM
Surr: 1-Bromo-4-fluorobenzene	82.3	63.1-141		%REC	1	1/6/2014 8:15:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11888 Analyst: KZ

Percent Moisture	14.8			wt%	1	1/6/2014 1:51:20 PM
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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



Analytical Report

WO#: 1401026
Date Reported: 1/7/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401026-004
Client Sample ID: Area9-Base16-138

Collection Date: 1/6/2014 10:50:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6289 Analyst: JY

Diesel (Fuel Oil)	ND	22.8		mg/Kg-dry	1	1/6/2014 5:44:00 PM
Heavy Oil	ND	56.9		mg/Kg-dry	1	1/6/2014 5:44:00 PM
Surr: 2-Fluorobiphenyl	101	50-150		%REC	1	1/6/2014 5:44:00 PM
Surr: o-Terphenyl	101	50-150		%REC	1	1/6/2014 5:44:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6292 Analyst: GH

Vinyl chloride	ND	0.00211		mg/Kg-dry	1	1/6/2014 8:42:00 PM
Toluene	ND	0.0211		mg/Kg-dry	1	1/6/2014 8:42:00 PM
Naphthalene	ND	0.0317		mg/Kg-dry	1	1/6/2014 8:42:00 PM
Surr: Dibromofluoromethane	86.7	63.7-129		%REC	1	1/6/2014 8:42:00 PM
Surr: Toluene-d8	103	61.4-128		%REC	1	1/6/2014 8:42:00 PM
Surr: 1-Bromo-4-fluorobenzene	83.1	63.1-141		%REC	1	1/6/2014 8:42:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11888 Analyst: KZ

Percent Moisture	17.8			wt%	1	1/6/2014 1:51:20 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401026
Date Reported: 1/7/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401026-005
Client Sample ID: Area9-Base17-137

Collection Date: 1/6/2014 11:05:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6289 Analyst: JY

Diesel (Fuel Oil)	ND	24.4		mg/Kg-dry	1	1/6/2014 6:12:00 PM
Heavy Oil	ND	61.0		mg/Kg-dry	1	1/6/2014 6:12:00 PM
Surr: 2-Fluorobiphenyl	100	50-150		%REC	1	1/6/2014 6:12:00 PM
Surr: o-Terphenyl	99.9	50-150		%REC	1	1/6/2014 6:12:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6292 Analyst: GH

Vinyl chloride	ND	0.00255		mg/Kg-dry	1	1/6/2014 9:09:00 PM
Toluene	ND	0.0255		mg/Kg-dry	1	1/6/2014 9:09:00 PM
Naphthalene	ND	0.0382		mg/Kg-dry	1	1/6/2014 9:09:00 PM
Surr: Dibromofluoromethane	85.5	63.7-129		%REC	1	1/6/2014 9:09:00 PM
Surr: Toluene-d8	104	61.4-128		%REC	1	1/6/2014 9:09:00 PM
Surr: 1-Bromo-4-fluorobenzene	83.8	63.1-141		%REC	1	1/6/2014 9:09:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11888 Analyst: KZ

Percent Moisture	21.5			wt%	1	1/6/2014 1:51:20 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401026
Date Reported: 1/7/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401026-006
Client Sample ID: Area9-Base18-137

Collection Date: 1/6/2014 11:20:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6289 Analyst: JY

Diesel (Fuel Oil)	ND	23.1		mg/Kg-dry	1	1/6/2014 6:40:00 PM
Heavy Oil	ND	57.7		mg/Kg-dry	1	1/6/2014 6:40:00 PM
Surr: 2-Fluorobiphenyl	102	50-150		%REC	1	1/6/2014 6:40:00 PM
Surr: o-Terphenyl	102	50-150		%REC	1	1/6/2014 6:40:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6292 Analyst: GH

Vinyl chloride	ND	0.00232		mg/Kg-dry	1	1/6/2014 9:36:00 PM
Toluene	ND	0.0232		mg/Kg-dry	1	1/6/2014 9:36:00 PM
Naphthalene	ND	0.0348		mg/Kg-dry	1	1/6/2014 9:36:00 PM
Surr: Dibromofluoromethane	84.8	63.7-129		%REC	1	1/6/2014 9:36:00 PM
Surr: Toluene-d8	103	61.4-128		%REC	1	1/6/2014 9:36:00 PM
Surr: 1-Bromo-4-fluorobenzene	82.4	63.1-141		%REC	1	1/6/2014 9:36:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11888 Analyst: KZ

Percent Moisture	17.9			wt%	1	1/6/2014 1:51:20 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401026
Date Reported: 1/7/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401026-007
Client Sample ID: Area9-Base19-137

Collection Date: 1/6/2014 11:40:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6289 Analyst: JY

Diesel (Fuel Oil)	ND	22.9		mg/Kg-dry	1	1/6/2014 7:08:00 PM
Heavy Oil	ND	57.3		mg/Kg-dry	1	1/6/2014 7:08:00 PM
Surr: 2-Fluorobiphenyl	98.8	50-150		%REC	1	1/6/2014 7:08:00 PM
Surr: o-Terphenyl	99.1	50-150		%REC	1	1/6/2014 7:08:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6292 Analyst: GH

Vinyl chloride	ND	0.00203		mg/Kg-dry	1	1/6/2014 10:03:00 PM
Toluene	ND	0.0203		mg/Kg-dry	1	1/6/2014 10:03:00 PM
Naphthalene	ND	0.0305		mg/Kg-dry	1	1/6/2014 10:03:00 PM
Surr: Dibromofluoromethane	86.5	63.7-129		%REC	1	1/6/2014 10:03:00 PM
Surr: Toluene-d8	103	61.4-128		%REC	1	1/6/2014 10:03:00 PM
Surr: 1-Bromo-4-fluorobenzene	83.0	63.1-141		%REC	1	1/6/2014 10:03:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11888 Analyst: KZ

Percent Moisture	17.6			wt%	1	1/6/2014 1:51:20 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401026

Date Reported: 1/7/2014

Client: PES Environmental, Inc.

Collection Date: 1/6/2014 11:45:00 AM

Project: Former Pace National Property

Lab ID: 1401026-008

Matrix: Soil

Client Sample ID: Area9-Base20-137

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6289

Analyst: JY

Diesel (Fuel Oil)	ND	23.7		mg/Kg-dry	1	1/6/2014 7:36:00 PM
Heavy Oil	ND	59.3		mg/Kg-dry	1	1/6/2014 7:36:00 PM
Surr: 2-Fluorobiphenyl	100	50-150		%REC	1	1/6/2014 7:36:00 PM
Surr: o-Terphenyl	99.8	50-150		%REC	1	1/6/2014 7:36:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6292

Analyst: GH

Vinyl chloride	ND	0.00212		mg/Kg-dry	1	1/6/2014 10:30:00 PM
Toluene	ND	0.0212		mg/Kg-dry	1	1/6/2014 10:30:00 PM
Naphthalene	ND	0.0317		mg/Kg-dry	1	1/6/2014 10:30:00 PM
Surr: Dibromofluoromethane	85.9	63.7-129		%REC	1	1/6/2014 10:30:00 PM
Surr: Toluene-d8	103	61.4-128		%REC	1	1/6/2014 10:30:00 PM
Surr: 1-Bromo-4-fluorobenzene	82.8	63.1-141		%REC	1	1/6/2014 10:30:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11888

Analyst: KZ

Percent Moisture	18.9			wt%	1	1/6/2014 1:51:20 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401026

Date Reported: 1/7/2014

Client: PES Environmental, Inc.

Collection Date: 1/6/2014 12:00:00 PM

Project: Former Pace National Property

Lab ID: 1401026-009

Matrix: Soil

Client Sample ID: Area9-Base21-137

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6289

Analyst: JY

Diesel (Fuel Oil)	ND	24.2		mg/Kg-dry	1	1/6/2014 8:04:00 PM
Heavy Oil	ND	60.4		mg/Kg-dry	1	1/6/2014 8:04:00 PM
Surr: 2-Fluorobiphenyl	100	50-150		%REC	1	1/6/2014 8:04:00 PM
Surr: o-Terphenyl	99.2	50-150		%REC	1	1/6/2014 8:04:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6292

Analyst: GH

Vinyl chloride	ND	0.00239		mg/Kg-dry	1	1/6/2014 10:57:00 PM
Toluene	ND	0.0239		mg/Kg-dry	1	1/6/2014 10:57:00 PM
Naphthalene	ND	0.0359		mg/Kg-dry	1	1/6/2014 10:57:00 PM
Surr: Dibromofluoromethane	85.5	63.7-129		%REC	1	1/6/2014 10:57:00 PM
Surr: Toluene-d8	103	61.4-128		%REC	1	1/6/2014 10:57:00 PM
Surr: 1-Bromo-4-fluorobenzene	83.5	63.1-141		%REC	1	1/6/2014 10:57:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11888

Analyst: KZ

Percent Moisture	18.1			wt%	1	1/6/2014 1:51:20 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401026

Date Reported: 1/7/2014

Client: PES Environmental, Inc.

Collection Date: 1/6/2014 12:15:00 PM

Project: Former Pace National Property

Lab ID: 1401026-010

Matrix: Soil

Client Sample ID: Area9-Base22-138

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6289

Analyst: JY

Diesel (Fuel Oil)	ND	22.6		mg/Kg-dry	1	1/6/2014 8:32:00 PM
Heavy Oil	ND	56.5		mg/Kg-dry	1	1/6/2014 8:32:00 PM
Surr: 2-Fluorobiphenyl	101	50-150		%REC	1	1/6/2014 8:32:00 PM
Surr: o-Terphenyl	100	50-150		%REC	1	1/6/2014 8:32:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6292

Analyst: GH

Vinyl chloride	ND	0.00218		mg/Kg-dry	1	1/6/2014 11:24:00 PM
Toluene	ND	0.0218		mg/Kg-dry	1	1/6/2014 11:24:00 PM
Naphthalene	ND	0.0327		mg/Kg-dry	1	1/6/2014 11:24:00 PM
Surr: Dibromofluoromethane	84.2	63.7-129		%REC	1	1/6/2014 11:24:00 PM
Surr: Toluene-d8	102	61.4-128		%REC	1	1/6/2014 11:24:00 PM
Surr: 1-Bromo-4-fluorobenzene	83.2	63.1-141		%REC	1	1/6/2014 11:24:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11888

Analyst: KZ

Percent Moisture	17.0			wt%	1	1/6/2014 1:51:20 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401026

Date Reported: 1/7/2014

Client: PES Environmental, Inc.

Collection Date: 12/17/2013 2:45:00 PM

Project: Former Pace National Property

Lab ID: 1401026-011

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6292

Analyst: GH

Vinyl chloride	ND	0.00200	H	mg/Kg	1	1/6/2014 5:05:00 PM
Toluene	ND	0.0200	H	mg/Kg	1	1/6/2014 5:05:00 PM
Naphthalene	ND	0.0300	H	mg/Kg	1	1/6/2014 5:05:00 PM
Surr: Dibromofluoromethane	85.5	63.7-129	H	%REC	1	1/6/2014 5:05:00 PM
Surr: Toluene-d8	105	61.4-128	H	%REC	1	1/6/2014 5:05:00 PM
Surr: 1-Bromo-4-fluorobenzene	83.2	63.1-141	H	%REC	1	1/6/2014 5:05:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1401026
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1401026-010ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/6/2014	RunNo: 11901							
Client ID: Area9-Base22-138	Batch ID: 6289		Analysis Date: 1/6/2014	SeqNo: 238219							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	22.8						0		30	
Heavy Oil	ND	57.0						0		30	
Surr: 2-Fluorobiphenyl	22.9		22.82		100	50	150		0		
Surr: o-Terphenyl	22.6		22.82		99.1	50	150		0		

Sample ID: LCS-6289	SampType: LCS	Units: mg/Kg	Prep Date: 1/6/2014	RunNo: 11901							
Client ID: LCSS	Batch ID: 6289		Analysis Date: 1/6/2014	SeqNo: 238232							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	422	20.0	500.0	0	84.5	65	135				
Surr: 2-Fluorobiphenyl	20.0		20.00		99.8	50	150				
Surr: o-Terphenyl	20.0		20.00		100	50	150				

Sample ID: MB-6289	SampType: MBLK	Units: mg/Kg	Prep Date: 1/6/2014	RunNo: 11901							
Client ID: MBLKS	Batch ID: 6289		Analysis Date: 1/6/2014	SeqNo: 238233							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	19.8		20.00		99.0	50	150				
Surr: o-Terphenyl	19.8		20.00		98.8	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401026
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1401026-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/6/2014	RunNo: 11900							
Client ID: Area9-Base13-136	Batch ID: 6292		Analysis Date: 1/6/2014	SeqNo: 238191							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.00225						0		30	
Toluene	ND	0.0225						0		30	
Naphthalene	ND	0.0338						0		30	
Surr: Dibromofluoromethane	2.40		2.814		85.2	63.7	129		0		
Surr: Toluene-d8	2.96		2.814		105	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.39		2.814		85.0	63.1	141		0		

Sample ID: 1401026-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/6/2014	RunNo: 11900							
Client ID: Area9-Base14-136	Batch ID: 6292		Analysis Date: 1/6/2014	SeqNo: 238193							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	1.31	0.00239	1.193	0	110	51.2	146				
Toluene	1.33	0.0239	1.193	0	111	63.4	132				
Naphthalene	1.33	0.0358	1.193	0	112	52.3	124				
Surr: Dibromofluoromethane	2.75		2.984		92.1	63.7	129				
Surr: Toluene-d8	3.26		2.984		109	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.64		2.984		88.3	63.1	141				

Sample ID: LCS-6292	SampType: LCS	Units: mg/Kg	Prep Date: 1/6/2014	RunNo: 11900							
Client ID: LCSS	Batch ID: 6292		Analysis Date: 1/6/2014	SeqNo: 238207							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	0.886	0.00200	1.000	0	88.6	56.1	130				
Toluene	1.04	0.0200	1.000	0	104	80.9	124				
Naphthalene	1.05	0.0300	1.000	0	105	64	130				
Surr: Dibromofluoromethane	2.21		2.500		88.4	63.7	129				
Surr: Toluene-d8	2.68		2.500		107	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.18		2.500		87.4	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401026
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6292	SampType: LCS	Units: mg/Kg	Prep Date: 1/6/2014	RunNo: 11900							
Client ID: LCSS	Batch ID: 6292	Analysis Date: 1/6/2014	SeqNo: 238207								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: MB-6292	SampType: MBLK	Units: mg/Kg	Prep Date: 1/6/2014	RunNo: 11900							
Client ID: MBLKS	Batch ID: 6292	Analysis Date: 1/6/2014	SeqNo: 238208								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.00200									
Toluene	ND	0.0200									
Naphthalene	ND	0.0300									
Surr: Dibromofluoromethane	2.16		2.500		86.4	63.7	129				
Surr: Toluene-d8	2.58		2.500		103	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.10		2.500		83.9	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **PES**
 Logged by: **Clare Griggs**

Work Order Number: **1401026**
 Date Received: **1/6/2014 1:30:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 5. Custody seals intact on shipping container/cooler? Yes No Not Required
 6. Was an attempt made to cool the samples? Yes No NA
 7. Were all coolers received at a temperature of >0°C to 10.0°C? Yes No NA
 8. Sample(s) in proper container(s)? Yes No
 9. Sufficient sample volume for indicated test(s)? Yes No
 10. Are samples properly preserved? Yes No
 11. Was preservative added to bottles? Yes No NA
 12. Is the headspace in the VOA vials? Yes No NA
 13. Did all samples containers arrive in good condition(unbroken)? Yes No
 14. Does paperwork match bottle labels? Yes No
 15. Are matrices correctly identified on Chain of Custody? Yes No
 16. Is it clear what analyses were requested? Yes No
 17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C	Condition
Cooler	4.9	Good
Sample	6.7	Good



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Kelly Rankich
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Former Pace National Property
Lab ID: 1401040

January 08, 2014

Attention Kelly Rankich:

Fremont Analytical, Inc. received 14 sample(s) on 1/7/2014 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal



Date: 01/08/2014

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property
Lab Order: 1401040

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1401040-001	Area9-Base23-140	01/07/2014 10:40 AM	01/07/2014 1:52 PM
1401040-002	Area9-Base24-140	01/07/2014 10:50 AM	01/07/2014 1:52 PM
1401040-003	Area9-Base25-141	01/07/2014 11:00 AM	01/07/2014 1:52 PM
1401040-004	Area9-Base26-142	01/07/2014 11:10 AM	01/07/2014 1:52 PM
1401040-005	Area9-Base27-142	01/07/2014 11:20 AM	01/07/2014 1:52 PM
1401040-006	Area9-Base28-141	01/07/2014 11:30 AM	01/07/2014 1:52 PM
1401040-007	Area9-Base29-142	01/07/2014 11:40 AM	01/07/2014 1:52 PM
1401040-008	Area9-Base30-142	01/07/2014 11:50 AM	01/07/2014 1:52 PM
1401040-009	Area9-Base31-142	01/07/2014 12:00 PM	01/07/2014 1:52 PM
1401040-010	Area9-NSW2-143	01/07/2014 12:15 PM	01/07/2014 1:52 PM
1401040-011	Area9-ESW1-144	01/07/2014 12:30 PM	01/07/2014 1:52 PM
1401040-012	Area9-SSW1-144	01/07/2014 12:45 PM	01/07/2014 1:52 PM
1401040-013	Area9-SSW2-143	01/07/2014 1:00 PM	01/07/2014 1:52 PM
1401040-014	Trip Blank	12/20/2013 1:52 PM	01/07/2014 1:52 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401040-001A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401040-002A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401040-003A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401040-004A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401040-005A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401040-006A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401040-007A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401040-008A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401040-009A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401040-010A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401040-011A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401040-012A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401040-013A) required Silica Gel Cleanup Procedure (Using Method No 3630C).



Analytical Report

WO#: 1401040
Date Reported: 1/8/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401040-001
Client Sample ID: Area9-Base23-140

Collection Date: 1/7/2014 10:40:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6299 Analyst: BR

Diesel (Fuel Oil)	ND	24.8		mg/Kg-dry	1	1/7/2014 10:14:00 PM
Heavy Oil	ND	62.1		mg/Kg-dry	1	1/7/2014 10:14:00 PM
Surr: 2-Fluorobiphenyl	97.5	50-150		%REC	1	1/7/2014 10:14:00 PM
Surr: o-Terphenyl	95.4	50-150		%REC	1	1/7/2014 10:14:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304 Analyst: EM

Vinyl chloride	ND	0.00270		mg/Kg-dry	1	1/7/2014 8:12:00 PM
Toluene	ND	0.0270		mg/Kg-dry	1	1/7/2014 8:12:00 PM
Naphthalene	ND	0.0405		mg/Kg-dry	1	1/7/2014 8:12:00 PM
Surr: Dibromofluoromethane	84.5	63.7-129		%REC	1	1/7/2014 8:12:00 PM
Surr: Toluene-d8	104	61.4-128		%REC	1	1/7/2014 8:12:00 PM
Surr: 1-Bromo-4-fluorobenzene	84.0	63.1-141		%REC	1	1/7/2014 8:12:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11916 Analyst: KZ

Percent Moisture	21.5			wt%	1	1/7/2014 4:33:34 PM
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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



Analytical Report

WO#: 1401040
Date Reported: 1/8/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401040-002
Client Sample ID: Area9-Base24-140

Collection Date: 1/7/2014 10:50:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6299 Analyst: BR

Diesel (Fuel Oil)	ND	24.2		mg/Kg-dry	1	1/7/2014 10:42:00 PM
Heavy Oil	ND	60.4		mg/Kg-dry	1	1/7/2014 10:42:00 PM
Surr: 2-Fluorobiphenyl	97.5	50-150		%REC	1	1/7/2014 10:42:00 PM
Surr: o-Terphenyl	95.2	50-150		%REC	1	1/7/2014 10:42:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304 Analyst: EM

Vinyl chloride	ND	0.00237		mg/Kg-dry	1	1/7/2014 9:06:00 PM
Toluene	ND	0.0237		mg/Kg-dry	1	1/7/2014 9:06:00 PM
Naphthalene	ND	0.0355		mg/Kg-dry	1	1/7/2014 9:06:00 PM
Surr: Dibromofluoromethane	86.3	63.7-129		%REC	1	1/7/2014 9:06:00 PM
Surr: Toluene-d8	106	61.4-128		%REC	1	1/7/2014 9:06:00 PM
Surr: 1-Bromo-4-fluorobenzene	84.1	63.1-141		%REC	1	1/7/2014 9:06:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11916 Analyst: KZ

Percent Moisture	20.9			wt%	1	1/7/2014 4:33:34 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401040
Date Reported: 1/8/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401040-003
Client Sample ID: Area9-Base25-141

Collection Date: 1/7/2014 11:00:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6299 Analyst: BR

Diesel (Fuel Oil)	ND	23.1		mg/Kg-dry	1	1/7/2014 11:09:00 PM
Heavy Oil	ND	57.9		mg/Kg-dry	1	1/7/2014 11:09:00 PM
Surr: 2-Fluorobiphenyl	97.8	50-150		%REC	1	1/7/2014 11:09:00 PM
Surr: o-Terphenyl	95.5	50-150		%REC	1	1/7/2014 11:09:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304 Analyst: EM

Vinyl chloride	ND	0.00202		mg/Kg-dry	1	1/7/2014 10:55:00 PM
Toluene	ND	0.0202		mg/Kg-dry	1	1/7/2014 10:55:00 PM
Naphthalene	ND	0.0303		mg/Kg-dry	1	1/7/2014 10:55:00 PM
Surr: Dibromofluoromethane	86.3	63.7-129		%REC	1	1/7/2014 10:55:00 PM
Surr: Toluene-d8	104	61.4-128		%REC	1	1/7/2014 10:55:00 PM
Surr: 1-Bromo-4-fluorobenzene	85.6	63.1-141		%REC	1	1/7/2014 10:55:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11916 Analyst: KZ

Percent Moisture	18.3			wt%	1	1/7/2014 4:33:34 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401040

Date Reported: 1/8/2014

Client: PES Environmental, Inc.

Collection Date: 1/7/2014 11:10:00 AM

Project: Former Pace National Property

Lab ID: 1401040-004

Matrix: Soil

Client Sample ID: Area9-Base26-142

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6299

Analyst: BR

Diesel (Fuel Oil)	ND	23.8		mg/Kg-dry	1	1/7/2014 11:37:00 PM
Heavy Oil	ND	59.6		mg/Kg-dry	1	1/7/2014 11:37:00 PM
Surr: 2-Fluorobiphenyl	95.5	50-150		%REC	1	1/7/2014 11:37:00 PM
Surr: o-Terphenyl	94.8	50-150		%REC	1	1/7/2014 11:37:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304

Analyst: EM

Vinyl chloride	ND	0.00262		mg/Kg-dry	1	1/7/2014 11:22:00 PM
Toluene	ND	0.0262		mg/Kg-dry	1	1/7/2014 11:22:00 PM
Naphthalene	ND	0.0393		mg/Kg-dry	1	1/7/2014 11:22:00 PM
Surr: Dibromofluoromethane	84.2	63.7-129		%REC	1	1/7/2014 11:22:00 PM
Surr: Toluene-d8	104	61.4-128		%REC	1	1/7/2014 11:22:00 PM
Surr: 1-Bromo-4-fluorobenzene	84.3	63.1-141		%REC	1	1/7/2014 11:22:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11916

Analyst: KZ

Percent Moisture	21.1			wt%	1	1/7/2014 4:33:34 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401040
Date Reported: 1/8/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401040-005
Client Sample ID: Area9-Base27-142

Collection Date: 1/7/2014 11:20:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6299 Analyst: BR

Diesel (Fuel Oil)	ND	24.3		mg/Kg-dry	1	1/8/2014 12:05:00 AM
Heavy Oil	ND	60.9		mg/Kg-dry	1	1/8/2014 12:05:00 AM
Surr: 2-Fluorobiphenyl	97.3	50-150		%REC	1	1/8/2014 12:05:00 AM
Surr: o-Terphenyl	96.3	50-150		%REC	1	1/8/2014 12:05:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304 Analyst: EM

Vinyl chloride	ND	0.00250		mg/Kg-dry	1	1/7/2014 11:49:00 PM
Toluene	ND	0.0250		mg/Kg-dry	1	1/7/2014 11:49:00 PM
Naphthalene	ND	0.0375		mg/Kg-dry	1	1/7/2014 11:49:00 PM
Surr: Dibromofluoromethane	84.4	63.7-129		%REC	1	1/7/2014 11:49:00 PM
Surr: Toluene-d8	103	61.4-128		%REC	1	1/7/2014 11:49:00 PM
Surr: 1-Bromo-4-fluorobenzene	84.7	63.1-141		%REC	1	1/7/2014 11:49:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11916 Analyst: KZ

Percent Moisture	21.2			wt%	1	1/7/2014 4:33:34 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401040
Date Reported: 1/8/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401040-006
Client Sample ID: Area9-Base28-141

Collection Date: 1/7/2014 11:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6299 Analyst: BR

Diesel (Fuel Oil)	ND	22.6		mg/Kg-dry	1	1/8/2014 12:33:00 AM
Heavy Oil	ND	56.5		mg/Kg-dry	1	1/8/2014 12:33:00 AM
Surr: 2-Fluorobiphenyl	97.7	50-150		%REC	1	1/8/2014 12:33:00 AM
Surr: o-Terphenyl	95.5	50-150		%REC	1	1/8/2014 12:33:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304 Analyst: EM

Vinyl chloride	ND	0.00210		mg/Kg-dry	1	1/8/2014 12:16:00 AM
Toluene	ND	0.0210		mg/Kg-dry	1	1/8/2014 12:16:00 AM
Naphthalene	ND	0.0315		mg/Kg-dry	1	1/8/2014 12:16:00 AM
Surr: Dibromofluoromethane	85.1	63.7-129		%REC	1	1/8/2014 12:16:00 AM
Surr: Toluene-d8	104	61.4-128		%REC	1	1/8/2014 12:16:00 AM
Surr: 1-Bromo-4-fluorobenzene	83.7	63.1-141		%REC	1	1/8/2014 12:16:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11916 Analyst: KZ

Percent Moisture	15.0			wt%	1	1/7/2014 4:33:34 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401040
Date Reported: 1/8/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401040-007
Client Sample ID: Area9-Base29-142

Collection Date: 1/7/2014 11:40:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6299 Analyst: BR

Diesel (Fuel Oil)	ND	22.8		mg/Kg-dry	1	1/8/2014 1:01:00 AM
Heavy Oil	ND	57.0		mg/Kg-dry	1	1/8/2014 1:01:00 AM
Surr: 2-Fluorobiphenyl	98.0	50-150		%REC	1	1/8/2014 1:01:00 AM
Surr: o-Terphenyl	95.3	50-150		%REC	1	1/8/2014 1:01:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304 Analyst: EM

Vinyl chloride	ND	0.00206		mg/Kg-dry	1	1/8/2014 12:43:00 AM
Toluene	ND	0.0206		mg/Kg-dry	1	1/8/2014 12:43:00 AM
Naphthalene	ND	0.0309		mg/Kg-dry	1	1/8/2014 12:43:00 AM
Surr: Dibromofluoromethane	83.1	63.7-129		%REC	1	1/8/2014 12:43:00 AM
Surr: Toluene-d8	104	61.4-128		%REC	1	1/8/2014 12:43:00 AM
Surr: 1-Bromo-4-fluorobenzene	84.3	63.1-141		%REC	1	1/8/2014 12:43:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11916 Analyst: KZ

Percent Moisture	17.6			wt%	1	1/7/2014 4:33:34 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401040
Date Reported: 1/8/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401040-008
Client Sample ID: Area9-Base30-142

Collection Date: 1/7/2014 11:50:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6299 Analyst: BR

Diesel (Fuel Oil)	ND	23.4		mg/Kg-dry	1	1/8/2014 1:29:00 AM
Heavy Oil	ND	58.6		mg/Kg-dry	1	1/8/2014 1:29:00 AM
Surr: 2-Fluorobiphenyl	99.4	50-150		%REC	1	1/8/2014 1:29:00 AM
Surr: o-Terphenyl	97.5	50-150		%REC	1	1/8/2014 1:29:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304 Analyst: EM

Vinyl chloride	ND	0.00216		mg/Kg-dry	1	1/8/2014 1:10:00 AM
Toluene	ND	0.0216		mg/Kg-dry	1	1/8/2014 1:10:00 AM
Naphthalene	ND	0.0324		mg/Kg-dry	1	1/8/2014 1:10:00 AM
Surr: Dibromofluoromethane	84.8	63.7-129		%REC	1	1/8/2014 1:10:00 AM
Surr: Toluene-d8	104	61.4-128		%REC	1	1/8/2014 1:10:00 AM
Surr: 1-Bromo-4-fluorobenzene	83.8	63.1-141		%REC	1	1/8/2014 1:10:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11916 Analyst: KZ

Percent Moisture	18.3			wt%	1	1/7/2014 4:33:34 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401040

Date Reported: 1/8/2014

Client: PES Environmental, Inc.

Collection Date: 1/7/2014 12:00:00 PM

Project: Former Pace National Property

Lab ID: 1401040-009

Matrix: Soil

Client Sample ID: Area9-Base31-142

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6299

Analyst: BR

Diesel (Fuel Oil)	ND	23.8		mg/Kg-dry	1	1/8/2014 1:57:00 AM
Heavy Oil	ND	59.6		mg/Kg-dry	1	1/8/2014 1:57:00 AM
Surr: 2-Fluorobiphenyl	96.4	50-150		%REC	1	1/8/2014 1:57:00 AM
Surr: o-Terphenyl	95.3	50-150		%REC	1	1/8/2014 1:57:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304

Analyst: EM

Vinyl chloride	ND	0.00245		mg/Kg-dry	1	1/8/2014 1:37:00 AM
Toluene	ND	0.0245		mg/Kg-dry	1	1/8/2014 1:37:00 AM
Naphthalene	ND	0.0368		mg/Kg-dry	1	1/8/2014 1:37:00 AM
Surr: Dibromofluoromethane	83.4	63.7-129		%REC	1	1/8/2014 1:37:00 AM
Surr: Toluene-d8	103	61.4-128		%REC	1	1/8/2014 1:37:00 AM
Surr: 1-Bromo-4-fluorobenzene	84.3	63.1-141		%REC	1	1/8/2014 1:37:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11916

Analyst: KZ

Percent Moisture	18.2			wt%	1	1/7/2014 4:33:34 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401040
Date Reported: 1/8/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401040-010
Client Sample ID: Area9-NSW2-143

Collection Date: 1/7/2014 12:15:00 PM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6299 Analyst: BR

Diesel (Fuel Oil)	ND	23.6		mg/Kg-dry	1	1/8/2014 2:25:00 AM
Heavy Oil	ND	59.1		mg/Kg-dry	1	1/8/2014 2:25:00 AM
Surr: 2-Fluorobiphenyl	98.0	50-150		%REC	1	1/8/2014 2:25:00 AM
Surr: o-Terphenyl	95.9	50-150		%REC	1	1/8/2014 2:25:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304 Analyst: EM

Vinyl chloride	ND	0.00246		mg/Kg-dry	1	1/8/2014 2:04:00 AM
Toluene	ND	0.0246		mg/Kg-dry	1	1/8/2014 2:04:00 AM
Naphthalene	ND	0.0369		mg/Kg-dry	1	1/8/2014 2:04:00 AM
Surr: Dibromofluoromethane	87.4	63.7-129		%REC	1	1/8/2014 2:04:00 AM
Surr: Toluene-d8	103	61.4-128		%REC	1	1/8/2014 2:04:00 AM
Surr: 1-Bromo-4-fluorobenzene	83.5	63.1-141		%REC	1	1/8/2014 2:04:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11916 Analyst: KZ

Percent Moisture	19.8			wt%	1	1/7/2014 4:33:34 PM
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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



Analytical Report

WO#: 1401040

Date Reported: 1/8/2014

Client: PES Environmental, Inc.

