

The full Remedial Investigation Report for Whitney's Chevrolet cleanup site (FSID # 36813164) includes:

- 1. Draft Remedial Investigation Report, dated March 24, 2010**
- 2. Interim Action and Data Gap Investigation Report, dated February 28, 2012**
- 3. Response to Ecology Comments, Interim Action and Data Gap Investigation Report, dated March 23, 2012**

This file contains items 2 and 3. Item 1 is contained in a document entitled "Whitney's Chevrolet Remedial Investigation Report Part I."

Interim Action and Data Gap Investigation Report

**Whitney's Chevrolet, Inc.
123 Pioneer Avenue
Montesano, Washington 98563**

Prepared For:

**Whitney's Chevrolet, Inc.
Caldwell Family Holdings, LLC
Wynoochee Lodge #43, F&AM of Washington
c/o Mr. Clark Davis
Davis Law Office, PLLC
7252 Pioneer Way, Suite 202
Gig Harbor, Washington 98335**

February 23, 2012

Prepared By:

Environmental Partners, Inc.
295 NE Gilman Blvd., Suite 201
Issaquah, Washington 98027
(425) 395-0010


Thomas C. Morin, L.G.
Principal Geologist

Project Number: 51201-8

QR 

TR 


Eric L. Caddey, L.G.
Senior Geologist

ERIC L. CADDEY

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Background.....	1
1.1.1	Site Description	2
1.1.2	Site History and Prior Actions	2
1.2	Data Gaps Investigation.....	2
1.3	Interim Action Work Areas	3
1.4	Contaminants of Concern and Cleanup Levels	3
2.0	OBJECTIVES.....	6
2.1	Data Gaps Investigation.....	6
2.2	Interim Actions	7
3.0	METHODOLOGY	7
3.1	Data Gaps.....	7
3.1.1	Data Gap 1.....	7
3.1.2	Data Gap 2.....	9
3.1.3	Data Gap 3.....	9
3.1.4	Data Gap 4.....	10
3.1.5	Data Gap 5.....	10
3.1.6	Data Gap 6.....	10
3.2	Interim Actions	11
3.3	Permitting.....	11
3.4	Ground Water Monitoring.....	12
4.0	DATA GAPS INVESTIGATIONS FINDINGS.....	12
4.1	Data Gap 1.....	13
4.2	Data Gap 2.....	14
4.3	Data Gap 3.....	15
4.4	Data Gap 4.....	16
4.5	Data Gap 5.....	17
4.6	Data Gap 6.....	18
4.7	Disposal of Investigation Derived Waste (IDW).....	20
5.0	INTERIM REMEDIAL ACTIONS FINDINGS.....	20
5.1	Work Area 1 – USTs 1, 2, and 3.....	20
5.1.1	Excavating and Soil Handling	21

5.1.2	Performance Sampling.....	23
5.1.3	Site Restoration.....	26
5.1.4	Reinstallation of MW-1	26
5.2	Work Area 2 – UST 4.....	28
5.2.1	Excavating and Soil Handling	28
5.2.2	Performance Sampling.....	29
5.2.3	Installation of Infiltration Gallery	31
5.2.4	Site Restoration.....	31
5.3	Work Area 3 – UST 5.....	31
5.3.1	Excavating and Soil Handling	32
5.3.2	Performance Sampling.....	33
5.3.3	Installation of Infiltration Gallery	35
5.3.4	Site Restoration.....	36
5.4	Work Area 4 – UST 6.....	36
5.4.1	Excavating and Soil Handling	36
5.4.2	Performance Sampling.....	37
5.4.3	Installation of Infiltration Gallery	38
5.4.4	Site Restoration.....	39
5.5	Impacted Soil Disposal	39
6.0	GROUND WATER MONITORING FINDINGS.....	39
6.1	New Well Development.....	40
6.2	Findings	40
6.2.1	Piezometric Conditions	40
6.2.2	Analytical Results.....	40
6.3	Disposal of Investigation Derived Wastes (IDW)	43
7.0	CONCEPTUAL SITE MODEL.....	43
8.0	CONCLUSIONS.....	45
9.0	LIMITATIONS.....	48
10.0	REFERENCES.....	48

Tables

Table 1:	Site COPC Screening/Cleanup Levels
Table 2:	Summary of Data Gaps (embedded)
Table 3:	Summary of Soil Sample Analytical Results for Newly Installed Wells
Table 4:	Summary of Ground Water Sample Analytical Results
Table 5:	Summary of VPH Analytical Results for Soil
Table 6:	Summary of J&E Modeling Results (embedded)
Table 7:	Summary of UST Assessment Soil Sample Analytical Results for Whitney's Chevrolet Auto Body Repair Shop UST-7
Table 8:	Summary of Soil Sample Analytical Results for Work Area 1
Table 9:	Summary of Soil Sample Analytical Results for Work Area 2
Table 10:	Summary of Soil Sample Analytical Results for Work Area 3
Table 11:	Summary of Soil Sample Analytical Results for Work Area 4
Table 12:	Summary of Depth to Water and Ground Water Elevation Data

Figures

Figure 1:	General Vicinity Map
Figure 2:	Site Representation with Site Boundary and Monitoring Well Locations
Figure 3:	Site Plan with Interim Action Work Areas and UST Locations
Figure 4:	Site Plan with Locations of Soil Samples Collected from UST-7
Figure 5:	Work Area 1 - Soil Sample Locations and Final Limits of Excavation
Figure 6:	Work Area 1 - Performance Soil Sample Locations and Analytical Results
Figure 7:	Work Area 1 - Final Performance Soil Sample Locations and Analytical Results
Figure 8:	Work Area 1 - Performance Soil Sample Locations and PCE Analytical Results
Figure 9:	Work Area 2 – Limits of Excavation and Performance Soil Sample Results
Figure 10:	Work Area 3 – Limits of Excavation and Performance Soil Sample Results
Figure 11:	Work Area 4 – Limits of Excavation and Performance Soil Sample Results
Figure 12:	Water Table Piezometric Contours for October/November 2011
Figure 13:	Site Presentation with Summary of Ground Water Analytical Data
Figure 14:	GRPH Isoconcentration Contours for October/November 2011
Figure 15:	Benzene Isoconcentration Contours for October/November 2011
Figure 16:	PCE Isoconcentration Contours for October/November 2011
Figure 17:	Interpretive Cross-Section A-A'

Appendices

Appendix 1:	Soil Boring Logs with As-built Well Diagrams
Appendix 2:	Ecology "Contained-Out" Determination Letter
Appendix 3:	Laboratory Analytical Reports for Monitoring Well Soil Samples (<i>on CD</i>)
Appendix 4:	Laboratory Analytical Reports for Ground Water Samples (<i>on CD</i>)
Appendix 5:	Geophysical Survey Conducted by NGA
Appendix 6:	Laboratory Analytical Reports for Soil Samples for UST-7 (<i>on CD</i>)

- Appendix 7: IDW Disposal Documentation
- Appendix 8: Laboratory Analytical Reports for Work Area 1 (*on CD*)
- Appendix 9: Soil Compaction Field Testing Documentation
- Appendix 10: Laboratory Analytical Reports for Work Area 2 (*on CD*)
- Appendix 11: Engineering Diagrams for Shoring Requirements
- Appendix 12: Laboratory Analytical Reports for Work Area 3 (*on CD*)
- Appendix 13: Waste Manifest for Transite Sewer Pipe
- Appendix 14: Laboratory Analytical Reports for Work Area 4 (*on CD*)
- Appendix 15: PCS Disposal Documentation (*on CD*)
- Appendix 16: "Contained-Out" PCE Soil Disposal Documentation (*on CD*)
- Appendix 17: Hazardous Waste PCE Soil Disposal Documentation

1.0 INTRODUCTION

Environmental Partners, Inc. (EPI) has prepared this *Interim Action and Data Gap Investigation Report* (IADGR) for the Whitney's Chevrolet facility located at 123 West Pioneer Avenue in Montesano, Washington (Property). For the purpose of this report, the term "Site" includes the Whitney's Chevrolet Property and the impacted areas on and off the Property. The general location of the Property is indicated on Figure 1. The Whitney's Chevrolet Site is indicated on Figure 2.

The work presented in this report was conducted under Agreed Order No. DE 2951 (Order) dated May 30, 2007 and as amended on April 25, 2011. The Order is between the Washington State Department of Ecology (Ecology) and Whitney's Chevrolet, Inc.; Caldwell Family Holdings, LLC; and Wynoochee Lodge #43 F&AM of Washington (collectively, the potentially liable persons [PLPs]). The Order was issued pursuant to the authority of the Model Toxics Control Act (MTCA), Revised Code of Washington (RCW), Chapter 70.105D.050(1). The original Order required that the PLPs perform a Remedial Investigation and prepare a draft and final Remedial Investigation/Feasibility Study (RI/FS) report for the Site. The Order was amended by agreement of the parties to include: (1) performance of interim actions (IAs) at the Site, including removal of underground storage tanks (UST) and contaminated soils; (2) implementation of the data gaps work plan to complete the RI; (3) performance of a year of performance groundwater monitoring; (4) preparation of the FS; and (5) preparation of a draft Cleanup Action Plan (dCAP).

On behalf of the PLPs and in conformance with the amended Order, EPI prepared an *Interim Remedial Action Work Plan and Data Gaps Investigation* (IAWP) dated January 12, 2011. The IAWP generally described the scope of work for performing source removal and source control in areas of known impacts as identified in the Draft Remedial Investigation Report (RI), dated March 24, 2010 as well as an investigation of remaining data gaps necessary to provide a fuller understanding of the extent of environmental impacts. The scope of work for the data gaps investigation was based upon the findings of the RI Report and upon comments contained in Ecology's letter titled *Whitney's Chevrolet Draft RI Report Comments* (Ecology Comments) dated September 30, 2010.

The IAWP was previously presented to Ecology for review and approval on January 12, 2011. Ecology reviewed the IAWP, presented the IAWP and State Environmental Policy Act (SEPA) checklist for public comment, and approved the IAWP activities in an Amendment to the Order dated April 25, 2011.

The work summarized in this report was performed in general conformance with the IAWP. Deviations from the IAWP are described, and analytical results are presented in tabular form and graphically on figures. Following approval of this report by Ecology and one year of ground water monitoring, the process of preparing a FS that considers the remaining site impacts will begin.

1.1 Background

A brief site description and history are described in the following sections.

1.1.1 Site Description

The Site is located in downtown Montesano, Washington, as presented on Figure 1 – General Vicinity Map. Figure 2 depicts the current property features and structures.

The entire Site is covered with buildings, asphalt, or concrete. Only marginal areas of landscaping exist. The Site is generally flat with slopes of less than 2 percent. Apparent storm water flow is from north to south. There are a total of four properties that are either fully or partially encompassed by the Site; these are:

- Whitney's Chevrolet;
- Sterling Savings Bank
- Charlie's Bar/Veterans of Foreign Wars (VFW) Post #2455; and
- Tony's Short Stop.

The entire northern portion of the Whitney's Chevrolet facility is under roof and currently houses an automobile dealership, repair facility, and vehicle parts sales office. Repair activities include mechanical and auto body repairs. The Whitney's Chevrolet facility was built in stages, with the oldest portion of the building (*i.e.*, northwestern corner) being built in the early 1900s.

The Tony's Short Stop property is subject to its own agreed order (Agreed Order DE-2954) for a pre-existing release of petroleum hydrocarbon fuels in the southeastern corner of that property.

1.1.2 Site History and Prior Actions

Information pertaining to the Site's history has previously been described in detail in the *Draft Remedial Investigation Report*, dated March 24, 2010. The reader is directed to this document for additional information.

Several previous investigations that are relevant to the Property have been conducted since 1995. A brief review of each report is presented in the IAWP. The reviewer is directed to the source documents for additional detail.

1.2 Data Gaps Investigation

The data gaps investigation portion of the IAs was based upon the findings of the RI Report and upon comments contained in Ecology's letter titled *Whitney's Chevrolet Draft RI Report Comments* (Ecology Comments) dated September 30, 2010. A total of six data gaps were previously identified and were investigated during the course of the IAs.

1.3 Interim Action (IA) Work Areas

The IAWP identified four work areas to be included as part of the IA activities. The work areas are located to the west of the building under the adjacent sidewalk and city street (South First Street), and inside the Whitney's Chevrolet building.

Each work area consists of an UST or groups of USTs. UST-1, UST-2, and UST-3 are in Work Area 1; UST-4 is in Work Area 2; UST-5 is in Work Area 3; and UST-6 is in Work Area 4. The locations of the work areas are depicted on Figure 3, and designated by WA1, WA2, WA3, and WA4, respectively.

1.4 Contaminants of Concern and Cleanup Levels

The IAWP identified contaminants of potential concern (COPCs) for soil as those compounds that had been detected at concentrations exceeding a MTCA Method A or Method B Soil Cleanup Level for Unrestricted Land Uses (CULs). The MTCA Method A or Method B CULs do not take into account site-specific exposures and make conservative assumptions regarding receptors, such as the assumption of a residential juvenile exposure, which are likely not appropriate for the Site. Actual site-specific cleanup levels and/or remediation levels consistent with appropriate MTCA standards may be developed during the FS process and during development of a final Cleanup Action Plan (CAP) for the site.

The selected Site COPCs in soil and ground water are summarized in Table 1.