Collection Date: 1/7/2014 12:30:00 PM

Project: Former Pace National Property

Lab ID: 1401040-011

Matrix: Soil

Client Sample ID: Area9-ESW1-144

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6299

Analyst: BR

Diesel (Fuel Oil)	ND	24.3		mg/Kg-dry	1	1/8/2014 2:53:00 AM
Heavy Oil	ND	60.7		mg/Kg-dry	1	1/8/2014 2:53:00 AM
Surr: 2-Fluorobiphenyl	97.4	50-150		%REC	1	1/8/2014 2:53:00 AM
Surr: o-Terphenyl	95.7	50-150		%REC	1	1/8/2014 2:53:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304

Analyst: EM

Vinyl chloride	ND	0.00238		mg/Kg-dry	1	1/8/2014 2:31:00 AM
Toluene	ND	0.0238		mg/Kg-dry	1	1/8/2014 2:31:00 AM
Naphthalene	ND	0.0357		mg/Kg-dry	1	1/8/2014 2:31:00 AM
Surr: Dibromofluoromethane	85.0	63.7-129		%REC	1	1/8/2014 2:31:00 AM
Surr: Toluene-d8	103	61.4-128		%REC	1	1/8/2014 2:31:00 AM
Surr: 1-Bromo-4-fluorobenzene	83.6	63.1-141		%REC	1	1/8/2014 2:31:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11916

Analyst: KZ

Percent Moisture	20.0			wt%	1	1/7/2014 4:33:34 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401040
Date Reported: 1/8/2014

Client: PES Environmental, Inc.
Project: Former Pace National Property
Lab ID: 1401040-012
Client Sample ID: Area9-SSW1-144

Collection Date: 1/7/2014 12:45:00 PM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6299 Analyst: BR

Diesel (Fuel Oil)	ND	24.4		mg/Kg-dry	1	1/8/2014 3:21:00 AM
Heavy Oil	ND	60.9		mg/Kg-dry	1	1/8/2014 3:21:00 AM
Surr: 2-Fluorobiphenyl	96.2	50-150		%REC	1	1/8/2014 3:21:00 AM
Surr: o-Terphenyl	95.4	50-150		%REC	1	1/8/2014 3:21:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304 Analyst: EM

Vinyl chloride	ND	0.00247		mg/Kg-dry	1	1/8/2014 2:59:00 AM
Toluene	ND	0.0247		mg/Kg-dry	1	1/8/2014 2:59:00 AM
Naphthalene	ND	0.0371		mg/Kg-dry	1	1/8/2014 2:59:00 AM
Surr: Dibromofluoromethane	84.1	63.7-129		%REC	1	1/8/2014 2:59:00 AM
Surr: Toluene-d8	103	61.4-128		%REC	1	1/8/2014 2:59:00 AM
Surr: 1-Bromo-4-fluorobenzene	83.9	63.1-141		%REC	1	1/8/2014 2:59:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11916 Analyst: KZ

Percent Moisture	21.7			wt%	1	1/7/2014 4:33:34 PM
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit
D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401040

Date Reported: 1/8/2014

Client: PES Environmental, Inc.

Collection Date: 1/7/2014 1:00:00 PM

Project: Former Pace National Property

Lab ID: 1401040-013

Matrix: Soil

Client Sample ID: Area9-SSW2-143

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6299

Analyst: BR

Diesel (Fuel Oil)	ND	21.9		mg/Kg-dry	1	1/8/2014 3:48:00 AM
Heavy Oil	ND	54.8		mg/Kg-dry	1	1/8/2014 3:48:00 AM
Surr: 2-Fluorobiphenyl	98.7	50-150		%REC	1	1/8/2014 3:48:00 AM
Surr: o-Terphenyl	96.3	50-150		%REC	1	1/8/2014 3:48:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304

Analyst: EM

Vinyl chloride	ND	0.00203		mg/Kg-dry	1	1/8/2014 3:26:00 AM
Toluene	ND	0.0203		mg/Kg-dry	1	1/8/2014 3:26:00 AM
Naphthalene	ND	0.0304		mg/Kg-dry	1	1/8/2014 3:26:00 AM
Surr: Dibromofluoromethane	83.9	63.7-129		%REC	1	1/8/2014 3:26:00 AM
Surr: Toluene-d8	102	61.4-128		%REC	1	1/8/2014 3:26:00 AM
Surr: 1-Bromo-4-fluorobenzene	83.2	63.1-141		%REC	1	1/8/2014 3:26:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R11916

Analyst: KZ

Percent Moisture	9.99			wt%	1	1/7/2014 4:33:34 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 12/20/2013 1:52:00 PM

Project: Former Pace National Property

Lab ID: 1401040-014

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6304

Analyst: EM

Vinyl chloride	ND	0.00200	H	mg/Kg	1	1/7/2014 7:45:00 PM
Toluene	ND	0.0200	H	mg/Kg	1	1/7/2014 7:45:00 PM
Naphthalene	ND	0.0300	H	mg/Kg	1	1/7/2014 7:45:00 PM
Surr: Dibromofluoromethane	85.8	63.7-129	H	%REC	1	1/7/2014 7:45:00 PM
Surr: Toluene-d8	104	61.4-128	H	%REC	1	1/7/2014 7:45:00 PM
Surr: 1-Bromo-4-fluorobenzene	84.6	63.1-141	H	%REC	1	1/7/2014 7:45:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1401040
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1401040-013ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/7/2014	RunNo: 11919							
Client ID: Area9-SSW2-143	Batch ID: 6299		Analysis Date: 1/8/2014	SeqNo: 238536							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	21.6						0		30	
Heavy Oil	ND	54.0						0		30	
Surr: 2-Fluorobiphenyl	20.7		21.62		96.0	50	150		0		
Surr: o-Terphenyl	20.6		21.62		95.2	50	150		0		

Sample ID: LCS-6299	SampType: LCS	Units: mg/Kg	Prep Date: 1/7/2014	RunNo: 11919							
Client ID: LCSS	Batch ID: 6299		Analysis Date: 1/7/2014	SeqNo: 238553							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	424	20.0	500.0	0	84.7	65	135				
Surr: 2-Fluorobiphenyl	19.0		20.00		94.8	50	150				
Surr: o-Terphenyl	18.8		20.00		94.2	50	150				

Sample ID: MB-6299	SampType: MBLK	Units: mg/Kg	Prep Date: 1/7/2014	RunNo: 11919							
Client ID: MBLKS	Batch ID: 6299		Analysis Date: 1/7/2014	SeqNo: 238554							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	19.2		20.00		96.1	50	150				
Surr: o-Terphenyl	18.9		20.00		94.3	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401040
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1401040-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/7/2014	RunNo: 11918							
Client ID: Area9-Base23-140	Batch ID: 6304		Analysis Date: 1/7/2014	SeqNo: 238511							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.00270						0		30	
Toluene	ND	0.0270						0		30	
Naphthalene	ND	0.0405						0		30	
Surr: Dibromofluoromethane	2.85		3.374		84.4	63.7	129		0		
Surr: Toluene-d8	3.52		3.374		104	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.84		3.374		84.2	63.1	141		0		

Sample ID: 1401040-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/7/2014	RunNo: 11918							
Client ID: Area9-Base24-140	Batch ID: 6304		Analysis Date: 1/7/2014	SeqNo: 238513							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	1.18	0.00237	1.183	0	99.6	51.2	146				
Toluene	1.22	0.0237	1.183	0	103	63.4	132				
Naphthalene	1.29	0.0355	1.183	0	109	52.3	124				
Surr: Dibromofluoromethane	2.64		2.958		89.3	63.7	129				
Surr: Toluene-d8	3.18		2.958		108	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.68		2.958		90.4	63.1	141				

Sample ID: LCS-6304	SampType: LCS	Units: mg/Kg	Prep Date: 1/7/2014	RunNo: 11918							
Client ID: LCSS	Batch ID: 6304		Analysis Date: 1/7/2014	SeqNo: 238528							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	0.860	0.00200	1.000	0	86.1	56.1	130				
Toluene	0.992	0.0200	1.000	0	99.2	80.9	124				
Naphthalene	1.09	0.0300	1.000	0	109	64	130				
Surr: Dibromofluoromethane	2.26		2.500		90.4	63.7	129				
Surr: Toluene-d8	2.75		2.500		110	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.25		2.500		89.9	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401040
CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6304	SampType: LCS	Units: mg/Kg	Prep Date: 1/7/2014	RunNo: 11918							
Client ID: LCSS	Batch ID: 6304	Analysis Date: 1/7/2014	SeqNo: 238528								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: MB-6304	SampType: MBLK	Units: mg/Kg	Prep Date: 1/7/2014	RunNo: 11918							
Client ID: MBLKS	Batch ID: 6304	Analysis Date: 1/7/2014	SeqNo: 238529								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.00200									
Toluene	ND	0.0200									
Naphthalene	ND	0.0300									
Surr: Dibromofluoromethane	2.12		2.500		84.7	63.7	129				
Surr: Toluene-d8	2.65		2.500		106	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.13		2.500		85.1	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: PES	Work Order Number: 1401040
Logged by: Chelsea Ward	Date Received: 1/7/2014 1:52:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody seals intact on shipping container/cooler? Yes No Not Required
6. Was an attempt made to cool the samples? Yes No NA
7. Were all coolers received at a temperature of >0°C to 10.0°C Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is the headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C	Condition
Cooler	8.8	Good
Sample	8.5	Good



Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Client: **PES ENVIRONMENTAL, INC.**
Address: **1725 4th Avenue Ste 1350**
City, State, Zip: **Seattle, WA 98161**
Tel: **206-529-3980**

Project Name: **Former Pace National Property**
Location: **Kirkland, WA**
Collected by: **Karsten Springsstead**

Reports To (PM): **Kelly Rankich**
Email: **K.Rankich@pension.com**
Project No: **1006.008.03.001**

Chain of Custody Record

Laboratory Project No (Internal): **1401040**
Page: **1** of: **2**

Date: **1-7-13**

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Comments/Depth
1 Area 9-Base 23-140	1-7-14	1040	Soil	
2 Area 9-Base 24-140		1050		
3 Area 9-Base 25-141		1100		
4 Area 9-Base 26-142		1110		
5 Area 9-Base 27-142		1120		
6 Area 9-Base 28-141		1130		
7 Area 9-Base 29-142		1140		
8 Area 9-Base 30-142		1150		
9 Area 9-Base 31-142		1200		
10 Area 9-NSW 2-143		1215		

Metals Analysis (Circle)	MICA-5	FCPA-8	Priority Pollutants	TAL	Individual: Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Sn, Tl, U, V, Zn
☐ Anions (Circle)					
☐ Nitrate					
☐ Nitrite					
☐ Chloride					
☐ Sulfate					
☐ Bromide					
☐ Iodide					
☐ Phosphate					
☐ Fluoride					
☐ Nitrate+Nitrite					

Special Remarks:
FUSH Report to M&S EPP in Elm Parment TAT

Revised: **1-7-14/1400**
Date/Time: **1-7-14 1352**

Retrieved: **Kelly Rankich**
Date/Time: **1-7-14 1352**

Retrieved: **Kelly Rankich**
Date/Time: **1-7-14 1352**



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Dan Balbiani
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Pace Former National
Lab ID: 1401227

January 29, 2014

Attention Dan Balbiani:

Fremont Analytical, Inc. received 8 sample(s) on 1/28/2014 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee
Sr. Chemist / Principal

CC:
Kelly Rankich



Date: 01/30/2014

CLIENT: PES Environmental, Inc.
Project: Pace Former National
Lab Order: 1401227

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1401227-001	Area3-SESW-8	01/28/2014 8:51 AM	01/28/2014 11:09 AM
1401227-002	Area3-Base01-10	01/28/2014 9:04 AM	01/28/2014 11:09 AM
1401227-003	Area3-ESW-8	01/28/2014 9:11 AM	01/28/2014 11:09 AM
1401227-004	Area3-NSW-8	01/28/2014 9:33 AM	01/28/2014 11:09 AM
1401227-005	Area3-NESW-8	01/28/2014 9:46 AM	01/28/2014 11:09 AM
1401227-006	Area3-Base2-10	01/28/2014 9:54 AM	01/28/2014 11:09 AM
1401227-007	Area3-Base3-10	01/28/2014 10:00 AM	01/28/2014 11:09 AM
1401227-008	Trip Blank	12/13/2013 12:40 PM	01/28/2014 11:09 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.
Project: Pace Former National

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401227-001A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401227-002A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401227-003A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401227-004A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401227-005A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401227-006A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Prep Comments for METHOD (PREP-DX-S), SAMPLE (1401227-007A) required Silica Gel Cleanup Procedure (Using Method No 3630C).



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 8:51:00 AM

Project: Pace Former National

Lab ID: 1401227-001

Matrix: Soil

Client Sample ID: Area3-SESW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6457

Analyst: BR

Diesel (Fuel Oil)	ND	22.2		mg/Kg-dry	1	1/28/2014 7:57:00 PM
Heavy Oil	ND	55.5		mg/Kg-dry	1	1/28/2014 7:57:00 PM
Surr: 2-Fluorobiphenyl	103	50-150		%REC	1	1/28/2014 7:57:00 PM
Surr: o-Terphenyl	103	50-150		%REC	1	1/28/2014 7:57:00 PM

Gasoline by NWTPH-Gx

Batch ID: R12240

Analyst: EM

Gasoline	ND	4.88		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Surr: Toluene-d8	101	65-135		%REC	1	1/29/2014 4:46:00 AM
Surr: 4-Bromofluorobenzene	95.1	65-135		%REC	1	1/29/2014 4:46:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0585		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Chloromethane	ND	0.0585		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Vinyl chloride	ND	0.00195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Bromomethane	ND	0.0878		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0488		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Chloroethane	ND	0.0585		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,1-Dichloroethene	ND	0.0488		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Methylene chloride	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
trans-1,2-Dichloroethene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0488		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,1-Dichloroethane	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
2,2-Dichloropropane	ND	0.0488		mg/Kg-dry	1	1/29/2014 4:46:00 AM
cis-1,2-Dichloroethene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Chloroform	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,1-Dichloropropene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Carbon tetrachloride	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,2-Dichloroethane (EDC)	ND	0.0293		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Benzene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Trichloroethene (TCE)	ND	0.0293		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,2-Dichloropropane	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Bromodichloromethane	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 8:51:00 AM

Project: Pace Former National

Lab ID: 1401227-001

Matrix: Soil

Client Sample ID: Area3-SESW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Dibromomethane	ND	0.0390		mg/Kg-dry	1	1/29/2014 4:46:00 AM
cis-1,3-Dichloropropene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Toluene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
trans-1,3-Dichloropropylene	ND	0.0293		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,1,2-Trichloroethane	ND	0.0293		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,3-Dichloropropane	ND	0.0488		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Tetrachloroethene (PCE)	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Dibromochloromethane	ND	0.0293		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,2-Dibromoethane (EDB)	ND	0.00488		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Chlorobenzene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0293		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Ethylbenzene	ND	0.0293		mg/Kg-dry	1	1/29/2014 4:46:00 AM
m,p-Xylene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
o-Xylene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Styrene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Isopropylbenzene	ND	0.0781		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Bromoform	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
n-Propylbenzene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Bromobenzene	ND	0.0293		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,3,5-Trimethylbenzene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
2-Chlorotoluene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
4-Chlorotoluene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
tert-Butylbenzene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,2,3-Trichloropropane	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,2,4-Trichlorobenzene	ND	0.0488		mg/Kg-dry	1	1/29/2014 4:46:00 AM
sec-Butylbenzene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
4-Isopropyltoluene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,3-Dichlorobenzene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,4-Dichlorobenzene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
n-Butylbenzene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,2-Dichlorobenzene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0293		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,2,4-Trimethylbenzene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Hexachlorobutadiene	ND	0.0976		mg/Kg-dry	1	1/29/2014 4:46:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 8:51:00 AM

Project: Pace Former National

Lab ID: 1401227-001

Matrix: Soil

Client Sample ID: Area3-SESW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Naphthalene	ND	0.0293		mg/Kg-dry	1	1/29/2014 4:46:00 AM
1,2,3-Trichlorobenzene	ND	0.0195		mg/Kg-dry	1	1/29/2014 4:46:00 AM
Surr: Dibromofluoromethane	95.5	63.7-129		%REC	1	1/29/2014 4:46:00 AM
Surr: Toluene-d8	102	61.4-128		%REC	1	1/29/2014 4:46:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	1/29/2014 4:46:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R12235

Analyst: KAS

Percent Moisture	16.4			wt%	1	1/28/2014 3:59:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:04:00 AM

Project: Pace Former National

Lab ID: 1401227-002

Matrix: Soil

Client Sample ID: Area3-Base01-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6457

Analyst: BR

Diesel (Fuel Oil)	ND	22.2		mg/Kg-dry	1	1/28/2014 8:53:00 PM
Heavy Oil	ND	55.5		mg/Kg-dry	1	1/28/2014 8:53:00 PM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	1/28/2014 8:53:00 PM
Surr: o-Terphenyl	105	50-150		%REC	1	1/28/2014 8:53:00 PM

Gasoline by NWTPH-Gx

Batch ID: R12240

Analyst: EM

Gasoline	ND	4.99		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Surr: Toluene-d8	101	65-135		%REC	1	1/29/2014 5:14:00 AM
Surr: 4-Bromofluorobenzene	94.3	65-135		%REC	1	1/29/2014 5:14:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0598		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Chloromethane	ND	0.0598		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Vinyl chloride	ND	0.00199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Bromomethane	ND	0.0898		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0499		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Chloroethane	ND	0.0598		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,1-Dichloroethene	ND	0.0499		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Methylene chloride	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
trans-1,2-Dichloroethene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0499		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,1-Dichloroethane	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
2,2-Dichloropropane	ND	0.0499		mg/Kg-dry	1	1/29/2014 5:14:00 AM
cis-1,2-Dichloroethene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Chloroform	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,1-Dichloropropene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Carbon tetrachloride	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,2-Dichloroethane (EDC)	ND	0.0299		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Benzene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Trichloroethene (TCE)	ND	0.0299		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,2-Dichloropropane	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Bromodichloromethane	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:04:00 AM

Project: Pace Former National

Lab ID: 1401227-002

Matrix: Soil

Client Sample ID: Area3-Base01-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Dibromomethane	ND	0.0399		mg/Kg-dry	1	1/29/2014 5:14:00 AM
cis-1,3-Dichloropropene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Toluene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
trans-1,3-Dichloropropylene	ND	0.0299		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,1,2-Trichloroethane	ND	0.0299		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,3-Dichloropropane	ND	0.0499		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Tetrachloroethene (PCE)	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Dibromochloromethane	ND	0.0299		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,2-Dibromoethane (EDB)	ND	0.00499		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Chlorobenzene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0299		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Ethylbenzene	ND	0.0299		mg/Kg-dry	1	1/29/2014 5:14:00 AM
m,p-Xylene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
o-Xylene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Styrene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Isopropylbenzene	ND	0.0798		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Bromoform	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
n-Propylbenzene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Bromobenzene	ND	0.0299		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,3,5-Trimethylbenzene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
2-Chlorotoluene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
4-Chlorotoluene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
tert-Butylbenzene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,2,3-Trichloropropane	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,2,4-Trichlorobenzene	ND	0.0499		mg/Kg-dry	1	1/29/2014 5:14:00 AM
sec-Butylbenzene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
4-Isopropyltoluene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,3-Dichlorobenzene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,4-Dichlorobenzene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
n-Butylbenzene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,2-Dichlorobenzene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0299		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,2,4-Trimethylbenzene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Hexachlorobutadiene	ND	0.0997		mg/Kg-dry	1	1/29/2014 5:14:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:04:00 AM

Project: Pace Former National

Lab ID: 1401227-002

Matrix: Soil

Client Sample ID: Area3-Base01-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Naphthalene	ND	0.0299		mg/Kg-dry	1	1/29/2014 5:14:00 AM
1,2,3-Trichlorobenzene	ND	0.0199		mg/Kg-dry	1	1/29/2014 5:14:00 AM
Surr: Dibromofluoromethane	98.5	63.7-129		%REC	1	1/29/2014 5:14:00 AM
Surr: Toluene-d8	102	61.4-128		%REC	1	1/29/2014 5:14:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.7	63.1-141		%REC	1	1/29/2014 5:14:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R12235

Analyst: KAS

Percent Moisture	18.0			wt%	1	1/28/2014 3:59:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:11:00 AM

Project: Pace Former National

Lab ID: 1401227-003

Matrix: Soil

Client Sample ID: Area3-ESW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6457

Analyst: BR

Diesel (Fuel Oil)	ND	24.0		mg/Kg-dry	1	1/28/2014 9:21:00 PM
Heavy Oil	ND	59.9		mg/Kg-dry	1	1/28/2014 9:21:00 PM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	1/28/2014 9:21:00 PM
Surr: o-Terphenyl	107	50-150		%REC	1	1/28/2014 9:21:00 PM

Gasoline by NWTPH-Gx

Batch ID: R12240

Analyst: EM

Gasoline	ND	5.01		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Surr: Toluene-d8	103	65-135		%REC	1	1/29/2014 5:42:00 AM
Surr: 4-Bromofluorobenzene	94.9	65-135		%REC	1	1/29/2014 5:42:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0601		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Chloromethane	ND	0.0601		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Vinyl chloride	ND	0.00200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Bromomethane	ND	0.0901		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0501		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Chloroethane	ND	0.0601		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,1-Dichloroethene	ND	0.0501		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Methylene chloride	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
trans-1,2-Dichloroethene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0501		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,1-Dichloroethane	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
2,2-Dichloropropane	ND	0.0501		mg/Kg-dry	1	1/29/2014 5:42:00 AM
cis-1,2-Dichloroethene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Chloroform	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,1-Dichloropropene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Carbon tetrachloride	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,2-Dichloroethane (EDC)	ND	0.0300		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Benzene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Trichloroethene (TCE)	ND	0.0300		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,2-Dichloropropane	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Bromodichloromethane	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:11:00 AM

Project: Pace Former National

Lab ID: 1401227-003

Matrix: Soil

Client Sample ID: Area3-ESW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Dibromomethane	ND	0.0400		mg/Kg-dry	1	1/29/2014 5:42:00 AM
cis-1,3-Dichloropropene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Toluene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
trans-1,3-Dichloropropylene	ND	0.0300		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,1,2-Trichloroethane	ND	0.0300		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,3-Dichloropropane	ND	0.0501		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Tetrachloroethene (PCE)	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Dibromochloromethane	ND	0.0300		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,2-Dibromoethane (EDB)	ND	0.00501		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Chlorobenzene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0300		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Ethylbenzene	ND	0.0300		mg/Kg-dry	1	1/29/2014 5:42:00 AM
m,p-Xylene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
o-Xylene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Styrene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Isopropylbenzene	ND	0.0801		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Bromoform	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
n-Propylbenzene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Bromobenzene	ND	0.0300		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,3,5-Trimethylbenzene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
2-Chlorotoluene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
4-Chlorotoluene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
tert-Butylbenzene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,2,3-Trichloropropane	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,2,4-Trichlorobenzene	ND	0.0501		mg/Kg-dry	1	1/29/2014 5:42:00 AM
sec-Butylbenzene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
4-Isopropyltoluene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,3-Dichlorobenzene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,4-Dichlorobenzene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
n-Butylbenzene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,2-Dichlorobenzene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0300		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,2,4-Trimethylbenzene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Hexachlorobutadiene	ND	0.100		mg/Kg-dry	1	1/29/2014 5:42:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:11:00 AM

Project: Pace Former National

Lab ID: 1401227-003

Matrix: Soil

Client Sample ID: Area3-ESW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Naphthalene	ND	0.0300		mg/Kg-dry	1	1/29/2014 5:42:00 AM
1,2,3-Trichlorobenzene	ND	0.0200		mg/Kg-dry	1	1/29/2014 5:42:00 AM
Surr: Dibromofluoromethane	98.1	63.7-129		%REC	1	1/29/2014 5:42:00 AM
Surr: Toluene-d8	102	61.4-128		%REC	1	1/29/2014 5:42:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	1/29/2014 5:42:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R12235

Analyst: KAS

Percent Moisture	23.5			wt%	1	1/28/2014 3:59:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:33:00 AM

Project: Pace Former National

Lab ID: 1401227-004

Matrix: Soil

Client Sample ID: Area3-NSW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6457

Analyst: BR

Diesel (Fuel Oil)	ND	24.1		mg/Kg-dry	1	1/28/2014 9:49:00 PM
Heavy Oil	ND	60.1		mg/Kg-dry	1	1/28/2014 9:49:00 PM
Surr: 2-Fluorobiphenyl	104	50-150		%REC	1	1/28/2014 9:49:00 PM
Surr: o-Terphenyl	105	50-150		%REC	1	1/28/2014 9:49:00 PM

Gasoline by NWTPH-Gx

Batch ID: R12240

Analyst: EM

Gasoline	ND	5.07		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Surr: Toluene-d8	102	65-135		%REC	1	1/29/2014 6:09:00 AM
Surr: 4-Bromofluorobenzene	94.6	65-135		%REC	1	1/29/2014 6:09:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0608		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Chloromethane	ND	0.0608		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Vinyl chloride	ND	0.00203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Bromomethane	ND	0.0912		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0507		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Chloroethane	ND	0.0608		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,1-Dichloroethene	ND	0.0507		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Methylene chloride	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
trans-1,2-Dichloroethene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0507		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,1-Dichloroethane	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
2,2-Dichloropropane	ND	0.0507		mg/Kg-dry	1	1/29/2014 6:09:00 AM
cis-1,2-Dichloroethene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Chloroform	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,1-Dichloropropene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Carbon tetrachloride	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,2-Dichloroethane (EDC)	ND	0.0304		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Benzene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Trichloroethene (TCE)	ND	0.0304		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,2-Dichloropropane	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Bromodichloromethane	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:33:00 AM

Project: Pace Former National

Lab ID: 1401227-004

Matrix: Soil

Client Sample ID: Area3-NSW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Dibromomethane	ND	0.0405		mg/Kg-dry	1	1/29/2014 6:09:00 AM
cis-1,3-Dichloropropene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Toluene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
trans-1,3-Dichloropropylene	ND	0.0304		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,1,2-Trichloroethane	ND	0.0304		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,3-Dichloropropane	ND	0.0507		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Tetrachloroethene (PCE)	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Dibromochloromethane	ND	0.0304		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,2-Dibromoethane (EDB)	ND	0.00507		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Chlorobenzene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0304		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Ethylbenzene	ND	0.0304		mg/Kg-dry	1	1/29/2014 6:09:00 AM
m,p-Xylene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
o-Xylene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Styrene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Isopropylbenzene	ND	0.0811		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Bromoform	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
n-Propylbenzene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Bromobenzene	ND	0.0304		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,3,5-Trimethylbenzene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
2-Chlorotoluene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
4-Chlorotoluene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
tert-Butylbenzene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,2,3-Trichloropropane	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,2,4-Trichlorobenzene	ND	0.0507		mg/Kg-dry	1	1/29/2014 6:09:00 AM
sec-Butylbenzene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
4-Isopropyltoluene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,3-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,4-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
n-Butylbenzene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,2-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0304		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,2,4-Trimethylbenzene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Hexachlorobutadiene	ND	0.101		mg/Kg-dry	1	1/29/2014 6:09:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:33:00 AM

Project: Pace Former National

Lab ID: 1401227-004

Matrix: Soil

Client Sample ID: Area3-NSW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Naphthalene	ND	0.0304		mg/Kg-dry	1	1/29/2014 6:09:00 AM
1,2,3-Trichlorobenzene	ND	0.0203		mg/Kg-dry	1	1/29/2014 6:09:00 AM
Surr: Dibromofluoromethane	96.4	63.7-129		%REC	1	1/29/2014 6:09:00 AM
Surr: Toluene-d8	101	61.4-128		%REC	1	1/29/2014 6:09:00 AM
Surr: 1-Bromo-4-fluorobenzene	100	63.1-141		%REC	1	1/29/2014 6:09:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R12235

Analyst: KAS

Percent Moisture	19.6			wt%	1	1/28/2014 3:59:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:46:00 AM

Project: Pace Former National

Lab ID: 1401227-005

Matrix: Soil

Client Sample ID: Area3-NESW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6457

Analyst: BR

Diesel (Fuel Oil)	ND	25.2		mg/Kg-dry	1	1/28/2014 10:17:00 PM
Heavy Oil	ND	62.9		mg/Kg-dry	1	1/28/2014 10:17:00 PM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	1/28/2014 10:17:00 PM
Surr: o-Terphenyl	104	50-150		%REC	1	1/28/2014 10:17:00 PM

Gasoline by NWTPH-Gx

Batch ID: R12240

Analyst: EM

Gasoline	ND	5.21		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Surr: Toluene-d8	103	65-135		%REC	1	1/29/2014 6:37:00 AM
Surr: 4-Bromofluorobenzene	95.2	65-135		%REC	1	1/29/2014 6:37:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0625		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Chloromethane	ND	0.0625		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Vinyl chloride	ND	0.00208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Bromomethane	ND	0.0937		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0521		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Chloroethane	ND	0.0625		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,1-Dichloroethene	ND	0.0521		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Methylene chloride	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
trans-1,2-Dichloroethene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0521		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,1-Dichloroethane	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
2,2-Dichloropropane	ND	0.0521		mg/Kg-dry	1	1/29/2014 6:37:00 AM
cis-1,2-Dichloroethene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Chloroform	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,1-Dichloropropene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Carbon tetrachloride	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,2-Dichloroethane (EDC)	ND	0.0312		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Benzene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Trichloroethene (TCE)	ND	0.0312		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,2-Dichloropropane	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Bromodichloromethane	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:46:00 AM

Project: Pace Former National

Lab ID: 1401227-005

Matrix: Soil

Client Sample ID: Area3-NESW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Dibromomethane	ND	0.0416		mg/Kg-dry	1	1/29/2014 6:37:00 AM
cis-1,3-Dichloropropene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Toluene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
trans-1,3-Dichloropropylene	ND	0.0312		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,1,2-Trichloroethane	ND	0.0312		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,3-Dichloropropane	ND	0.0521		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Tetrachloroethene (PCE)	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Dibromochloromethane	ND	0.0312		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,2-Dibromoethane (EDB)	ND	0.00521		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Chlorobenzene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0312		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Ethylbenzene	ND	0.0312		mg/Kg-dry	1	1/29/2014 6:37:00 AM
m,p-Xylene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
o-Xylene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Styrene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Isopropylbenzene	ND	0.0833		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Bromoform	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
n-Propylbenzene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Bromobenzene	ND	0.0312		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,3,5-Trimethylbenzene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
2-Chlorotoluene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
4-Chlorotoluene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
tert-Butylbenzene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,2,3-Trichloropropane	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,2,4-Trichlorobenzene	ND	0.0521		mg/Kg-dry	1	1/29/2014 6:37:00 AM
sec-Butylbenzene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
4-Isopropyltoluene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,3-Dichlorobenzene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,4-Dichlorobenzene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
n-Butylbenzene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,2-Dichlorobenzene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0312		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,2,4-Trimethylbenzene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Hexachlorobutadiene	ND	0.104		mg/Kg-dry	1	1/29/2014 6:37:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:46:00 AM

Project: Pace Former National

Lab ID: 1401227-005

Matrix: Soil

Client Sample ID: Area3-NESW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Naphthalene	ND	0.0312		mg/Kg-dry	1	1/29/2014 6:37:00 AM
1,2,3-Trichlorobenzene	ND	0.0208		mg/Kg-dry	1	1/29/2014 6:37:00 AM
Surr: Dibromofluoromethane	97.6	63.7-129		%REC	1	1/29/2014 6:37:00 AM
Surr: Toluene-d8	103	61.4-128		%REC	1	1/29/2014 6:37:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	1/29/2014 6:37:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R12235

Analyst: KAS

Percent Moisture	25.2			wt%	1	1/28/2014 3:59:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:54:00 AM

Project: Pace Former National

Lab ID: 1401227-006

Matrix: Soil

Client Sample ID: Area3-Base2-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>			Batch ID: 6457		Analyst: BR	
Diesel (Fuel Oil)	ND	22.2		mg/Kg-dry	1	1/28/2014 10:45:00 PM
Heavy Oil	ND	55.4		mg/Kg-dry	1	1/28/2014 10:45:00 PM
Surr: 2-Fluorobiphenyl	104	50-150		%REC	1	1/28/2014 10:45:00 PM
Surr: o-Terphenyl	105	50-150		%REC	1	1/28/2014 10:45:00 PM

<u>Gasoline by NWTPH-Gx</u>			Batch ID: R12240		Analyst: EM	
Gasoline	ND	4.36		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Surr: Toluene-d8	103	65-135		%REC	1	1/29/2014 7:04:00 AM
Surr: 4-Bromofluorobenzene	93.4	65-135		%REC	1	1/29/2014 7:04:00 AM

<u>Volatile Organic Compounds by EPA Method 8260</u>			Batch ID: 6458		Analyst: EM	
Dichlorodifluoromethane (CFC-12)	ND	0.0524		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Chloromethane	ND	0.0524		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Vinyl chloride	ND	0.00175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Bromomethane	ND	0.0785		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0436		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Chloroethane	ND	0.0524		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,1-Dichloroethene	ND	0.0436		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Methylene chloride	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
trans-1,2-Dichloroethene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0436		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,1-Dichloroethane	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
2,2-Dichloropropane	ND	0.0436		mg/Kg-dry	1	1/29/2014 7:04:00 AM
cis-1,2-Dichloroethene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Chloroform	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,1-Dichloropropene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Carbon tetrachloride	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,2-Dichloroethane (EDC)	ND	0.0262		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Benzene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Trichloroethene (TCE)	ND	0.0262		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,2-Dichloropropane	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Bromodichloromethane	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM

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



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:54:00 AM

Project: Pace Former National

Lab ID: 1401227-006

Matrix: Soil

Client Sample ID: Area3-Base2-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Dibromomethane	ND	0.0349		mg/Kg-dry	1	1/29/2014 7:04:00 AM
cis-1,3-Dichloropropene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Toluene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
trans-1,3-Dichloropropylene	ND	0.0262		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,1,2-Trichloroethane	ND	0.0262		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,3-Dichloropropane	ND	0.0436		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Tetrachloroethene (PCE)	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Dibromochloromethane	ND	0.0262		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,2-Dibromoethane (EDB)	ND	0.00436		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Chlorobenzene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0262		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Ethylbenzene	ND	0.0262		mg/Kg-dry	1	1/29/2014 7:04:00 AM
m,p-Xylene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
o-Xylene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Styrene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Isopropylbenzene	ND	0.0698		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Bromoform	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
n-Propylbenzene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Bromobenzene	ND	0.0262		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,3,5-Trimethylbenzene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
2-Chlorotoluene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
4-Chlorotoluene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
tert-Butylbenzene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,2,3-Trichloropropane	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,2,4-Trichlorobenzene	ND	0.0436		mg/Kg-dry	1	1/29/2014 7:04:00 AM
sec-Butylbenzene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
4-Isopropyltoluene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,3-Dichlorobenzene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,4-Dichlorobenzene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
n-Butylbenzene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,2-Dichlorobenzene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0262		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,2,4-Trimethylbenzene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Hexachlorobutadiene	ND	0.0873		mg/Kg-dry	1	1/29/2014 7:04:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 9:54:00 AM

Project: Pace Former National

Lab ID: 1401227-006

Matrix: Soil

Client Sample ID: Area3-Base2-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Naphthalene	ND	0.0262		mg/Kg-dry	1	1/29/2014 7:04:00 AM
1,2,3-Trichlorobenzene	ND	0.0175		mg/Kg-dry	1	1/29/2014 7:04:00 AM
Surr: Dibromofluoromethane	95.6	63.7-129		%REC	1	1/29/2014 7:04:00 AM
Surr: Toluene-d8	101	61.4-128		%REC	1	1/29/2014 7:04:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.2	63.1-141		%REC	1	1/29/2014 7:04:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R12235

Analyst: KAS

Percent Moisture	14.0			wt%	1	1/28/2014 3:59:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 10:00:00 AM

Project: Pace Former National

Lab ID: 1401227-007

Matrix: Soil

Client Sample ID: Area3-Base3-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6457

Analyst: BR

Diesel (Fuel Oil)	ND	22.7		mg/Kg-dry	1	1/28/2014 11:13:00 PM
Heavy Oil	ND	56.8		mg/Kg-dry	1	1/28/2014 11:13:00 PM
Surr: 2-Fluorobiphenyl	102	50-150		%REC	1	1/28/2014 11:13:00 PM
Surr: o-Terphenyl	103	50-150		%REC	1	1/28/2014 11:13:00 PM

Gasoline by NWTPH-Gx

Batch ID: R12240

Analyst: EM

Gasoline	ND	4.50		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Surr: Toluene-d8	105	65-135		%REC	1	1/29/2014 7:32:00 AM
Surr: 4-Bromofluorobenzene	95.5	65-135		%REC	1	1/29/2014 7:32:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0540		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Chloromethane	ND	0.0540		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Vinyl chloride	ND	0.00180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Bromomethane	ND	0.0809		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0450		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Chloroethane	ND	0.0540		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,1-Dichloroethene	ND	0.0450		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Methylene chloride	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
trans-1,2-Dichloroethene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0450		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,1-Dichloroethane	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
2,2-Dichloropropane	ND	0.0450		mg/Kg-dry	1	1/29/2014 7:32:00 AM
cis-1,2-Dichloroethene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Chloroform	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,1-Dichloropropene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Carbon tetrachloride	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,2-Dichloroethane (EDC)	ND	0.0270		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Benzene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Trichloroethene (TCE)	ND	0.0270		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,2-Dichloropropane	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Bromodichloromethane	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 10:00:00 AM

Project: Pace Former National

Lab ID: 1401227-007

Matrix: Soil

Client Sample ID: Area3-Base3-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Dibromomethane	ND	0.0360		mg/Kg-dry	1	1/29/2014 7:32:00 AM
cis-1,3-Dichloropropene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Toluene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
trans-1,3-Dichloropropylene	ND	0.0270		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,1,2-Trichloroethane	ND	0.0270		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,3-Dichloropropane	ND	0.0450		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Tetrachloroethene (PCE)	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Dibromochloromethane	ND	0.0270		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,2-Dibromoethane (EDB)	ND	0.00450		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Chlorobenzene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0270		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Ethylbenzene	ND	0.0270		mg/Kg-dry	1	1/29/2014 7:32:00 AM
m,p-Xylene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
o-Xylene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Styrene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Isopropylbenzene	ND	0.0720		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Bromoform	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
n-Propylbenzene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Bromobenzene	ND	0.0270		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,3,5-Trimethylbenzene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
2-Chlorotoluene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
4-Chlorotoluene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
tert-Butylbenzene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,2,3-Trichloropropane	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,2,4-Trichlorobenzene	ND	0.0450		mg/Kg-dry	1	1/29/2014 7:32:00 AM
sec-Butylbenzene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
4-Isopropyltoluene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,3-Dichlorobenzene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,4-Dichlorobenzene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
n-Butylbenzene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,2-Dichlorobenzene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0270		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,2,4-Trimethylbenzene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Hexachlorobutadiene	ND	0.0899		mg/Kg-dry	1	1/29/2014 7:32:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 1/28/2014 10:00:00 AM

Project: Pace Former National

Lab ID: 1401227-007

Matrix: Soil

Client Sample ID: Area3-Base3-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458

Analyst: EM

Naphthalene	ND	0.0270		mg/Kg-dry	1	1/29/2014 7:32:00 AM
1,2,3-Trichlorobenzene	ND	0.0180		mg/Kg-dry	1	1/29/2014 7:32:00 AM
Surr: Dibromofluoromethane	96.7	63.7-129		%REC	1	1/29/2014 7:32:00 AM
Surr: Toluene-d8	100	61.4-128		%REC	1	1/29/2014 7:32:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	1/29/2014 7:32:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R12235

Analyst: KAS

Percent Moisture	16.4			wt%	1	1/28/2014 3:59:40 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 12/13/2013 12:40:00 PM

Project: Pace Former National

Lab ID: 1401227-008

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: R12240 Analyst: EM

Gasoline	ND	5.00	H	mg/Kg	1	1/29/2014 1:32:00 AM
Surr: Toluene-d8	104	65-135	H	%REC	1	1/29/2014 1:32:00 AM
Surr: 4-Bromofluorobenzene	98.0	65-135	H	%REC	1	1/29/2014 1:32:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6458 Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0600	H	mg/Kg	1	1/29/2014 1:32:00 AM
Chloromethane	ND	0.0600	H	mg/Kg	1	1/29/2014 1:32:00 AM
Vinyl chloride	ND	0.00200	H	mg/Kg	1	1/29/2014 1:32:00 AM
Bromomethane	ND	0.0900	H	mg/Kg	1	1/29/2014 1:32:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500	H	mg/Kg	1	1/29/2014 1:32:00 AM
Chloroethane	ND	0.0600	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,1-Dichloroethene	ND	0.0500	H	mg/Kg	1	1/29/2014 1:32:00 AM
Methylene chloride	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
trans-1,2-Dichloroethene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0500	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,1-Dichloroethane	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
2,2-Dichloropropane	ND	0.0500	H	mg/Kg	1	1/29/2014 1:32:00 AM
cis-1,2-Dichloroethene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
Chloroform	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,1-Dichloropropene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
Carbon tetrachloride	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,2-Dichloroethane (EDC)	ND	0.0300	H	mg/Kg	1	1/29/2014 1:32:00 AM
Benzene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
Trichloroethene (TCE)	ND	0.0300	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,2-Dichloropropane	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
Bromodichloromethane	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
Dibromomethane	ND	0.0400	H	mg/Kg	1	1/29/2014 1:32:00 AM
cis-1,3-Dichloropropene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
Toluene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
trans-1,3-Dichloropropylene	ND	0.0300	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,1,2-Trichloroethane	ND	0.0300	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,3-Dichloropropane	ND	0.0500	H	mg/Kg	1	1/29/2014 1:32:00 AM
Tetrachloroethene (PCE)	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit
 D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401227

Date Reported: 1/29/2014

Client: PES Environmental, Inc.

Collection Date: 12/13/2013 12:40:00 PM

Project: Pace Former National

Lab ID: 1401227-008

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 6458	Analyst: EM	
Dibromochloromethane	ND	0.0300	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,2-Dibromoethane (EDB)	ND	0.00500	H	mg/Kg	1	1/29/2014 1:32:00 AM
Chlorobenzene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0300	H	mg/Kg	1	1/29/2014 1:32:00 AM
Ethylbenzene	ND	0.0300	H	mg/Kg	1	1/29/2014 1:32:00 AM
m,p-Xylene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
o-Xylene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
Styrene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
Isopropylbenzene	ND	0.0800	H	mg/Kg	1	1/29/2014 1:32:00 AM
Bromoform	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
n-Propylbenzene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
Bromobenzene	ND	0.0300	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,3,5-Trimethylbenzene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
2-Chlorotoluene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
4-Chlorotoluene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
tert-Butylbenzene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,2,3-Trichloropropane	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,2,4-Trichlorobenzene	ND	0.0500	H	mg/Kg	1	1/29/2014 1:32:00 AM
sec-Butylbenzene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
4-Isopropyltoluene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,3-Dichlorobenzene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,4-Dichlorobenzene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
n-Butylbenzene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,2-Dichlorobenzene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0300	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,2,4-Trimethylbenzene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
Hexachlorobutadiene	ND	0.100	H	mg/Kg	1	1/29/2014 1:32:00 AM
Naphthalene	ND	0.0300	H	mg/Kg	1	1/29/2014 1:32:00 AM
1,2,3-Trichlorobenzene	ND	0.0200	H	mg/Kg	1	1/29/2014 1:32:00 AM
Surr: Dibromofluoromethane	97.3	63.7-129	H	%REC	1	1/29/2014 1:32:00 AM
Surr: Toluene-d8	104	61.4-128	H	%REC	1	1/29/2014 1:32:00 AM
Surr: 1-Bromo-4-fluorobenzene	104	63.1-141	H	%REC	1	1/29/2014 1:32:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1401227
CLIENT: PES Environmental, Inc.
Project: Pace Former National

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1401227-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/28/2014	RunNo: 12239							
Client ID: Area3-SESW-8	Batch ID: 6457		Analysis Date: 1/28/2014	SeqNo: 244318							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	22.0						0		30	
Heavy Oil	ND	54.9						0		30	
Surr: 2-Fluorobiphenyl	22.6		21.97		103	50	150		0		
Surr: o-Terphenyl	22.5		21.97		103	50	150		0		

Sample ID: LCS-6457	SampType: LCS	Units: mg/Kg	Prep Date: 1/28/2014	RunNo: 12239							
Client ID: LCSS	Batch ID: 6457		Analysis Date: 1/28/2014	SeqNo: 244336							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	490	20.0	500.0	0	98.1	65	135				
Surr: 2-Fluorobiphenyl	20.4		20.00		102	50	150				
Surr: o-Terphenyl	20.5		20.00		103	50	150				

Sample ID: MB-6457	SampType: MBLK	Units: mg/Kg	Prep Date: 1/28/2014	RunNo: 12239							
Client ID: MBLKS	Batch ID: 6457		Analysis Date: 1/28/2014	SeqNo: 244337							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	20.6		20.00		103	50	150				
Surr: o-Terphenyl	21.0		20.00		105	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401227
CLIENT: PES Environmental, Inc.
Project: Pace Former National

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 1401226-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/28/2014	RunNo: 12240							
Client ID: BATCH	Batch ID: R12240		Analysis Date: 1/29/2014	SeqNo: 244339							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.39						0		30	
Surr: Toluene-d8	2.70		2.697		100	65	135		0		
Surr: 4-Bromofluorobenzene	2.53		2.697		93.8	65	135		0		

Sample ID: LCS-R12240	SampType: LCS	Units: mg/Kg	Prep Date: 1/29/2014	RunNo: 12240							
Client ID: LCSS	Batch ID: R12240		Analysis Date: 1/29/2014	SeqNo: 244353							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	29.8	5.00	25.00	0	119	65	135				
Surr: Toluene-d8	2.56		2.500		102	65	135				
Surr: 4-Bromofluorobenzene	2.41		2.500		96.5	65	135				

Sample ID: MB-R12240	SampType: MBLK	Units: mg/Kg	Prep Date: 1/28/2014	RunNo: 12240							
Client ID: MBLKS	Batch ID: R12240		Analysis Date: 1/28/2014	SeqNo: 244354							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	2.54		2.500		102	65	135				
Surr: 4-Bromofluorobenzene	2.39		2.500		95.5	65	135				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401227
 CLIENT: PES Environmental, Inc.
 Project: Pace Former National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1401226-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/28/2014	RunNo: 12241							
Client ID: BATCH	Batch ID: 6458		Analysis Date: 1/29/2014	SeqNo: 244356							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0647						0		30	
Chloromethane	ND	0.0647						0		30	
Vinyl chloride	ND	0.00216						0		30	
Bromomethane	ND	0.0971						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0539						0		30	
Chloroethane	ND	0.0647						0		30	
1,1-Dichloroethene	ND	0.0539						0		30	
Methylene chloride	ND	0.0216						0		30	
trans-1,2-Dichloroethene	ND	0.0216						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0539						0		30	
1,1-Dichloroethane	ND	0.0216						0		30	
2,2-Dichloropropane	ND	0.0539						0		30	
cis-1,2-Dichloroethene	ND	0.0216						0		30	
Chloroform	ND	0.0216						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0216						0		30	
1,1-Dichloropropene	ND	0.0216						0		30	
Carbon tetrachloride	ND	0.0216						0		30	
1,2-Dichloroethane (EDC)	ND	0.0324						0		30	
Benzene	ND	0.0216						0		30	
Trichloroethene (TCE)	ND	0.0216						0		30	
1,2-Dichloropropane	ND	0.0216						0		30	
Bromodichloromethane	ND	0.0216						0		30	
Dibromomethane	ND	0.0431						0		30	
cis-1,3-Dichloropropene	ND	0.0216						0		30	
Toluene	ND	0.0216						0		30	
trans-1,3-Dichloropropylene	ND	0.0324						0		30	
1,1,2-Trichloroethane	ND	0.0324						0		30	
1,3-Dichloropropane	ND	0.0539						0		30	
Tetrachloroethene (PCE)	ND	0.0216						0		30	

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401227
 CLIENT: PES Environmental, Inc.
 Project: Pace Former National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1401226-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/28/2014	RunNo: 12241							
Client ID: BATCH	Batch ID: 6458		Analysis Date: 1/29/2014	SeqNo: 244356							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloromethane	ND	0.0324						0		30	
1,2-Dibromoethane (EDB)	ND	0.00539						0		30	
Chlorobenzene	ND	0.0216						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0324						0		30	
Ethylbenzene	ND	0.0324						0		30	
m,p-Xylene	ND	0.0216						0		30	
o-Xylene	ND	0.0216						0		30	
Styrene	ND	0.0216						0		30	
Isopropylbenzene	ND	0.0863						0		30	
Bromoform	ND	0.0216						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0216						0		30	
n-Propylbenzene	ND	0.0216						0		30	
Bromobenzene	ND	0.0324						0		30	
1,3,5-Trimethylbenzene	ND	0.0216						0		30	
2-Chlorotoluene	ND	0.0216						0		30	
4-Chlorotoluene	ND	0.0216						0		30	
tert-Butylbenzene	ND	0.0216						0		30	
1,2,3-Trichloropropane	ND	0.0216						0		30	
1,2,4-Trichlorobenzene	ND	0.0539						0		30	
sec-Butylbenzene	ND	0.0216						0		30	
4-Isopropyltoluene	ND	0.0216						0		30	
1,3-Dichlorobenzene	ND	0.0216						0		30	
1,4-Dichlorobenzene	ND	0.0216						0		30	
n-Butylbenzene	ND	0.0216						0		30	
1,2-Dichlorobenzene	ND	0.0216						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0324						0		30	
1,2,4-Trimethylbenzene	ND	0.0216						0		30	
Hexachlorobutadiene	ND	0.108						0		30	
Naphthalene	ND	0.0324						0		30	

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 D Dilution was required
 J Analyte detected below quantitation limits
 RL Reporting Limit
 E Value above quantitation range
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Work Order: 1401227
CLIENT: PES Environmental, Inc.
Project: Pace Former National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1401226-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/28/2014	RunNo: 12241							
Client ID: BATCH	Batch ID: 6458		Analysis Date: 1/29/2014	SeqNo: 244356							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	ND	0.0216						0		30	
Surr: Dibromofluoromethane	2.78		2.697		103	63.7	129		0		
Surr: Toluene-d8	2.81		2.697		104	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.68		2.697		99.4	63.1	141		0		

Sample ID: 1401226-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/28/2014	RunNo: 12241							
Client ID: BATCH	Batch ID: 6458		Analysis Date: 1/29/2014	SeqNo: 244356							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	1.03	0.0592	0.9869	0	104	43.5	121				
Chloromethane	0.953	0.0592	0.9869	0	96.6	45	130				
Vinyl chloride	1.02	0.00197	0.9869	0	104	51.2	146				
Bromomethane	1.29	0.0888	0.9869	0	131	21.3	120				S
Trichlorofluoromethane (CFC-11)	1.43	0.0493	0.9869	0	145	35	131				S
Chloroethane	1.09	0.0592	0.9869	0	111	43.8	117				
1,1-Dichloroethene	1.09	0.0493	0.9869	0	111	61.9	141				
Methylene chloride	1.06	0.0197	0.9869	0	107	54.7	142				
trans-1,2-Dichloroethene	1.10	0.0197	0.9869	0	112	52	136				
Methyl tert-butyl ether (MTBE)	0.977	0.0493	0.9869	0	99.0	54.4	132				
1,1-Dichloroethane	1.08	0.0197	0.9869	0	109	51.8	141				
2,2-Dichloropropane	0.963	0.0493	0.9869	0	97.6	36	123				
cis-1,2-Dichloroethene	1.11	0.0197	0.9869	0	113	58.6	136				
Chloroform	1.11	0.0197	0.9869	0	112	53.2	129				
1,1,1-Trichloroethane (TCA)	1.15	0.0197	0.9869	0	117	58.3	145				
1,1-Dichloropropene	1.09	0.0197	0.9869	0	111	55.1	138				
Carbon tetrachloride	1.11	0.0197	0.9869	0	112	53.3	144				
1,2-Dichloroethane (EDC)	1.09	0.0296	0.9869	0	111	51.3	139				
Benzene	1.05	0.0197	0.9869	0	107	63.5	133				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401227
CLIENT: PES Environmental, Inc.
Project: Pace Former National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1401226-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/28/2014	RunNo: 12241							
Client ID: BATCH	Batch ID: 6458		Analysis Date: 1/29/2014	SeqNo: 244358							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	0.988	0.0197	0.9869	0	100	68.6	132				
1,2-Dichloropropane	1.01	0.0197	0.9869	0	102	59	136				
Bromodichloromethane	1.08	0.0197	0.9869	0	109	50.7	141				
Dibromomethane	1.01	0.0395	0.9869	0	102	50.6	137				
cis-1,3-Dichloropropene	1.06	0.0197	0.9869	0	108	50.4	138				
Toluene	1.05	0.0197	0.9869	0	107	63.4	132				
trans-1,3-Dichloropropylene	0.989	0.0296	0.9869	0	100	44.1	147				
1,1,2-Trichloroethane	1.08	0.0296	0.9869	0	109	51.6	137				
1,3-Dichloropropane	1.06	0.0493	0.9869	0	107	53.1	134				
Tetrachloroethene (PCE)	1.08	0.0197	0.9869	0	110	35.6	158				
Dibromochloromethane	1.06	0.0296	0.9869	0	108	55.3	140				
1,2-Dibromoethane (EDB)	1.11	0.00493	0.9869	0	112	50.4	136				
Chlorobenzene	0.981	0.0197	0.9869	0	99.4	60	133				
1,1,1,2-Tetrachloroethane	0.987	0.0296	0.9869	0	100	53.1	142				
Ethylbenzene	1.00	0.0296	0.9869	0	101	54.5	134				
m,p-Xylene	2.01	0.0197	1.974	0	102	53.1	132				
o-Xylene	0.953	0.0197	0.9869	0	96.6	53.3	139				
Styrene	0.965	0.0197	0.9869	0	97.8	51.1	132				
Isopropylbenzene	0.943	0.0790	0.9869	0	95.6	58.9	138				
Bromoform	0.968	0.0197	0.9869	0	98.1	57.9	130				
1,1,2,2-Tetrachloroethane	1.04	0.0197	0.9869	0	106	51.9	131				
n-Propylbenzene	1.00	0.0197	0.9869	0	102	53.6	140				
Bromobenzene	1.03	0.0296	0.9869	0	104	54.2	140				
1,3,5-Trimethylbenzene	1.01	0.0197	0.9869	0	103	51.8	136				
2-Chlorotoluene	1.04	0.0197	0.9869	0	105	51.6	136				
4-Chlorotoluene	0.973	0.0197	0.9869	0	98.6	50.1	139				
tert-Butylbenzene	1.05	0.0197	0.9869	0	106	50.5	135				
1,2,3-Trichloropropane	0.941	0.0197	0.9869	0	95.3	50.5	131				
1,2,4-Trichlorobenzene	0.998	0.0493	0.9869	0	101	50.8	130				

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1401227
CLIENT: PES Environmental, Inc.
Project: Pace Former National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1401226-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/28/2014	RunNo: 12241							
Client ID: BATCH	Batch ID: 6458		Analysis Date: 1/29/2014	SeqNo: 244358							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

sec-Butylbenzene	0.952	0.0197	0.9869	0	96.5	52.6	141				
4-Isopropyltoluene	1.01	0.0197	0.9869	0	102	52.9	134				
1,3-Dichlorobenzene	1.00	0.0197	0.9869	0	102	52.6	131				
1,4-Dichlorobenzene	0.972	0.0197	0.9869	0	98.5	52.9	129				
n-Butylbenzene	1.01	0.0197	0.9869	0	103	52.6	130				
1,2-Dichlorobenzene	0.987	0.0197	0.9869	0	100	55.8	129				
1,2-Dibromo-3-chloropropane	0.980	0.0296	0.9869	0	99.3	40.5	131				
1,2,4-Trimethylbenzene	0.976	0.0197	0.9869	0	98.9	50.6	137				
Hexachlorobutadiene	1.03	0.0987	0.9869	0	105	40.6	158				
Naphthalene	0.939	0.0296	0.9869	0	95.2	52.3	124				
1,2,3-Trichlorobenzene	0.956	0.0197	0.9869	0	96.8	54.4	124				
Surr: Dibromofluoromethane	2.55		2.467		104	63.7	129				
Surr: Toluene-d8	2.58		2.467		104	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.45		2.467		99.3	63.1	141				

NOTES:

S - Outlying QC recoveries were observed. The method is in control as indicated by the LCS.

Sample ID: LCS-6458	SampType: LCS	Units: mg/Kg	Prep Date: 1/28/2014	RunNo: 12241							
Client ID: LCSS	Batch ID: 6458		Analysis Date: 1/28/2014	SeqNo: 244372							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.801	0.0600	1.000	0	80.1	37.7	136				
Chloromethane	0.892	0.0600	1.000	0	89.2	38.8	132				
Vinyl chloride	0.927	0.00200	1.000	0	92.7	56.1	130				
Bromomethane	1.24	0.0900	1.000	0	124	41.3	148				
Trichlorofluoromethane (CFC-11)	1.05	0.0500	1.000	0	105	60.3	132				
Chloroethane	1.13	0.0600	1.000	0	113	37.1	144				
1,1-Dichloroethene	1.02	0.0500	1.000	0	102	49.7	142				
Methylene chloride	0.995	0.0200	1.000	0	99.5	57.6	135				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401227
CLIENT: PES Environmental, Inc.
Project: Pace Former National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6458	SampType: LCS	Units: mg/Kg	Prep Date: 1/28/2014	RunNo: 12241
Client ID: LCSS	Batch ID: 6458		Analysis Date: 1/28/2014	SeqNo: 244372

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	0.946	0.0200	1.000	0	94.6	55	139				
Methyl tert-butyl ether (MTBE)	0.964	0.0500	1.000	0	96.4	59.1	138				
1,1-Dichloroethane	0.976	0.0200	1.000	0	97.6	65.5	132				
2,2-Dichloropropane	1.00	0.0500	1.000	0	100	28.1	149				
cis-1,2-Dichloroethene	0.940	0.0200	1.000	0	94.0	71.6	123				
Chloroform	1.01	0.0200	1.000	0	101	67.5	129				
1,1,1-Trichloroethane (TCA)	0.985	0.0200	1.000	0	98.5	69	132				
1,1-Dichloropropene	0.931	0.0200	1.000	0	93.1	72.7	131				
Carbon tetrachloride	0.975	0.0200	1.000	0	97.5	63.4	137				
1,2-Dichloroethane (EDC)	0.987	0.0300	1.000	0	98.7	61.9	136				
Benzene	0.987	0.0200	1.000	0	98.7	74.6	124				
Trichloroethene (TCE)	0.981	0.0200	1.000	0	98.1	67.4	133				
1,2-Dichloropropane	0.966	0.0200	1.000	0	96.6	72.7	133				
Bromodichloromethane	0.959	0.0200	1.000	0	95.9	76.1	136				
Dibromomethane	0.987	0.0400	1.000	0	98.7	70	130				
cis-1,3-Dichloropropene	0.973	0.0200	1.000	0	97.3	59.1	143				
Toluene	1.01	0.0200	1.000	0	101	80.9	124				
trans-1,3-Dichloropropylene	0.990	0.0300	1.000	0	99.0	49.2	149				
1,1,2-Trichloroethane	0.990	0.0300	1.000	0	99.0	74.5	129				
1,3-Dichloropropane	1.02	0.0500	1.000	0	102	70	130				
Tetrachloroethene (PCE)	1.01	0.0200	1.000	0	101	52.7	150				
Dibromochloromethane	0.981	0.0300	1.000	0	98.1	70.6	144				
1,2-Dibromoethane (EDB)	0.973	0.00500	1.000	0	97.3	70	130				
Chlorobenzene	0.967	0.0200	1.000	0	96.7	76.1	123				
1,1,1,2-Tetrachloroethane	1.01	0.0300	1.000	0	101	74.8	131				
Ethylbenzene	0.991	0.0300	1.000	0	99.1	74	129				
m,p-Xylene	2.01	0.0200	2.000	0	101	79.8	128				
o-Xylene	0.933	0.0200	1.000	0	93.3	72.7	124				
Styrene	0.934	0.0200	1.000	0	93.4	76.8	130				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits	D Dilution was required J Analyte detected below quantitation limits RL Reporting Limit	E Value above quantitation range ND Not detected at the Reporting Limit S Spike recovery outside accepted recovery limits
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Work Order: 1401227
 CLIENT: PES Environmental, Inc.
 Project: Pace Former National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6458	SampType: LCS	Units: mg/Kg	Prep Date: 1/28/2014	RunNo: 12241							
Client ID: LCSS	Batch ID: 6458		Analysis Date: 1/28/2014	SeqNo: 244372							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	0.937	0.0800	1.000	0	93.7	70	130				
Bromoform	1.10	0.0200	1.000	0	110	67	154				
1,1,2,2-Tetrachloroethane	1.01	0.0200	1.000	0	101	60	130				
n-Propylbenzene	0.988	0.0200	1.000	0	98.8	74.8	125				
Bromobenzene	0.931	0.0300	1.000	0	93.1	49.2	144				
1,3,5-Trimethylbenzene	0.970	0.0200	1.000	0	97.0	74.6	123				
2-Chlorotoluene	1.00	0.0200	1.000	0	100	76.7	129				
4-Chlorotoluene	1.00	0.0200	1.000	0	100	77.5	125				
tert-Butylbenzene	0.954	0.0200	1.000	0	95.4	66.2	130				
1,2,3-Trichloropropane	1.02	0.0200	1.000	0	102	67.9	136				
1,2,4-Trichlorobenzene	0.998	0.0500	1.000	0	99.8	65.6	137				
sec-Butylbenzene	0.917	0.0200	1.000	0	91.7	75.6	133				
4-Isopropyltoluene	0.978	0.0200	1.000	0	97.9	76.8	131				
1,3-Dichlorobenzene	0.966	0.0200	1.000	0	96.6	72.8	128				
1,4-Dichlorobenzene	0.960	0.0200	1.000	0	96.0	72.6	126				
n-Butylbenzene	1.00	0.0200	1.000	0	100	65.3	136				
1,2-Dichlorobenzene	1.00	0.0200	1.000	0	100	72.8	126				
1,2-Dibromo-3-chloropropane	1.02	0.0300	1.000	0	102	60.3	130				
1,2,4-Trimethylbenzene	0.942	0.0200	1.000	0	94.2	77.5	129				
Hexachlorobutadiene	0.993	0.100	1.000	0	99.3	42	151				
Naphthalene	1.02	0.0300	1.000	0	102	64	130				
1,2,3-Trichlorobenzene	0.990	0.0200	1.000	0	99.0	62.1	140				
Surr: Dibromofluoromethane	2.47		2.500		98.7	63.7	129				
Surr: Toluene-d8	2.53		2.500		101	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.48		2.500		99.1	63.1	141				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401227
CLIENT: PES Environmental, Inc.
Project: Pace Former National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-6458	SampType: MBLK	Units: mg/Kg	Prep Date: 1/28/2014	RunNo: 12241							
Client ID: MBLKS	Batch ID: 6458		Analysis Date: 1/28/2014	SeqNo: 244373							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
Methyl tert-butyl ether (MTBE)	ND	0.0500									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
1,1,1-Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane (EDC)	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401227
CLIENT: PES Environmental, Inc.
Project: Pace Former National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-6458	SampType: MBLK	Units: mg/Kg	Prep Date: 1/28/2014	RunNo: 12241							
Client ID: MBLKS	Batch ID: 6458		Analysis Date: 1/28/2014	SeqNo: 244373							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachlorobutadiene	ND	0.100									
Naphthalene	ND	0.0300									