The IAWP identified COPCs for soil based on comparison to the MTCA Method A or Method B Soil Cleanup Level for Unrestricted Land Uses. The COPCs for soil at the Site include the following:

- Oil-range Petroleum Hydrocarbons (ORPH)
- Gasoline-range Hydrocarbons (GRPH)
- Benzene
- Toluene
- Ethylbenzene
- Total Xylenes
- Naphthalenes
- Lead

It is important to note that tetrachloroethene (PCE) was detected in some soil samples from the Site at concentrations slightly above the MTCA Method A Soil CUL. However, PCE is not a soil COPC at the Site. The presence of low levels of PCE in a small portion of the soil excavated during the IAs was accounted for during soil disposal.

The IAWP identified COPCs for ground water as those compounds that were detected at concentrations exceeding the MTCA Method A CUL for ground water as a source of drinking water. The COPCs identified in the ground water at the Site include the following:

- GRPH
- Benzene
- Toluene
- Ethylbenzene
- Total Xylenes
- PCE

The IAWP identified COPCs for indoor air as those compounds that were measured in soil or ground water during the RI at concentrations that could result in vapor intrusion at concentrations potentially exceeding a MTCA Method B indoor air cleanup level based upon a residential exposure scenario. The COPCs for indoor air include the following:

- GRPH
- 1,3 - Butadiene
- Naphthalenes
- 1,2,4 - Trimethylbenzene
- Benzene
- 1,2-Dichloroethane (1,2-DCA; a.k.a ethylene dichloride, EDC)
- Total Xylenes
- Chloromethane
- 1,4 - Dichlorobenzene
- PCE
- Trichloroethene (TCE)

Target analytes were selected for each work area for the purpose of assessing soil impacts and guiding remedial excavation during the IA. Target analytes differ from COPCs in that they include compounds that were detected during the RI in the vicinity of the work area at concentrations either above or below MTCA Method A or B CULs. Target analytes also include COPCs for ground water that were either detected in soil or not analyzed in soil during the RI in the vicinity of a work area. Target analytes do not include compounds that were not detected above compound-specific laboratory detection limits in soil during the RI.

Target analytes in soil in Work Area 1 include the following:

- ORPH
- GRPH
- Benzene
- Toluene

- Ethylbenzene
- Total Xylenes
- PCE
- Total Lead

Target analytes in soil in Work Area 2 and Work Area 3 include the following:

- ORPH
- Diesel-Range Petroleum Hydrocarbons (DRPH)
- GRPH
- Benzene
- Toluene
- Ethylbenzene
- Total Xylenes
- PCE
- Total Naphthalenes
- Total Lead

Target analytes in soil at Work Area 4 include the following:

- ORPH
- Benzene
- Toluene
- Ethylbenzene
- Total Xylenes
- PCE
- Total Naphthalenes
- Total Lead

Analytical data obtained during the RI indicated that ground water impacts are generally the same across the Site. The target analytes for ground water include the following:

- GRPH
- Benzene
- Toluene
- Ethylbenzene
- Total Xylenes
- PCE

2.0 OBJECTIVES

The objectives of the data gaps investigations and the IAs are described in the following sections.

2.1 Data Gaps Investigation

The RI Report identified some remaining data gaps in the characterization of the extent of impacts at the Site. Additionally, Ecology's comments to the RI Report presented data gaps that Ecology sought to have addressed. A summary of the identified data gaps and their corresponding responses is included in Table 2 below:

Table 2
Summary of Data Gaps

Data Gap		Area of Site	Response
1	Potential commingling plumes between Whitney's Chevrolet and Tony's Short Stop "Sites"	Southeastern extent of plume, on Tony's Short Stop property	Install and sample two ground water monitoring wells to characterize downgradient extent of the Whitney plume.
2	GRPH as a COC in air	Interior of buildings	Calculate site-specific cleanup level for GRPH in indoor air using <i>MTCATPH11.1</i> and compare the relative toxicity to that of known COCs for air (e.g., PCE, benzene, etc.)
3	Up-gradient extent of the dissolved-phase hydrocarbon plume to the northwest of the Whitney's Chevrolet facility has not been fully characterized	Northwest of Whitney's Chevrolet building	Install and sample a total of four additional ground water monitoring wells; two in South First Street and two in West Pioneer Avenue.
4	Identification of potential off-property source of PCE impacts	South First Street	Sample ground water from the two newly installed wells in South First Street and analyze for PCE.
5	Indoor air quality at the Post Office	US Post Office Building	Perform Johnson and Ettinger (J&E) Modeling for US Post Office building and analyze results of soil gas in comparison to results of the J&E Model.
6	Potential USTs and volatile organic compounds (VOC) sources at the Whitney's Chevrolet Auto Body Repair Shop	Whitney's Chevrolet Auto Body Repair Shop (north of West Pioneer Avenue)	Conduct a site reconnaissance and interview with site operators, and document findings.

2.2 Interim Actions

The remedial objective for the IAs is to excavate all reasonably accessible soils in the four work areas that contain the target analytes identified in Section 1.4 at concentrations exceeding MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses. In the case of the target analytes, MTCA Method A Soil Cleanup Levels are considered protective of ground water quality to a drinking water standard, and attainment of those cleanup levels is considered fully protective of human health and the environment. The location of each Work Area is provided in Figure 3.

Work Area 1 is located west of the northwest exterior corner of the Whitney's Chevrolet building and consists of UST-1 located in South First Street, UST-2 located in the sidewalk, and UST-3 located in the sidewalk south of UST-2.

Work Area 2 is located in the west-central portion of the building and consists of UST-4 located in an access ramp to the Whitney's Chevrolet Auto Body Repair Shop. This area is situated in the machine shop and repair shop portions of the Property and includes a portion of the sidewalk west of the building.

Work Area 3 is located in the central portion of the building and consists of UST-5 located in a mechanics bay.

Work Area 4 is located in the central-east portion of the building and consists of UST-6 located partially in the paint booth, and extends partially under the wall to the auto parts storage room.

3.0 METHODOLOGY

This section describes the methodology used to achieve the objectives of the data gaps investigations and IAs as described in the IAWP. Section 4.0 presents the findings of the investigative actions for each data gap.

3.1 Data Gaps

The methodologies used for the investigation of each of the six data gaps listed in Section 2.1 are described in the following sections.

3.1.1 Data Gap 1

Two additional ground water monitoring wells (KBMW-11 and KBMW-12) were installed on the Tony's Short Stop property using hollow-stem auger drilling techniques. At the request of Tony's Short Stop Site consultant and with approval from Ecology, the well location for KBMW-11 was moved from the proposed location in the IAWP (in the sidewalk along Main Street) to the northwest side of Tony's convenience store building. It was determined that this new location would yield better plume characterization. The location for KBMW-12 was located approximately in the same location as proposed in the IAWP.

The owner of Tony's Short Stop inspected the well locations and approved the sites prior to installation. A private utility locating service was used to assist with utility clearance at each location. As a precaution, the top 5 feet of soils at each location was air-knifed to check for unknown buried utilities.

All well drilling and installation was performed using standard hollow-stem auger (HSA) drilling and well installation techniques. The wells were constructed of 2-inch-diameter, flush-threaded, schedule 40 PVC casing and screen in conformance with WAC 173-160-430. The screened interval was from 9 to 24 feet bgs to account for the anticipated maximum annual fluctuation in water table elevation. Well screen assemblies consisted of 0.010-inch (*i.e.*, 10-slot), flush-threaded, machine-slotted Schedule 40 PVC screen with a threaded end cap.

The sand filter pack consisted of 20-40 Colorado silica sand placed in the annulus of the boring from the bottom at 24 feet to approximately 2 feet above the screen (*i.e.*, 7 feet below grade). Hydrated bentonite chips were placed in the annular space from the top of the sand pack to within 2 feet of ground surface. The wells were then completed within a flush-mount, traffic-rated well vault.

As-built well details are provided in the soil boring logs in Appendix 1.

The wells were developed by surging and over-pumping to remove fines accumulated around the well during installation. The wells were developed until the water was visually clear and free of silt and fine particles. A total of 36 gallons of water was removed from KBMW-11 with a final turbidity measurement of 39 nephelometric turbidity units (NTUs), and a total of 38 gallons of water was removed from KBMW-12 with a final turbidity measurement of 58 NTUs. The wells were allowed to stabilize at least 72-hours prior to sampling.

Soil cuttings and development water were placed into Department of Transportation (DOT) approved 55-gallon drums, labeled, and stored on-site, pending analytical results.

During well installation two soil samples were retained for laboratory analysis from each of the two well installation borings. Soil samples were field screened using a photoionization detector (PID) to assess the potential presence of volatile compounds. Soil samples were collected at 9 and 14 feet bgs in KBMW-11 and from 10 and 15 feet bgs in KBMW-12 and were submitted to Libby Environmental, Inc., for analysis of GRPH using NWTPH-Gx method, and, VOCs (including benzene, toluene, ethylbenzene, and xylene [BTEX]) using EPA Method 8260.

The vertical elevation and horizontal location of the newly installed wells was surveyed by Duane Hartman and Associates, Inc. (DHA). Vertical elevation was collected from the top of the well monument and from the measuring point located on the top of the well casing. Survey data were referenced to North American Vertical Datum 1988 (NAVD88) elevations and Washington State Plane, south zone coordinates (NAD83/91).

These wells will also be used as a component of the performance ground water monitoring network to assess the effectiveness of both the IAs and the ultimate remedial alternative implemented after

approval of the FS and the CAP. After the completion of the IA activities, the wells were sampled as described in Section 3.4.

3.1.2 Data Gap 2

EPI reviewed the indoor air sample data and additional analytical data from the soil samples collected during the IA drilling and field activities. The review included calculating the site-specific cleanup level for GRPH for indoor air using *MTCATPH11.1* and comparing the results with the relative toxicity to that of the known COCs for air (e.g., PCE, benzene, ethylbenzene, etc.). A remedial Indicator Hazardous Substance (IHS) is then selected from the data reviewed and will be used as a measure of the performance of remedial actions to protect indoor air quality to the appropriate degree.

3.1.3 Data Gap 3

EPI installed four additional ground water monitoring wells in the northwest corner of the Site. Two of these wells (locations shown as WCMW-7 and WCMW-8 on Figure 3) were located on the west side of South First Street. The third well (location shown as WCMW-9 on Figure 3) was installed in the parking lane in the northwest corner of South First Street and West Pioneer Avenue. The fourth well (location shown as WCMW-10 on Figure 3) was installed in West Pioneer Avenue in front of the Whitney's Chevrolet Auto Body Repair Shop to determine the northern extent of the petroleum hydrocarbon impacts and to determine whether the Whitney's Chevrolet Auto Body Repair Shop may be a contributing source to the ground water impacts.

All well drilling and installation was performed using standard hollow-stem auger (HSA) drilling and well installation techniques. The wells were constructed of 2-inch-diameter, flush-threaded, schedule 40 PVC casing and screen in conformance with WAC 173-160-430. The screened interval was from 11 to 26 feet bgs to account for the anticipated maximum annual fluctuation in water table elevation. Well screen assemblies consisted of 0.010-inch (*i.e.*, 10-slot), flush-threaded, machine-slotted Schedule 40 PVC screen with a threaded end cap.

The sand filter pack consisted of 20-40 Colorado silica sand placed in the annulus of the boring from the bottom at 26 feet to approximately 2 feet above the screen (*i.e.*, 9 feet below grade). Hydrated bentonite chips were placed in the annular space from the top of the sand pack to within 2 feet of ground surface. The well was then completed within a flush-mount, traffic-rated well vault.

As-built well details are provided in the soil boring logs in Appendix 1.

The vertical elevation and horizontal location of the newly installed wells was surveyed by DHA. Vertical elevation was collected from the top of the well monument and from the measuring point located on the top of the well casing. Survey data were referenced to North American Vertical Datum 1988 (NAVD88) elevations and Washington State Plane south zone coordinates (NAD83/91).

During well installation two soil samples were retained for laboratory analysis from each of the four well installation borings. Soil samples were field screened using a photoionization detector (PID) to assess

the potential presence of volatile compounds. Soil samples were retained from 9 and 24 feet bgs in each of the borings and were submitted to Libby Environmental, Inc., for analysis of GRPH using NWTPH-Gx method, and, VOCs using EPA Method 8260.

The newly installed wells were developed as described in Section 6.1. The wells were allowed to stabilize at least 72-hours prior to sampling.

Soil cuttings and development water were placed into DOT approved 55-gallon drums, labeled, and stored on-site, pending analytical results.

These wells will also be used as a component of the performance ground water monitoring network to assess the effectiveness of both the IAs and the ultimate remedial alternative implemented after approval of the FS and the CAP.

3.1.4 Data Gap 4

Ground water samples collected from the newly installed wells WCMW-7 through WCMW-10 were analyzed for PCE using EPA Method 8260. The locations of these wells provided data points that were used in determining the PCE isoconcentration contours described in Section 4.6.

3.1.5 Data Gap 5

EPI reviewed the soil gas data obtained during the RI activities as well as additional sampling data collected during the RI activities to determine if indoor air sampling at the Post Office located on the west side of South First Street was warranted. EPI reviewed the data using the J&E Model based on site-specific conditions and a non-residential exposure assumption.

3.1.6 Data Gap 6

EPI reviewed historical data, conducted interviews with personnel familiar with the Whitney's Chevrolet Auto Body Repair Shop building, and conducted a site reconnaissance to determine if USTs or sumps are located at the building.