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401227
CLIENT: PES Environmental, Inc.
Project: Pace Former National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-6458	SampType: MBLK	Units: mg/Kg	Prep Date: 1/28/2014	RunNo: 12241							
Client ID: MBLKS	Batch ID: 6458		Analysis Date: 1/28/2014	SeqNo: 244373							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	ND	0.0200								
Surr: Dibromofluoromethane	2.49		2.500		99.5	63.7	129			
Surr: Toluene-d8	2.45		2.500		97.9	61.4	128			
Surr: 1-Bromo-4-fluorobenzene	2.53		2.500		101	63.1	141			

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
R RPD outside accepted recovery limits
RL Reporting Limit
S Spike recovery outside accepted recovery limits

Client Name: **PES**
 Logged by: **Chelsea Ward**

Work Order Number: **1401227**
 Date Received: **1/28/2014 11:09:00 AM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 5. Custody seals intact on shipping container/cooler? Yes No Not Required
 6. Was an attempt made to cool the samples? Yes No NA
 7. Were all coolers received at a temperature of >0°C to 10.0°C? Yes No NA
 8. Sample(s) in proper container(s)? Yes No
 9. Sufficient sample volume for indicated test(s)? Yes No
 10. Are samples properly preserved? Yes No
 11. Was preservative added to bottles? Yes No NA
 12. Is the headspace in the VOA vials? Yes No NA
 13. Did all samples containers arrive in good condition(unbroken)? Yes No
 14. Does paperwork match bottle labels? Yes No
 15. Are matrices correctly identified on Chain of Custody? Yes No
 16. Is it clear what analyses were requested? Yes No
 17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text" value="Kelly Rankich"/>	Date:	<input type="text" value="1/28/2014"/>
By Whom:	<input type="text" value="Chelsea Ward"/>	Via:	<input checked="" type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text" value="Silica Gel Cleanup"/>		
Client Instructions:	<input type="text" value="Confirmed silica gel cleanup and analysis for Trio Blank"/>		

19. Additional remarks:

Item Information

Item #	Temp °C	Condition
Cooler	6.6	Good
Sample	7.0	Good



Fremont

Analytical

Chain of Custody Record

3600 Fremont Ave N.
Seattle, WA 98103

Tel: 206-352-3790
Fax: 206-352-7178

Date: 1-28-14

Laboratory Project No (Internal): 1401227

Client: DES Environmental, Inc
Address: 1215 4th Ave Suite 1350
City, State, Zip: Seattle WA 98161

Project Name: Pace Former National Kirkland WA 500 7th Ave S, CuleBoer.
Location: Kirkland WA 500 7th Ave S, CuleBoer.
Collected by: Kirkland WA 500 7th Ave S, CuleBoer.

Reports To (PM): Balmain Rankin Fax: (206) 529-3985 Email: Krankin@pseu.com Project No: 1406-D01-04-201

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GV/BTEX by EPA 8021b	BTEX by 8260	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics	SEMI VOL (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	CI Pesticides (EPA 8091)	CI Herbicides (EPA 8151A)	Metals* (6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	Comments/Depth
1 Area3-SESU-8	1/28/14	0851	Soil	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2 Area3-Base 01-10		0904		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3 Area3-W5W-8		0911		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4 Area3-N5W-8		0933		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5 Area3-NESW-8		0946		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6 Area3-Base 2-10		0954		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7 Area3-Base3-10		1000		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8 TRIP BLANK																		
9																		
10																		

*Metals Analysis (Circle): MTCA-5 RCR-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: Return to Client Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished Date/Time 1/28/14 1109 Received Date/Time 1/28/14 1109

Relinquished Date/Time _____ Received Date/Time _____

TAT --> Next Day 2 Day 3 Day STD



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Dan Balbiani
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Former Pace National
Lab ID: 1401263

January 31, 2014

Attention Dan Balbiani:

Fremont Analytical, Inc. received 5 sample(s) on 1/30/2014 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260

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

CC:
Kelly Rankich



Date: 01/31/2014

CLIENT: PES Environmental, Inc.
Project: Former Pace National
Lab Order: 1401263

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1401263-001	Area3-Base4-14	01/30/2014 12:06 PM	01/30/2014 2:23 PM
1401263-002	Area3-Base5-14	01/30/2014 12:13 PM	01/30/2014 2:23 PM
1401263-003	Area3-Base6-14	01/30/2014 12:20 PM	01/30/2014 2:23 PM
1401263-004	Area3-SSW-8	01/30/2014 1:15 PM	01/30/2014 2:23 PM
1401263-005	Trip Blank	12/13/2013 1:30 PM	01/30/2014 2:23 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: PES Environmental, Inc.**Project:** Former Pace National

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

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.



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 12:06:00 PM

Project: Former Pace National

Lab ID: 1401263-001

Matrix: Soil

Client Sample ID: Area3-Base4-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6480

Analyst: BR

Diesel (Fuel Oil)	ND	23.4		mg/Kg-dry	1	1/30/2014 9:08:00 PM
Heavy Oil	ND	58.5		mg/Kg-dry	1	1/30/2014 9:08:00 PM
Surr: 2-Fluorobiphenyl	110	50-150		%REC	1	1/30/2014 9:08:00 PM
Surr: o-Terphenyl	111	50-150		%REC	1	1/30/2014 9:08:00 PM

Gasoline by NWTPH-Gx

Batch ID: R12284

Analyst: EM

Gasoline	ND	5.25		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Surr: Toluene-d8	116	65-135		%REC	1	1/31/2014 4:40:00 AM
Surr: 4-Bromofluorobenzene	100	65-135		%REC	1	1/31/2014 4:40:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0629		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Chloromethane	ND	0.0629		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Vinyl chloride	ND	0.00210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Bromomethane	ND	0.0944		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0525		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Chloroethane	ND	0.0629		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,1-Dichloroethene	ND	0.0525		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Methylene chloride	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
trans-1,2-Dichloroethene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0525		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,1-Dichloroethane	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
2,2-Dichloropropane	ND	0.0525		mg/Kg-dry	1	1/31/2014 4:40:00 AM
cis-1,2-Dichloroethene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Chloroform	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,1-Dichloropropene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Carbon tetrachloride	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2-Dichloroethane (EDC)	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Benzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Trichloroethene (TCE)	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2-Dichloropropane	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Bromodichloromethane	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 12:06:00 PM

Project: Former Pace National

Lab ID: 1401263-001

Matrix: Soil

Client Sample ID: Area3-Base4-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Dibromomethane	ND	0.0420		mg/Kg-dry	1	1/31/2014 4:40:00 AM
cis-1,3-Dichloropropene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Toluene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
trans-1,3-Dichloropropylene	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,1,2-Trichloroethane	ND	0.0315	*	mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,3-Dichloropropane	ND	0.0525		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Tetrachloroethene (PCE)	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Dibromochloromethane	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2-Dibromoethane (EDB)	ND	0.00525		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Chlorobenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Ethylbenzene	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
m,p-Xylene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
o-Xylene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Styrene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Isopropylbenzene	ND	0.0839		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Bromoform	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
n-Propylbenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Bromobenzene	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,3,5-Trimethylbenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
2-Chlorotoluene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
4-Chlorotoluene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
tert-Butylbenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2,3-Trichloropropane	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2,4-Trichlorobenzene	ND	0.0525		mg/Kg-dry	1	1/31/2014 4:40:00 AM
sec-Butylbenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
4-Isopropyltoluene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,3-Dichlorobenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,4-Dichlorobenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
n-Butylbenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2-Dichlorobenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2,4-Trimethylbenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Hexachlorobutadiene	ND	0.105		mg/Kg-dry	1	1/31/2014 4:40:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 12:06:00 PM

Project: Former Pace National

Lab ID: 1401263-001

Matrix: Soil

Client Sample ID: Area3-Base4-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Naphthalene	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2,3-Trichlorobenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Surr: Dibromofluoromethane	104	63.7-129		%REC	1	1/31/2014 4:40:00 AM
Surr: Toluene-d8	81.0	61.4-128		%REC	1	1/31/2014 4:40:00 AM
Surr: 1-Bromo-4-fluorobenzene	96.2	63.1-141		%REC	1	1/31/2014 4:40:00 AM

NOTES:

* - Flagged value is not within established control limits.

Sample Moisture (Percent Moisture)

Batch ID: R12272

Analyst: KZ

Percent Moisture	19.4			wt%	1	1/30/2014 3:11:49 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 1/30/2014 12:13:00 PM

Project: Former Pace National

Lab ID: 1401263-002

Matrix: Soil

Client Sample ID: Area3-Base5-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6480

Analyst: BR

Diesel (Fuel Oil)	ND	22.3		mg/Kg-dry	1	1/30/2014 10:04:00 PM
Heavy Oil	ND	55.8		mg/Kg-dry	1	1/30/2014 10:04:00 PM
Surr: 2-Fluorobiphenyl	107	50-150		%REC	1	1/30/2014 10:04:00 PM
Surr: o-Terphenyl	109	50-150		%REC	1	1/30/2014 10:04:00 PM

Gasoline by NWTPH-Gx

Batch ID: R12284

Analyst: EM

Gasoline	ND	5.74		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Surr: Toluene-d8	102	65-135		%REC	1	1/31/2014 5:39:00 AM
Surr: 4-Bromofluorobenzene	113	65-135		%REC	1	1/31/2014 5:39:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0689		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Chloromethane	ND	0.0689		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Vinyl chloride	ND	0.00230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Bromomethane	ND	0.103		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0574		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Chloroethane	ND	0.0689		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,1-Dichloroethene	ND	0.0574		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Methylene chloride	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
trans-1,2-Dichloroethene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0574		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,1-Dichloroethane	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
2,2-Dichloropropane	ND	0.0574		mg/Kg-dry	1	1/31/2014 5:39:00 AM
cis-1,2-Dichloroethene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Chloroform	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,1-Dichloropropene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Carbon tetrachloride	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2-Dichloroethane (EDC)	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Benzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Trichloroethene (TCE)	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2-Dichloropropane	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Bromodichloromethane	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 12:13:00 PM

Project: Former Pace National

Lab ID: 1401263-002

Matrix: Soil

Client Sample ID: Area3-Base5-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Dibromomethane	ND	0.0459		mg/Kg-dry	1	1/31/2014 5:39:00 AM
cis-1,3-Dichloropropene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Toluene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
trans-1,3-Dichloropropylene	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,1,2-Trichloroethane	ND	0.0344	*	mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,3-Dichloropropane	ND	0.0574		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Tetrachloroethene (PCE)	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Dibromochloromethane	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2-Dibromoethane (EDB)	ND	0.00574		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Chlorobenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Ethylbenzene	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
m,p-Xylene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
o-Xylene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Styrene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Isopropylbenzene	ND	0.0919		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Bromoform	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
n-Propylbenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Bromobenzene	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,3,5-Trimethylbenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
2-Chlorotoluene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
4-Chlorotoluene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
tert-Butylbenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2,3-Trichloropropane	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2,4-Trichlorobenzene	ND	0.0574		mg/Kg-dry	1	1/31/2014 5:39:00 AM
sec-Butylbenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
4-Isopropyltoluene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,3-Dichlorobenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,4-Dichlorobenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
n-Butylbenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2-Dichlorobenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2,4-Trimethylbenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Hexachlorobutadiene	ND	0.115		mg/Kg-dry	1	1/31/2014 5:39:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 12:13:00 PM

Project: Former Pace National

Lab ID: 1401263-002

Matrix: Soil

Client Sample ID: Area3-Base5-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Naphthalene	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2,3-Trichlorobenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Surr: Dibromofluoromethane	102	63.7-129		%REC	1	1/31/2014 5:39:00 AM
Surr: Toluene-d8	64.2	61.4-128		%REC	1	1/31/2014 5:39:00 AM
Surr: 1-Bromo-4-fluorobenzene	108	63.1-141		%REC	1	1/31/2014 5:39:00 AM

NOTES:

* - Flagged value is not within established control limits.

Sample Moisture (Percent Moisture)

Batch ID: R12272

Analyst: KZ

Percent Moisture	17.9			wt%	1	1/30/2014 3:11:49 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Client: PES Environmental, Inc.

Collection Date: 1/30/2014 12:20:00 PM

Project: Former Pace National

Lab ID: 1401263-003

Matrix: Soil

Client Sample ID: Area3-Base6-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 6480	Analyst: BR
Diesel (Fuel Oil)	ND	22.7		mg/Kg-dry	1	1/30/2014 10:32:00 PM
Heavy Oil	ND	56.7		mg/Kg-dry	1	1/30/2014 10:32:00 PM
Surr: 2-Fluorobiphenyl	109	50-150		%REC	1	1/30/2014 10:32:00 PM
Surr: o-Terphenyl	110	50-150		%REC	1	1/30/2014 10:32:00 PM

<u>Gasoline by NWTPH-Gx</u>					Batch ID: R12284	Analyst: EM
Gasoline	ND	5.58		mg/Kg-dry	1	1/31/2014 7:37:00 AM
Surr: Toluene-d8	101	65-135		%REC	1	1/31/2014 7:37:00 AM
Surr: 4-Bromofluorobenzene	120	65-135		%REC	1	1/31/2014 7:37:00 AM

<u>Volatile Organic Compounds by EPA Method 8260</u>					Batch ID: 6477	Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0670		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Chloromethane	ND	0.0670		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Vinyl chloride	ND	0.00223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Bromomethane	ND	0.100		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0558		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Chloroethane	ND	0.0670		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,1-Dichloroethene	ND	0.0558		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Methylene chloride	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
trans-1,2-Dichloroethene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0558		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,1-Dichloroethane	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
2,2-Dichloropropane	ND	0.0558		mg/Kg-dry	1	1/31/2014 1:29:00 PM
cis-1,2-Dichloroethene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Chloroform	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,1-Dichloropropene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Carbon tetrachloride	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2-Dichloroethane (EDC)	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Benzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Trichloroethene (TCE)	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2-Dichloropropane	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Bromodichloromethane	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit
 D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 12:20:00 PM

Project: Former Pace National

Lab ID: 1401263-003

Matrix: Soil

Client Sample ID: Area3-Base6-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Dibromomethane	ND	0.0446		mg/Kg-dry	1	1/31/2014 1:29:00 PM
cis-1,3-Dichloropropene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Toluene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
trans-1,3-Dichloropropylene	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,1,2-Trichloroethane	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,3-Dichloropropane	ND	0.0558		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Tetrachloroethene (PCE)	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Dibromochloromethane	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2-Dibromoethane (EDB)	ND	0.00558		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Chlorobenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Ethylbenzene	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
m,p-Xylene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
o-Xylene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Styrene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Isopropylbenzene	ND	0.0893		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Bromoform	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
n-Propylbenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Bromobenzene	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,3,5-Trimethylbenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
2-Chlorotoluene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
4-Chlorotoluene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
tert-Butylbenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2,3-Trichloropropane	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2,4-Trichlorobenzene	ND	0.0558		mg/Kg-dry	1	1/31/2014 1:29:00 PM
sec-Butylbenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
4-Isopropyltoluene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,3-Dichlorobenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,4-Dichlorobenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
n-Butylbenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2-Dichlorobenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2,4-Trimethylbenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Hexachlorobutadiene	ND	0.112		mg/Kg-dry	1	1/31/2014 1:29:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 12:20:00 PM

Project: Former Pace National

Lab ID: 1401263-003

Matrix: Soil

Client Sample ID: Area3-Base6-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Naphthalene	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2,3-Trichlorobenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Surr: Dibromofluoromethane	101	63.7-129		%REC	1	1/31/2014 1:29:00 PM
Surr: Toluene-d8	103	61.4-128		%REC	1	1/31/2014 1:29:00 PM
Surr: 1-Bromo-4-fluorobenzene	114	63.1-141		%REC	1	1/31/2014 1:29:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R12272

Analyst: KZ

Percent Moisture	19.3			wt%	1	1/30/2014 3:11:49 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 1:15:00 PM

Project: Former Pace National

Lab ID: 1401263-004

Matrix: Soil

Client Sample ID: Area3-SSW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6480

Analyst: BR

Diesel (Fuel Oil)	ND	24.1		mg/Kg-dry	1	1/30/2014 11:00:00 PM
Heavy Oil	ND	60.3		mg/Kg-dry	1	1/30/2014 11:00:00 PM
Surr: 2-Fluorobiphenyl	107	50-150		%REC	1	1/30/2014 11:00:00 PM
Surr: o-Terphenyl	107	50-150		%REC	1	1/30/2014 11:00:00 PM

Gasoline by NWTPH-Gx

Batch ID: R12284

Analyst: EM

Gasoline	ND	5.07		mg/Kg-dry	1	1/31/2014 8:06:00 AM
Surr: Toluene-d8	98.7	65-135		%REC	1	1/31/2014 8:06:00 AM
Surr: 4-Bromofluorobenzene	132	65-135		%REC	1	1/31/2014 8:06:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0609		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Chloromethane	ND	0.0609		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Vinyl chloride	ND	0.00203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Bromomethane	ND	0.0913		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0507		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Chloroethane	ND	0.0609		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1-Dichloroethene	ND	0.0507		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Methylene chloride	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
trans-1,2-Dichloroethene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0507		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1-Dichloroethane	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
2,2-Dichloropropane	ND	0.0507		mg/Kg-dry	1	1/31/2014 1:56:00 PM
cis-1,2-Dichloroethene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Chloroform	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1-Dichloropropene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Carbon tetrachloride	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2-Dichloroethane (EDC)	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Benzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Trichloroethene (TCE)	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2-Dichloropropane	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Bromodichloromethane	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 1:15:00 PM

Project: Former Pace National

Lab ID: 1401263-004

Matrix: Soil

Client Sample ID: Area3-SSW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Dibromomethane	ND	0.0406		mg/Kg-dry	1	1/31/2014 1:56:00 PM
cis-1,3-Dichloropropene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Toluene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
trans-1,3-Dichloropropylene	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1,2-Trichloroethane	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,3-Dichloropropane	ND	0.0507		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Tetrachloroethene (PCE)	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Dibromochloromethane	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2-Dibromoethane (EDB)	ND	0.00507		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Chlorobenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Ethylbenzene	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
m,p-Xylene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
o-Xylene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Styrene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Isopropylbenzene	ND	0.0812		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Bromoform	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
n-Propylbenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Bromobenzene	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,3,5-Trimethylbenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
2-Chlorotoluene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
4-Chlorotoluene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
tert-Butylbenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2,3-Trichloropropane	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2,4-Trichlorobenzene	ND	0.0507		mg/Kg-dry	1	1/31/2014 1:56:00 PM
sec-Butylbenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
4-Isopropyltoluene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,3-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,4-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
n-Butylbenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2,4-Trimethylbenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Hexachlorobutadiene	ND	0.101		mg/Kg-dry	1	1/31/2014 1:56:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 1:15:00 PM

Project: Former Pace National

Lab ID: 1401263-004

Matrix: Soil

Client Sample ID: Area3-SSW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Naphthalene	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2,3-Trichlorobenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Surr: Dibromofluoromethane	99.7	63.7-129		%REC	1	1/31/2014 1:56:00 PM
Surr: Toluene-d8	102	61.4-128		%REC	1	1/31/2014 1:56:00 PM
Surr: 1-Bromo-4-fluorobenzene	122	63.1-141		%REC	1	1/31/2014 1:56:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R12272

Analyst: KZ

Percent Moisture	18.1			wt%	1	1/30/2014 3:11:49 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 12/13/2013 1:30:00 PM

Project: Former Pace National

Lab ID: 1401263-005

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: R12284 Analyst: EM

Gasoline	ND	5.00	H	mg/Kg	1	1/31/2014 4:11:00 AM
Surr: Toluene-d8	111	65-135	H	%REC	1	1/31/2014 4:11:00 AM
Surr: 4-Bromofluorobenzene	120	65-135	H	%REC	1	1/31/2014 4:11:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477 Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0600	H	mg/Kg	1	1/31/2014 4:11:00 AM
Chloromethane	ND	0.0600	H	mg/Kg	1	1/31/2014 4:11:00 AM
Vinyl chloride	ND	0.00200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Bromomethane	ND	0.0900	H	mg/Kg	1	1/31/2014 4:11:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500	H	mg/Kg	1	1/31/2014 4:11:00 AM
Chloroethane	ND	0.0600	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,1-Dichloroethene	ND	0.0500	H	mg/Kg	1	1/31/2014 4:11:00 AM
Methylene chloride	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
trans-1,2-Dichloroethene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0500	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,1-Dichloroethane	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
2,2-Dichloropropane	ND	0.0500	H	mg/Kg	1	1/31/2014 4:11:00 AM
cis-1,2-Dichloroethene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Chloroform	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,1-Dichloropropene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Carbon tetrachloride	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,2-Dichloroethane (EDC)	ND	0.0300	H	mg/Kg	1	1/31/2014 4:11:00 AM
Benzene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Trichloroethene (TCE)	ND	0.0300	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,2-Dichloropropane	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Bromodichloromethane	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Dibromomethane	ND	0.0400	H	mg/Kg	1	1/31/2014 4:11:00 AM
cis-1,3-Dichloropropene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Toluene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
trans-1,3-Dichloropropylene	ND	0.0300	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,1,2-Trichloroethane	ND	0.0300	*H	mg/Kg	1	1/31/2014 4:11:00 AM
1,3-Dichloropropane	ND	0.0500	H	mg/Kg	1	1/31/2014 4:11:00 AM
Tetrachloroethene (PCE)	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 12/13/2013 1:30:00 PM

Project: Former Pace National

Lab ID: 1401263-005

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Dibromochloromethane	ND	0.0300	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,2-Dibromoethane (EDB)	ND	0.00500	H	mg/Kg	1	1/31/2014 4:11:00 AM
Chlorobenzene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0300	H	mg/Kg	1	1/31/2014 4:11:00 AM
Ethylbenzene	ND	0.0300	H	mg/Kg	1	1/31/2014 4:11:00 AM
m,p-Xylene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
o-Xylene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Styrene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Isopropylbenzene	ND	0.0800	H	mg/Kg	1	1/31/2014 4:11:00 AM
Bromoform	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
n-Propylbenzene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Bromobenzene	ND	0.0300	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,3,5-Trimethylbenzene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
2-Chlorotoluene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
4-Chlorotoluene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
tert-Butylbenzene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,2,3-Trichloropropane	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,2,4-Trichlorobenzene	ND	0.0500	H	mg/Kg	1	1/31/2014 4:11:00 AM
sec-Butylbenzene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
4-Isopropyltoluene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,3-Dichlorobenzene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,4-Dichlorobenzene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
n-Butylbenzene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,2-Dichlorobenzene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0300	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,2,4-Trimethylbenzene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Hexachlorobutadiene	ND	0.100	H	mg/Kg	1	1/31/2014 4:11:00 AM
Naphthalene	ND	0.0300	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,2,3-Trichlorobenzene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Surr: Dibromofluoromethane	99.8	63.7-129	H	%REC	1	1/31/2014 4:11:00 AM
Surr: Toluene-d8	66.6	61.4-128	H	%REC	1	1/31/2014 4:11:00 AM
Surr: 1-Bromo-4-fluorobenzene	114	63.1-141	H	%REC	1	1/31/2014 4:11:00 AM

NOTES:

* - Flagged value is not within established control limits.

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

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 1401263-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/30/2014	RunNo: 12285							
Client ID: Area3-Base4-14	Batch ID: 6480	Analysis Date: 1/30/2014	SeqNo: 245123								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.9						0		30	
Heavy Oil	ND	52.1						0		30	
Surr: 2-Fluorobiphenyl	22.7		20.85		109	50	150		0		
Surr: o-Terphenyl	22.6		20.85		109	50	150		0		

Sample ID: LCS-6480	SampType: LCS	Units: mg/Kg	Prep Date: 1/30/2014	RunNo: 12285							
Client ID: LCSS	Batch ID: 6480	Analysis Date: 1/30/2014	SeqNo: 245142								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	550	20.0	500.0	0	110	65	135				
Surr: 2-Fluorobiphenyl	21.7		20.00		109	50	150				
Surr: o-Terphenyl	22.2		20.00		111	50	150				

Sample ID: MB-6480	SampType: MBLK	Units: mg/Kg	Prep Date: 1/30/2014	RunNo: 12285							
Client ID: MBLKS	Batch ID: 6480	Analysis Date: 1/30/2014	SeqNo: 245143								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	21.9		20.00		110	50	150				
Surr: o-Terphenyl	22.2		20.00		111	50	150				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 1401263-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/30/2014	RunNo: 12284							
Client ID: Area3-Base4-14	Batch ID: R12284		Analysis Date: 1/31/2014	SeqNo: 245113							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.25						0		30	
Surr: Toluene-d8	2.05		2.623		78.3	65	135		0		
Surr: 4-Bromofluorobenzene	2.25		2.623		85.8	65	135		0		

Sample ID: LCS-R12284	SampType: LCS	Units: mg/Kg	Prep Date: 1/31/2014	RunNo: 12284							
Client ID: LCSS	Batch ID: R12284		Analysis Date: 1/31/2014	SeqNo: 245119							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	27.9	5.00	25.00	0	112	65	135				
Surr: Toluene-d8	2.91		2.500		116	65	135				
Surr: 4-Bromofluorobenzene	3.02		2.500		121	65	135				

Sample ID: MB-R12284	SampType: MBLK	Units: mg/Kg	Prep Date: 1/31/2014	RunNo: 12284							
Client ID: MBLKS	Batch ID: R12284		Analysis Date: 1/31/2014	SeqNo: 245120							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	3.31		2.500		132	65	135				
Surr: 4-Bromofluorobenzene	2.90		2.500		116	65	135				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 1/31/2014

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1401263-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/30/2014	RunNo: 12282							
Client ID: Area3-Base4-14	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245020							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0629						0		30	
Chloromethane	ND	0.0629						0		30	
Vinyl chloride	ND	0.00210						0		30	
Bromomethane	ND	0.0944						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0525						0		30	
Chloroethane	ND	0.0629						0		30	
1,1-Dichloroethene	ND	0.0525						0		30	
Methylene chloride	ND	0.0210						0		30	
trans-1,2-Dichloroethene	ND	0.0210						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0525						0		30	
1,1-Dichloroethane	ND	0.0210						0		30	
2,2-Dichloropropane	ND	0.0525						0		30	
cis-1,2-Dichloroethene	ND	0.0210						0		30	
Chloroform	ND	0.0210						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0210						0		30	
1,1-Dichloropropene	ND	0.0210						0		30	
Carbon tetrachloride	ND	0.0210						0		30	
1,2-Dichloroethane (EDC)	ND	0.0315						0		30	
Benzene	ND	0.0210						0		30	
Trichloroethene (TCE)	ND	0.0210						0		30	
1,2-Dichloropropane	ND	0.0210						0		30	
Bromodichloromethane	ND	0.0210						0		30	
Dibromomethane	ND	0.0420						0		30	
cis-1,3-Dichloropropene	ND	0.0210						0		30	
Toluene	ND	0.0210						0		30	
trans-1,3-Dichloropropylene	ND	0.0315						0		30	
1,1,2-Trichloroethane	ND	0.0315						0		30	*
1,3-Dichloropropane	ND	0.0525						0		30	
Tetrachloroethene (PCE)	ND	0.0210						0		30	

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
R RPD outside accepted recovery limits RL Reporting Limit S Spike recovery outside accepted recovery limits



Date: 1/31/2014

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1401263-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/30/2014	RunNo: 12282							
Client ID: Area3-Base4-14	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245020							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	0.0315						0		30	
1,2-Dibromoethane (EDB)	ND	0.00525						0		30	
Chlorobenzene	ND	0.0210						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0315						0		30	
Ethylbenzene	ND	0.0315						0		30	
m,p-Xylene	ND	0.0210						0		30	
o-Xylene	ND	0.0210						0		30	
Styrene	ND	0.0210						0		30	
Isopropylbenzene	ND	0.0839						0		30	
Bromoform	ND	0.0210						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0210						0		30	
n-Propylbenzene	ND	0.0210						0		30	
Bromobenzene	ND	0.0315						0		30	
1,3,5-Trimethylbenzene	ND	0.0210						0		30	
2-Chlorotoluene	ND	0.0210						0		30	
4-Chlorotoluene	ND	0.0210						0		30	
tert-Butylbenzene	ND	0.0210						0		30	
1,2,3-Trichloropropane	ND	0.0210						0		30	
1,2,4-Trichlorobenzene	ND	0.0525						0		30	
sec-Butylbenzene	ND	0.0210						0		30	
4-Isopropyltoluene	ND	0.0210						0		30	
1,3-Dichlorobenzene	ND	0.0210						0		30	
1,4-Dichlorobenzene	ND	0.0210						0		30	
n-Butylbenzene	ND	0.0210						0		30	
1,2-Dichlorobenzene	ND	0.0210						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0315						0		30	
1,2,4-Trimethylbenzene	ND	0.0210						0		30	
Hexachlorobutadiene	ND	0.105						0		30	
Naphthalene	ND	0.0315						0		30	

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1401263-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/30/2014	RunNo: 12282							
Client ID: Area3-Base4-14	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245020							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	ND	0.0210						0		30	
Surr: Dibromofluoromethane	2.23		2.623		84.9	63.7	129		0		
Surr: Toluene-d8	1.64		2.623		62.4	61.4	128		0		
Surr: 1-Bromo-4-fluorobenzene	2.15		2.623		82.2	63.1	141		0		

NOTES:

* - Flagged value is not within established control limits.