The Whitney's Chevrolet Auto Body Repair Shop building was demolished approximately one month prior to the start of the IA activities. EPI was not notified of the demolition and was unable to visually inspect the building prior to demolition, but a site reconnaissance was conducted that included visual inspection of the gravel surface below the former building and the walls of surrounding buildings.

Based on the information obtained during the historical research, EPI conducted a magnetic survey that consisted of using a hand-held magnetic wand that can detect large metal objects down to a depth of approximately 5 to 7 feet bgs. This survey found three magnetic anomalies that were inside the footprint of the former building and also along the perimeter sidewalks. A more precise magnetic survey using a magnetometer (MAG) and ground penetrating radar (GPR) was then conducted in an effort to more precisely identify the metal anomalies.

3.2 Interim Actions

The selected remedial method for the work areas included removal of the USTs and excavation of contaminated soil with off-site disposal. Implementation of this remedial strategy included the following elements:

- Preparation of a SEPA checklist for a 30-day public review and comment period;
- Relocation of a utility pole adjacent to UST-3 by Gray's Harbor Public Utilities District;
- Submittal of a 30-Notice form to Ecology for closure of the USTs;
- Obtain a permit from the City of Montesano for closure of South First Street and excavating in the right-of-way and street;
- Installation of shoring to protect buildings and utilities;
- Removal and disposal of USTs and concrete fill;
- Excavation and off-site disposal of soil containing COCs at concentrations above the selected cleanup levels;
- Collection of performance and confirmation samples and analysis to determine if cleanup levels were attained; collection of 10 percent duplicate samples for quality assurance/quality control;
- Removal of subsurface hoist attached to UST-5 as part of the UST removal activities in Work Area 3;
- Installation of an infiltration gallery in Work Area 2, Work Area 3, and Work Area 4 to support a potential future contingent ground water remedy;
- Site restoration including replacement of asphalt, concrete sidewalks and driveways in the right-of-way of Work Area 1, and replacement of concrete surfaces in Work Area 2, Work Area 3, and Work Area 4;
- Replacement of ground water monitoring well MW-1 in Work Area 1 with MW-1R (MW-1 was over excavated and removed during the remedial excavation); and
- Report preparation and documentation of the findings of the IAs.

3.3 Permitting

As part of the requirements for conducting the IAs, a SEPA checklist was prepared and submitted to Ecology. Ecology reviewed the checklist and issued a SEPA Determination of Non-Significance letter. The SEPA checklist was included with the IAWP as part of the package that was prepared for a 30-day public comment period. No public comments were received.

An UST 30-day Notice form was completed and submitted to Ecology for review. This form is required for the removal of the UST even though five of the six USTs had been previously closed in-place.

EPI obtained a Street Opening Permit from the City of Montesano for the excavation activities within South First Street and the sidewalk right-of-way. The permit included site maps and a street closure

plan. EPI also obtained a Street Opening Permit for the installation of the ground water monitoring wells in South First Street and West Pioneer Avenue.

EPI obtained a contained-out determination from Ecology for the soils that contained trace concentrations of PCE (concentrations between laboratory detection limits and 0.05 mg/kg). A copy of Ecology's determination letter is provided in Appendix 2.

While no permits were required for worker health and safety issues, the on-site activities involving the handling of contaminated soil and ground water complied with the provisions of the Washington Industrial Safety and Health Act (WISHA) and the Code of Federal Regulations (CFR) subpart 1910.120 that governs Hazardous Waste Operations and Emergency Response (HAZWOPER). Occupational exposures by on-site workers to petroleum hydrocarbon vapors were monitored as a component of on-site Health and Safety monitoring.

3.4 Ground Water Monitoring

A total of 6 new and 22 existing ground water monitoring wells were sampled. Prior to sampling, a product/water interface probe was utilized to measure the thickness of light non-aqueous phase liquid (LNAPL; if present) and the depth to water. If LNAPL was encountered at a well, the depth to the top and bottom of the LNAPL was measured to establish an LNAPL thickness. No wells with LNAPL were sampled for dissolved-phase constituents. The depth to water was measured relative to the northernmost point on the well casing. This measurement was subtracted from the surveyed elevation to establish a piezometric elevation.

After collection of water level data, each well where LNAPL was not encountered was either purged of three wetted casing volumes or purged until field parameters stabilized to within 10 percent. Purging was performed using a peristaltic pump and dedicated tubing. Measurements of pH, temperature, and conductivity were recorded during the purging process and prior to sample collection.

During sample collection, the flow rate of the peristaltic pump was reduced to 100 milliliters/minute and samples were pumped directly from the pump discharge tubing into laboratory-supplied containers appropriate for the intended analysis. Samples were labeled, stored in a cooler with ice, and transported under standard chain-of-custody procedures to Libby Environmental, Inc., for analysis of the COCs, including GRPH using NWTPH-Gx method, and VOCs (including BTEX) using EPA Method 8260. Three duplicate ground water samples were collected and analyzed as part of the quality assurance/quality control program.

4.0 DATA GAPS INVESTIGATIONS FINDINGS

The following sections describe the findings of each of the six data gaps.

4.1 Data Gap 1

Data Gap 1 involves assessing the extent to which the downgradient extent of the dissolved-phase petroleum hydrocarbon plume originating on the Whitney Chevrolet Site may be commingled with the upgradient extent of the hydrocarbon plume originating on the Tony's Short Stop Site. As part of the characterization of the maximum downgradient extent of the Whitney plume, two ground water monitoring wells, KBMW-11 and KBMW-12, were installed on the Tony's Short Stop property (Figure 2). The wells were installed as described in Section 3.1.1.

Two soil samples (four total) were collected during the installation of the monitoring wells. The samples with the highest PID readings, or at locations where impacts were considered most likely, were collected for laboratory analysis. A summary of the soil sample analytical results is presented in Table 3. Copies of the laboratory reports are provided in Appendix 3.

No COCs were detected in the two samples collected at well KBMW-11 at concentrations exceeding method detection limits.

COCs were detected in the two soil samples collected at KBMW-12. Well KBMW-12 is located immediately adjacent to a previous remedial excavation on the Tony's Short Stop Site. The well is within 10 feet of the terminal northern limit of the remedial excavation and immediately east of the current fuel dispenser islands. The samples from the KBMW-12 well boring were collected at depths of 10 and 15 feet below grade and contained detectable concentrations of GRPH, benzene, toluene, ethylbenzene and total xylenes.

GRPH were detected at concentrations of 4,220 milligrams/kilogram (mg/kg) and 3,400 mg/kg at 10 and 15 feet bgs, respectively. The MTCA Method A Soil CUL for GRPH is 30 mg/kg when benzene is present.

Benzene was detected at concentrations of 8.58 mg/kg and 1.75 mg/kg at 10 and 15 feet bgs, respectively. The MTCA Method A CUL for benzene is 0.03 mg/kg.

Toluene was detected at concentrations of 488 mg/kg and 13.6 mg/kg at 10 and 15 feet bgs, respectively. The MTCA Method A CUL for toluene is 7 mg/kg.

Ethylbenzene was detected at concentrations of 282 mg/kg and 96.8 mg/kg at 10 and 15 feet bgs, respectively. The MTCA Method A Soil CUL is 6 mg/kg.

Total xylenes were detected at concentrations of 1,320 mg/kg and 331 mg/kg at 10 and 15 feet bgs, respectively. The MTCA Method A CUL for toluene is 7 mg/kg.

Impacts to soils in samples collected at KBMW-12 are most likely attributable to residual and inaccessible impacts at the limits of the Tony Short Stop remedial excavation, and are not associated with any release from the Whitney Property. Analytical results for remedial sidewall confirmation

samples previously taken during the Tony's Short Stop Site interim action are not currently available to EPI.

Ground water samples were collected from each of the newly installed monitoring wells as a component of the Site-wide ground water monitoring program. The results of the ground water monitoring are discussed in Section 6.0 and are incorporated into the Conceptual Site Model (CSM) and conclusions of this report.

4.2 Data Gap 2

Data Gap 2 involved addressing Ecology's directive to evaluate GRPH as a COC in air using *MTCATPH11.1* as a component of the data gaps investigation. EPI previously evaluated all other volatile compounds detected at the site as potential COCs in air during the previously completed RI.

During reinstallation of MW-1 (see Section 5.1.4) and field work for Data Gap 3 (see Section 4.3), EPI collected two samples of contaminated soil encountered during advancement of soil borings MW-1R and WCMW-9 (WC-MW-1R:16.5 and WC-MW-8:9, respectively). Each sample was analyzed for volatile petroleum hydrocarbons (VPH) using the Northwest Volatile Petroleum Hydrocarbons (NWVPH) analytical methods. The analytical results are summarized in Table 5. Copies of the original laboratory reports are contained in Appendix 3.

The results of the VPH analysis for each soil sample were evaluated using Ecology's *MTCATPH11.1* three-phase model to determine a site-specific soil concentration that is predicted to be protective of indoor air quality. Using this model, a GRPH concentration of 0.05 mg/kg was calculated for sample WC-MW-1R:16.5 and 0.06 mg/kg for sample WC-MW-8:9. Both of the calculated concentrations are below the practical quantitation limit (PQL) of the NWTPH-Gx analytical method of 10 mg/kg.

For the following reasons, the *MTCATPH11.1* model is not an appropriate evaluation tool for the Site:

1. The *MTCATPH11.1* model for calculating a GRPH soil concentration protective of air quality is overly conservative for potential exposures at the Property. This model is only available for MTCA Method B, which is based on an unrestricted land use scenario (i.e., residential). Such an exposure scenario includes infant exposures and exposure duration of 1.0 (i.e., 24 hours/day, 7 days/week, 365 days/year). Such exposures are unrealistic for the subject property use and the surrounding land use, which is non-residential. Moreover, the site use includes occupational exposures (i.e., automotive repair) that are likely significantly higher than would be experienced through any form of vapor migration. In conversations with Mr. Hun Seak Park of Ecology, it was indicated that the *MTCATPH11.1* model does not include inputs for considering a commercial or industrial exposure scenario or adjusting the reasonable maximum exposure (RME) as allowed under MTCA. Since the Property usage is clearly commercial, using a model that is limited to residential scenarios is not appropriate.
2. The *MTCATPH11.1* model provides a GRPH concentration protective of indoor air quality that is similar to that provided for benzene during similar evaluations and is very near to the MTCA

Method A Soil CUL for benzene of 0.03 mg/kg. Whereas benzene is a known human carcinogen and may warrant such a low concentration, there are no other known or documented carcinogens within gasoline other than benzene. A value of 0.06 mg/kg for protection of indoor air by GRPH as provided by the MTCATPH11.1 appears to be unrealistic and overly conservative.

3. Very little soil contamination remains at the Site. The IAs have served to remove the vast majority of GRPH-impacted soil and only minor amounts of such impacts remain. There is not a large or widespread area of GRPH impacted soil beneath the Site that can act as a source of GRPH vapors to indoor air. Predictive modeling of vapor intrusion assumes a source of impacted soil throughout the area beneath the potential receptor. Predictive vapor intrusion modeling does not account for the effects of lateral dispersion or intermittent source strength beneath the potential receptor.
4. According to Ecology's October 2009 DRAFT *Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action* (Draft VI Guidance), vapor attenuation factors (VAFs) used in the MTCATPH11.1 model assume a 'worse case condition' (Publication no. 09-09-047, page 3-6). Worse case conditions are likely overly conservative and will drive protective concentrations lower than are necessary to protect actual exposures.

Based on the rationale and reasons stated above, the MTCATPH11.1 model does not appear to be an appropriate tool to evaluate or predict actual risk to current, and potential future indoor air exposures at the Site from residual GRPH impacts to soil. As indicated in the Draft RI report actual Site risks based on site-specific exposures and appropriate cleanup levels for all media will be evaluated during the Feasibility Study process.

4.3 Data Gap 3

Data Gap 3 involved evaluating the potential upgradient extent of the dissolved-phase hydrocarbon plume to the west and northwest of the Whitney Chevrolet facility. As part of the Site characterization, three additional ground water monitoring wells, WCMW-7, WCMW-8, and WCMW-9, were installed in South First Street and West Pioneer Avenue (Figure 2). An additional ground water monitoring well, WCMW-10, was installed on the north side of West Pioneer Avenue to determine if there were any impacts from the former Whitney's Chevrolet Auto Body Repair Shop building. These locations are hydraulically upgradient of the Whitney Chevrolet facility and upgradient of the USTs removed during the IAs.

Two soil samples (eight total) were collected during the installation of each monitoring well. The samples with the highest PID readings, or at locations where impacts were considered most likely, were collected and analyzed for COCs. The sampling intervals were the same for all borings, with samples from 9 and 14 feet bgs retained for laboratory analysis. A summary of the soil sample analytical results is presented in Table 3. Copies of the laboratory reports are provided in Appendix 3.

Only GRPH and benzene were detected at a concentration exceeding a MTCA Method A CUL and only those samples from the 9-foot bgs sample interval contained concentrations exceeding a CUL. No compounds were detected in samples from WCMW-9 at a concentration exceeding a CUL.

GRPH were detected at concentrations ranging from 11 mg/kg to 300 mg/kg. Only those concentrations from the 9 foot bgs sample interval exceeded the MTCA Method A CUL of 30 mg/kg when benzene is present.