Sample ID: 1401263-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/30/2014	RunNo: 12282							
Client ID: Area3-Base5-14	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245022							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	1.09	0.0689	1.148	0	94.5	43.5	121				
Chloromethane	0.892	0.0689	1.148	0	77.6	45	130				
Vinyl chloride	0.984	0.00230	1.148	0	85.7	51.2	146				
Bromomethane	1.70	0.103	1.148	0	148	21.3	120				S
Trichlorofluoromethane (CFC-11)	1.52	0.0574	1.148	0	132	35	131				S
Chloroethane	1.40	0.0689	1.148	0	122	43.8	117				S
1,1-Dichloroethene	1.37	0.0574	1.148	0	120	61.9	141				
Methylene chloride	0.999	0.0230	1.148	0	87.0	54.7	142				
trans-1,2-Dichloroethene	1.01	0.0230	1.148	0	88.3	52	136				
Methyl tert-butyl ether (MTBE)	1.06	0.0574	1.148	0	92.7	54.4	132				
1,1-Dichloroethane	1.08	0.0230	1.148	0	94.0	51.8	141				
2,2-Dichloropropane	1.03	0.0574	1.148	0	89.8	36	123				
cis-1,2-Dichloroethene	1.01	0.0230	1.148	0	87.7	58.6	136				
Chloroform	1.25	0.0230	1.148	0	109	53.2	129				
1,1,1-Trichloroethane (TCA)	1.32	0.0230	1.148	0	115	58.3	145				
1,1-Dichloropropene	1.27	0.0230	1.148	0	110	55.1	138				
Carbon tetrachloride	1.44	0.0230	1.148	0	125	53.3	144				
1,2-Dichloroethane (EDC)	1.33	0.0344	1.148	0	116	51.3	139				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1401263-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/30/2014	RunNo: 12282							
Client ID: Area3-Base5-14	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245022							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.06	0.0230	1.148	0	92.6	63.5	133				
Trichloroethene (TCE)	1.09	0.0230	1.148	0	95.3	68.6	132				
1,2-Dichloropropane	0.965	0.0230	1.148	0	84.0	59	136				
Bromodichloromethane	1.20	0.0230	1.148	0	105	50.7	141				
Dibromomethane	1.08	0.0459	1.148	0	94.4	50.6	137				
cis-1,3-Dichloropropene	0.720	0.0230	1.148	0	62.7	50.4	138				
Toluene	0.600	0.0230	1.148	0	52.3	63.4	132				S
trans-1,3-Dichloropropylene	0.788	0.0344	1.148	0	68.6	44.1	147				
1,1,2-Trichloroethane	0.653	0.0344	1.148	0	56.8	51.6	137				
1,3-Dichloropropane	0.649	0.0574	1.148	0	56.5	53.1	134				
Tetrachloroethene (PCE)	0.734	0.0230	1.148	0	63.9	35.6	158				
Dibromochloromethane	0.854	0.0344	1.148	0	74.4	55.3	140				
1,2-Dibromoethane (EDB)	0.673	0.00574	1.148	0	58.6	50.4	136				
Chlorobenzene	1.15	0.0230	1.148	0	100	60	133				
1,1,1,2-Tetrachloroethane	1.39	0.0344	1.148	0	121	53.1	142				
Ethylbenzene	1.26	0.0344	1.148	0	110	54.5	134				
m,p-Xylene	2.35	0.0230	2.296	0	102	53.1	132				
o-Xylene	1.19	0.0230	1.148	0	103	53.3	139				
Styrene	1.20	0.0230	1.148	0	104	51.1	132				
Isopropylbenzene	1.28	0.0919	1.148	0	112	58.9	138				
Bromoform	1.54	0.0230	1.148	0	134	57.9	130				S
1,1,2,2-Tetrachloroethane	0.917	0.0230	1.148	0	79.9	51.9	131				
n-Propylbenzene	1.27	0.0230	1.148	0	110	53.6	140				
Bromobenzene	1.24	0.0344	1.148	0	108	54.2	140				
1,3,5-Trimethylbenzene	1.37	0.0230	1.148	0	120	51.8	136				
2-Chlorotoluene	1.35	0.0230	1.148	0	118	51.6	136				
4-Chlorotoluene	1.50	0.0230	1.148	0	131	50.1	139				
tert-Butylbenzene	1.37	0.0230	1.148	0	120	50.5	135				
1,2,3-Trichloropropane	1.13	0.0230	1.148	0	98.8	50.5	131				

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1401263-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/30/2014	RunNo: 12282							
Client ID: Area3-Base5-14	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245022							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	1.18	0.0574	1.148	0	103	50.8	130				
sec-Butylbenzene	1.26	0.0230	1.148	0	110	52.6	141				
4-Isopropyltoluene	1.51	0.0230	1.148	0	132	52.9	134				
1,3-Dichlorobenzene	1.04	0.0230	1.148	0	90.5	52.6	131				
1,4-Dichlorobenzene	1.15	0.0230	1.148	0	99.9	52.9	129				
n-Butylbenzene	1.24	0.0230	1.148	0	108	52.6	130				
1,2-Dichlorobenzene	1.11	0.0230	1.148	0	96.6	55.8	129				
1,2-Dibromo-3-chloropropane	1.22	0.0344	1.148	0	106	40.5	131				
1,2,4-Trimethylbenzene	1.37	0.0230	1.148	0	120	50.6	137				
Hexachlorobutadiene	1.51	0.115	1.148	0	131	40.6	158				
Naphthalene	1.02	0.0344	1.148	0	88.7	52.3	124				
1,2,3-Trichlorobenzene	1.13	0.0230	1.148	0	98.6	54.4	124				
Surr: Dibromofluoromethane	2.74		2.870		95.6	63.7	129				
Surr: Toluene-d8	2.17		2.870		75.8	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	3.62		2.870		126	63.1	141				

NOTES:

* - Flagged value is not within established control limits.
S - Outlying QC recoveries were observed. The method is in control as indicated by the LCS.

Sample ID: ICV-6477	SampType: ICV	Units: µg/L	Prep Date: 1/30/2014	RunNo: 12282							
Client ID: ICV	Batch ID: 6477		Analysis Date: 1/30/2014	SeqNo: 245027							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Toluene	16.0	0.0200	20.00	0	79.8	70	130				
1,3-Dichloropropane	14.3	0.0500	20.00	0	71.6	70	130				
1,2-Dibromoethane (EDB)	14.2	0.00500	20.00	0	71.0	70	130				
Surr: Dibromofluoromethane	50.3		50.00		101	63.7	129				
Surr: Toluene-d8	34.1		50.00		68.3	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	59.3		50.00		119	63.1	141				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: ICV-6477	SampType: ICV	Units: µg/L	Prep Date: 1/30/2014	RunNo: 12282							
Client ID: ICV	Batch ID: 6477		Analysis Date: 1/30/2014	SeqNo: 245027							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: MB-6477	SampType: MBLK	Units: mg/Kg	Prep Date: 1/30/2014	RunNo: 12282							
Client ID: MBLKS	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245029							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0600
Chloromethane	ND	0.0600
Vinyl chloride	ND	0.00200
Bromomethane	ND	0.0900
Trichlorofluoromethane (CFC-11)	ND	0.0500
Chloroethane	ND	0.0600
1,1-Dichloroethene	ND	0.0500
Methylene chloride	ND	0.0200
trans-1,2-Dichloroethene	ND	0.0200
Methyl tert-butyl ether (MTBE)	ND	0.0500
1,1-Dichloroethane	ND	0.0200
2,2-Dichloropropane	ND	0.0500
cis-1,2-Dichloroethene	ND	0.0200
Chloroform	ND	0.0200
1,1,1-Trichloroethane (TCA)	ND	0.0200
1,1-Dichloropropene	ND	0.0200
Carbon tetrachloride	ND	0.0200
1,2-Dichloroethane (EDC)	ND	0.0300
Benzene	ND	0.0200
Trichloroethene (TCE)	ND	0.0200
1,2-Dichloropropane	ND	0.0200
Bromodichloromethane	ND	0.0200
Dibromomethane	ND	0.0400

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
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits



Date: 1/31/2014

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-6477	SampType: MBLK	Units: mg/Kg	Prep Date: 1/30/2014	RunNo: 12282							
Client ID: MBLKS	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245029							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									*
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-6477	SampType: MBLK	Units: mg/Kg	Prep Date: 1/30/2014	RunNo: 12282							
Client ID: MBLKS	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245029							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachlorobutadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: Dibromofluoromethane	2.46		2.500		98.4	63.7	129				
Surr: Toluene-d8	2.02		2.500		80.8	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	2.77		2.500		111	63.1	141				

NOTES:

* - Flagged value is not within established control limits.

Sample ID: LCS-6477	SampType: LCS	Units: mg/Kg	Prep Date: 1/30/2014	RunNo: 12282							
Client ID: LCSS	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245163							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.993	0.0600	1.000	0	99.3	37.7	136				
Chloromethane	0.762	0.0600	1.000	0	76.2	38.8	132				
Vinyl chloride	0.827	0.00200	1.000	0	82.7	56.1	130				
Bromomethane	1.38	0.0900	1.000	0	138	41.3	148				
Trichlorofluoromethane (CFC-11)	1.30	0.0500	1.000	0	130	60.3	132				
Chloroethane	1.32	0.0600	1.000	0	132	37.1	144				
1,1-Dichloroethene	1.04	0.0500	1.000	0	104	49.7	142				
Methylene chloride	0.850	0.0200	1.000	0	85.0	57.6	135				
trans-1,2-Dichloroethene	0.830	0.0200	1.000	0	83.0	55	139				
Methyl tert-butyl ether (MTBE)	0.872	0.0500	1.000	0	87.2	59.1	138				
1,1-Dichloroethane	0.978	0.0200	1.000	0	97.8	65.5	132				
2,2-Dichloropropane	0.925	0.0500	1.000	0	92.5	28.1	149				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6477	SampType: LCS	Units: mg/Kg	Prep Date: 1/30/2014	RunNo: 12282
Client ID: LCSS	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245163

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	0.927	0.0200	1.000	0	92.7	71.6	123				
Chloroform	1.08	0.0200	1.000	0	108	67.5	129				
1,1,1-Trichloroethane (TCA)	1.14	0.0200	1.000	0	114	69	132				
1,1-Dichloropropene	0.991	0.0200	1.000	0	99.1	72.7	131				
Carbon tetrachloride	1.08	0.0200	1.000	0	108	63.4	137				
1,2-Dichloroethane (EDC)	1.06	0.0300	1.000	0	106	61.9	136				
Benzene	0.862	0.0200	1.000	0	86.2	74.6	124				
Trichloroethene (TCE)	0.874	0.0200	1.000	0	87.4	67.4	133				
1,2-Dichloropropane	0.792	0.0200	1.000	0	79.2	72.7	133				
Bromodichloromethane	0.911	0.0200	1.000	0	91.1	76.1	136				
Dibromomethane	0.760	0.0400	1.000	0	76.0	70	130				
cis-1,3-Dichloropropene	1.00	0.0200	1.000	0	100	59.1	143				
Toluene	0.575	0.0200	1.000	0	57.5	80.9	124				S
trans-1,3-Dichloropropylene	0.715	0.0300	1.000	0	71.5	49.2	149				
1,1,2-Trichloroethane	0.603	0.0300	1.000	0	60.3	74.5	129				S
1,3-Dichloropropane	0.618	0.0500	1.000	0	61.8	70	130				S
Tetrachloroethene (PCE)	0.670	0.0200	1.000	0	67.0	52.7	150				
Dibromochloromethane	0.751	0.0300	1.000	0	75.1	70.6	144				
1,2-Dibromoethane (EDB)	0.640	0.00500	1.000	0	64.0	70	130				S
Chlorobenzene	0.990	0.0200	1.000	0	99.0	76.1	123				
1,1,1,2-Tetrachloroethane	1.17	0.0300	1.000	0	117	74.8	131				
Ethylbenzene	0.998	0.0300	1.000	0	99.8	74	129				
m,p-Xylene	1.88	0.0200	2.000	0	93.8	79.8	128				
o-Xylene	0.934	0.0200	1.000	0	93.4	72.7	124				
Styrene	0.920	0.0200	1.000	0	92.0	76.8	130				
Isopropylbenzene	1.00	0.0800	1.000	0	100	70	130				
Bromoform	1.23	0.0200	1.000	0	123	67	154				
1,1,2,2-Tetrachloroethane	0.732	0.0200	1.000	0	73.2	60	130				
n-Propylbenzene	0.968	0.0200	1.000	0	96.8	74.8	125				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401263
 CLIENT: PES Environmental, Inc.
 Project: Former Pace National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: LCS-6477	SampType: LCS	Units: mg/Kg	Prep Date: 1/30/2014	RunNo: 12282
Client ID: LCSS	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245163

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	1.03	0.0300	1.000	0	103	49.2	144				
1,3,5-Trimethylbenzene	1.16	0.0200	1.000	0	116	74.6	123				
2-Chlorotoluene	1.03	0.0200	1.000	0	103	76.7	129				
4-Chlorotoluene	1.24	0.0200	1.000	0	124	77.5	125				
tert-Butylbenzene	1.07	0.0200	1.000	0	107	66.2	130				
1,2,3-Trichloropropane	0.937	0.0200	1.000	0	93.6	67.9	136				
1,2,4-Trichlorobenzene	0.950	0.0500	1.000	0	95.0	65.6	137				
sec-Butylbenzene	1.15	0.0200	1.000	0	115	75.6	133				
4-Isopropyltoluene	1.14	0.0200	1.000	0	114	76.8	131				
1,3-Dichlorobenzene	0.876	0.0200	1.000	0	87.6	72.8	128				
1,4-Dichlorobenzene	0.993	0.0200	1.000	0	99.3	72.6	126				
n-Butylbenzene	0.848	0.0200	1.000	0	84.8	65.3	136				
1,2-Dichlorobenzene	0.830	0.0200	1.000	0	83.0	72.8	126				
1,2-Dibromo-3-chloropropane	1.08	0.0300	1.000	0	108	60.3	130				
1,2,4-Trimethylbenzene	1.05	0.0200	1.000	0	105	77.5	129				
Hexachlorobutadiene	1.39	0.100	1.000	0	139	42	151				
Naphthalene	1.03	0.0300	1.000	0	103	64	130				
1,2,3-Trichlorobenzene	1.32	0.0200	1.000	0	132	62.1	140				
Surr: Dibromofluoromethane	2.52		2.500		101	63.7	129				
Surr: Toluene-d8	1.68		2.500		67.3	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	3.14		2.500		126	63.1	141				

NOTES:

* - Flagged value is not within established control limits.

S - Outlying QC recoveries were observed (Toluene, 1,1,2-Trichloroethane, 1,3-Dichloropropane, 1,2-Dibromoethane; low bias). The method is in control as indicated by the second source ICV. 1,1,2-Trichloroethane will be qualified with a "***".

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: CCV-6477	SampType: CCV	Units: µg/L	Prep Date: 1/31/2014	RunNo: 12298
Client ID: CCV	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245339

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	50.6	0.0600	20.00	0	253	80	120				S
Chloromethane	30.1	0.0600	20.00	0	151	80	120				S
Vinyl chloride	25.2	0.00200	20.00	0	126	80	120				S
Bromomethane	22.9	0.0900	20.00	0	115	80	120				
Trichlorofluoromethane (CFC-11)	28.9	0.0500	20.00	0	145	80	120				S
Chloroethane	27.1	0.0600	20.00	0	136	80	120				S
1,1-Dichloroethene	19.8	0.0500	20.00	0	98.8	80	120				
Methylene chloride	19.1	0.0200	20.00	0	95.4	80	120				
trans-1,2-Dichloroethene	18.6	0.0200	20.00	0	92.8	80	120				
Methyl tert-butyl ether (MTBE)	17.6	0.0500	20.00	0	88.1	80	120				
1,1-Dichloroethane	18.9	0.0200	20.00	0	94.5	80	120				
2,2-Dichloropropane	26.0	0.0500	20.00	0	130	80	120				S
cis-1,2-Dichloroethene	20.4	0.0200	20.00	0	102	80	120				
Chloroform	21.3	0.0200	20.00	0	107	80	120				
1,1,1-Trichloroethane (TCA)	21.2	0.0200	20.00	0	106	80	120				
1,1-Dichloropropene	20.9	0.0200	20.00	0	104	80	120				
Carbon tetrachloride	20.6	0.0200	20.00	0	103	80	120				
1,2-Dichloroethane (EDC)	20.8	0.0300	20.00	0	104	80	120				
Benzene	19.9	0.0200	20.00	0	99.3	80	120				
Trichloroethene (TCE)	19.0	0.0200	20.00	0	95.1	80	120				
1,2-Dichloropropane	19.8	0.0200	20.00	0	99.2	80	120				
Bromodichloromethane	21.1	0.0200	20.00	0	106	80	120				
Dibromomethane	20.0	0.0400	20.00	0	99.8	80	120				
cis-1,3-Dichloropropene	22.0	0.0200	20.00	0	110	80	120				
Toluene	20.7	0.0200	20.00	0	104	80	120				
trans-1,3-Dichloropropylene	20.8	0.0300	20.00	0	104	80	120				
1,1,2-Trichloroethane	19.2	0.0300	20.00	0	96.0	80	120				
1,3-Dichloropropane	21.4	0.0500	20.00	0	107	80	120				
Tetrachloroethene (PCE)	21.2	0.0200	20.00	0	106	80	120				

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
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: CCV-6477	SampType: CCV	Units: µg/L	Prep Date: 1/31/2014	RunNo: 12298
Client ID: CCV	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245339

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	21.4	0.0300	20.00	0	107	80	120				
1,2-Dibromoethane (EDB)	19.2	0.00500	20.00	0	96.0	80	120				
Chlorobenzene	19.8	0.0200	20.00	0	99.1	80	120				
1,1,1,2-Tetrachloroethane	19.8	0.0300	20.00	0	99.1	80	120				
Ethylbenzene	20.3	0.0300	20.00	0	102	80	120				
m,p-Xylene	39.9	0.0200	40.00	0	99.7	80	120				
o-Xylene	20.0	0.0200	20.00	0	100	80	120				
Styrene	20.3	0.0200	20.00	0	102	80	120				
Isopropylbenzene	20.5	0.0800	20.00	0	103	80	120				
Bromoform	21.1	0.0200	20.00	0	106	80	120				
1,1,2,2-Tetrachloroethane	20.8	0.0200	20.00	0	104	80	120				
n-Propylbenzene	21.0	0.0200	20.00	0	105	80	120				
Bromobenzene	20.5	0.0300	20.00	0	102	80	120				
1,3,5-Trimethylbenzene	20.7	0.0200	20.00	0	104	80	120				
2-Chlorotoluene	20.5	0.0200	20.00	0	102	80	120				
4-Chlorotoluene	20.7	0.0200	20.00	0	103	80	120				
tert-Butylbenzene	20.6	0.0200	20.00	0	103	80	120				
1,2,3-Trichloropropane	21.3	0.0200	20.00	0	106	80	120				
1,2,4-Trichlorobenzene	20.3	0.0500	20.00	0	102	80	120				
sec-Butylbenzene	20.5	0.0200	20.00	0	102	80	120				
4-Isopropyltoluene	21.4	0.0200	20.00	0	107	80	120				
1,3-Dichlorobenzene	20.2	0.0200	20.00	0	101	80	120				
1,4-Dichlorobenzene	19.2	0.0200	20.00	0	96.0	80	120				
n-Butylbenzene	19.9	0.0200	20.00	0	99.6	80	120				
1,2-Dichlorobenzene	19.8	0.0200	20.00	0	99.0	80	120				
1,2-Dibromo-3-chloropropane	21.5	0.0300	20.00	0	107	80	120				
1,2,4-Trimethylbenzene	20.8	0.0200	20.00	0	104	80	120				
Hexachlorobutadiene	21.1	0.100	20.00	0	106	80	120				
Naphthalene	19.9	0.0300	20.00	0	99.7	80	120				

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
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1401263
CLIENT: PES Environmental, Inc.
Project: Former Pace National

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: CCV-6477	SampType: CCV	Units: µg/L	Prep Date: 1/31/2014	RunNo: 12298							
Client ID: CCV	Batch ID: 6477		Analysis Date: 1/31/2014	SeqNo: 245339							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	19.8	0.0200	20.00	0	99.1	80	120				
Surr: Dibromofluoromethane	48.7		50.00		97.4	63.7	129				
Surr: Toluene-d8	49.5		50.00		99.0	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	60.8		50.00		122	63.1	141				

NOTES:

S - Outlying QC, high bias, recoveries were observed. There were no detections of these analytes in the following samples.

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits	D Dilution was required J Analyte detected below quantitation limits RL Reporting Limit	E Value above quantitation range ND Not detected at the Reporting Limit S Spike recovery outside accepted recovery limits
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Client Name: PES	Work Order Number: 1401263
Logged by: Chelsea Ward	Date Received: 1/30/2014 2:23:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody seals intact on shipping container/cooler? Yes No Not Required
6. Was an attempt made to cool the samples? Yes No NA
7. Were all coolers received at a temperature of >0°C to 10.0°C Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is the headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C	Condition
Cooler	6.3	Good
Sample	8.5	Good



Fremont

ANALYTICAL

Chain of Custody Record

3600 Fremont Ave N. Seattle, WA 98103

Tel: 206-352-3790 Fax: 206-352-7178

Date: 1-30-14 Laboratory Project No (Internal): 1401263

Client: PES Environmental, Inc. Address: 1215 4th Ave Suite 1350 Seattle WA 98161

Project Name: Former Pace National Location: 500 7th Ave S, Kirkland

City, State, ZIP: Reports To (PM): Balbani/Raskich

Collected by: C. DeBartolone Project No: 1006-00803

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GX/BTEX by EPA 8021b	BTEX by 8260	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics	SEMI VOL (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8062)	CI Pesticides (EPA 8091)	CI Herbicides (EPA 8151A)	Metals* (6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	Comments/Depth
1 Area3 - Base 4 - 14	1/30/14	1206	Soil	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2 Area3 - Base5 - 14		1213	soil	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3 Area3 - Base6 - 14		1220		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4 Area3 - 55W - 8		1315		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5 TRIP BLANK				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
9				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10				X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl U V Zn

Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-phosphate Fluoride Nitrate+Nitrite

Sample Disposal: Return to Client Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished	Date/Time	Received	Date/Time
x	1/30/14 1423	x	1/30/14 1423
x	1/30/14 1423	x	1/30/14 1423

APPENDIX D

DATA VALIDATION MEMORANDA

MEMORANDUM

TO: Project File **DATE:** November 21, 2013
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: November 18, 2013 Soil Samples
LAB: Fremont Analytical Service Request No. 1311201

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on November 18, 2013. Sixteen (16) primary soil samples and two blind field duplicate samples were collected from the site. A trip blank was also prepared by the laboratory and traveled with the samples.

Selected soil samples were analyzed for total petroleum hydrocarbons (TPH) as heavy oil (TPH-HO) by the Northwest TPH DX method and the volatile organic compounds (VOCs) toluene and xylenes by United States Environmental Protection Agency (USEPA) Method 8260. The TPH-HO analyses were performed in one analysis batch (ID 5893); the VOC analyses were performed in one analysis batch (ID 5900) except for the trip blank, which was analyzed in analysis batch 5916. Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1311201.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in one cooler at a cooler temperature of 6.6 degrees centigrade (°C). A sample in the cooler had a temperature of 8.3°C. The cooler and sample temperatures were above the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$. The samples in both coolers were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were delivered to the laboratory by courier on the day of sample collection within two hours and three minutes of the completion of the sample collection effort. Based upon this information, the samples did not have sufficient time to cool to within the recommended temperature levels prior to receipt by the laboratory. Because the samples were properly stored with cooling materials after collection and during transport to the laboratory, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx (for HO)

The extractions and analyses for the NWTPH-Dx (for HO) method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260

The extractions and analyses of the primary (field) samples for VOCS were performed within the recommended 14 day holding time limit for soil samples. The laboratory reported that the Trip Blank sample was analyzed outside of the holding time limit. Based upon this information, the Trip Blank results for VOCs are qualified as estimated and assigned a J flag. Laboratory report pages showing the assigned qualifiers are attached. The qualification of the Trip Blank data is not considered to affect the quality of the primary sample data. No other data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; however, the laboratory did report two sets of CCV results for the TPH-Dx (HO) analyses. The CCV %Rs for HO were within the laboratory control criteria; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx (for HO)

One method blank was analyzed with the single analysis batch. This meets the required method blank frequency for the analytical method. The method blank result did not detect TPH-HO at a concentration at or above the Method Reporting Limit (MRL). No data qualifications were warranted.

USEPA Method 8260

Two method blanks were analyzed with the two VOC analysis batches (one for the field samples and one for the trip blank). This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx (for HO)

A trip blank analysis was not required for the TPH-Dx method for HO. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA Method 8260

One trip blank was analyzed with the VOC analysis batch. The trip blank did not contain VOCs at a concentration at or above the MRL. It is noted that the trip blank was analyzed beyond the recommended holding time for the USEPA 8260 method. No data qualifications were warranted.

Field Duplicate Analyses

NWTPH-Dx (for HO)

A field duplicate analysis was not required for the TPH-Dx method for HO. No data qualifications were warranted due to the lack of a field duplicate analysis.

USEPA Method 8260

Two field duplicate samples were analyzed for VOCs. One sample, Area 4-Base 2-3, was a duplicate of primary sample Area 4-Base 1-3. This primary-duplicate sample pair was analyzed for xylenes. Xylenes were not detected in either the primary or the duplicate; therefore the duplicate RPD control criteria were met. A second duplicate, Area 5-Base 2-2, was a duplicate of primary sample Area 5-Base 1-2. This primary-duplicate sample pair was analyzed for toluene. Toluene was not detected in either the primary or the duplicate; therefore the duplicate RPD control criterion was met. No data qualifications were warranted.

Laboratory Duplicate Analyses

NWTPH-Dx (for HO)

A batch (non-project) duplicate sample was prepared and analyzed for HO by the NWTPH Dx method. The relative percent differences (RPD) for HO in the primary and duplicate samples was within the laboratory control criteria of 30 RPD. No data were qualified.

USEPA Method 8260

The laboratory prepared two batch (non-project) duplicate soil samples; one for each USEPA 8260 analysis batch. The RPDs for all target analyte pairs in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data qualifications were warranted.

Surrogate Recoveries

NWTPH-Dx (for HO)

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx (for HO)

Laboratory control samples (LCSs) are not required for the NWTPH-Dx method for HO. In lieu of LCS data for this analysis method, Fremont reported the results from two CCV samples that were analyzed with the project samples. The CCV results are discussed in the Continuing Calibration section above. No qualifications were warranted due to the lack of LCS data for this analytical method.

USEPA Method 8260

Two LCSs were prepared and analyzed; one for each USEPA 8260 analysis batch. This meets the required frequency of LCS analysis for the method. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx (for HO)

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

USEPA Method 8260

Two soil MSs were prepared and analyzed with the project samples; one for each of the two analytical batches. Sample duplicates were analyzed in lieu of MSDs for the samples. This is acceptable. The MS for analytical batch 5900 was prepared from project sample Area 4-Base 2-3. The MS for batch 5916 (the trip blank was the only sample in this batch) was prepared from a batch (non-project) sample. The %Rs for all target analytes in both MSs were within the laboratory control limits. No data in qualifications were warranted.

Other Quality Control Issues

As discussed in the holding time section above, the trip blank was analyzed outside of the recommended analysis holding time for the method and the trip blank results are qualified as estimated. The qualification of the trip blank data is not considered sufficient cause to warrant qualification of the associated primary sample VOC data. No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project. No data qualifiers were assigned based upon quantitation limits.

Data Assessment

The trip blank VOC results were qualified as estimated due to a holding time exceedances. The laboratory report page showing the assigned qualifiers is attached. No other data were qualified. All data, including the qualified trip blank data, are judged to be acceptable for their intended use.



CLIENT: PES Environmental, Inc.

Project: Pace/Google II

Lab ID: 1311201-001

Collection Date: 10/16/2013 3:03:00 PM

Client Sample ID: Trip Blank

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5916

Analyst: GH

Toluene	ND J	0.0200	H	mg/Kg	1	11/20/2013 7:19:00 AM
m,p-Xylene	ND J	0.0200	H	mg/Kg	1	11/20/2013 7:19:00 AM
o-Xylene	ND J	0.0200	H	mg/Kg	1	11/20/2013 7:19:00 AM
Surr: Dibromofluoromethane	105	63.7-129	H	%REC	1	11/20/2013 7:19:00 AM
Surr: Toluene-d8	113	61.4-128	H	%REC	1	11/20/2013 7:19:00 AM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141	H	%REC	1	11/20/2013 7:19:00 AM

Lab ID: 1311201-002

Collection Date: 11/18/2013 9:30:00 AM

Client Sample ID: Area 4-Base1-3

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5900

Analyst: GH

m,p-Xylene	ND	0.0258		mg/Kg-dry	1	11/19/2013 12:40:00 PM
o-Xylene	ND	0.0258		mg/Kg-dry	1	11/19/2013 12:40:00 PM
Surr: Dibromofluoromethane	104	63.7-129		%REC	1	11/19/2013 12:40:00 PM
Surr: Toluene-d8	104	61.4-128		%REC	1	11/19/2013 12:40:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	11/19/2013 12:40:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R11151

Analyst: JS

Percent Moisture	23.3			wt%	1	11/19/2013 2:37:03 PM
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Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

MEMORANDUM

TO: Project File **DATE:** November 25, 2013
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: November 19, 2013 Soil Samples
LAB: Fremont Analytical Service Request No. 1311217

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on November 19, 2013. Fourteen (14) primary soil samples and two blind field duplicates were collected from the site. A trip blank was also prepared by the laboratory and traveled with the samples.

Selected soil samples were analyzed for total petroleum hydrocarbons (TPH) as diesel (fuel oil) and heavy oil (HO) by the Northwest TPH DX method, organochlorine pesticides (PEST) by United States Environmental Protection Agency (USEPA) Method 8081 and volatile organic compounds (VOCs) by USEPA Method 8260. The TPH-Dx analyses were performed in one analysis group (ID 5907); the PEST analyses were performed in one analysis group (ID 5926); and the VOC analyses were performed in one primary analysis group (ID 5919). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1311217.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in one cooler at a cooler temperature of 7.7 degrees centigrade (°C). A sample in the cooler had a temperature of 7.9°C. The cooler and sample temperatures were above the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$. The samples in the cooler were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were delivered to the laboratory by courier on the day of sample collection within one hour and 22 minutes of the completion of the sample collection effort. Based upon this information, the samples did not have sufficient time to cool to within the recommended temperature levels prior to receipt by the laboratory. Because the samples were properly stored with cooling materials after collection and during transport to the laboratory, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA 8081

The extractions and analyses for PESTs were performed within the recommended seven day extraction/40 day holding time limit for soil samples.

USEPA Method 8260

The analyses for VOCS were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration verification (ICV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx

One method blank was analyzed with the single analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the Method Reporting Limits (MRLs). No data qualifications were warranted.

USEPA 8081

One method blank was analyzed with the single PEST analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

USEPA Method 8260

One method blank was analyzed with the single VOC analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA 8081

A trip blank analysis was not required for the PEST method. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA Method 8260

One trip blank sample was analyzed for VOCs. No VOC target analytes were detected in the trip blank. No data qualifications were warranted.

Field Duplicate Analyses

NWTPH-Dx

A field duplicate analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a field duplicate analysis.

USEPA Method 8081

One field duplicate sample was analyzed for PESTs. Area 8-Base 2-2.5 was a duplicate of primary sample Area 8-Base 1-2.5. This primary-duplicate sample pair was analyzed for gamma Chlordane and alpha Chlordane. Both compounds were not detected in either the primary or the duplicate; therefore the duplicate RPD control criterion was met. No data qualifications were warranted based upon the field duplicate results.

USEPA Method 8260

One field duplicate sample was analyzed for VOCs. Area 11-Base 2-4 was a duplicate of

primary sample Area 11-Base 1-4. This primary-duplicate sample pair was analyzed for naphthalene. Naphthalene was not detected in either the primary or the duplicate; therefore the duplicate RPD control criterion was met. No data qualifications were warranted based upon the field duplicate results.

Laboratory Duplicate Analyses

NWTPH-Dx

A laboratory duplicate is not required for this method. No data were qualified due to the lack of a laboratory duplicate analysis.

USEPA 8081

The laboratory prepared one duplicate soil sample for analysis group 5926 from project sample Area 8-NSW1-1.5. The primary and laboratory duplicate pair was analyzed by the USEPA 8081 method. The RPDs for all target analytes in the primary and duplicate sample were within the laboratory control criteria of 30 RPD. No data were qualified.

USEPA Method 8260

The laboratory prepared one duplicate soil sample for analysis group 5919 from project sample Area 11-SSW1-8. The primary and laboratory duplicate pair was analyzed by the USEPA 8260 method. The RPDs for all target analytes in the primary and duplicate sample were within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R.

USEPA 8081

The surrogate %R results for all USEPA Method 8081 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx

One laboratory control sample (LCS) was prepared and analyzed for the single analytical batch. The LCS %R for diesel was within the laboratory control limits. No qualifications were warranted. Note: The NWTPH-Dx method only requires a LCS diesel analysis; therefore a LCS result for heavy oil was not reported.

USEPA 8081

One LCS was prepared and analyzed for the single USEPA Method 8081 analytical batch. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

USEPA Method 8260

One LCS was prepared and analyzed for the single USEPA Method 8260 analytical batch. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

USEPA 8081

One soil MS sample was prepared and analyzed for the single PEST analysis group. The MS was prepared from project sample Area 8-SSW1-1.5 and analyzed with the project samples from analysis group 5926. A sample duplicate was analyzed in lieu of a MSD for the project. This is acceptable. The MS %Rs for all target analytes in analysis batch 5926 were within the laboratory control limits. No data qualifications were warranted based upon the MS results.

USEPA Method 8260

One soil MS sample was prepared and analyzed for the single VOC analysis group. The MS was prepared from project sample Area 11-WSW1-3 and analyzed with the project samples from analysis group 5919. A sample duplicate was analyzed in lieu of a MSD for the project. This is acceptable. The MS %Rs for all target analytes in analysis batch 5919 were within the laboratory control limits. No data qualifications were warranted based upon the MS results.

Other Quality Control Issues

No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project; therefore, no data qualifiers were assigned.

Data Assessment

No data were qualified. All data are judged to be acceptable for their intended use.

MEMORANDUM

TO: Project File **DATE:** November 22, 2013
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: November 20, 2013 Soil Samples
LAB: Fremont Analytical Service Request No. 1311236

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on November 20, 2013. Ten (10) primary soil samples and two blind field duplicates were collected from the site. A trip blank was also prepared by the laboratory and traveled with the samples.

Selected soil samples were analyzed for total petroleum hydrocarbons (TPH) as diesel (fuel oil) and heavy oil (HO) by the Northwest TPH DX method, TPH as gasoline by the NWTPH-Gx method, and volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260. The TPH-Dx analyses were performed in one analysis group (ID 5928); the TPH-Gx analyses were performed in one analysis group (ID 11193); and the VOC analyses were performed in two primary analysis groups (ID 5929 and 5930). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1311236.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in one cooler at a cooler temperature of 9.0 degrees centigrade (°C). A sample in the cooler had a temperature of 9.5°C. The cooler and sample temperatures were above the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$. The samples in both coolers were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were delivered to the laboratory by courier on the day of sample collection within 58 minutes of the completion of the sample collection effort. Based upon this information, the samples did not have sufficient time to cool to within the recommended temperature levels prior to receipt by the laboratory. Because the samples were properly stored with cooling materials after collection and during transport to the laboratory, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

NWTPH-Gx

The analyses for the NWTPH Gx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260

The analyses for VOCS were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration verification (ICV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx

One method blank was analyzed with the single analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the Method Reporting Limits (MRLs). No data qualifications were warranted.

NWTPH-Gx

One method blank was analyzed with the single analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

USEPA Method 8260

Two method blanks were analyzed; one with each of the two analysis groups. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

NWTPH-Gx

A trip blank analysis was not required for the TPH-Gx method. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA Method 8260

One trip blank sample was analyzed for VOCs. No VOC target analytes were detected in the trip blank. No data qualifications were warranted.

Field Duplicate Analyses

NWTPH-Dx

A field duplicate analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a field duplicate analysis.

NWTPH-Gx

A field duplicate analysis was not required for the TPH-Gx method. No data qualifications were warranted due to the lack of a field duplicate analysis.

USEPA Method 8260

Two field duplicate samples were analyzed for VOCs. Area 3-Base 2-11, was a duplicate of primary sample Area 3-Base 1-11. This primary-duplicate sample pair was analyzed for cis-1,2-dichloroethene. Cis-1,2-dichloroethene was not detected in either the primary or the duplicate;

therefore the duplicate RPD control criterion was met. A second duplicate, Area 10-Base 2-6, was a duplicate of primary sample Area 10- Base 1-6. This primary-duplicate sample pair was analyzed for naphthalene. Naphthalene was not detected in either the primary or the duplicate; therefore the duplicate RPD control criterion was met. No data qualifications were warranted based upon the field duplicate results.

Laboratory Duplicate Analyses

NWTPH-Dx

A laboratory duplicate is not required for this method. No data were qualified due to the lack of a laboratory duplicate analysis.

NWTPH-Gx

The laboratory prepared one duplicate soil sample for analysis group 11193 from project sample Area 3-SSW1-6. The primary and laboratory duplicate pair was analyzed by the NWTPH Gx method. The RPDs for all target analytes in the primary and duplicate sample were within the laboratory control criteria of 30 RPD. No data were qualified.

USEPA Method 8260

Two laboratory duplicates were prepared and analyzed; one for each of the two VOC analysis groups. The laboratory prepared one duplicate soil sample for analysis group 5930 from project sample Area 10-ESW1-5. The primary and laboratory duplicate pair was analyzed by USEPA Method 8260. The RPDs for all target analytes in the primary and duplicate sample were within the laboratory control criteria of 30 RPD. The laboratory also prepared one duplicate soil sample for analysis group 5929 from a batch (non-project) sample and analyzed the primary and laboratory duplicate pair by USEPA Method 8260. The RPDs for all target analytes in the second primary and duplicate sample pair were also within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R.

NWTPH-Gx

The surrogate %R results for all NWTPH Gx soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits of 65 to 135% except for the laboratory duplicate sample. The %Rs for both surrogates exceeded the upper control limit, indicating a potential high bias in the results for the duplicate. The primary-duplicate RPD for TPH-Gx met the control criterion; therefore, the potential high bias does not appear to have affected the duplicate results. Based upon this information, the surrogate exceedances in the laboratory duplicate are not considered sufficient cause to warrant qualification of the data. No data qualifications were made.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx

One laboratory control sample (LCS) was prepared and analyzed for the single analytical batch. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

NWTPH-Gx

One LCS was prepared and analyzed for the single analytical batch. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

USEPA Method 8260

Two LCSs were prepared and analyzed; one with each of the two VOC analytical batches. The LCS %Rs for all target analytes were within the laboratory control limits except for dichlorodifluoromethane in the LCS for analytical batch 5930. The LCS %R for dichlorodifluoromethane was below the lower control limit, indicating a potential low bias in associated project sample results. Dichlorodifluoromethane was a VOC target analyte in two project samples (Area 10-ESW1-5 and Area 3-SSW1-8) and dichlorodifluoromethane was not detected in either sample. Based upon the LCS result for dichlorodifluoromethane, the dichlorodifluoromethane results (not detected) for these two samples are qualified as rejected and assigned an R flag. The laboratory report pages showing the assigned flags are attached. No other qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

NWTPH-Gx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Gx method.

USEPA Method 8260

Two soil MS samples were prepared and analyzed; one for each of the two VOC analysis groups. One soil MS was prepared from project sample Area 3, Base 1-11 and analyzed with the project samples from analysis group 5930. A sample duplicate was analyzed in lieu of a MSD for the project. This is acceptable. The MS %Rs for all target analytes in analysis batch 5930 were within the laboratory control limits except for dichlorodifluoromethane, bromomethane, trichlorofluoromethane and chloromethane. The dichlorodifluoromethane %R for this compound was below the lower control limit and the %Rs for the remaining three compounds exceeded the upper control limit. These four compounds were reported target analytes in only two of the

project samples (Area 10-ESW1-5 and Area 3-SSW1-8) and the compounds were not detected in either of the two samples. Because the four compounds were not detected at detection limits that were more than one order of magnitude less than the spike concentration, the MS exceedances for these compounds are not considered sufficient cause to warrant qualification of the data. However, dichlorodifluoromethane was qualified as rejected in samples Area 10-ESW1-5 and Area 3-SSW1-8 for a QC failure in the LCS analysis (see LCS section above for explanation). For analysis group 5929, a batch (non-project) MS was prepared and analyzed. The MS %Rs for all target analytes were within the control criteria. Based upon the information cited above, no data qualifications were warranted based upon the MS results.

Other Quality Control Issues

No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project; therefore, no data qualifiers were assigned.

Data Assessment

The dichlorodifluoromethane results for Area 10-ESW1-5 and Area 3-SSW1-8 are qualified as rejected and assigned an R flag. The laboratory report pages showing the assigned flags are attached. No other data were qualified. All data except the rejected data are judged to be acceptable for their intended use.



Analytical Report

WO#: 1311236

Date Reported: 11/21/2013

CLIENT: PES Environmental, Inc.
Project: Former Pace National Property

Lab ID: 1311236-005

Collection Date: 11/20/2013 9:55:00 AM

Client Sample ID: Area10-ESW1-5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5928

Analyst: BR

Diesel (Fuel Oil)	ND	20.0		mg/Kg-dry	1	11/21/2013 12:08:00 PM
Heavy Oil	ND	50.1		mg/Kg-dry	1	11/21/2013 12:08:00 PM
Surr: 2-Fluorobiphenyl	103	50-150		%REC	1	11/21/2013 12:08:00 PM
Surr: o-Terphenyl	103	50-150		%REC	1	11/21/2013 12:08:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11193

Analyst: EM

Gasoline	ND	5.26		mg/Kg-dry	1	11/21/2013 11:18:00 AM
Surr: Toluene-d8	111	65-135		%REC	1	11/21/2013 11:18:00 AM
Surr: 4-Bromofluorobenzene	110	65-135		%REC	1	11/21/2013 11:18:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	R	0.0631	*	mg/Kg-dry	1	11/21/2013 4:19:00 AM
Chloromethane	ND		0.0631		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Vinyl chloride	ND		0.00210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Bromomethane	ND		0.0946		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Trichlorofluoromethane (CFC-11)	ND		0.0526		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Chloroethane	ND		0.0631		mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,1-Dichloroethene	ND		0.0526		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Methylene chloride	ND		0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
trans-1,2-Dichloroethene	ND		0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Methyl tert-butyl ether (MTBE)	ND		0.0526		mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,1-Dichloroethane	ND		0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
2,2-Dichloropropane	ND		0.0526		mg/Kg-dry	1	11/21/2013 4:19:00 AM
cis-1,2-Dichloroethene	ND		0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Chloroform	ND		0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,1,1-Trichloroethane (TCA)	ND		0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,1-Dichloropropene	ND		0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Carbon tetrachloride	ND		0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,2-Dichloroethane (EDC)	ND		0.0315		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Benzene	ND		0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM
Trichloroethene (TCE)	ND		0.0315		mg/Kg-dry	1	11/21/2013 4:19:00 AM
1,2-Dichloropropane	ND		0.0210		mg/Kg-dry	1	11/21/2013 4:19:00 AM

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



Analytical Report

WO#: 1311236

Date Reported: 11/21/2013

CLIENT: PES Environmental, Inc.

Project: Former Pace National Property

Lab ID: 1311236-006

Collection Date: 11/18/2013 3:08:00 PM

Client Sample ID: Trip Blank

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 5930

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND R	0.0600	*	mg/Kg	1	11/21/2013 1:23:00 AM
Chloromethane	ND	0.0600		mg/Kg	1	11/21/2013 1:23:00 AM
Vinyl chloride	ND	0.00200		mg/Kg	1	11/21/2013 1:23:00 AM
Bromomethane	ND	0.0900		mg/Kg	1	11/21/2013 1:23:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	11/21/2013 1:23:00 AM
Chloroethane	ND	0.0600		mg/Kg	1	11/21/2013 1:23:00 AM
1,1-Dichloroethene	ND	0.0500		mg/Kg	1	11/21/2013 1:23:00 AM
Methylene chloride	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
trans-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0500		mg/Kg	1	11/21/2013 1:23:00 AM
1,1-Dichloroethane	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
2,2-Dichloropropane	ND	0.0500		mg/Kg	1	11/21/2013 1:23:00 AM
cis-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Chloroform	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
1,1-Dichloropropene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Carbon tetrachloride	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
1,2-Dichloroethane (EDC)	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM
Benzene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Trichloroethene (TCE)	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Bromodichloromethane	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Dibromomethane	ND	0.0400		mg/Kg	1	11/21/2013 1:23:00 AM
cis-1,3-Dichloropropene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Toluene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
trans-1,3-Dichloropropylene	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM
1,1,2-Trichloroethane	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM
1,3-Dichloropropane	ND	0.0500		mg/Kg	1	11/21/2013 1:23:00 AM
Tetrachloroethene (PCE)	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
Dibromochloromethane	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM
1,2-Dibromoethane (EDB)	ND	0.00500		mg/Kg	1	11/21/2013 1:23:00 AM
Chlorobenzene	ND	0.0200		mg/Kg	1	11/21/2013 1:23:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM
Ethylbenzene	ND	0.0300		mg/Kg	1	11/21/2013 1:23:00 AM

Qualifiers:
 B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1311236

Date Reported: 11/21/2013

CLIENT: PES Environmental, Inc.

Project: Former Pace National Property

Lab ID: 1311236-013

Collection Date: 11/20/2013 2:50:00 PM

Client Sample ID: Area3-SSW1-8

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 5928	Analyst: BR
Diesel (Fuel Oil)	ND	19.0		mg/Kg-dry	1	11/21/2013 12:36:00 PM
Heavy Oil	ND	47.6		mg/Kg-dry	1	11/21/2013 12:36:00 PM
Surr: 2-Fluorobiphenyl	113	50-150		%REC	1	11/21/2013 12:36:00 PM
Surr: o-Terphenyl	107	50-150		%REC	1	11/21/2013 12:36:00 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: R11193	Analyst: EM
Gasoline	2,150	105	D	mg/Kg-dry	20	11/21/2013 11:44:00 AM
Surr: Toluene-d8	113	65-135	D	%REC	20	11/21/2013 11:44:00 AM
Surr: 4-Bromofluorobenzene	111	65-135	D	%REC	20	11/21/2013 11:44:00 AM
<u>Volatile Organic Compounds by EPA Method 8260</u>					Batch ID: 5930	Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND R	0.0628		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Chloromethane	ND	0.0628		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Vinyl chloride	ND	0.00209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Bromomethane	ND	0.0942		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0524		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Chloroethane	ND	0.0628		mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,1-Dichloroethene	ND	0.0524		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Methylene chloride	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
trans-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0524		mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,1-Dichloroethane	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
2,2-Dichloropropane	ND	0.0524		mg/Kg-dry	1	11/21/2013 9:40:00 AM
cis-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Chloroform	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,1-Dichloropropene	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Carbon tetrachloride	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,2-Dichloroethane (EDC)	ND	0.0314		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Benzene	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM
Trichloroethene (TCE)	ND	0.0314		mg/Kg-dry	1	11/21/2013 9:40:00 AM
1,2-Dichloropropane	ND	0.0209		mg/Kg-dry	1	11/21/2013 9:40:00 AM

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

MEMORANDUM

TO: Project File **DATE:** November 25, 2013
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: November 21, 2013 Soil Samples
LAB: Fremont Analytical Service Request No. 1311251

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on November 21, 2013. Seven primary soil samples were collected from the site. In addition, one blind field duplicate sample was collected and one trip blank was prepared by the laboratory and traveled with the samples.

Selected soil samples were analyzed for total petroleum hydrocarbons (TPH) as diesel (TPH-diesel and TPH as heavy oil (TPH-HO) by the Northwest TPH DX method and volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260. The TPH-diesel and TPH-HO analyses were performed in one analysis batch (ID 5937); the VOC analyses were performed in one analysis batch (ID 5939). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1311251.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in one cooler at a cooler temperature of 8.3 degrees centigrade (°C). A sample in the cooler had a temperature of 8.1°C. The cooler and sample temperatures were above the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$. The samples in both coolers were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were delivered to the laboratory by courier on the day of sample collection within two hours and 25 minutes of the completion of the sample collection effort. Based upon this information, the samples did not have sufficient time to cool to within the recommended temperature levels prior to receipt by the laboratory. Because the samples were properly stored with cooling materials after collection and during transport to the laboratory, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260

The extractions and analyses of the primary (field) samples for VOCS were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx

One method blank was analyzed with the single analysis batch. This meets the required method blank frequency for the analytical method. The method blank result did not detect TPH-diesel or

TPH-HO at a concentration at or above the Method Reporting Limit (MRL). No data qualifications were warranted.

USEPA Method 8260

One method blank was analyzed with the single VOC analysis batch. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA Method 8260

One trip blank was analyzed with the VOC analysis batch. The trip blank did not contain VOCs at concentrations at or above the MRLs. No data qualifications were warranted.

Field Duplicate Analyses

NWTPH-Dx

One field duplicate sample was analyzed for TPH-diesel and TPH-HO. The duplicate sample, Area 1-Base 2-7, was a duplicate of primary sample Area 1-Base 1-7. TPH-diesel and TPH-HO were not detected in either the primary or the duplicate; therefore the duplicate RPD control criteria were met. No data qualifications were warranted.

USEPA Method 8260

One field duplicate sample was analyzed for VOCs. The duplicate sample, Area 1-Base 2-7, was a duplicate of primary sample Area 1-Base 1-7. VOCs were not detected in either the primary or the duplicate; therefore the duplicate RPD control criteria were met. No data qualifications were warranted.

Laboratory Duplicate Analyses

NWTPH-Dx

A laboratory duplicate sample was prepared from project sample Area 1-NSW1-6 and analyzed by the NWTPH Dx method. The relative percent differences (RPD) for TPH-diesel and TPH-HO in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

USEPA Method 8260

A laboratory duplicate sample was prepared from project sample Area 1-NSW1-6 and analyzed by the USEPA 8260 method. The relative percent differences (RPD) for the VOC target compounds in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx

One LCS was prepared and analyzed with the single NWTPH-Dx analytical group. This meets the required frequency of LCS analysis for the method. The LCS %R for TPH-diesel was within the laboratory control limits. No qualifications were warranted. Note- The method only requires an LCS for TPH-diesel; therefore, LCS results for TPH-HO are not reported.

USEPA Method 8260

One LCS was prepared and analyzed with the single USEPA 8260 analysis group. This meets the required frequency of LCS analysis for the method. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

USEPA Method 8260

One MS was prepared and analyzed with the project samples in the single USEPA Method 8260 analytical group. A sample duplicate was analyzed in lieu of a MSDs. This is acceptable. The MS was prepared from project sample Area 1-SSW1-6. The %Rs for all target analytes in the MS were within the laboratory control limits. No data in qualifications were warranted.

Other Quality Control Issues

No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project. No data qualifiers were assigned based upon quantitation limits.

Data Assessment

No data were qualified. All data are judged to be acceptable for their intended use.

MEMORANDUM

TO: Project File **DATE:** November 27, 2013
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: November 22, 2013 Soil and Groundwater Samples
LAB: Fremont Analytical Service Request No. 1311264

Soil and groundwater water sampling was conducted at the former Pace facility in Kirkland, Washington on November 22, 2013. Eight primary soil samples and one groundwater sample were collected. In addition, one blind soil field duplicate was collected during the sampling event. A trip blank was also prepared by the laboratory and traveled with the samples.

Selected soil samples and the groundwater sample were analyzed for total petroleum hydrocarbons (TPH) as diesel (fuel oil) and heavy oil (HO) by the Northwest TPH DX method, TPH as gasoline by the NWTPH-Gx method, and volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260. The TPH-Dx soil analyses were performed in one analysis group (ID 5955); the TPH-Gx soil analyses were performed in one analysis group (ID 11303); and the VOC soil analyses were performed in one primary analysis group (ID 5956). The TPH-Dx groundwater analysis was performed in one analysis group (ID 5955); the TPH-Gx groundwater analysis was performed in one analysis group (ID 11303); and the VOC groundwater analysis was performed in one primary analysis group (ID 5956). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1311264.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in one cooler at a cooler temperature of 6.4 degrees centigrade (°C). A sample in the cooler had a temperature of 7.1°C. The cooler and sample temperatures were above the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$. The samples in both coolers were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were delivered to the laboratory by courier on the day of sample collection within one hour and 12 minutes of the completion of the sample collection effort. Based upon this information, the samples did not have sufficient time to cool to within the recommended temperature levels prior to receipt by the laboratory. Because the samples were properly stored with cooling materials after collection and during transport to the laboratory, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx (soil)

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

NWTPH-Gx (soil)

The analyses for the NWTPH Gx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260 (soil)

The analyses for VOCS were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

NWTPH-Dx (groundwater)

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

NWTPH-Gx (groundwater)

The analyses for the NWTPH Gx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260 (groundwater)

The analyses for VOCS were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration verification (ICV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx (soil)

One method blank was analyzed with the single analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the Method Reporting Limits (MRLs). No data qualifications were warranted.

NWTPH-Gx (soil)

One method blank was analyzed with the single analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

USEPA Method 8260 (soil)

One method blank was analyzed with the single USEPA Method 8260 analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

NWTPH-Dx (groundwater)

One method blank was analyzed with the single analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

NWTPH-Gx (groundwater)

One method blank was analyzed with the single analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

USEPA Method 8260 (groundwater)

One method blank was analyzed with the single USEPA Method 8260 water analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

The trip blank was prepared by the laboratory and traveled with the projects samples from collection to analysis. The trip blank analytical results are considered applicable to both the soil and groundwater samples.

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

NWTPH-Gx

A trip blank analysis was not required for the TPH-Gx method. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA Method 8260

One trip blank sample was analyzed for VOCs. No VOC target analytes were detected in the trip blank. No data qualifications were warranted.

Field Duplicate Analyses

NWTPH-Dx (soil)

One field duplicate sample was analyzed for TPH-diesel and TPH-HO. Area 7-Base 2-7, was a duplicate of primary sample Area 7-Base 1-7. TPH-diesel and TPH-HO were detected in either the primary or the duplicate sample; therefore the duplicate RPD control criteria were met. No data qualifications were warranted based upon the field duplicate results.

NWTPH-Gx (soil)

One field duplicate sample was analyzed for TPH-gas. Area 7-Base 2-7, was a duplicate of primary sample Area 7-Base 1-7. TPH-gas was not detected in either the primary or the duplicate sample; therefore the duplicate RPD control criterion was met. No data qualifications were warranted based upon the field duplicate results.

USEPA Method 8260 (soil)

One field duplicate sample was analyzed for VOCs. Area 7-Base 2-7, was a duplicate of primary sample Area 7-Base 1-7. The VOC target analytes were not detected in either the primary or the duplicate sample; therefore the duplicate RPD control criteria were met. No data qualifications were warranted based upon the field duplicate results.

A field duplicate was not required for the groundwater analyses.

Laboratory Duplicate Analyses

NWTPH-Dx (soil)

The laboratory prepared one duplicate soil sample for analysis group 5955 from project sample Area 3-WSW1-8. The primary and laboratory duplicate pair was analyzed by the NWTPH-Dx method. The RPDs for all target analytes in the primary and duplicate sample were within the laboratory control criteria of 30 RPD. No data were qualified.

NWTPH-Gx (soil)

The laboratory prepared one duplicate soil sample for analysis group 11303 from project sample Area 3-WSW1-8. The primary and laboratory duplicate pair was analyzed by the NWTPH Gx method. The RPDs for all target analytes in the primary and duplicate sample were within the laboratory control criteria of 30 RPD. No data were qualified.

USEPA Method 8260 (soil)

The laboratory prepared one duplicate soil sample for analysis group 5956 from project sample Area 3-WSW1-8. The primary and laboratory duplicate pair was analyzed by USEPA Method 8260. The RPDs for all target analytes in the primary and duplicate sample were within the laboratory control criteria of 30 RPD. No data were qualified.

NWTPH-Dx (groundwater)

The laboratory prepared one duplicate soil sample for analysis group 5957 from project sample Area 3-GW1-20121122. The primary and laboratory duplicate pair was analyzed by the NWTPH-Dx method. The RPDs for all target analytes in the primary and duplicate sample were within the laboratory control criteria of 30 RPD. No data were qualified.

NWTPH-Gx (groundwater)

The laboratory prepared a batch (non-project) duplicate soil sample for analysis group 11303. The primary and laboratory duplicate pair was analyzed by the NWTPH Gx method. The RPDs for all target analytes in the primary and duplicate sample were within the laboratory control criteria of 30 RPD. No data were qualified.

USEPA Method 8260 (groundwater)

The laboratory prepared a batch (non-project) duplicate soil sample for analysis group 11257. The primary and laboratory duplicate pair was analyzed by USEPA Method 8260. The RPDs for all target analytes in the primary and duplicate sample were within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx (soil)

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R. No data qualifications were warranted.

NWTPH-Gx (soil)

The surrogate %R results for all NWTPH Gx soil samples, laboratory control samples, matrix

spikes, duplicates and method blanks were within the laboratory surrogate control limits of 65 to 135%. No data qualifications were warranted.

USEPA Method 8260 (soil)

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

NWTPH-Dx (groundwater)

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R. No data qualifications were warranted.

NWTPH-Gx (groundwater)

The surrogate %R results for all NWTPH Gx soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits of 65 to 135%. No data qualifications were warranted.

USEPA Method 8260 (groundwater)

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx (soil)

One laboratory control sample (LCS) was prepared and analyzed for the single analytical batch. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

NWTPH-Gx (soil)

One LCS was prepared and analyzed for the single analytical batch. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

USEPA Method 8260 (soil)

One LCS was prepared and analyzed with the single VOC analytical batch. The LCS %Rs for all target analytes were within the laboratory control limits except for isopropylbenzene and naphthalene in the LCS for analytical batch 5956. The LCS %Rs for these two compounds were above the upper control limit, indicating a potential high bias in associated project sample results. The two compounds were not detected in the project soil samples; therefore, the potential high bias was not realized. No qualifications were warranted.

NWTPH-Dx (groundwater)

One LCS was prepared and analyzed for the single analytical batch. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

NWTPH-Gx (groundwater)

One LCS was prepared and analyzed for the single analytical batch. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

USEPA Method 8260 (groundwater)

One LCS was prepared and analyzed with the single VOC analytical batch. The LCS %Rs for all target analytes were within the laboratory control limits except for bromomethane, trichlorofluoromethane, 1,1,2,2-tetrachloroethane and chloroethane in the LCS for analytical batch 11257. The LCS %Rs for these compounds were above the upper control limit, indicating a potential high bias in associated project sample results. Bromomethane, trichlorofluoromethane and 1,1,2,2-tetrachloroethane were not detected in the groundwater sample; therefore, the potential high bias was not realized and no qualifications of the sample bromomethane, trichlorofluoromethane and 1,1,2,2-tetrachloroethane data were warranted. Chloroethane was detected in the project groundwater sample. Based upon the LCS result for chloroethane, the chloroethane result for the groundwater sample is qualified as estimated and assigned a J flag. The laboratory report page showing the assigned flag is attached. No other qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx (soil)

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

NWTPH-Gx (soil)

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Gx method.

USEPA Method 8260 (soil)

One batch (non-project) soil MS sample was prepared and analyzed with the single VOC analysis group. A sample duplicate was analyzed in lieu of a MSD for the project. This is acceptable. The MS %Rs for all target analytes in analysis batch 5956 were within the laboratory control limits except for 1,1-dichloroethene, 2,2-dichloropropane, isopropylbenzene and naphthalene. The %R for 1,1-dichloroethene was below the lower control limit and the %Rs for the remaining three compounds exceeded the upper control limit. Because the MS was prepared from a batch (non-project) sample with a different matrix than the project samples; the MS exceedances are not considered sufficient cause to warrant qualification of the data. Based upon the information cited above, no data qualifications were warranted based upon the MS results.

NWTPH-Dx (groundwater)

Matrix spikes and MSDs are not required for the NWTPH Dx method.

NWTPH-Gx (groundwater)

Matrix spikes and MSDs are not required for the NWTPH Gx method.

USEPA Method 8260 (groundwater)

Due to lack of sample volume, a MS sample was not prepared and analyzed with the USEPA Method 8260 groundwater analytical batch. The lack of a MS is not considered sufficient cause to warrant qualification of the groundwater data. No data qualifications were made.

Other Quality Control Issues

No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project; therefore, no data qualifiers were assigned based upon MRLs. The laboratory reported that the TPH-gas concentration in the groundwater sample exceeded the calibration range of the instrument. The original TPH-g result is reported and the result is qualified as estimated and assigned a J flag. The laboratory report page showing the assigned flag is attached. No other quantitation issues were identified.

Data Assessment

The chloroethane and TPH-gas results for the groundwater sample (Area 3-GW1-20131122) were qualified as estimated and assigned a J flag. The laboratory report pages showing the assigned flags are attached. No other data were qualified. All data, including the qualified data, are judged to be acceptable for their intended use.



Analytical Report

WO#: 1311264

Date Reported: 11/26/2013

Client: PES Environmental, Inc.