Benzene was detected at concentrations of 0.052 mg/kg and 0.059 mg/kg in the 9-foot samples from WCMW-8 and WCMW-10, respectively. These compounds only slightly exceed the MTCA Method A CUL of 0.03 mg/kg. Benzene was not detected in any other samples at a concentration exceeding the method detection limit of 0.02 mg/kg.

No other compounds were detected in soil samples from WCMW-7 through WCMW-10 at a concentration exceeding a MTCA Method A CUL.

Monitoring well WCMW-9 is the most upgradient of the wells installed for Data Gap 3. Neither of the soil samples from this well boring contained any analytes at a concentration exceeding a MTCA Method A CUL.

4.4 Data Gap 4

Data Gap 4 involves the identification of potential off-property and up-gradient contributions of PCE to the on-Site dissolved ground water impacts. The four wells installed for Data Gap 3 were sampled for PCE as part of the site-wide ground water sampling event. The analytical results for these samples are summarized in Table 4.

PCE was detected in samples from wells WCMW-7, WCMW-8, and WCMW-9 at concentrations ranging from 1.3 micrograms/Liter ($\mu\text{g/L}$) to 2.1 $\mu\text{g/L}$. None of the detected concentrations exceeded the MTCA Method A ground water CUL of 5.0 $\mu\text{g/L}$.

The maximum observed concentration in these upgradient wells was about 10 times less than maximum concentration for an on-Property well (i.e., WCMW-4; 21.1 $\mu\text{g/L}$) collected during the same sampling event. The current data indicate that there is not a significant off-property contribution of PCE to the Whitney Chevrolet Site. Future monitoring events from these wells will confirm this finding.

This finding also indicates that vapor intrusion of PCE to off-property structures is not a significant concern. Off-property PCE concentrations comply with MTCA Method A ground water CULs and such concentrations will decrease with distance from the property.

The ground water analytical results for the samples collected from these wells are discussed further as part of the overall ground water plume in Section 6.0, Ground Water Monitoring Findings.

4.5 Data Gap 5

Data Gap 5 involves an evaluation of potential vapor intrusion into the off-Site and hydraulically upgradient Post Office Building located west of the Whitney Chevrolet Site. This evaluation was to be performed using existing soil gas data collecting during the RI. Soil gas samples had previously been collected during the RI from a depth of 8 feet from three locations near the Post Office. These samples had been analyzed for VOCs. Using these prior analytical results the J&E Model was used to calculate the incremental increased risk based on vapor intrusion.

The MTCA Method B Indoor Air CUL was used as a screening level. Compounds that were detected in soil gas at concentrations above the MTCA Method B Indoor Air were evaluated for potential vapor intrusion risks. The compounds that exceeded indoor air CULs in soil gas were benzene, ethylbenzene, total xylenes (as ortho-xylene), naphthalene, PCE, tert-butyl benzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. In addition to the compound concentration and sample depth the following input parameters were used in the J&E model:

- Soil type – loam
- Soil temperature – 10°C (default)
- Average exposure times (default)
 - Carcinogens – 70 years
 - Non-carcinogens – 30 years
- Exposure duration – 30 years (default)
- Exposure frequency – 235 days per year (assumes a 5-day work week, 10 days of vacation, and 15 holidays per year)

The results of the J&E modeling are summarized in Table 6. Predicted increased cancer risks ranged from 3.9×10^{-9} to 3.4×10^{-8} . These values are substantially less than the 1.0×10^{-6} excess cancer risk allowed for a single compound under MTCA. Predicted non-carcinogenic Hazard Quotients (HQs) ranged from 5×10^{-7} to 1.6×10^{-3} . An HQ of 1 is allowed under MTCA.

These findings indicate that Site conditions do not pose an unacceptable threat of vapor intrusion to the Post Office Building.

Table 6
Summary of Johnson and Ettinger Modeling Results*

Sample Location	Feet from Post Office	Compound	Incremental Risk	
			Carcinogen	Non-carcinogen
DPT-46	60	Benzene	7.0E-09	7.0E-05
		Ethylbenzene	NA	5.0E-07
		Xylenes, Total	NA	8.5E-05
		Naphthalene	NA	3.3E-04
		Tetrachloroethene	3.4E-08	2.2E-05
		Tert-butylbenzene	NA	4.7E-06
		1,2,4-Trimethylbenzene	NA	2.8E-04
		1,3,5-Trimethylbenzene	NA	1.6E-04
DPT-47	28	Benzene	3.6E-09	3.6E-05
		Naphthalene	NA	1.5E-04
		Tert-butylbenzene	NA	5.9E-06
		1,3,5-Trimethylbenzene	NA	4.6E-05
DPT-48	24	Benzene	1.8E-08	1.8E-04
		Ethylbenzene	NA	3.9E-05
		Xylenes, Total	NA	1.6E-03
		Tetrachloroethene	6.6E-09	4.4E-06
		Naphthalene	NA	1.5E-04
		1,2,4-Trimethylbenzene	NA	1.9E-04
		1,3,5-Trimethylbenzene	NA	1.9E-04

Notes:

* Model downloaded from Ecology website on October 28, 2011.

NA - Not analyzed; compound is not a carcinogen.

4.6 Data Gap 6

Data Gap 6 involved the potential presence of previously undiscovered UST(s) and associated soil and ground water contamination on the Whitney's Chevrolet Auto Body Repair Shop located north of West Pioneer Avenue. At the time of the work documented herein the body shop had been demolished and only a bare lot remained at that location. EPI initially visually inspected the gravel surface of the former location of the body shop. No petroleum staining or piping that appeared to be related to USTs was observed. Similarly, no obvious sumps or former floor drain locations were observed. No apparent fill or vent pipes were observed.

EPI interviewed several Whitney Chevrolet employees that worked at the building prior to demolition. They stated they had no knowledge of any USTs, sumps, or use of hazardous materials or solvents at the building. EPI also interviewed the property owner, Mr. Stormy Glick, who stated that he has been associated with the property since the 1970s and was unaware of any USTs at this location.

The historical research, primarily the Sanborn Insurance map for 1926, indicated that a "gasoline and oil" facility was located at the northeast corner of West Pioneer Avenue and South First Street. Based on this information, EPI conducted an initial scan for metallic anomalies using a hand-held type metal detector. The survey identified three potential anomalies. The initial survey was then followed up with a more thorough and detailed geophysical survey by Northwest Geophysical Associates, Inc. (NGA) of Corvallis, Oregon.

NGA initially performed an electromagnetic/magnetometer survey to confirm the prior findings. The EM/MAG survey confirmed three metallic anomalies. The first anomaly was a steel water pipe, the second anomaly was scattered metal debris, and the third anomaly was a confirmed UST (labeled UST-7). A copy of NGA's report is provided in Appendix 5.

The property owner, Mr. Stormy Glick, used a small excavator to expose the UST. The UST was of riveted steel construction and appeared to be approximately 350 gallons in capacity. No liquids were observed in the UST. A PID was used to monitor for vapors inside the UST, and no vapors were detected. There were no noticeable petroleum odors, visible petroleum staining, or elevated PID readings in the soils surrounding the UST. No UST product piping or vent piping was observed. Upon inspection and assessment, Mr. Glick used the excavator to remove the UST.

Mr. Eric Caddey of EPI, a Washington State Certified UST Assessor, conducted the UST closure assessment activities. A total of five soil samples were collected following Ecology's UST assessment sampling procedures. One soil sample was collected from below the UST (UST-BOT@7), two soil samples were collected from the sidewalls (UST-NSW@5 and UST-SSW@5), and three soil samples were collected from the excavated soil stockpile (UST-Stock 1, UST-Stock 2, and UST-Stock 3). Soil samples were monitored with a PID and no elevated readings were observed. The UST and soil sample locations are shown on Figure 4.

Soil samples from the UST removal excavation were collected using the excavator bucket. Soil samples were collected after removing surface slough from the excavator bucket to access the relatively undisturbed and non-disaggregated soils beneath. Stockpile soil samples were discreet soil samples collected from below the surface of the pile using a stainless steel spoon or disposable sampling trowel.

The portion of the sample for VOC analysis was collected using EPA Method 5035 with sample kits supplied by the laboratory. The remainder of the sample was placed into laboratory-supplied jars. Sample containers were then labeled, placed into a cooler with ice, and transported to Libby Environmental, Inc., under standard chain-of-custody protocols for the following analysis:

- GRPH, DRPH, and ORPH using Ecology Method NWTPH-HCID with NWTPH-Dx follow-up;
- VOCs BTEX, methyl tertiary butyl ether (MTBE), 1,2-Dichloroethane (EDC), dibromoethane (EDB), and PCE using EPA Method 8260;
- Total Lead using EPA Method 7421; and
- Carcinogenic PAHs using EPA Method 8270 SIM.

DRPH was detected in two of the five samples at concentrations of 102 mg/kg and 134 mg/kg. The MTCA Method A Soil CUL for DRPH is 2,000 mg/kg.

No other compounds were detected in any of the soil samples collected near UST-7. A summary of the analytical results is provided in Table 7; copies of the laboratory analytical data are provided in Appendix 6.

These results indicate that no other USTs were present at the Whitney Chevrolet Auto Body Shop and that UST-7 was not a contributor to soil and ground water contamination at the Site.

4.7 Disposal of Investigation-Derived Waste (IDW)

A total of 25, 55-gallon drums of investigative-derived waste (IDW) including drill cuttings, development, decontamination, and purge water were generated during the interim actions and Data Gaps investigation field activities. The drums were profiled for disposal using the analytical data from the soil samples collected from the borings and the ground water samples collected during the sampling event. One 55-gallon drum with PCE-impacted soil and twelve 55-gallon drums with PCE-impacted water were disposed off-site as hazardous waste. Ten 55-gallon drums of petroleum-contaminated soil (PCS) were disposed of off-site as non-hazardous PCS. Two 55-gallon drums of non-contaminated water were disposed of on-site to the sanitary sewer for the Whitney Chevrolet facility. Transportation and disposal documentation are provided in Appendix 7.

5.0 INTERIM ACTIONS FINDINGS

The following sections describe the findings of the activities conducted as part of the Interim Actions. The Interim Actions were performed in accordance with the IAWP and as briefly described above in Section 3.2. Any substantial deviations from the proposed activities in the IAWP are described below.

5.1 Work Area 1 – USTs 1, 2, and 3

As indicated in Figures 3 and 5, Work Area 1 is bounded to the north by West Pioneer Avenue and the sidewalk crossing for South First Street, to the east by the Whitney's Chevrolet building, to the south by the City of Montesano water line connected to Whitney's Chevrolet, and to the west by the City of Montesano water main located in South First Avenue, approximately 5 feet east of the western curb for South First Street.

Work Area 1 contained three USTs located in the sidewalk and in South First Street on the west side of the Property. The three USTs were previously closed-in-place in 1996. The product piping and vent lines were removed at that time.

5.1.1 Excavating and Soil Handling

The goal of the UST removal and remedial excavation activities was to remove the USTs and excavate, handle, and dispose of all reasonably accessible soil with concentrations of COCs above the MTCA Method A Soil CULs.

A Street Use Permit and a Right-of-Way permit were acquired from the City of Montesano to allow the work to be performed within the South First Street right-of-way. Prior to the start of the excavation activities, Washington One-Call public utility locating service was contacted for locating any buried utilities. The City of Montesano Public Works Director marked the location of a city water line on the west side of South First Street, and a water line crossing South First Street to the south. EPI was instructed by the City of Montesano Public Works Director to retain a minimum 10-foot set-back between the top edge of the excavation and the marked location of the water line. EPI also contacted Grays Harbor Public Utilities to relocate the power pole located adjacent to UST-3. The Public Utilities District (PUD) relocated the pole approximately 30 feet to the south, outside of the proposed excavation area.

The UST decommissioning and soil excavation activities were performed by Glacier Environmental Services, Inc. (Glacier), using a track-mounted excavator and a rubber-tired, front-end loader. South First Street was closed to all vehicular traffic and temporary fencing was placed around the entire work area. The asphalt street and concrete sidewalks and driveways were saw-cut along the limits of the initial excavation. The concrete and asphalt were removed and disposed of off-site as non-regulated material.

After exposing the top of each UST, Glacier checked the inside of the UST with an explosimeter and, when deemed safe, the top of the UST was cut lengthwise to expose the concrete fill. The concrete fill was then broken into pieces with an excavator equipped with a hydraulic hammer and then removed. The concrete was temporarily stockpiled on plastic and covered for future disposal with the PCS from the excavation.

Each UST was visually inspected for holes and evidence of leaks and/or overfills. The USTs were then measured to determine their capacity and then cut into pieces and transported to HD Metal Recycling for recycling, located one block south of the Site on South First Street. The estimated capacities of UST-1, UST-2 and UST-3 were approximately 12,000-gallons, 5,000-gallons, and 5,500-gallons, respectively based upon their dimensions

UST-1 had evidence of apparent overfilling as indicated by a sheen on the top and sides of the UST, around the fill port, and in the stained soils directly alongside the UST. No visible deterioration or holes were observed in the UST. No evidence of holes or overfilling was observed at UST-2 or UST-3,

although apparent petroleum staining of the soils was observed beneath each of the USTs after removal.

After opening UST-1 and removing a portion of the concrete, approximately 200 gallons of water with a sheen was observed in the bottom of the UST. A sample of the water was collected and submitted to the on-site laboratory and analyzed for GRPH using Ecology Method NWRPH-Gx, and BTEX using EPA Method 8260. The analytical results indicated a GRPH concentration of 536,000 µg/L and a BTEX concentration of 19,500 µg/L, 90,900 µg/L, 11,600 µg/L, and 67,800 µg/L, respectively. Obviously impacted soils from around the UST were placed into the UST to absorb the water, and then the soils were transported as PCS for off-site disposal as described in Section 5.5.

The maximum depth of the excavation was determined by the depth to ground water and limited to about 16 feet bgs. Where possible, the lateral limits of the remedial excavation were based on attainment of MTCA Method A Soil CULs. The presence of improvements such as building and subsurface utilities limited excavation of impacted soils in some areas. The remedial excavation was expanded as long as the analytical results for sidewall samples indicated COCs exceeded cleanup levels or until a physical barrier was reached. Due to such access limitations impacted soils were left in place along the west and south due to the City of Montesano water lines and to the east due to the foundation for the Whitney's Chevrolet building.

The final areal extent of the excavation for the three tanks in Work Area 1 was about 2,840 square feet to a depth of 16 feet bgs for an approximate in-situ volume of about 1,680 cubic yards. The excavated soils were segregated into the following five categories, depending on engineering properties and laboratory analytical results:

1. Non-impacted overburden soils (COC concentrations less than MTCA Method A Soil Cleanup Levels for Unrestricted Land Use) that were designated by the on-site engineer as geotechnically suitable for use as backfill were placed into a stockpile for later use;
2. Non-impacted overburden soils that were designated by the on-site engineer as non-suitable as backfill (*i.e.*, high clay, water, or organic content, miscellaneous debris, etc.) were placed into a separate pile for off-site disposal as non-regulated material;
3. Impacted soils that were considered as PCS were excavated and placed into piles for off-site disposal;
4. PCS soils impacted with PCE at concentrations up to 0.05 mg/kg that were categorized as "contained-out" were excavated and transferred directly to the Subtitle D Landfill in Roosevelt, Washington. The "contained out" determination by Ecology is presented in Appendix 16;
5. Excavated soils containing PCE at concentrations greater than 0.05 mg/kg were handled as hazardous waste and were placed into a sealed roll-off bin for off-site disposal at Chemical Waste Management NW's (Waste Management) Subtitle C facility located in Arlington, Oregon.

Impacted soil disposal is described further in Section 5.5.

5.1.2 Performance Sampling

Performance sampling during excavation was used to guide the remedial excavation and to assess and document attainment of the desired cleanup standards [WAC 173-340-410(b)] at the terminal limits of the remedial excavation. During the IA, performance sampling consisted of collecting and analyzing soil samples from the excavation sidewalls and bottom in order to determine if compliance with the cleanup levels had been attained.

5.1.2.1 Sampling Methodology

Soil samples from the excavation sidewalls and bottoms were field-screened using a PID and sheen testing. PID readings were measured by placing a soil sample into a sealed plastic bag, disaggregating the soil, and allowing the sample to sit undisturbed for about five minutes. The PID sampling tube was then inserted into the bag to measure the presence of volatile vapors within the bag headspace. Sheen testing was occasionally performed to screen for the presence of separate-phase hydrocarbons within the soil matrix. A small sample of the soil was disaggregated and placed into a cup with distilled water and visually inspected for a sheen.

As the excavation activities progressed and field indications of relative impacts lessened, soil samples were collected and submitted for laboratory analysis to establish compliance with cleanup levels and disposal requirements. Both on-site and fixed-base laboratories operated by Libby Environmental, Inc., were utilized for sample analysis. Samples that were used for characterization of the soils for disposal purposes and were not considered as performance samples were labeled with the "EX" identifier, the samples collected to determine if the cleanup goals were attained were considered performance samples, and the samples collected from the final terminal limits were considered as final performance soil samples.

If analytical results indicated that soil samples contained detectable PCE concentrations between laboratory detection limits and 0.05 mg/kg, then the soils were disposed of as contained-out soils. At least an additional 10 feet of soils were then laterally excavated and disposed of as contained-out soils until a soil sample with results below laboratory detection limits was attained, or until the terminal limits of the excavation was reached. If a soil sample contained PCE concentrations greater than 0.05 mg/kg, then the soil was considered as hazardous waste for disposal purposes and was placed into a covered roll-off bin. Soil surrounding the original sample within 5 to 8 feet was then excavated and resampled for PCE. A minimal amount of PCE impacted (hazardous) soil was discovered at two locations within the excavation as shown in red on Figure 8.

A total of 10 characterization soil samples, 16 performance soil samples, and 48 final performance soils samples were collected from the sidewalls and bottom of the Work Area 1 excavation. The locations of all characterization and performance samples are indicated on Figure 5.

The final remedial excavation sidewalls were approximately 16 feet bgs. Performance sidewall samples were collected at a frequency of about one for every 10 linear feet of sidewall and within the depth interval where contaminated soils appeared to have been present. This depth interval was between 9 and 16 feet below grade. In some cases, particularly on the sidewalls against physical barriers, multiple samples were collected vertically in order to clearly identify the depth interval of potentially remaining impacted soils. Performance bottom samples were collected for each 200 square feet of excavation bottom. A total of ten soil samples were collected from stockpiled overburden soils that were determined to be un-impacted soils.

All performance and stockpile soil samples were submitted for the following analyses:

- GRPH using the NWTPH-Gx method; and
- BTEX by using EPA Method 8260.

Selected performance and stockpile soil samples were also submitted for the following analysis:

- PCE using EPA Method 8260;
- ORPH and DRPH using NWTPH-Dx extended method; and
- Total Lead using EPA Method 7421.

Due to sampling depths and health and safety considerations prohibiting entry into the excavation, samples were collected directly from the excavator bucket. For sampling, the excavator operator was directed to insert the bucket at least 6 inches into the soils at a designated depth and location. Decontaminated stainless steel spoons were used to remove about 6 inches of slough from the soil in the bucket and a sample was then collected from the soil beneath. All soil samples were collected in pre-cleaned, laboratory-supplied glass containers and were field extracted using EPA Method 5035 with laboratory-supplied extraction kits. No composite samples were collected. All sampling equipment was either single-use or was decontaminated prior to use.

5.1.2.2 Analytical Results

Performance soil sample locations and the final remedial excavation limits for Work Area 1 are shown on Figures 6 and 7. A summary of the COC analytical results for the performance samples is provided in Table 8. Copies of the laboratory reports are provided in Appendix 8.

Figure 6 illustrates all 84 characterization and performance soil samples collected from the remedial excavation. Figure 7 illustrates the final performance samples collected from the terminal bottom and sidewalls of the excavation. Figure 8 illustrates the concentrations of PCE for all of the performance soil samples.

The final performance samples collected from the southern, southwestern, and northern ends of the excavation generally show COC concentrations below cleanup levels, indicating that these sidewalls have attained compliance with the selected MTCA Method A Soil Cleanup Levels for Unrestricted Land

Use for all COCs. However, the final performance samples collected from the eastern and western sidewalls indicated that compliance with the selected MTCA Method A Soil CULs had not yet been attained for GRPH and BTEX in all areas.

As discussed above and as illustrated on Figure 5, the remedial excavation extended to within 4 feet of the existing Whitney's Chevrolet building to the east, and to the safety margin allowed by the City of Montesano (10-foot set-back) to the city water main to the west. Additional excavation in these areas was not practicable. Based on the analytical data for the soil samples collected along these walls of the excavation, impacts of GRPH and BTEX with concentrations greater than the MTCA Method A Soil Cleanup Levels for Unrestricted Land Use are still present.

These compounds and their concentrations are listed below:

West Sidewall in South First Street

- GRPH from 103 mg/kg to 1,350 mg/kg;
- Benzene at 0.50 mg/kg at one location; and
- Total Xylenes at 10 mg/kg at one location.

East Sidewall Along Whitney's Chevrolet Building

- GRPH from 250 mg/kg to 2,750 mg/kg;
- Benzene at 0.44 mg/kg at one location;
- Ethylbenzene at 8.5 mg/kg at one location; and
- Total Xylenes from 12.6 mg/kg to 27.2 mg/kg.

These samples are indicative of a horizon of impacted soil that appears to be present from about 10 to 14 feet below grade. Figure 7 illustrates those areas of Work Area 1 where it was not possible to attain compliance with the MTCA Method A CULs.

The final performance soil samples collected from the bottom of the excavation, just above the current ground water level, indicated that the concentrations for GRPH, BTEX, and PCE were sporadically present at concentrations greater than the MTCA Method A Soil CUL.

These compounds and their concentrations are listed below:

- GRPH from 936 mg/kg to 25,000 mg/kg;
- Benzene from 0.05 mg/kg to 0.93 mg/kg;
- Toluene from 8.76 mg/kg to 26.6 mg/kg;
- Ethylbenzene from 8.8 mg/kg to 101 mg/kg;
- Total Xylenes from 10.6 mg/kg to 540 mg/kg; and

- PCE from 0.073 mg/kg to 0.53 mg/kg.

Figure 7 illustrates those areas of Work Area 1 where it was not possible to attain compliance with the MTCA Method A CULs at the bottom of the remedial excavation.

Work Area 1 appears to be the primary source area for the petroleum hydrocarbon plume known to exist in ground water at the Site. GRPH and benzene impacts extended to the top of the water table throughout the work area and residual impacts remain in soil at the top of the water table. Based upon the soil conditions encountered during installation of the replacement well for MW-1 (*i.e.*, MW-1R; see Section 5.1.4) the smear zone impacts near the water table do not extent more than about 4 feet below the water table. The remedial action was intentionally performed during the summer months during times of low water table elevations to allow excavation of smear zone impacts to the maximum extent possible.

5.1.3 Site Restoration

The remedial excavation in Work Area 1 was backfilled with a mixture of unimpacted overburden soil that was approved by the on-site geotechnical engineer for use as backfill. The material was compacted with a roller compacter in 1-foot lifts up to within 4 inches of final surface grade. The compaction of the backfill was periodically checked by Northwest Testing Company (NWTC), and exceeded the required 95% Modified Proctor value designated by the on-site geotechnical engineer. NWTC field compaction testing documentation is provided in Appendix 9.

South First Street was repaved with hot asphalt and concrete sidewalks, driveways, gutters, and curbs were replaced in accordance with the City of Montesano's engineering specifications. Mr. Russ Burke, the City of Montesano Public Works Director, inspected the right-of-way restoration activities at various times during the restoration process and approved the asphalt and concrete restoration. Although requested by EPI, the City of Montesano specifically disallowed the installation of a remediation infiltration gallery in Work Area 1.

5.1.4 Reinstallation of MW-1

Monitoring well MW-1 was removed during the remedial excavation in Work Area 1. This well was reinstalled as MW-1R using standard hollow-stem auger methods after backfilling of Work Area 1 was complete.

A boring was advanced to 26 feet bgs in the location specified on Figure 3. The well was installed in the middle of the excavation through the backfill material to a depth of 16 feet bgs. Two soil samples (MW-1R:16.5 and MW-1R:20) were collected from the natural formation below 16 feet bgs, and submitted to Libby Environmental, Inc., laboratory for the following analysis:

- GRPH using NWTPH-Gx method; and
- BTEX and PCE by EPA Method 8260.

The well was constructed of 2-inch-diameter, flush-threaded, schedule 40 PVC casing and screen in conformance with WAC 173-160-430. The screened interval was from 11 to 26 feet bgs to account for the anticipated maximum annual fluctuation in water table elevation. Well screen assemblies consisted of 0.010-inch (*i.e.*, 10-slot), flush-threaded, machine-slotted Schedule 40 PVC screen with a threaded end cap.

The sand filter pack consisted of 20-40 Colorado silica sand placed in the annulus of the boring from the bottom at 26 feet to approximately 2 feet above the screen (*i.e.*, 9 feet below grade). Hydrated bentonite chips were placed in the annular space from the top of the sand pack to within 2 feet of ground surface. The well was then completed within a flush-mount, traffic rated well vault.

As-built well details are provided in the soil boring log in Appendix 1.

The vertical elevation and horizontal location of the newly installed well were surveyed by DHA. Vertical elevation was collected from the top of the well monument and from the measuring point located on the top of the well casing. Survey data were referenced to North American Vertical Datum 1988 (NAVD88) elevations and Washington State Plane, south zone coordinates (NAD83/91).

The well was developed by surging and over pumping to remove accumulated drilling fines and to set the filter pack. The well was developed until the water was visually clear and free of silt and fine particles. A total of 53 gallons of water was removed from the well and the final turbidity measurement was 32 NTUs. The well was allowed to stabilize at least 72-hours prior to sampling.

During well installation soil samples were collected at 16.5 and 20 feet bgs and submitted for laboratory analysis. These sample depths correspond to undisturbed soils immediately beneath the remedial excavation (16.5 feet bgs) and within the upper 5 feet of the water table (*i.e.*, 20 feet bgs).

GRPH, benzene, and PCE were detected in the sample at 16.5 feet bgs at concentrations exceeding a MTCA Method A Soil CUL but no compounds were detected at a concentration greater than the method detection limit in the sample from 20 feet bgs. GRPH was detected at 344 mg/kg and benzene was detected at 0.93 mg/kg in the 16.5 foot bgs sample. PCE was detected at a concentration of 0.16 mg/kg.

A summary of the soil sample analytical results is presented in Table 3. Copies of the laboratory reports are provided in Appendix 3.

Well MW-1R was sampled as part of the site-wide ground water sampling event. The ground water analytical results for the sample collected from the well is discussed as part of the overall ground water plume in Section 6.0, Ground Water Monitoring Findings.

5.2 Work Area 2 – UST 4

As indicated in Figure 9, Work Area 2 (WA2) is bounded to the north by a block wall containing an elevator for the Wynoochee Lodge, to the east inside storage area of the Whitney's Chevrolet building, to the south by a wall and doorway to the machine shop, to the west by a roll-up garage door and city sidewalk.

Work Area 2 contained one UST located in the concrete ramp leading into the machine shop from South First Street (Figure 9). Visual inspection of the UST indicated riveted steel construction with a capacity of about 2,000 gallons. The UST was reportedly most recently used for storing used motor oil generated from the automotive service activities at the facility. The used oil was reportedly used as a fuel source for the on-site boiler/heater. The historic use of the UST is not known.

The UST was located partially underneath the concrete ramp, partially under the wall separating the ramp and the machine shop, and partially under the sidewalk outside of the building. The UST was reportedly filled with concrete and closed in place by Mr. Glick in 1996. The product piping and vent lines were removed at the time of closure.

5.2.1 Excavating and Soil Handling

The goal of the UST removal and remedial excavation activities in Work Area 2 was to remove the UST and properly excavate, handle, and dispose of soil with concentrations of COCs above the selected MTCA Method A Soil CULs.

Prior to the start of the excavation activities, Washington One-Call public utility locating service was contacted for locating any buried utilities. The City of Montesano Public Works Director marked the location of a city water line crossing South First Street and entering the Whitney's Chevrolet building on the west side of the outside wall.

The UST decommissioning and soil excavation activities were performed by Glacier using a small track-mounted excavator and a rubber-tired, front-end loader. South First Street was already closed to all vehicular traffic for Work Area 1 related activities. Temporary fencing was still in-place on the outside portion of the work area, and caution tape and barricades were installed around the inside limits of the work area. The concrete sidewalk and ramp were saw-cut along the limits of the initial excavation. The concrete was removed and disposed of off-site as non-regulated material.

After exposing the top of the UST, Glacier checked the inside of the UST with an explosimeter for vapors. Mr. Ray Coglas, Professional Engineer for Earth Solutions NW, LLC, was also on-site to observe and provide guidance for removing the UST without damaging the internal or external walls located above and adjacent to the UST. Once the UST was deemed safe to remove, the UST was pulled sideways (north) from underneath the internal wall, and then pulled west out through the doorway into the Work Area 1 excavation. The top of the UST was cut lengthwise and the concrete fill was broken into pieces and removed. The concrete fill was temporarily stockpiled on plastic and covered for future disposal with the PCS from the excavation.

EPI observed numerous holes in the bottom of the UST, with the largest being about ½ -inch in diameter. There was no apparent evidence of overfills, but the soil below the UST was black and appeared stained with petroleum hydrocarbons. The UST was measured and determined to be approximately 2,000 gallons in capacity. The UST was then cut into pieces and transported to HD Metal Recycling for recycling.

The terminal vertical limits of the excavation were determined by the engineer based upon the excavation sidewall slope that could be safely maintained without endangering the building foundation. The final vertical limit for Work Area 2 was 12 feet bgs. The terminal lateral limits were based on physical constraints such as the building walls and water line. The western limit of the Work Area 2 excavation opened up into the southern portion of the Work Area 1 excavation.

The final limits of the excavation included 162 square feet to a depth of 12 feet bgs for an approximate in-situ volume of 72 cubic yards. The excavated soils were segregated into the following two categories, depending on engineering properties and laboratory analytical results:

1. Non-impacted overburden soils (COC concentrations less than MTCA Method A Soil Cleanup Levels for Unrestricted Land Use) that were designated by the on-site engineer as geotechnically suitable for use as backfill were placed into a stockpile for later use; and
2. Impacted soils that were considered as PCS that were excavated and placed into piles for off-site disposal.

5.2.2 Performance Sampling

Performance sampling during excavation was used to guide the remedial excavation and to assess and document attainment of the desired cleanup standards [WAC 173-340-410(b)] at the terminal limits of the remedial excavation. During the IA, performance sampling consisted of collecting and analyzing soil samples from the excavation sidewalls and bottom in order to determine if compliance with the cleanup levels had been attained.

5.2.2.1 Sampling Methodology

During the IA, soil samples from the excavation sidewalls and bottom were field-screened using a PID and sheen testing. These procedures followed the protocols described in Section 5.1.2.1 of this report.

As the excavation activities progressed and field indications of relative impacts lessened, soil samples were collected for submittal to Libby Environmental, Inc., for laboratory analysis to establish compliance with cleanup levels and disposal requirements. Samples that were used for characterization of the soils for disposal purposes and not considered as performance samples were labeled with the "EX" identifier. The samples collected to determine if the cleanup goals were attained were considered performance samples, and the samples collected from the final terminal limits were considered as final performance soil samples.

A total of 2 characterization and 6 final performance soils samples were collected from the sidewalls and bottom of the excavation. The locations of all characterization and performance samples are indicated on Figure 9.

The final remedial excavation sidewalls were about 12 feet bgs. Performance sidewall samples were collected at a frequency of about one for every 10 linear feet of sidewall and within the depth interval where contaminated soils appeared to be present. This depth interval was between 9 and 12 feet below grade. In some cases, particularly on the sidewalls against physical barriers, multiple samples were collected vertically in order to clearly identify the depth interval of potentially remaining impacted soils. Performance bottom samples were collected for each 200 square feet of excavation bottom. Based on the small square footage of the excavation, only one soil sample was collected. Three soil samples were also collected from the stockpiled overburden soils that were considered as "clean".

All performance and stockpile soil samples were submitted for the following analyses:

- GRPH using the NWTPH-Gx method;
- DRPH and ORPH using the NWTPH-Dx extended method; and
- BTEX by using EPA Method 8260.

Selected excavation, performance, and stockpile soil samples were also submitted for the following analyses:

- PCE and Total Naphthalenes using EPA Method 8260; and
- Total Lead using EPA Method 7421.

Soil sampling procedures followed the same protocols as outlined for the Work Area 1 sampling in Section 5.1.2.1.

5.2.2.2 Analytical Results

Performance soil sample locations and the final remedial excavation limits at Work Area 2 are shown on Figure 9. A summary of the analytical results for the performance samples is provided in Table 9. Copies of the laboratory reports are provided in Appendix 10.

Figure 9 illustrates all eight characterization and final performance soil samples collected from the remedial excavation with COC concentrations greater than laboratory detection limits. The final performance samples collected from the northern, eastern, and southern sidewalls of the excavation demonstrate compliance with the selected MTCA Method A Soil CUL for all COCs at the limits of the Work Area 2 excavation.

This finding indicates that the soil within the remedial excavation for UST-4 has been fully remediated and suggests that UST-4 was not a significant contributor to the dissolved-phase hydrocarbon plume beneath the Site.

5.2.3 Installation of Infiltration Gallery

As presented in the IAWP and in anticipation of a potential need for contingent remedial actions to address residual soil and/or ground water impacts, an infiltration gallery was installed within the open remedial excavation to possibly remediate ground water impacts migrating from Work Area 1. The infiltration gallery consisted of one perforated pipe placed horizontally within the open excavation. The piping consisted of 4-inch-diameter Schedule 40 PVC with chemically welded connections. The ends of the pipe contained a ten-foot section of 0.02-inch factory slotted screen fitted with an end cap. The remainder of the piping was SCH 40 blank PVC and was plumbed to a convenient location on the surface and set within a traffic-rated vault for easy access. The extent and configuration of this piping is illustrated on Figure 9.

The piping was placed approximately 10 feet bgs in the excavation with 2 feet of pea gravel above and below. An impervious 6-mil plastic liner was placed on top of the pea gravel to prevent migration of the fine backfill material into the pea gravel or the piping.

5.2.4 Site Restoration

The excavation was backfilled with imported backfill material approved by the engineer. Extra care was taken to insure that the backfill material was compacted back underneath the concrete flooring and wall. The former UST access manway located in the machine shop, south of the UST, was filled and the material was compacted with a roller compacter on 1-foot lifts up to within 4 inches of grade.

The sidewalk and ramp leading into the building was resurfaced with concrete.

5.3 Work Area 3 – UST 5

As indicated in Figure 10, Work Area 3 (WA3) is limited to the west by a load-bearing structural wall and support column and underground utility piping. There is no barrier to the north, and a subsurface hydraulic hoist and storm sewer line are located to the east. The excavation is bounded to the south by a storm sewer, a sanitary sewer, and an interior wall.

Work Area 3 contained one UST located in the service bay inside the Whitney's Chevrolet service building (Figure 10). The UST was reportedly used for storing used motor oil that was then used as a fuel source for the on-site boiler/heater. The UST was reportedly filled with concrete and closed in-place in 1996. The UST was constructed of reinforced concrete and had a common concrete wall with an adjoining subsurface hydraulic hoist.

At the recommendation of Earth Solutions NW, LLC, shoring was installed adjacent to the vertical support columns along the west side of Work Area 3. The shoring consisted of three, 2-inch-diameter

metal pilings that were installed to a depth of 12 feet bgs. The pilings were then fastened to the concrete base of the support columns. Earth Solution NW, LLC's shoring diagrams are provided in Appendix 11.

5.3.1 Excavating and Soil Handling

The goal of the UST removal and remedial excavation activities in Work Area 3 was to remove the UST and properly excavate and dispose of the soil with concentrations of COCs above the selected MTCA Method A Soil CULs.

Prior to the start of the excavation activities, a private underground utility locating service was utilized to locate subsurface utilities. Several unknown subsurface anomalies were detected within the planned excavation area.

The UST decommissioning and soil excavation activities were performed by Glacier using a small track-mounted excavator and a rubber-tire, front-end loader. Caution tape and barricades were installed around the limits of the work area. The concrete surface was saw-cut along the limits of the initial excavation. The concrete contained 1/2-inch metal rebar. The concrete was disposed off-site with the PCS and the rebar was transported to a metal recycler.

The UST in Work Area 3 was a concrete vault with 6-inch reinforced concrete sides. A 12-inch round metal access port was present on the top of the vault through the concrete surface. The vault was approximately 5 feet wide, 8 feet long, and 5.5 feet deep for an approximate capacity of 1,600 gallons.

The north wall of the vault was also the south wall for the containment cavity of the subsurface hydraulic hoist. The hoist cavity was approximately 1.5 feet wide, 8 feet long, and 7.5 feet deep, and contained the hoist cylinder and hydraulic fluid reservoir. The hoist cavity was full of sand and apparent hydraulic fluid was present in the sand near the bottom of the cavity. A rubber pipe was observed leading from the main hoist cavity to an ancillary part of the hoist approximately 8 feet to the east. The rubber pipe was in generally poor condition.

Glacier removed the cylinder and reservoir and drained the hydraulic fluid into a 35-gallon drum. EPI collected a sample of the hydraulic fluid and submitted the sample to Libby Environmental, Inc., for PCB analysis using EPA Method 8082 and VOC analysis using EPA Method 8260. The analytical results indicated that there were no PCB or VOC concentrations above laboratory detection limits. A copy of the laboratory data is provided in Appendix 12. After receipt of the analytical data, the hydraulic fluid was used as fuel for the on-site boiler, and the metal hydraulic cylinder and reservoir were transported to the metal recycler.

A floor drain that was previously filled with concrete was removed from the southern end of the excavation. The drain consisted of a metal surface drain connected to what appeared to be transite piping. The pipe was approximately 6 feet long and discharged into the sanitary sewer at the south end of the excavation. The pipe was removed from the ground and the sanitary sewer connection was

capped. The pipe was then double-bagged and disposed as non-friable asbestos-containing material by American Environmental, Inc. The waste manifest is provided in Appendix 13.

The soils below the UST appeared to be impacted with either fluids from the UST or hydraulic fluid from the hoist, or both. The concrete cold joint between the floor of the UST and common wall with the hoist cavity appeared to be leaking and areas of oily soil were observed below the UST.

The terminal vertical limits of the excavation were determined by the engineer based upon the geotechnical stability of the soil and the necessary setback to maintain structural support for the building during the excavation and removal process. The final vertical limit for Work Area 3 varied between 9.5 and 10.5 feet bgs depending upon the reach of the excavator. The terminal lateral limits were based on physical constraints such as the structural components of the building, sanitary sewer lines, and other miscellaneous subsurface piping.

The final limits of the excavation included approximately 190 square feet to a depth of about 9.5 to 10.5 feet bgs for an approximate in-situ volume of 70 cubic yards. The excavated soils consisted of black organic-rich soils at the surface and petroleum impacted silts and sands near the bottom of the excavation. All of the excavated soils from Work Area 3 were disposed of as PCS.

5.3.2 Performance Sampling

Performance sampling during excavation was used to guide the remedial excavation and to assess and document attainment of the desired cleanup standards [WAC 173-340-410(b)] at the terminal limits of the remedial excavation. During the IA, performance sampling consisted of collecting and analyzing soil samples from the excavation sidewalls and bottom in order to determine if compliance with the cleanup levels had been attained.

5.3.2.1 Sampling Methodology

During the IA, soil samples from the excavation sidewalls and bottoms were field-screened using a PID and sheen testing. These procedures followed the protocols as described in Section 5.1.2.1 of this report.

One characterization and 12 final performance soils samples were collected from the sidewalls and bottom of the excavation. The locations of all characterization and performance samples are indicated on Figure 10.

Performance sidewall samples were collected at a frequency of about one for every 10 linear feet of sidewall and within the depth interval where contaminated soils appeared to have been present. This depth interval was between 5 and 10.5 feet below grade. The final remedial excavation sidewalls were about 9.5 feet in depth on the south end of the excavation, and about 10.5 feet in depth on the north end.

In some cases, particularly in the sidewalls near physical barriers, multiple samples were collected vertically in order to clearly identify the depth interval of potentially remaining impacted soils. Performance bottom samples were collected for each 200 square feet of excavation bottom. A total of three soil samples were collected from the bottom of the excavation.

All performance soil samples were submitted for the following analyses:

- GRPH using the NWTPH-Gx method;
- DRPH and ORPH using the NWTPH-Dx extended method; and
- BTEX by using EPA Method 8260.

Selected excavation and performance soil samples were also submitted for the following analysis:

- PCE and Total Naphthalenes using EPA Method 8260;
- Total Lead using EPA Method 7421;
- PCBs using EPA Method 8082; and
- PAHs using EPA Method 8270 SIM.

Soil sampling procedures followed the same protocols as outlined for Work Area 1 in Section 5.1.2.1.

5.3.2.2 Analytical Results

Performance soil sample locations and the final remedial excavation limits are shown on Figure 10. A summary of the COC analytical results for the performance samples is provided in Table 10. Copies of the laboratory reports are provided in Appendix 12. Figure 10 illustrates all 13 characterization and performance soil samples collected from the remedial excavation and presents detected COC concentrations.

The final performance samples collected from the northern sidewall of the excavation indicate attainment of MTCA Method A Soil CULs in this area. Due to the presence of piping and the need to maintain structural support for the building it was not possible to widen or deepen the excavation and it was not possible to attain MTCA Method A Soil CULs at the western, southern, or eastern limits of the excavation or at the bottom of the excavation.

The final performance soil samples collected from the east, south, and west sidewalls of the excavation indicated that the concentrations for GRPH, ORPH, benzene, and total xylenes were sporadically present at concentrations greater than the MTCA Method A Soil Cleanup Levels for Unrestricted Land Use.

These compounds and their concentrations are:

- GRPH, one sample at 975 mg/kg;

- ORPH from 3,360 mg/kg to 96,000 mg/kg;
- Benzene from 0.067 mg/kg to 0.17 mg/kg;
- Total Xylenes, one sample at 22.6 mg/kg; and
- PCE from <0.02 mg/kg to one sample at 0.38 mg/kg.

The final performance soil samples collected from the bottom of the excavation indicated that the concentrations for GRPH, ORPH, and benzene were sporadically present in Work Area 3 at concentrations greater than the MTCA Method A Soil Cleanup Levels for Unrestricted Land Use.

These compounds and their concentrations are:

- GRPH from 73 mg/kg to 975 mg/kg;
- ORPH from 2,520 mg/kg to 4,660 mg/kg; and
- Benzene from 0.067 mg/kg to 0.068 mg/kg.

No other compounds were detected in the excavation bottom at concentrations exceeding a selected or potentially applicable cleanup level.

The findings indicate that residual inaccessible contamination remains in soils in Work Area 3. The primary residual COCs are ORPH. GRPH and benzene are also present but generally only marginally exceed the MTCA Method A Soil CULs at the bottom of the excavation. One elevated concentration of GRPH at 975 mg/kg is associated with 96,000 mg/kg of ORPH. Work Area 3 does not appear to be a source of impacts to ground water or a contributor to the dissolved-phase petroleum hydrocarbon plume known to exist at the Site.

5.3.3 Installation of Infiltration Gallery

As presented in the IAWP and in anticipation of a potential need for contingent remedial actions to address residual soil and/or ground water impacts, an infiltration gallery was installed within the open remedial excavation. The infiltration gallery consisted of one perforated pipe placed horizontally within the open excavation. The piping consisted of 4-inch-diameter Schedule 40 PVC with chemically welded connections. The ends of the pipe contained a 10-foot section of 0.02-inch factory slotted screen fitted with an end cap. The remainder of the piping was SCH 40 blank PVC and was plumbed to a convenient location on the surface and set within a traffic-rated vault for easy access. The extent and configuration of this piping is illustrated on Figure 10.

The piping was placed at approximately 8.5 feet deep in the excavation with 2 feet of pea gravel above and below. An impervious 6-mil plastic liner was placed on top of the pea gravel to prevent migration of the fine backfill material into the pea gravel or the piping.

5.3.4 Site Restoration

The excavation was backfilled with imported backfill material approved by the engineer. The material was compacted with a roller compacter on 1-foot lifts up to within 4 inches of grade. Rebar was placed in a 2-foot grid and the area was resurfaced with concrete.

5.4 Work Area 4 – UST 6

As indicated in Figure 11, Work Area 4 is limited to the north by the sanitary sewer and a load-bearing structural support column. There is no barrier to the east except the ceiling of the paint booth with a height of 7 feet and limits equipment access. The excavation was bounded to the south by the paint booth walls and a support column footing and to the west by a sewer line.

Work Area 4 contained one steel UST located partially inside the paint booth and partially in the drive lane inside the Whitney's Chevrolet service building (Figure 11). The UST was reportedly used to store gasoline when the northeast corner of the building was occupied by a contractor. This UST had not been previously closed-in-place like other USTs at the Site, and was empty at the time of removal.

At the recommendation of the structural engineer, shoring was installed adjacent to the vertical support columns. The shoring consisted of three, 2-inch-diameter steel pilings that were installed to a depth of 12 feet bgs adjacent to each of the vertical support columns.

5.4.1 Excavating and Soil Handling

The goal of the UST removal and remedial excavation activities in Work Area 4 was to remove the UST and properly excavate, handle, and dispose of the soil with concentrations of COCs above the selected MTCA Method A Soil Cleanup Levels for Unrestricted Land Use.

Prior to the start of the excavation activities, a private underground utility locating service was utilized to locate subsurface utilities. Several unknown subsurface anomalies were detected on the west and north sides of the excavation.

The UST decommissioning and soil excavation activities were performed by Glacier using a small track-mounted excavator and a rubber-tired, front-end loader. Caution tape and barricades were installed around the inside limits of the work area. The concrete surface was saw-cut along the limits of the initial excavation. No visible petroleum hydrocarbon staining was observed on the concrete and it was disposed of off-site as non-regulated waste.

After uncovering the UST, the inside was checked for volatile vapors using a PID and an explosimeter. No elevated readings were observed with either the PID or the explosimeter, and there were no noticeable petroleum vapors emanating from the UST. Glacier triple-rinsed the UST as standard protocol prior to removal.

EPI observed that the bottom of UST 6 was moderately deteriorated with numerous small holes less than ¼-inch in diameter. There was no evidence of overfills, and the soil below the UST did not have evidence of petroleum hydrocarbons such as odors, elevated PID readings, or discoloration. The UST was measured and determined to be approximately 1,000 gallons in capacity. The UST was then cut into pieces and transported to HD Metal Recycling for disposal.

The terminal vertical limits of the excavation were determined by the engineer based on slope stability and the necessary setback to maintain structural support for the building during excavation. The final vertical limit for Work Area 4 was 8 feet bgs. The terminal lateral limits were based on physical constraints such as the paint booth walls and active sanitary sewer lines.

The final limits of the excavation included 90 square feet to a depth of 8 feet bgs for an approximate in-situ volume of 27 cubic yards. The excavated soils were disposed of as non-impacted soils and were designated by the on-site engineer as being geotechnically unsuitable for backfill material. Based on the analytical results (see below), these soils were disposed of off-site as non-regulated material.

5.4.2 Performance Sampling

Performance sampling during excavation was used to guide the remedial excavation and to assess and document attainment of the desired cleanup standards [WAC 173-340-410(b)] at the terminal limits of the remedial excavation. During the IA, performance sampling consisted of collecting and analyzing soil samples from the excavation sidewalls and bottom in order to determine if compliance with the cleanup levels had been attained.

5.4.2.1 Sampling Methodology

During the IA, soil samples from the excavation sidewalls and bottoms were field-screened using a PID and sheen testing. These procedures followed the protocols as described in Section 5.1.2.1 of this report.

A total of 6 final performance soil samples were collected from the sidewalls and bottom of the excavation. The locations of all characterization and performance samples are indicated on Figure 11.

The final remedial excavation sidewalls were about 8 feet deep. Performance sidewall samples were collected at a frequency of about one for every 10 linear feet of sidewall at a depth interval between 5 and 8 feet below grade. Based on the small square footage of the excavation, one bottom sample was collected. Three soil samples were also collected from the stockpiled overburden soils that were determined to be "clean".

All performance and stockpile soil samples were submitted for the following analyses:

- GRPH using the NWTPH-Gx method;
- DRPH and ORPH using the NWTPH-Dx extended method; and

- BTEX by using EPA Method 8260.

Selected performance and stockpile soil samples were also submitted for the following analyses:

- PCE and Total Naphthalenes using EPA Method 8260; and
- Total Lead using EPA Method 7421.

Soil sampling procedures followed the same protocols as outlined for the Work Area 1 sampling in Section 5.1.2.1.

5.4.2.2 Analytical Results

Performance soil sample locations and the final remedial excavation limits are shown on Figure 11. A summary of the COC analytical results for the performance samples is provided in Table 11. Copies of the laboratory reports are provided in Appendix 14.

Figure 11 illustrates all six performance soil samples collected from the remedial excavation and the compounds detected in those samples. Figure 11 illustrates that soil conditions in Work Area 4 fully comply with the MTCA Method A Soil CULs.

Despite the numerous holes observed in UST-6 and the reported use of this UST for historic gasoline storage, UST-6 does not appear to have been a significant contributor to the dissolved phase petroleum hydrocarbon plume at the Site.

5.4.3 Installation of Infiltration Gallery

As presented in the IAWP and in anticipation of a potential need for contingent remedial actions to address residual soil and/or ground water impacts, an infiltration gallery was installed within the open remedial excavation. The infiltration gallery consisted of one perforated pipe placed horizontally within the open excavation. The piping consisted of 4-inch-diameter Schedule 40 PVC with chemically welded connections. The ends of the pipe contained a 10-foot section of 0.02-inch factory slotted screen fitted with an end cap. The remainder of the piping was SCH 40 blank PVC and was plumbed to a convenient location on the surface and set within a traffic-rated vault for easy access. The extent and configuration of this piping is illustrated on Figure 11.

The piping was placed at approximately 6 feet deep in the excavation with 2 feet of pea gravel above and below. An impervious 6-mil plastic liner was placed on top of the pea gravel to prevent migration of the fine backfill material into the pea gravel or the piping.

5.4.4 Site Restoration

The excavation was backfilled with imported backfill material approved by the engineer. The material was compacted with a roller compacter on 1-foot lifts up to within 4 inches of grade, and resurfaced with concrete.

5.5 Impacted Soil Disposal

Impacted soils were categorized based on contaminant types and concentrations. Three soil categories requiring documented off-site disposal were generated during the IA excavation activities. These are described below.

5.5.1 Petroleum-Contaminated Soil (PCS)

A total of 1,363 tons of PCS was excavated from Work Area 1, Work Area 2, and Work Area 3 during the IA activities and were transported by Harlow Trucking to Republic's 3rd and Lander transfer station in Seattle, Washington (formerly Rabanco). The soils were then transported to Republic by railcar to the Roosevelt Regional Landfill located in Roosevelt, Washington. Copies of the PCS profile, bill of lading, and weight tickets from Republic are provided in Appendix 15.

5.5.2 PCE Contained-In Soils

A total of 364 tons of soils containing PCE at concentrations of less than 0.05 mg/kg were transported by Harlow Trucking directly to Republic's Roosevelt Regional Landfill located in Roosevelt, Washington. These soils were subject to the "Contained In" determination provided by Ecology and were disposed of as non-hazardous in a Subtitle D landfill facility. Copies of the profile, bill of lading, and weight tickets from Republic are provided in Appendix 16.

5.5.3 PCE Hazardous Waste Soil

A total of 9 tons of soil containing PCE at concentrations greater than 0.05 mg/kg were handled as hazardous waste. This soil was placed into two, lined and covered, 20 cubic-yard, roll-off bins and transported by MP Environmental directly to Waste Management's Landfill located in Arlington, Oregon. These soils carried Federal (F008) and State (D039) waste codes and required disposal in a Subtitle C landfill facility. Copies of the Hazardous Waste Approval Letter, Uniform Hazardous Waste Manifest, and Certificate of Disposal from Waste Management are provided in Appendix 17.

6.0 GROUND WATER MONITORING

This section describes the findings of the first post-interim remedial quarterly ground water monitoring event.

6.1 New Well Development

The new wells were developed using a combination of pumping and surging with a submersible pump. Wells were developed until turbidity decreased to less than 10 NTUs or when the discharge water was visually clear and free of silt and fine particles as determined by EPI personnel. Newly- developed wells were allowed to equilibrate for at least 72 hours prior to the initial ground water sampling event.

Development water was temporarily stored on-site in 55-gallon drums pending analytical results of the ground water sampling event.

6.2 Findings

This section describes the findings of the first site-wide quarterly sampling and monitoring event conducted post-interim remedial actions.

6.2.1 Piezometric Conditions

Depth to water measurements for each well were collected as described in Section 3.4. A summary of depth to water measurements and ground water elevations are summarized in Table 12. The piezometric conditions for October/November 2011 are illustrated in Figure 12.

The hydraulic gradient is generally southeasterly and shifts more easterly near South Main Street. This is generally consistent with previously observed conditions. The hydraulic gradient across the Site has a slope of about 0.013 feet/foot (WCMW-8 to KBMW-7) and decreases to approximately 0.008 feet/foot at South Main Street (KBMW-7 to TSSMW-12).

6.2.2 Analytical Results

The sampling event documented herein includes the first of five quarterly sampling events performed in support of the FS for the Site. This quarterly sampling event included all of the Site monitoring wells, which consist of 21 previously constructed wells and the six newly constructed wells and one replacement well, for a total of 28 wells. Analytical results for this initial sampling event are summarized in Table 4.

During water level measurement and initial sampling, four wells either contained measurable LNAPL or had a sheen, and were therefore not sampled. The following LNAPL thicknesses were measured:

- WCMW-2 = 0.01 feet
- KBMW-2 = 0.05 feet
- KBMW-4 = Sheen
- KBMW-9 = 0.55 feet

Monitoring well KBMW-2 was noted by Ecology to have contained measureable LNAPL in the past, but this was the first sampling event by EPI that identified LNAPL in any monitoring wells. The distribution of observed LNAPL is discontinuous and intermittent. For example, wells WCMW-2 and KBMW-4 are separated by wells WCMW-3 and WCMW-4 which do not contain LNAPL and the thickest LNAPL accumulation is in the most distal well (KBMW-9) from the assumed source property. Given the apparent lack of other sources of gasoline fuel release between the northwest corner of the Site and KBMW-9, the distribution of LNAPL suggests an early historic release of gasoline fuel and subsequent downgradient migration of the accumulated LNAPL. The current intermittent occurrence of LNAPL is likely associated with specific piezometric conditions and vertical drainage of separate phase hydrocarbons from saturated soils during periods of low water table elevations. It is believed that the LNAPL distribution is currently static. Ongoing ground water monitoring will assess the seasonal occurrence and lateral stability of the observed LNAPL.

A total of 24 ground water samples, three duplicate samples, and two trip blanks were collected and submitted to Libby Environmental, Inc. for analysis of COCs using the analytical methods listed in Section 3.4. All analytical results are summarized in Table 4, and the final laboratory analytical results are provided in Appendix 4.

Due to the volume of data, the analytical results are discussed in the context of their spatial distribution at the Site rather than as a well-by-well, concentration-by-concentration narrative. Such a narrative is not as enlightening as a discussion of the overall distribution of the impacts.

Figure 13 presents the locations of each of the monitoring wells sampled during the IA and the results for compounds detected during the December 2009, January 2010, and November 2011 sampling events.

The analytical data indicate that six COCs were detected in the ground water during the November 2011 sampling event at the following range of detected concentrations:

- GRPH ranged from 315 µg/L to 37,800 µg/L;
- Benzene ranged from 2.4 µg/L to 394 µg/L;
- Toluene ranged from 1.2 µg/L to 2,980 µg/L;
- Ethylbenzene ranged from 2.6 µg/L to 1,760 µg/L;
- Total Xylenes ranged from 30.2 µg/L to 8,810 µg/L; and
- PCE ranged from 1.2 µg/L to 21.1 µg/L.

It should be noted that for the purposes of this report monitoring well KBMW-12 is considered to be representative of ground water quality primarily associated with the known release on the Tony's Short Stop Site, which has consistently shown the highest levels of petroleum hydrocarbon impacts to groundwater in downtown Montesano. This well is located immediately north of and adjacent to the interim action excavation on the Tony's Short Stop Site, and analysis of soil samples collected during installation of that well indicated the presence of elevated concentrations of COCs. Moreover, the

concentrations of COCs observed in KBMW-12 are significantly higher than wells immediately upgradient of KBMW-12.

Figures 14, 15, and 16 present isoconcentration contours for GRPH, benzene, and PCE in ground water at the Site and illustrate the estimated extent of the contaminant plumes exceeding MTCA Method A Ground Water Cleanup Levels originating from the Whitney Chevrolet Site. It is acknowledged that there may be some commingling of contaminants originating from the Whitney Chevrolet Site with contaminants originating on the Tony's Short Stop Site. However, the data illustrate that such commingling is minor. Moreover, it is important to note that when the dissolved-phase plume from the Whitney Site is defined as the extent of COCs at concentrations exceeding a MTCE Method A Ground Water CUL the plume does not currently extend onto the Tony's Short Stop property.

Figure 14 presents interpreted LNAPL and dissolved-phase GRPH isoconcentration contours for the October/November 2011 sampling event. The interpreted extent of LNAPL is presented and the outermost isoconcentration contour equates to the MTCA Method A Ground Water CUL for GRPH of 800 µg/L. The lateral extent of the dissolved-phase GRPH plume is well characterized at the 800 µg/L cleanup level. This concentration distribution indicates that the dissolved-phase plume is relatively narrow and that the extent of observed LNAPL is discontinuous. It is also clear that concentrations attenuate quickly with distance from the most downgradient LNAPL (i.e., KBMW-9). GRPH impacts on the Tony's Short Stop Site that are likely associated with the Whitney Chevrolet Site (i.e., TSSMW-7 at 315 µg/L) are below the MTCA Method A Ground Water CUL.

Figure 15 presents interpreted dissolved-phase benzene isoconcentration contours for the October/November 2011 sampling event. The outermost benzene isoconcentration contour equates to the MTCA Method A Ground Water cleanup level of 5 µg/L. The dissolved-phase benzene plume is coincident with the dissolved-phase GRPH plume. As with the dissolved-phase GRPH plume the benzene impacts attenuate rapidly with distance downgradient from the LNAPL and do not appear to extend on to the Tony's Short Stop Property at a concentration exceeding the MTCA Method A Ground Water CUL.

Figure 16 presents interpreted dissolved-phase PCE isoconcentration contours for the October/November 2011 sampling event. The outermost isoconcentration contour equates to the MTCA Method A Ground Water CUL of 5 µg/L. The dissolved-phase PCE plume is less extensive than, and fully contained within, the GRPH or benzene plumes.

There does not appear to be a significant source of PCE contribution to the Whitney Chevrolet Site upgradient of the Site. Concentrations to the west and northwest of the Site are generally low level and below the applicable cleanup level. These concentrations are also substantially upgradient of the Site and are not coincident with hydrocarbon impacts. Since PCE is not a naturally occurring compound this cannot be indicative of a background condition. While not at concentrations exceeding a MTCA Method A CUL, the off-property PCE impacts to ground water do suggest the presence of an upgradient source of PCE release to ground water at some undetermined distance and location to the west and northwest of the Site. Future remediation at the Whitney Chevrolet Site will address impacts originating from the Site but cannot address any upgradient sources of PCE that may or may not be present.

6.3 Disposal of IDW

A total of ten 55-gallon drums of IDW water were generated during the well sampling and purging activities of the newly installed wells. The water was disposed of as PCE impacted hazardous waste along with the development water generated during the well installation activities as described in Section 4.7 of this report.

7.0 CONCEPTUAL SITE MODEL

The conceptual site model (CSM) is based on the full body of data available for the Whitney's Chevrolet Site and identifies plausible human and ecologic exposure pathways resulting from on-Site releases to the environment. In support of this CSM, Figure 17 illustrates an interpretive cross section oriented northwest to southeast along the axis of ground water migration through the core of the dissolved-phase plume.

The CSM contains the following elements:

- The COCs are those commonly associated with hydrocarbon fuels and vehicle maintenance activities. The COCs for soil, ground water, and indoor air are presented in Section 1.4.
- The concentrations of COCs in soil and ground water at the Site are the result of historic releases from out-of-service USTs and potentially from vehicle service related activities. All known USTs at the Site and all accessible impacted soils have been removed.
- After completion of the IAs only limited soil contamination remains at the Site. Any remaining impacts to soil at concentrations above CULs are both inaccessible and fully covered with buildings, concrete, or asphalt pavement.
- The environmental media where concentrations of COCs have been detected include soil, ground water and indoor air.
- The probable transport mechanisms for the migration of COCs include desorption from soil to ground water, dissolution from LNAPL to ground water, migration and dispersion of dissolved-phase COCs in ground water, and volatilization from soil and ground water to soil gas and indoor air.
- Indoor air has been evaluated with an analytical model for vapor intrusion and indoor air sampling. Only minor exceedances of MTCA Indoor Air Cleanup Levels were identified for benzene and ethylene dichloride (EDC). The potential for those impacts to adversely affect human appears highly limited. The cleanup levels provided within the guidance are based upon residential exposures and include juvenile exposures, neither of which is present at the

Site and are not reasonably expected at the site in the future. Site-specific cleanup levels for indoor air will be developed during the Feasibility Study process.

- There are no impacts to surface water or sediment. The limits of the Site are well defined and do not extent to any surface water bodies. The potential for preferential pathways (i.e., sewer lines) has been explored during the RI and has been ruled out as a contributing factor.
- The Site is fully capped and located within the urban core of Montesano. There are no potential ecological exposures to the Site COCs.
- Measurable LNAPL was present in ground water at the core of the dissolved-phase plume in November 2011. The presence of LNAPL appears to be intermittent and is likely related to specific hydrogeologic conditions that allow the accumulation of LNAPL. This finding suggests that an unknown mass of gasoline hydrocarbons is present within the core of the plume at concentrations near residual saturation. Depending upon the elevation of the seasonally fluctuating water table, some of these residual hydrocarbons may be exposed and drain, forming localized pockets of LNAPL during low water table conditions. Ongoing ground water monitoring will assess this condition.
- Dissolution of petroleum hydrocarbons (e.g., GRPH and benzene) from smear zone soils and LNAPL represent a continuing source of dissolved-phase contaminants to ground water.
- The extent of the LNAPL and dissolved-phase plumes are well characterized and sufficient monitoring capacity exists to adequately assess temporal changes in ground water quality and changes in the extent of the dissolved-phase plume. Figures 14 and 15 depict the current extent of the Site, when defined as the maximum extent of GRPH and benzene impacts to ground water exceeding CULs.
- There does not appear to be extensive commingling between the COCs originating on the Whitney Chevrolet Site with those originating on the Tony's Short Stop Site. It is acknowledged that some detectable concentrations of COCs originating from the Site may have migrated beyond the western, upgradient boundary of the Tony's Short Stop Site, but these impacts do not appear to have exceeded applicable cleanup levels as of late 2011, and are well below levels observed to be originating from Tony's Short Stop Site sources. Any commingling of contaminants appears to be minor, and remediation of the Whitney Chevrolet Site sources will serve to address any potential impacts to the Tony's Short Stop Site.
- Current and future land use at the Site will be limited to commercial uses and there is no realistic potential for ground floor residential development in the area of the Site. Such land uses are currently not allowed under current City of Montesano zoning or within the Master Plan for the downtown core.

- Ground water at the Site is not used for drinking water. The City of Montesano is served by municipal drinking water and current City codes restrict the installation of drinking water wells in the area of the Site. The potential for the on-Site ground water to be used for potable purposes appears very limited.
- Under current and future land uses the potential pathways for exposure to on-Site COCs include direct contact with soil by construction workers and air inhalation for a commercial worker scenario. The depth to ground water is greater than 15 feet and precludes the potential for direct contact for ground water exposure. Residual soil impacts are deeper than 6 feet below grade and are capped with asphalt and concrete within an urban setting which precludes the potential for terrestrial ecological exposures.

8.0 CONCLUSIONS

The following conclusions are supported by the actions and findings of the data gaps investigation and the IA's performed at the Site. The conclusions are grouped based upon the findings of the data gaps investigation, the interim actions, and ground water investigations at the Site.

Conclusions supported by the findings of the Data Gaps Investigation include the following:

- Data Gap 1 – The hydraulically downgradient extent of the dissolved-phase plume originating on the Whitney Chevrolet property is currently well characterized. The dissolved-phase plume as defined by the extent of COCs at concentrations exceeding MTCA Method A Ground Water CULs appears to end at the western boundary of the Tony's Short Stop property. While some degree of commingling of the two plumes may exist at lower concentrations, any such commingling is not extensive.
- Data Gap 2 – The *MTCATHP11.1* model does not appear to be an appropriate evaluation tool to predict actual risk to current, and potential future, indoor air exposures at the Site resulting from residual concentrations of GRPH in soil. Residual GRPH in soil at the Site is not extensive and other compounds at the Site present a greater risk of vapor intrusion than do GRPH. Vapor intrusion risks at the Site are best addressed through remediation of the LNAPL and dissolved-phase contaminant plumes.
- Data Gap 3 – The upgradient extent of the dissolved-phase plume is currently well-characterized and no further characterization of the western and northern extent of the Site is required.
- Data Gap 4 – The newly installed monitoring wells at the upgradient edge of the Site indicate that ground water in this area does not contain PCE at concentrations exceeding the MTCA CUL.

- Data Gap 5 – The Site does not appear to pose an unacceptable vapor intrusion risk to the Post Office. J&E modeling predicts only