Collection Date: 11/22/2013 1:30:00 PM

Project: Former Pace National Property

Lab ID: 1311264-011

Matrix: Water

Client Sample ID: Area3-GW1-20131122

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 5957

Analyst: BR

Diesel (Fuel Oil)	203	50.0		µg/L	1	11/22/2013 11:07:00 PM
Heavy Oil	300	100		µg/L	1	11/22/2013 11:07:00 PM
Surr: 2-Fluorobiphenyl	73.1	50-150		%REC	1	11/22/2013 11:07:00 PM
Surr: o-Terphenyl	115	50-150		%REC	1	11/22/2013 11:07:00 PM

Gasoline by NWTPH-Gx

Batch ID: R11305

Analyst: EM

Gasoline	4,150 J	50.0	E	µg/L	1	11/25/2013 7:51:00 AM
Surr: Toluene-d8	92.5	65-135		%REC	1	11/25/2013 7:51:00 AM
Surr: 4-Bromofluorobenzene	88.4	65-135		%REC	1	11/25/2013 7:51:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: R11257

Analyst: GH

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Chloromethane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Vinyl chloride	0.460	0.200		µg/L	1	11/25/2013 7:51:00 AM
Bromomethane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Chloroethane	2.03 J	1.00	*	µg/L	1	11/25/2013 7:51:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Methylene chloride	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,1-Dichloroethane	4.51	1.00		µg/L	1	11/25/2013 7:51:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	11/25/2013 7:51:00 AM
cis-1,2-Dichloroethene	4.96	1.00		µg/L	1	11/25/2013 7:51:00 AM
Chloroform	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Benzene	1.00	1.00		µg/L	1	11/25/2013 7:51:00 AM
Trichloroethene (TCE)	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	11/25/2013 7:51:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

MEMORANDUM

TO: Project File **DATE:** December 2, 2013
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: November 26, 2013 Soil Samples
LAB: Fremont Analytical Service Request No. 1311299

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on November 26, 2013. Five primary soil samples were collected from the site. In addition, one blind field duplicate sample was collected and one trip blank was prepared by the laboratory and traveled with the samples.

Selected soil samples were analyzed for total petroleum hydrocarbons (TPH) as diesel (TPH-diesel and TPH as heavy oil (TPH-HO) by the Northwest TPH DX method and volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260. The TPH-diesel and TPH-HO analyses were performed in one analysis batch (ID 6008); the VOC analyses were performed in one analysis batch (ID 6000). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1311299.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in one cooler at a cooler temperature of 7.3 degrees centigrade (°C). A sample in the cooler had a temperature of 6.6°C. The cooler and sample temperatures were above the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$. The samples in both coolers were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were delivered to the laboratory by courier on the day of sample collection within one hour and 21 minutes of the completion of the sample collection effort. Based upon this information, the samples did not have sufficient time to cool to within the recommended temperature levels prior to receipt by the laboratory. Because the samples were properly stored with cooling materials after collection and during transport to the laboratory, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260

The extractions and analyses of the primary (field) samples for VOCS were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx

One method blank was analyzed with the single analysis batch. This meets the required method blank frequency for the analytical method. The method blank result did not detect TPH-diesel or

TPH-HO at a concentration at or above the Method Reporting Limit (MRL). No data qualifications were warranted.

USEPA Method 8260

One method blank was analyzed with the single VOC analysis batch. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA Method 8260

One trip blank was analyzed with the VOC analysis batch. The trip blank did not contain VOCs at concentrations at or above the MRLs. No data qualifications were warranted.

Field Duplicate Analyses

NWTPH-Dx

One field duplicate sample was analyzed for TPH-diesel and TPH-HO. The duplicate sample, Area 1-Base 2-13, was a duplicate of primary sample Area 1-Base 1-13. TPH-diesel and TPH-HO were not detected in either the primary or the duplicate; therefore the duplicate RPD control criteria were met. No data qualifications were warranted.

USEPA Method 8260

One field duplicate sample was analyzed for VOCs. The duplicate sample, Area 1-Base 2-13, was a duplicate of primary sample Area 1-Base 1-13. VOCs were not detected in either the primary or the duplicate; therefore the duplicate RPD control criteria were met. No data qualifications were warranted.

Laboratory Duplicate Analyses

NWTPH-Dx

A laboratory duplicate sample was prepared from project sample Area 1-SSW1-12 and analyzed by the NWTPH Dx method. The RPD for TPH-diesel in the primary and duplicate samples was within the laboratory control criterion of 30 RPD. The RPD for TPH-HO exceeded the RPD criterion of 30. The laboratory attributed the exceedances to sample inhomogeneity. The remaining quality control data for TPH-HO was in control. Based upon the RPD exceedance, the TPH-HO result for sample Area-1-SSW1-12 was qualified as estimated and assigned a J flag. The laboratory report page showing the assigned qualifier is attached. TPH-HO was not detected in any of the remaining project samples and the field duplicate analysis for TPH-HO did not identify TPH-HO in either the primary or duplicate sample. The TPH-HO is not considered sufficient cause to warrant qualification of the non-detect results. No additional qualifications were made based upon the TPH-HO RPD exceedance.

USEPA Method 8260

A batch (nonproject) laboratory duplicate sample was prepared analyzed by the USEPA 8260 method. The RPDs for the VOC target compounds in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx

One LCS was prepared and analyzed with the single NWTPH-Dx analytical group. This meets the required frequency of LCS analysis for the method. The LCS %R for TPH-diesel was within the laboratory control limits. No qualifications were warranted. Note- The method only requires an LCS for TPH-diesel; therefore, LCS results for TPH-HO are not reported.

USEPA Method 8260

One LCS was prepared and analyzed with the single USEPA 8260 analysis group. This meets the required frequency of LCS analysis for the method. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

USEPA Method 8260

One batch (non-project) MS was prepared and analyzed with the project samples in the single USEPA Method 8260 analytical group. A sample duplicate was analyzed in lieu of a MSDs. This is acceptable. The MS was prepared from project sample Area 1-SSW1-12. The %Rs for all target analytes in the MS were within the laboratory control limits. No data in qualifications were warranted.

Other Quality Control Issues

No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project. No data qualifiers were assigned based upon quantitation limits.

Data Assessment

The TPH-HO result for primary sample Area 1-SSW1-12 was qualified as estimated due to an RPD exceedance in the laboratory duplicate analysis for this compound. The TPH-HO result was assigned a J flag. The laboratory report page showing the qualification is attached. No data were qualified. No other data were qualified. All data, including the qualified data, are judged to be acceptable for their intended use.



Analytical Report

WO#: 1311299

Date Reported: 11/27/2013

Client: PES Environmental, Inc.

Collection Date: 11/26/2013 9:20:00 AM

Project: Former Pace National Property

Lab ID: 1311299-006

Matrix: Soil

Client Sample ID: Area1-SSW1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6008

Analyst: BR

Diesel (Fuel Oil)	ND	23.3		mg/Kg-dry	1	11/27/2013 7:24:00 AM
Heavy Oil	203 J	58.2		mg/Kg-dry	1	11/27/2013 7:24:00 AM
Surr: 2-Fluorobiphenyl	107	50-150		%REC	1	11/27/2013 7:24:00 AM
Surr: o-Terphenyl	107	50-150		%REC	1	11/27/2013 7:24:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6000

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0610		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Chloromethane	ND	0.0610		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Vinyl chloride	ND	0.00203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Bromomethane	ND	0.0915		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0508		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Chloroethane	ND	0.0610		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,1-Dichloroethene	ND	0.0508		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Methylene chloride	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
trans-1,2-Dichloroethene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0508		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,1-Dichloroethane	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
2,2-Dichloropropane	ND	0.0508		mg/Kg-dry	1	11/27/2013 1:50:00 PM
cis-1,2-Dichloroethene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Chloroform	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,1-Dichloropropene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Carbon tetrachloride	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,2-Dichloroethane (EDC)	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Benzene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Trichloroethene (TCE)	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,2-Dichloropropane	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Bromodichloromethane	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Dibromomethane	ND	0.0407		mg/Kg-dry	1	11/27/2013 1:50:00 PM
cis-1,3-Dichloropropene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
Toluene	ND	0.0203		mg/Kg-dry	1	11/27/2013 1:50:00 PM
trans-1,3-Dichloropropylene	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,1,2-Trichloroethane	ND	0.0305		mg/Kg-dry	1	11/27/2013 1:50:00 PM
1,3-Dichloropropane	ND	0.0508		mg/Kg-dry	1	11/27/2013 1:50:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

MEMORANDUM

TO: Project File **DATE:** December 9, 2013
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: December 2, 2013 Soil Samples
LAB: Fremont Analytical Service Request No. 1312008

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on November 22, 2013. Eleven primary soil samples were collected. In addition, one blind soil field duplicate was collected during the sampling event.

The samples were analyzed for total petroleum hydrocarbons (TPH) as diesel (fuel oil) and heavy oil (HO) by the Northwest TPH DX method, TPH as gasoline by the NWTPH-Gx method, and volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260. The TPH-Dx soil analyses were performed in one analysis group (ID 6040); the TPH-Gx soil analyses were performed in two analysis groups (ID 11396 and 11399); and the VOC soil analyses were performed in two primary analysis groups (ID 6038 and 6042). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1312008.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in one cooler at a cooler temperature of 7.0 degrees centigrade (°C). A sample in the cooler had a temperature of 7.7°C. The cooler and sample temperatures were above the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$. The samples in both coolers were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were delivered to the laboratory by courier on the day of sample collection within one hour and ten minutes of the completion of the sample collection effort. Based upon this information, the samples did not have sufficient time to cool to within the recommended temperature levels prior to receipt by the laboratory. Because the samples were properly stored with cooling materials after collection and during transport to the laboratory, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

NWTPH-Gx

The analyses for the NWTPH Gx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260

The analyses for VOCS were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration verification (ICV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. The laboratory reported that the chloromethane analyte in analysis group 6038 for the USEPA 8260 method did not meet initial calibration acceptance criteria. The laboratory was contacted and explained that under normal conditions, the instrument would have been recalibrated until the calibration criteria were met; however, because the results were required with a rush turnaround time, the instrument was not recalibrated. Due to the initial calibration exceedances, all chloromethane results for samples in analysis group 6038 were qualified as rejected and assigned an R flag. Laboratory report pages showing the assigned qualifiers are attached. No other discrepancies were reported; therefore no additional data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx

One method blank was analyzed with the single analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the Method Reporting Limits (MRLs). No data qualifications were warranted.

NWTPH-Gx

Two method blanks were analyzed; one with each of the two NWTPH-Gx analysis groups. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

USEPA Method 8260

Two method blanks were analyzed; one for each of the two USEPA Method 8260 analysis groups. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

NWTPH-Gx

A trip blank analysis was not required for the TPH-Gx method. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA Method 8260

A trip blank analysis was not required for the USEPA 8260 method. No data qualifications were warranted due to the lack of a trip blank analysis.

Field Duplicate Analyses

NWTPH-Dx

One field duplicate sample was analyzed for TPH-diesel and TPH-HO. Area 2-Base 5-18, was a duplicate of primary sample Area 2-Base 4-18. TPH-diesel and TPH-HO were not detected in

either the primary or the duplicate sample; therefore the duplicate RPD control criteria were met. No data qualifications were warranted based upon the field duplicate results.

NWTPH-Gx

One field duplicate sample was analyzed for TPH-gas. Area 2-Base 5-18, was a duplicate of primary sample Area 2-Base 5-18. TPH-gas was not detected in either the primary or the duplicate sample; therefore the duplicate RPD control criterion was met. No data qualifications were warranted based upon the field duplicate results.

USEPA Method 8260

One field duplicate sample was analyzed for VOCs. Area 2-Base 5-18, was a duplicate of primary sample Area 2-Base 5-18. The VOC target analytes were not detected in either the primary or the duplicate sample; therefore the duplicate RPD control criteria were met. No data qualifications were warranted based upon the field duplicate results.

Laboratory Duplicate Analyses

NWTPH-Dx

The laboratory prepared one duplicate soil sample for analysis group 6040 from project sample Area 2-Base1-18. The primary and laboratory duplicate pair was analyzed by the NWTPH-Dx method. The RPD for TPH-diesel in the primary and duplicate sample was within the laboratory control criteria of 30 RPD. No data were qualified. (Note: The method only requires TPH-diesel QC results; therefore, the TPH-HO results are not reported).

NWTPH-Gx

The laboratory prepared two duplicate soil samples; one for analysis group 11396 from project sample Area 2-Base1-18 and a batch (non-project) duplicate from analysis group 11399. The primary and laboratory duplicate pairs were analyzed by the NWTPH Gx method. The RPDs for the target analyte in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

USEPA Method 8260

The laboratory prepared one duplicate soil sample for analysis group 6038 from project sample Area 2-Base1-18 and a second batch (non-project) duplicate sample for analysis group 6042. The primary and laboratory duplicate pairs were analyzed by USEPA Method 8260. The RPDs for all target analytes in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R. No data qualifications were warranted.

NWTPH-Gx

The surrogate %R results for all NWTPH Gx soil samples, laboratory control samples, matrix

spikes, duplicates and method blanks were within the laboratory surrogate control limits of 65 to 135%. No data qualifications were warranted.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx

One laboratory control sample (LCS) was prepared and analyzed for the single analytical group. The LCS %R for TPH-diesel was within the laboratory control limits. No qualifications were warranted. (Note: The method only requires TPH-diesel QC results; therefore, the TPH-HO results are not reported).

NWTPH-Gx

Two LCSs were prepared and analyzed; one for each of the two analytical groups. The LCS %Rs for the target analyte were within the laboratory control limits. No qualifications were warranted.

USEPA Method 8260

Two LCSs were prepared and analyzed; one with each of the two VOC analytical groups. The LCS %Rs for all target analytes were within the laboratory control limits except for chloromethane in the LCS for analytical batch 6038. The LCS %R for chloromethane was not reported in the LCS results because the chloromethane %R was originally zero. The laboratory checked the chloromethane LCS result against the ICV sample and determined that the instrument calibration was in control. Based upon the information provided by the laboratory, the chloromethane results for all samples in analysis group 6038 are qualified as rejected and assigned an R flag. The laboratory report pages showing the qualifications are attached.

The LCS %Rs for all target analytes were within the laboratory control limits except for chloroethane in the LCS for analytical batch 6042. The LCS %R for this compound was above the upper control limit, indicating a potential high bias in associated project sample results. Chloroethane was not detected in any of the associated project samples; therefore, the potential high bias was not realized. No qualifications of the chloroethane data were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

NWTPH-Gx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Gx method.

USEPA Method 8260

One batch (non-project) soil MS sample was prepared and analyzed with the 6042 analysis group. Sample duplicates were analyzed in lieu of MS duplicates (MSDs) for the project. This is acceptable. The MS %Rs for all target analytes were within the laboratory control limits except for bromomethane, chloroethane, 2,2-dichloropropane, chloroform, trichloroethene and 1,2-dichloropropane. In all the exceedances cases the %R for the compounds exceeded the upper control limit. None of the compounds listed above were detected in the project sample. Because the exceeding compounds were not detected and because MS was prepared from a batch (non-project) sample with a different matrix than the project samples; the MS exceedances are not considered sufficient cause to warrant qualification of the data associated with analysis group 6042. Based upon the information cited above, no data qualifications were warranted based upon the MS results for analysis group 6042.

A MS was also prepared from project sample Area2-Base2-18 for analysis group 6038. The MS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

Other Quality Control Issues

There was a typographical error in the laboratory report in the quality control section for the NWTPH-Gx analyses. The laboratory corrected the error and re-issued the report. No data qualifications were warranted due to the typographical error. No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project; therefore, no data qualifiers were assigned based upon MRLs. No quantitation issues were identified.

Data Assessment

The chloromethane results for samples Area 2-Base1-18 and Area2-Base2-18 were qualified as rejected and assigned an R flag. The laboratory report pages showing the assigned flags are attached. No other data were qualified. All data, except the rejected data, are judged to be acceptable for their intended use. The rejected data should not be used for any purpose.



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 11:30:00 AM

Project: Google Phase II

Lab ID: 1312008-001

Matrix: Soil

Client Sample ID: Area-2-Base1-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	24.0		mg/Kg-dry	1	12/3/2013 8:43:00 AM
Surr: 2-Fluorobiphenyl	100	50-150		%REC	1	12/3/2013 8:43:00 AM
Surr: o-Terphenyl	92.1	50-150		%REC	1	12/3/2013 8:43:00 AM

Gasoline by NWTPH-Gx

Batch ID: R11396

Analyst: EM

Gasoline	ND	5.12		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Surr: Toluene-d8	115	65-135		%REC	1	12/3/2013 11:31:00 AM
Surr: 4-Bromofluorobenzene	124	65-135		%REC	1	12/3/2013 11:31:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6038

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0615		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Chloromethane	ND	0.0615	R	mg/Kg-dry	1	12/5/2013 5:10:00 PM
Vinyl chloride	ND	0.00205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Bromomethane	ND	0.0922		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0512		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Chloroethane	ND	0.0615		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,1-Dichloroethene	ND	0.0512		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Methylene chloride	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
trans-1,2-Dichloroethene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0512		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,1-Dichloroethane	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
2,2-Dichloropropane	ND	0.0512		mg/Kg-dry	1	12/3/2013 11:31:00 AM
cis-1,2-Dichloroethene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Chloroform	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,1-Dichloropropene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Carbon tetrachloride	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,2-Dichloroethane (EDC)	ND	0.0307		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Benzene	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Trichloroethene (TCE)	ND	0.0307		mg/Kg-dry	1	12/3/2013 11:31:00 AM
1,2-Dichloropropane	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Bromodichloromethane	ND	0.0205		mg/Kg-dry	1	12/3/2013 11:31:00 AM
Dibromomethane	ND	0.0410		mg/Kg-dry	1	12/3/2013 11:31:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1312008

Date Reported: 12/7/2013

Client: PES Environmental, Inc.

Collection Date: 12/2/2013 11:45:00 AM

Project: Google Phase II

Lab ID: 1312008-002

Matrix: Soil

Client Sample ID: Area-2-Base2-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 6040

Analyst: BR

Diesel (Fuel Oil)	ND	25.2		mg/Kg-dry	1	12/3/2013 9:10:00 AM
Surr: 2-Fluorobiphenyl	97.8	50-150		%REC	1	12/3/2013 9:10:00 AM
Surr: o-Terphenyl	95.6	50-150		%REC	1	12/3/2013 9:10:00 AM

Gasoline by NWTPH-Gx

Batch ID: R11396

Analyst: EM

Gasoline	ND	4.84		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Surr: Toluene-d8	114	65-135		%REC	1	12/3/2013 12:24:00 PM
Surr: 4-Bromofluorobenzene	123	65-135		%REC	1	12/3/2013 12:24:00 PM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6038

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0581		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Chloromethane	ND	0.0581	R	mg/Kg-dry	1	12/5/2013 5:37:00 PM
Vinyl chloride	ND	0.00194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Bromomethane	ND	0.0871		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0484		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Chloroethane	ND	0.0581		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,1-Dichloroethene	ND	0.0484		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Methylene chloride	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
trans-1,2-Dichloroethene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0484		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,1-Dichloroethane	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
2,2-Dichloropropane	ND	0.0484		mg/Kg-dry	1	12/3/2013 12:24:00 PM
cis-1,2-Dichloroethene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Chloroform	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,1-Dichloropropene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Carbon tetrachloride	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,2-Dichloroethane (EDC)	ND	0.0290		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Benzene	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Trichloroethene (TCE)	ND	0.0290		mg/Kg-dry	1	12/3/2013 12:24:00 PM
1,2-Dichloropropane	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Bromodichloromethane	ND	0.0194		mg/Kg-dry	1	12/3/2013 12:24:00 PM
Dibromomethane	ND	0.0387		mg/Kg-dry	1	12/3/2013 12:24:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

MEMORANDUM

TO: Project File **DATE:** December 23, 2013
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: December 16, 2013 Soil Samples
LAB: Fremont Analytical Service Request No. 1312139

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on December 16, 2013. Three primary soil samples were collected from the site. In addition, one trip blank was prepared by the laboratory and traveled with the samples.

The soil samples were analyzed for total petroleum hydrocarbons (TPH) as diesel (TPH-diesel and TPH as heavy oil (TPH-HO) by the Northwest TPH DX method with a silica gel cleanup and the volatile organic compounds (VOCs) vinyl chloride, toluene and naphthalene by United States Environmental Protection Agency (USEPA) Method 8260. The TPH-diesel and TPH-HO analyses were performed in one analysis batch (ID 6163); the VOC analyses were performed in one analysis batch (ID 6159). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1312139.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The

laboratory received the samples in one cooler at a cooler temperature of 8.8 degrees centigrade (°C). A sample in the cooler had a temperature of 9.5°C. The cooler and sample temperatures were above the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$. The samples were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were delivered to the laboratory by courier on the day of sample collection within one hour and 45 minutes of the completion of the sample collection effort. Based upon this information, the samples did not have sufficient time to cool to within the recommended temperature levels prior to receipt by the laboratory. Because the samples were properly stored with cooling materials after collection and during transport to the laboratory, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260

The analyses of the primary (field) samples for VOCS were performed within the recommended 14 day holding time limit for soil samples. It was noted that the trip blank was prepared by the laboratory longer than 14 days prior to analysis; however, the trip blank was exposed to (traveled with) the samples within the 14 day hold time and did not contain detectable concentrations of target analytes (see Trip Blank section below). Based upon this information, the preparation of the trip blank more than 14 days prior to analysis is not considered sufficient cause to warrant qualification of the data. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx

One method blank was analyzed with the single analysis batch. This meets the required method blank frequency for the analytical method. The method blank result did not detect TPH-diesel or

TPH-HO at a concentration at or above the Method Reporting Limit (MRL). No data qualifications were warranted.

USEPA Method 8260

One method blank was analyzed with the single VOC analysis batch. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA Method 8260

One trip blank was analyzed with the VOC analysis batch. The trip blank did not contain VOCs at concentrations at or above the MRLs. No data qualifications were warranted.

Field Duplicate Analyses

NWTPH-Dx

A field duplicate analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a field duplicate analysis.

USEPA Method 8260

A field duplicate analysis was not required for the USEPA 8260 method. No data qualifications were warranted due to the lack of a field duplicate analysis.

Laboratory Duplicate Analyses

NWTPH-Dx

A batch (non-project) laboratory duplicate sample was prepared and analyzed by the NWTPH Dx method. The RPDs for TPH-diesel and TPH-HO in the primary and duplicate samples were within the laboratory control criterion of 30 RPD. No qualifications were warranted.

USEPA Method 8260

A batch (non-project) laboratory duplicate sample was prepared analyzed by the USEPA 8260 method. The RPDs for the VOC target compounds in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx

One LCS was prepared and analyzed with the single NWTPH-Dx analytical group. This meets the required frequency of LCS analysis for the method. The LCS %R for TPH-diesel was within the laboratory control limits. No qualifications were warranted. Note - The method only requires an LCS for TPH-diesel; therefore, LCS results for TPH-HO are not reported.

USEPA Method 8260

One LCS was prepared and analyzed with the single USEPA 8260 analysis group. This meets the required frequency of LCS analysis for the method. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

USEPA Method 8260

One MS was prepared from project sample Area9-WSW1-132 and analyzed with the project samples in the single USEPA Method 8260 analytical group. A sample duplicate was analyzed in lieu of a MSD. This is acceptable. The %Rs for all target analytes in the MS were within the laboratory control limits. No data in qualifications were warranted.

Other Quality Control Issues

No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project. No data qualifiers were assigned based upon quantitation limits.

Data Assessment

No data were qualified. All data are judged to be acceptable for their intended use.

MEMORANDUM

TO: Project File **DATE:** December 26, 2013
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: December 17, 2013 Soil Sample
LAB: Fremont Analytical Service Request No. 1312150

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on December 17, 2013. One primary soil sample was collected from the site. In addition, one trip blank was prepared by the laboratory and traveled with the samples.

The soil sample was analyzed for total petroleum hydrocarbons (TPH) as diesel (TPH-diesel and TPH as heavy oil (TPH-HO) by the Northwest TPH DX method with a silica gel cleanup and the volatile organic compounds (VOCs) vinyl chloride, toluene and naphthalene by United States Environmental Protection Agency (USEPA) Method 8260. The trip blank was only analyzed for VOCs. The TPH-diesel and TPH-HO analysis was performed in one analysis batch (ID 6163); the VOC analyses were performed in one analysis batch (ID 6159). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1312150.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in one cooler at a cooler temperature of 8.5 degrees centigrade (°C). A sample in the cooler had a temperature of 8.8°C. The cooler and sample temperatures were above the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$. The samples were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were delivered to the laboratory by courier on the day of sample collection within five hours of the completion of the sample collection effort. Based upon this information, the samples did not have sufficient time to cool to within the recommended temperature levels prior to receipt by the laboratory. Because the samples were properly stored with cooling materials after collection and during transport to the laboratory, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260

The analyses of the samples for VOCS were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx

One method blank was analyzed with the single analysis batch. This meets the required method blank frequency for the analytical method. The method blank result did not detect TPH-diesel or TPH-HO at a concentration at or above the Method Reporting Limit (MRL). No data qualifications were warranted.

USEPA Method 8260

One method blank was analyzed with the single VOC analysis batch. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA Method 8260

One trip blank was analyzed with the VOC analysis batch. The trip blank did not contain VOCs at concentrations at or above the MRLs. No data qualifications were warranted.

Field Duplicate Analyses

NWTPH-Dx

A field duplicate analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a field duplicate analysis.

USEPA Method 8260

A field duplicate analysis was not required for the USEPA 8260 method. No data qualifications were warranted due to the lack of a field duplicate analysis.

Laboratory Duplicate Analyses

NWTPH-Dx

A laboratory duplicate sample was prepared from project sample Area 9-WSW4-140 and analyzed by the NWTPH Dx method. The RPDs for TPH-diesel and TPH-HO in the primary and duplicate samples were within the laboratory control criterion of 30 RPD. No qualifications were warranted.

USEPA Method 8260

A batch (non-project) laboratory duplicate sample was prepared and analyzed by the USEPA 8260 method. The RPDs for the VOC target compounds in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples,

matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx

One LCS was prepared and analyzed with the single NWTPH-Dx analytical group. This meets the required frequency of LCS analysis for the method. The LCS %R for TPH-diesel was within the laboratory control limits. No qualifications were warranted. Note - The method only requires an LCS for TPH-diesel; therefore, LCS results for TPH-HO are not reported.

USEPA Method 8260

One LCS was prepared and analyzed with the single USEPA 8260 analysis group. This meets the required frequency of LCS analysis for the method. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

USEPA Method 8260

One batch (non-project) MS was prepared and analyzed with the project samples in the single USEPA Method 8260 analytical group. A sample duplicate was analyzed in lieu of a MSD. This is acceptable. The %Rs for all target analytes in the MS were within the laboratory control limits. No data in qualifications were warranted.

Other Quality Control Issues

No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project. No data qualifiers were assigned based upon quantitation limits.

Data Assessment

No data were qualified. All data are judged to be acceptable for their intended use.

MEMORANDUM

TO: Project File **DATE:** February 28, 2014
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: December 30, 2013 Soil Samples
LAB: Fremont Analytical Service Request No. 1312263

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on December 30, 2013. Nine primary soil samples were collected from the site. In addition, one trip blank was prepared by the laboratory and traveled with the samples.

The soil samples were analyzed for total petroleum hydrocarbons (TPH) as diesel (TPH-diesel and TPH as heavy oil (TPH-HO) by the Northwest TPH DX method with a silica gel cleanup and the volatile organic compounds (VOCs) vinyl chloride, toluene and naphthalene by United States Environmental Protection Agency (USEPA) Method 8260. The trip blank was only analyzed for VOCs. The TPH-diesel and TPH-HO analysis was performed in one analysis batch (ID 6239); the VOC analyses were performed in one analysis batch (ID 6238). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1312263.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in two coolers at cooler temperature of 2.7 and 3.4 degrees centigrade (°C). Samples in each cooler had temperatures of 2.0 and 2.6°C. The cooler and sample temperatures were within the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$. The samples were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260

The analyses of the samples for VOCS were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx

One method blank was analyzed with the single analysis batch. This meets the required method blank frequency for the analytical method. The method blank result did not detect TPH-diesel or TPH-HO at a concentration at or above the Method Reporting Limit (MRL). No data qualifications were warranted.

USEPA Method 8260

One method blank was analyzed with the single VOC analysis batch. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA Method 8260

One trip blank was analyzed with the VOC analysis batch. The trip blank did not contain VOCs at concentrations at or above the MRLs. No data qualifications were warranted.

Field Duplicate Analyses

NWTPH-Dx

A field duplicate analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a field duplicate analysis.

USEPA Method 8260

A field duplicate analysis was not required for the USEPA 8260 method. No data qualifications were warranted due to the lack of a field duplicate analysis.

Laboratory Duplicate Analyses

NWTPH-Dx

A laboratory duplicate sample was prepared from project sample Area 9-Base1-133 and analyzed by the NWTPH Dx method. The RPDs for TPH-diesel and TPH-HO in the primary and duplicate samples were within the laboratory control criterion of 30 RPD. No qualifications were warranted.

USEPA Method 8260

A batch (non-project) laboratory duplicate sample was prepared and analyzed by the USEPA 8260 method. The RPDs for the VOC target compounds in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx

One LCS was prepared and analyzed with the single NWTPH-Dx analytical group. This meets the required frequency of LCS analysis for the method. The LCS %R for TPH-diesel was within the laboratory control limits. No qualifications were warranted. Note - The method only requires an LCS for TPH-diesel; therefore, LCS results for TPH-HO are not reported.

USEPA Method 8260

One LCS was prepared and analyzed with the single USEPA 8260 analysis group. This meets the required frequency of LCS analysis for the method. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

USEPA Method 8260

One MS was prepared from project sample Area 9-Base2-135 and analyzed with the project samples in the single USEPA Method 8260 analytical group. A sample duplicate was analyzed in lieu of a MSD. This is acceptable. The %Rs for all target analytes in the MS were within the laboratory control limits. No data in qualifications were warranted.

Other Quality Control Issues

No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project. No data qualifiers were assigned based upon quantitation limits.

Data Assessment

No data were qualified. All data are judged to be acceptable for their intended use.

MEMORANDUM

TO: Project File **DATE:** February 28, 2014
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: January 2, 2014 Soil Samples
LAB: Fremont Analytical Service Request No. 1401006

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on January 2, 2014. Four primary soil samples were collected from the site. In addition, one trip blank was prepared by the laboratory and traveled with the samples.

The soil samples were analyzed for total petroleum hydrocarbons (TPH) as diesel (TPH-diesel and TPH as heavy oil (TPH-HO) by the Northwest TPH DX method with a silica gel cleanup and the volatile organic compounds (VOCs) vinyl chloride, toluene and naphthalene by United States Environmental Protection Agency (USEPA) Method 8260. The trip blank was only analyzed for VOCs. The TPH-diesel and TPH-HO analysis was performed in one analysis batch (ID 6274); the VOC analyses were performed in one analysis batch (ID 6273). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1401006.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in one cooler at a cooler temperature of 3.6 degrees centigrade (°C). A sample in the cooler had a temperature of 7.9°C. The cooler temperature was within the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$ and the sample temperature exceeded the upper temperature range. The samples were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were received by the laboratory within one hour and 15 minutes of collection. Based upon this information, the samples and cooler did not have sufficient time to cool to within the recommended temperature preservation limits. For this reason, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260

The analyses of the samples for VOCS were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx

One method blank was analyzed with the single analysis batch. This meets the required method blank frequency for the analytical method. The method blank result did not detect TPH-diesel or TPH-HO at a concentration at or above the Method Reporting Limit (MRL). No data qualifications were warranted.

USEPA Method 8260

One method blank was analyzed with the single VOC analysis batch. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA Method 8260

One trip blank was analyzed with the VOC analysis batch. The trip blank did not contain VOCs at concentrations at or above the MRLs. No data qualifications were warranted.

Field Duplicate Analyses

NWTPH-Dx

A field duplicate analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a field duplicate analysis.

USEPA Method 8260

A field duplicate analysis was not required for the USEPA 8260 method. No data qualifications were warranted due to the lack of a field duplicate analysis.

Laboratory Duplicate Analyses

NWTPH-Dx

A laboratory duplicate sample was prepared from project sample Area 9-NSW1-135 and analyzed by the NWTPH Dx method. The RPDs for TPH-diesel and TPH-HO in the primary and duplicate samples were within the laboratory control criterion of 30 RPD. No qualifications were warranted.

USEPA Method 8260

A batch (non-project) laboratory duplicate sample was prepared and analyzed by the USEPA 8260 method. The RPDs for the VOC target compounds in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples,

matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx

One LCS was prepared and analyzed with the single NWTPH-Dx analytical group. This meets the required frequency of LCS analysis for the method. The LCS %R for TPH-diesel was within the laboratory control limits. No qualifications were warranted. Note - The method only requires an LCS for TPH-diesel; therefore, LCS results for TPH-HO are not reported.

USEPA Method 8260

One LCS was prepared and analyzed with the single USEPA 8260 analysis group. This meets the required frequency of LCS analysis for the method. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

USEPA Method 8260

One MS was prepared from project sample Area 9-NSW1-135 and analyzed with the project samples in the single USEPA Method 8260 analytical group. A sample duplicate was analyzed in lieu of a MSD. This is acceptable. The %Rs for all target analytes in the MS were within the laboratory control limits. No data in qualifications were warranted.

Other Quality Control Issues

No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project. No data qualifiers were assigned based upon quantitation limits.

Data Assessment

No data were qualified. All data are judged to be acceptable for their intended use.

MEMORANDUM

TO: Project File **DATE:** March 4, 2014
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: January 6, 2014 Soil Samples
LAB: Fremont Analytical Service Request No. 1401026

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on January 6, 2014. Ten primary soil samples were collected from the site. In addition, one trip blank was prepared by the laboratory and traveled with the samples.

The soil samples were analyzed for total petroleum hydrocarbons (TPH) as diesel (TPH-diesel and TPH as heavy oil (TPH-HO) by the Northwest TPH DX method with a silica gel cleanup and the volatile organic compounds (VOCs) vinyl chloride, toluene and naphthalene by United States Environmental Protection Agency (USEPA) Method 8260. The trip blank was only analyzed for VOCs. The TPH-diesel and TPH-HO analysis was performed in one analysis batch (ID 6289); the VOC analyses were performed in one analysis batch (ID 6292). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1401026.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in one cooler at a cooler temperature of 4.9 degrees centigrade (°C). A sample in the cooler had a temperature of 6.7°C. The cooler temperature was within the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$ and the sample temperature exceeded the upper temperature range. The samples were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were received by the laboratory within one hour and 30 minutes of collection. Based upon this information, the samples and cooler did not have sufficient time to cool to within the recommended temperature preservation limits. For this reason, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260

The analyses of the samples for VOCS were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx

One method blank was analyzed with the single analysis batch. This meets the required method blank frequency for the analytical method. The method blank result did not detect TPH-diesel or TPH-HO at a concentration at or above the Method Reporting Limit (MRL). No data qualifications were warranted.

USEPA Method 8260

One method blank was analyzed with the single VOC analysis batch. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA Method 8260

One trip blank was analyzed with the VOC analysis batch. The trip blank did not contain VOCs at concentrations at or above the MRLs. No data qualifications were warranted.

Field Duplicate Analyses

NWTPH-Dx

A field duplicate analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a field duplicate analysis.

USEPA Method 8260

A field duplicate analysis was not required for the USEPA 8260 method. No data qualifications were warranted due to the lack of a field duplicate analysis.

Laboratory Duplicate Analyses

NWTPH-Dx

A laboratory duplicate sample was prepared from project sample Area 9-Base2-138 and analyzed by the NWTPH Dx method. The RPDs for TPH-diesel and TPH-HO in the primary and duplicate samples were within the laboratory control criterion of 30 RPD. No qualifications were warranted.

USEPA Method 8260

A laboratory duplicate sample was prepared from project sample Area 9-Base13-136 and analyzed by the USEPA 8260 method. The RPDs for the VOC target compounds in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx

One LCS was prepared and analyzed with the single NWTPH-Dx analytical group. This meets the required frequency of LCS analysis for the method. The LCS %R for TPH-diesel was within the laboratory control limits. No qualifications were warranted. Note - The method only requires an LCS for TPH-diesel; therefore, LCS results for TPH-HO are not reported.

USEPA Method 8260

One LCS was prepared and analyzed with the single USEPA 8260 analysis group. This meets the required frequency of LCS analysis for the method. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

USEPA Method 8260

One MS was prepared from project sample Area 9-Base14-136 and analyzed with the project samples in the single USEPA Method 8260 analytical group. A sample duplicate was analyzed in lieu of a MSD. This is acceptable. The %Rs for all target analytes in the MS were within the laboratory control limits. No data in qualifications were warranted.

Other Quality Control Issues

No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project. No data qualifiers were assigned based upon quantitation limits.

Data Assessment

No data were qualified. All data are judged to be acceptable for their intended use.

MEMORANDUM

TO: Project File **DATE:** March 4, 2014
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: January 7, 2014 Soil Samples
LAB: Fremont Analytical Service Request No. 1401040

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on January 7, 2014. Thirteen primary soil samples were collected from the site. In addition, one trip blank was prepared by the laboratory and traveled with the samples.

The soil samples were analyzed for total petroleum hydrocarbons (TPH) as diesel (TPH-diesel and TPH as heavy oil (TPH-HO) by the Northwest TPH DX method with a silica gel cleanup and the volatile organic compounds (VOCs) vinyl chloride, toluene and naphthalene by United States Environmental Protection Agency (USEPA) Method 8260. The trip blank was only analyzed for VOCs. The TPH-diesel and TPH-HO analysis was performed in one analysis batch (ID 6299); the VOC analyses were performed in one analysis batch (ID 6304). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1401040.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in one cooler at a cooler temperature of 8.8 degrees centigrade (°C). A sample in the cooler had a temperature of 8.5°C. The cooler and sample temperatures were above the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$. The samples were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were received by the laboratory within one hour and 37 minutes of collection. Based upon this information, the samples and cooler did not have sufficient time to cool to within the recommended temperature preservation limits. For this reason, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260

The analyses of the samples for VOCS were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx

One method blank was analyzed with the single analysis batch. This meets the required method blank frequency for the analytical method. The method blank result did not detect TPH-diesel or TPH-HO at a concentration at or above the Method Reporting Limit (MRL). No data qualifications were warranted.

USEPA Method 8260

One method blank was analyzed with the single VOC analysis batch. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

USEPA Method 8260

One trip blank was analyzed with the VOC analysis batch. The trip blank did not contain VOCs at concentrations at or above the MRLs. No data qualifications were warranted.

Field Duplicate Analyses

NWTPH-Dx

A field duplicate analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a field duplicate analysis.

USEPA Method 8260

A field duplicate analysis was not required for the USEPA 8260 method. No data qualifications were warranted due to the lack of a field duplicate analysis.

Laboratory Duplicate Analyses

NWTPH-Dx

A laboratory duplicate sample was prepared from project sample Area 9-SSW2-143 and analyzed by the NWTPH Dx method. The RPDs for TPH-diesel and TPH-HO in the primary and duplicate samples were within the laboratory control criterion of 30 RPD. No qualifications were warranted.

USEPA Method 8260

A laboratory duplicate sample was prepared from project sample Area 9-Base23-140 and analyzed by the USEPA 8260 method. The RPDs for the VOC target compounds in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx

One LCS was prepared and analyzed with the single NWTPH-Dx analytical group. This meets the required frequency of LCS analysis for the method. The LCS %R for TPH-diesel was within the laboratory control limits. No qualifications were warranted. Note - The method only requires an LCS for TPH-diesel; therefore, LCS results for TPH-HO are not reported.

USEPA Method 8260

One LCS was prepared and analyzed with the single USEPA 8260 analysis group. This meets the required frequency of LCS analysis for the method. The LCS %Rs for all target analytes were within the laboratory control limits. No qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

USEPA Method 8260

One MS was prepared from project sample Area 9-Base24-140 and analyzed with the project samples in the single USEPA Method 8260 analytical group. A sample duplicate was analyzed in lieu of a MSD. This is acceptable. The %Rs for all target analytes in the MS were within the laboratory control limits. No data in qualifications were warranted.

Other Quality Control Issues

No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project. No data qualifiers were assigned based upon quantitation limits.

Data Assessment

No data were qualified. All data are judged to be acceptable for their intended use.

MEMORANDUM

TO: Project File **DATE:** March 4, 2014
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: January 28, 2014 Soil Samples
LAB: Fremont Analytical Service Request No. 1401227

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on January 28, 2014. Seven primary soil samples were collected. In addition, one trip blank was prepared by the laboratory and traveled with the sample.

The samples were analyzed for total petroleum hydrocarbons (TPH) as diesel (fuel oil) and heavy oil (HO) by the Northwest TPH DX method, TPH as gasoline by the NWTPH-Gx method, and volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260. The TPH-Dx soil analyses were performed in one analysis group (ID 6457); the TPH-Gx soil analyses were performed in one analysis group (ID 12240); and the VOC soil analyses were performed in one primary analysis group (ID 6458). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1401227.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in one cooler at a cooler temperature of 6.6 degrees centigrade (°C). A sample in the cooler had a temperature of 7.0°C. The cooler and sample temperatures were above the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$. The samples in both coolers were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were delivered to the laboratory by courier on the day of sample collection within one hour and nine minutes of the completion of the sample collection effort. Based upon this information, the samples did not have sufficient time to cool to within the recommended temperature levels prior to receipt by the laboratory. Because the samples were properly stored with cooling materials after collection and during transport to the laboratory, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

NWTPH-Gx

The analyses for the NWTPH Gx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260

The analyses for VOCs were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration verification (ICV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no additional data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx

One method blank was analyzed with the single analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the Method Reporting Limits (MRLs). No data qualifications were warranted.

NWTPH-Gx

One method blank was analyzed with the single analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

USEPA Method 8260

One method blank was analyzed for the single USEPA Method 8260 analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

NWTPH-Gx

A trip blank analysis was performed for the TPH-Gx method. No target analytes were detected in the trip blank. No data qualifications were warranted based on the trip blank results.

USEPA Method 8260

A trip blank analysis was performed for the VOC method. No target analytes were detected in the trip blank. No data qualifications were warranted based on the trip blank results.

Field Duplicate Analyses

NWTPH-Dx

A field duplicate analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a field duplicate analysis.

NWTPH-Gx

A field duplicate analysis was not required for the TPH-Gx method. No data qualifications were warranted due to the lack of a field duplicate analysis.

USEPA Method 8260

A field duplicate analysis was not required for the VOC method. No data qualifications were warranted due to the lack of a field duplicate analysis.

Laboratory Duplicate Analyses

NWTPH-Dx

The laboratory prepared one duplicate soil sample for analysis group 6040 from project sample Area3-SESW-8. The primary and laboratory duplicate pair was analyzed by the NWTPH-Dx method. The RPDs for TPH-diesel and TPH-HO in the primary and duplicate sample were within the laboratory control criteria of 30 RPD. No data were qualified.

NWTPH-Gx

The laboratory prepared a batch (non-project) laboratory duplicate for analysis with the project sample group. The RPDs for the target analyte in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

USEPA Method 8260

The laboratory prepared a batch (non-project) laboratory duplicate for analysis group 6458. The primary and laboratory duplicate pairs were analyzed by USEPA Method 8260. The RPDs for all target analytes in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R. No data qualifications were warranted.

NWTPH-Gx

The surrogate %R results for all NWTPH Gx soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits of 65 to 135%. No data qualifications were warranted.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx

One laboratory control sample (LCS) was prepared and analyzed for the single analytical group. The LCS %R for TPH-diesel was within the laboratory control limits. No qualifications were warranted. (Note: The method only requires TPH-diesel QC results; therefore, the TPH-HO results are not reported).

NWTPH-Gx

One LCS was prepared and analyzed for the single analytical group. The LCS %Rs for the target analyte were within the laboratory control limits. No qualifications were warranted.

USEPA Method 8260

One LCS was prepared and analyzed for the single analytical group. The LCS %Rs for the target analyte were within the laboratory control limits. No qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

NWTPH-Gx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Gx method.

USEPA Method 8260

One batch (non-project) soil MS sample was prepared and analyzed with the 6458 analysis group. A sample duplicate was analyzed in lieu of a MS duplicate (MSD) for the project. This is acceptable. The MS %Rs for all target analytes were within the laboratory control limits except for bromomethane and trichlorofluoromethane. In all the exceedance cases the %R for the compounds exceeded the upper control limit. None of the compounds listed above were detected in the project sample. Because the exceeding compounds were not detected and because MS was prepared from a batch (non-project) sample with a different matrix than the project samples; the MS exceedances are not considered sufficient cause to warrant qualification of the data associated with analysis group 6458. Based upon the information cited above, no data qualifications were warranted based upon the MS results for analysis group 6458.

Other Quality Control Issues

No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project; therefore, no data qualifiers were assigned based upon MRLs. No quantitation issues were identified.

Data Assessment

No data were qualified. All data are judged to be acceptable for their intended use.

MEMORANDUM

TO: Project File **DATE:** March 4, 2014
FROM: Jerry Harris
SUBJECT: Laboratory Data Validation Review
PROJECT: Former Pace Facility Kirkland, WA
PROJECT #: 1006.008.03.004
TASK: January 30, 2014 Soil Samples
LAB: Fremont Analytical Service Request No. 1401263

Soil sampling was conducted at the former Pace facility in Kirkland, Washington on January 30, 2014. Four primary soil samples were collected. In addition, one trip blank was prepared by the laboratory and traveled with the sample.

The samples were analyzed for total petroleum hydrocarbons (TPH) as diesel (fuel oil) and heavy oil (HO) by the Northwest TPH DX method, TPH as gasoline by the NWTPH-Gx method, and volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260. The TPH-Dx soil analyses were performed in one analysis group (ID 6480); the TPH-Gx soil analyses were performed in one analysis group (ID 12284); and the VOC soil analyses were performed in one primary analysis group (ID 6477). Laboratory analytical services were provided by Fremont Analytical (FA) of Seattle, Washington. FA Project number: 1401263.

The quality assurance review of the groundwater samples data is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for review of analytical data were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA, 1999).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The samples were collected in appropriately preserved containers supplied by the analytical laboratory. The laboratory reported that the samples were received in good condition. The laboratory received the samples in one cooler at a cooler temperature of 6.3 degrees centigrade (°C). A sample in the cooler had a temperature of 8.5°C. The cooler and sample temperatures were above the USEPA recommended temperature range of $4^{\circ} \pm 2^{\circ}\text{C}$. The samples in both coolers were appropriately preserved with ice/gel packs and no shipping anomalies were identified by the laboratory. The samples were delivered to the laboratory by courier on the day of sample collection within one hour and eight minutes of the completion of the sample collection effort. Based upon this information, the samples did not have sufficient time to cool to within the recommended temperature levels prior to receipt by the laboratory. Because the samples were properly stored with cooling materials after collection and during transport to the laboratory, the elevated sample receipt temperatures are not considered sufficient cause to warrant qualification of the data. No data qualifications were warranted based upon the laboratory receipt temperatures.

Holding Times

NWTPH-Dx

The extractions and analyses for the NWTPH-Dx method were performed within the recommended 14 day holding time limit for soil samples.

NWTPH-Gx

The analyses for the NWTPH Gx method were performed within the recommended 14 day holding time limit for soil samples.

USEPA Method 8260

The analyses for VOCS were performed within the recommended 14 day holding time limit for soil samples. No data were qualified based upon holding times.

Initial Calibration

Hard copies of the initial calibration verification (ICV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in initial calibration results associated with the project analyses if they occur. No discrepancies were reported; therefore no additional data qualifications were warranted.

Continuing Calibration

Hard copies of the continuing calibration verification (CCV) data for this project are not required in the data deliverable. The laboratory is required to discuss discrepancies in continuing calibration results associated with the project analyses. No discrepancies were reported; therefore no data qualifications were warranted.

Method Blank Results

NWTPH-Dx

One method blank was analyzed with the single analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the Method Reporting Limits (MRLs). No data qualifications were warranted.

NWTPH-Gx

One method blank was analyzed with the single analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

USEPA Method 8260

One method blank was analyzed for the single USEPA Method 8260 analysis group. This meets the required method blank frequency for the analytical method. The method blank results did not report any compounds at concentrations at or above the MRLs. No data qualifications were warranted.

Trip Blank Results

NWTPH-Dx

A trip blank analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a trip blank analysis.

NWTPH-Gx

A trip blank analysis was performed for the TPH-Gx method. No target analytes were detected in the trip blank. No data qualifications were warranted based on the trip blank results.

USEPA Method 8260

A trip blank analysis was performed for the VOC method. No target analytes were detected in the trip blank. No data qualifications were warranted based on the trip blank results.

Field Duplicate Analyses

NWTPH-Dx

A field duplicate analysis was not required for the TPH-Dx method. No data qualifications were warranted due to the lack of a field duplicate analysis.

NWTPH-Gx

A field duplicate analysis was not required for the TPH-Gx method. No data qualifications were warranted due to the lack of a field duplicate analysis.

USEPA Method 8260

A field duplicate analysis was not required for the VOC method. No data qualifications were warranted due to the lack of a field duplicate analysis.

Laboratory Duplicate Analyses

NWTPH-Dx

The laboratory prepared one duplicate soil sample for analysis group 6480 from project sample Area3-Base4-14. The primary and laboratory duplicate pair was analyzed by the NWTPH-Dx method. The RPDs for TPH-diesel and TPH-HO in the primary and duplicate sample were within the laboratory control criteria of 30 RPD. No data were qualified.

NWTPH-Gx

The laboratory prepared one duplicate soil sample for analysis group 12284 from project sample Area3-Base4-14. The RPDs for the target analyte in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

USEPA Method 8260

The laboratory prepared one duplicate soil sample for analysis group 6477 from project sample Area3-Base4-14. The primary and laboratory duplicate pairs were analyzed by USEPA Method 8260. The RPDs for all target analytes in the primary and duplicate samples were within the laboratory control criteria of 30 RPD. No data were qualified.

Surrogate Recoveries

NWTPH-Dx

The surrogate percent recovery (%R) results for all NWTPH Dx soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits of 50 to 150%R. No data qualifications were warranted.

NWTPH-Gx

The surrogate %R results for all NWTPH Gx soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits of 65 to 135%. No data qualifications were warranted.

USEPA Method 8260

The surrogate %R results for all USEPA Method 8260 soil samples, laboratory control samples, matrix spikes, duplicates and method blanks were within the laboratory surrogate control limits. No data qualifications were warranted.

Laboratory Control Samples

NWTPH-Dx

One laboratory control sample (LCS) was prepared and analyzed for the single analytical group. The LCS %R for TPH-diesel was within the laboratory control limits. No qualifications were warranted. (Note: The method only requires TPH-diesel QC results; therefore, the TPH-HO results are not reported).

NWTPH-Gx

One LCS was prepared and analyzed for the single analytical group. The LCS %R for the target analyte were within the laboratory control limits. No qualifications were warranted.

USEPA Method 8260

One LCS was prepared and analyzed for the single analytical group. The LCS %Rs for the target except for toluene, 1,1,2-trichloroethane, 1,3-dichloropropane and 1,2-dibromoethane. In all four cases, the %R was below the lower control limit, indicating a potential low bias in the project sample results for these compounds. The laboratory provided ICV results indicating that all four of the compounds were in control at the beginning of the analytical run and CCV results for toluene, 1,3-dichloropropane and 1,2-dibromoethane that demonstrated that these three compounds were in control during the analytical run. Based upon this information, the laboratory only qualified the 1,1,2-trichloroethane results as being potentially biased low in the project samples. None of the four compounds were detected in the project samples. Based upon the laboratory's evaluation above and because none of the four compounds were detected in the project samples, all 1,1,2-trichloroethane project sample not-detected results are qualified as estimated and assigned a J flag. Laboratory reports pages showing the qualifications are attached. Due to the ICV and CCV results and the lack of detections for the remaining three compounds, the low %Rs are not considered sufficient cause to warrant qualification of the toluene, 1,3-dichloropropane and 1,2-dibromoethane data. No other qualifications were warranted.

Matrix Spike/Matrix Spike Duplicates

NWTPH-Dx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Dx method.

NWTPH-Gx

Matrix spikes and matrix spike duplicates (MS/MSD) are not required for the NWTPH Gx method.

USEPA Method 8260

One soil MS sample was prepared from project sample Area3-Base5-13 and analyzed with the 6477 analysis group. A sample duplicate was analyzed in lieu of a MS duplicate (MSD) for the project. This is acceptable. The MS %Rs for all target analytes were within the laboratory control limits except for bromomethane, trichlorofluoromethane, bormoform and chloroethane, which had %Rs exceeding the upper control limit, and toluene, which had a %R below the lower control limit. None of the compounds listed above were detected in the project samples. For bromomethane, trichlorofluoromethane, bormoform and chloroethane, which had %Rs exceeding the upper control limit, the exceedance indicates a potential high bias in associated sample results. Because the exceeding compounds were not detected, the potential high bias was not realized; therefore, the MS exceedances are not considered sufficient cause to warrant qualification of the data associated with analysis group 6477. For toluene, because the spike concentration was more than 50 times the detection limit and the remaining quality control data indicates that the instrumentation was able to detect toluene, the MS exceedance was not considered sufficient cause to warrant qualification of the toluene data associated with analysis group 6477. Based upon the information cited above, no data qualifications were warranted based upon the MS results for analysis group 6477.

Other Quality Control Issues

No other laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The MRLs were acceptable for the project; therefore, no data qualifiers were assigned based upon MRLs. No quantitation issues were identified.

Data Assessment

Due to a low LCS %R for 1,1,2-trichloroethane, all 1,1,2-trichloroethane results in the project samples (all not-detected) are qualified as estimated and assigned a J flag. Laboratory reports pages showing the qualifications are attached. No other data were qualified. All data, including the qualified data, are judged to be acceptable for their intended use.



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 12:06:00 PM

Project: Former Pace National

Lab ID: 1401263-001

Matrix: Soil

Client Sample ID: Area3-Base4-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Dibromomethane	ND	0.0420		mg/Kg-dry	1	1/31/2014 4:40:00 AM
cis-1,3-Dichloropropene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Toluene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
trans-1,3-Dichloropropylene	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,1,2-Trichloroethane	ND J	0.0315	*	mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,3-Dichloropropane	ND	0.0525		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Tetrachloroethene (PCE)	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Dibromochloromethane	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2-Dibromoethane (EDB)	ND	0.00525		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Chlorobenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Ethylbenzene	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
m,p-Xylene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
o-Xylene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Styrene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Isopropylbenzene	ND	0.0839		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Bromoform	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
n-Propylbenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Bromobenzene	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,3,5-Trimethylbenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
2-Chlorotoluene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
4-Chlorotoluene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
tert-Butylbenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2,3-Trichloropropane	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2,4-Trichlorobenzene	ND	0.0525		mg/Kg-dry	1	1/31/2014 4:40:00 AM
sec-Butylbenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
4-Isopropyltoluene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,3-Dichlorobenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,4-Dichlorobenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
n-Butylbenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2-Dichlorobenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0315		mg/Kg-dry	1	1/31/2014 4:40:00 AM
1,2,4-Trimethylbenzene	ND	0.0210		mg/Kg-dry	1	1/31/2014 4:40:00 AM
Hexachlorobutadiene	ND	0.105		mg/Kg-dry	1	1/31/2014 4:40:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 12:13:00 PM

Project: Former Pace National

Lab ID: 1401263-002

Matrix: Soil

Client Sample ID: Area3-Base5-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Dibromomethane	ND	0.0459		mg/Kg-dry	1	1/31/2014 5:39:00 AM
cis-1,3-Dichloropropene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Toluene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
trans-1,3-Dichloropropylene	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,1,2-Trichloroethane	ND J	0.0344	*	mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,3-Dichloropropane	ND	0.0574		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Tetrachloroethene (PCE)	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Dibromochloromethane	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2-Dibromoethane (EDB)	ND	0.00574		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Chlorobenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Ethylbenzene	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
m,p-Xylene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
o-Xylene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Styrene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Isopropylbenzene	ND	0.0919		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Bromoform	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
n-Propylbenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Bromobenzene	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,3,5-Trimethylbenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
2-Chlorotoluene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
4-Chlorotoluene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
tert-Butylbenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2,3-Trichloropropane	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2,4-Trichlorobenzene	ND	0.0574		mg/Kg-dry	1	1/31/2014 5:39:00 AM
sec-Butylbenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
4-Isopropyltoluene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,3-Dichlorobenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,4-Dichlorobenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
n-Butylbenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2-Dichlorobenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0344		mg/Kg-dry	1	1/31/2014 5:39:00 AM
1,2,4-Trimethylbenzene	ND	0.0230		mg/Kg-dry	1	1/31/2014 5:39:00 AM
Hexachlorobutadiene	ND	0.115		mg/Kg-dry	1	1/31/2014 5:39:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 12:20:00 PM

Project: Former Pace National

Lab ID: 1401263-003

Matrix: Soil

Client Sample ID: Area3-Base6-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Dibromomethane	ND	0.0446		mg/Kg-dry	1	1/31/2014 1:29:00 PM
cis-1,3-Dichloropropene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Toluene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
trans-1,3-Dichloropropylene	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,1,2-Trichloroethane	ND J	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,3-Dichloropropane	ND	0.0558		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Tetrachloroethene (PCE)	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Dibromochloromethane	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2-Dibromoethane (EDB)	ND	0.00558		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Chlorobenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Ethylbenzene	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
m,p-Xylene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
o-Xylene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Styrene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Isopropylbenzene	ND	0.0893		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Bromoform	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
n-Propylbenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Bromobenzene	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,3,5-Trimethylbenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
2-Chlorotoluene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
4-Chlorotoluene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
tert-Butylbenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2,3-Trichloropropane	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2,4-Trichlorobenzene	ND	0.0558		mg/Kg-dry	1	1/31/2014 1:29:00 PM
sec-Butylbenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
4-Isopropyltoluene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,3-Dichlorobenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,4-Dichlorobenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
n-Butylbenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2-Dichlorobenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0335		mg/Kg-dry	1	1/31/2014 1:29:00 PM
1,2,4-Trimethylbenzene	ND	0.0223		mg/Kg-dry	1	1/31/2014 1:29:00 PM
Hexachlorobutadiene	ND	0.112		mg/Kg-dry	1	1/31/2014 1:29:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 1/30/2014 1:15:00 PM

Project: Former Pace National

Lab ID: 1401263-004

Matrix: Soil

Client Sample ID: Area3-SSW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477

Analyst: EM

Dibromomethane	ND	0.0406		mg/Kg-dry	1	1/31/2014 1:56:00 PM
cis-1,3-Dichloropropene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Toluene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
trans-1,3-Dichloropropylene	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1,2-Trichloroethane	ND J	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,3-Dichloropropane	ND	0.0507		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Tetrachloroethene (PCE)	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Dibromochloromethane	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2-Dibromoethane (EDB)	ND	0.00507		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Chlorobenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Ethylbenzene	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
m,p-Xylene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
o-Xylene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Styrene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Isopropylbenzene	ND	0.0812		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Bromoform	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
n-Propylbenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Bromobenzene	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,3,5-Trimethylbenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
2-Chlorotoluene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
4-Chlorotoluene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
tert-Butylbenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2,3-Trichloropropane	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2,4-Trichlorobenzene	ND	0.0507		mg/Kg-dry	1	1/31/2014 1:56:00 PM
sec-Butylbenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
4-Isopropyltoluene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,3-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,4-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
n-Butylbenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0304		mg/Kg-dry	1	1/31/2014 1:56:00 PM
1,2,4-Trimethylbenzene	ND	0.0203		mg/Kg-dry	1	1/31/2014 1:56:00 PM
Hexachlorobutadiene	ND	0.101		mg/Kg-dry	1	1/31/2014 1:56:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits



Analytical Report

WO#: 1401263

Date Reported: 1/31/2014

Client: PES Environmental, Inc.

Collection Date: 12/13/2013 1:30:00 PM

Project: Former Pace National

Lab ID: 1401263-005

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: R12284 Analyst: EM

Gasoline	ND	5.00	H	mg/Kg	1	1/31/2014 4:11:00 AM
Surr: Toluene-d8	111	65-135	H	%REC	1	1/31/2014 4:11:00 AM
Surr: 4-Bromofluorobenzene	120	65-135	H	%REC	1	1/31/2014 4:11:00 AM

Volatile Organic Compounds by EPA Method 8260

Batch ID: 6477 Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0600	H	mg/Kg	1	1/31/2014 4:11:00 AM
Chloromethane	ND	0.0600	H	mg/Kg	1	1/31/2014 4:11:00 AM
Vinyl chloride	ND	0.00200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Bromomethane	ND	0.0900	H	mg/Kg	1	1/31/2014 4:11:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500	H	mg/Kg	1	1/31/2014 4:11:00 AM
Chloroethane	ND	0.0600	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,1-Dichloroethene	ND	0.0500	H	mg/Kg	1	1/31/2014 4:11:00 AM
Methylene chloride	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
trans-1,2-Dichloroethene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0500	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,1-Dichloroethane	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
2,2-Dichloropropane	ND	0.0500	H	mg/Kg	1	1/31/2014 4:11:00 AM
cis-1,2-Dichloroethene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Chloroform	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,1-Dichloropropene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Carbon tetrachloride	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,2-Dichloroethane (EDC)	ND	0.0300	H	mg/Kg	1	1/31/2014 4:11:00 AM
Benzene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Trichloroethene (TCE)	ND	0.0300	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,2-Dichloropropane	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Bromodichloromethane	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Dibromomethane	ND	0.0400	H	mg/Kg	1	1/31/2014 4:11:00 AM
cis-1,3-Dichloropropene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
Toluene	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM
trans-1,3-Dichloropropylene	ND	0.0300	H	mg/Kg	1	1/31/2014 4:11:00 AM
1,1,2-Trichloroethane	ND J	0.0300	*H	mg/Kg	1	1/31/2014 4:11:00 AM
1,3-Dichloropropane	ND	0.0500	H	mg/Kg	1	1/31/2014 4:11:00 AM
Tetrachloroethene (PCE)	ND	0.0200	H	mg/Kg	1	1/31/2014 4:11:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 RL Reporting Limit

D Dilution was required
 H Holding times for preparation or analysis exceeded
 ND Not detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits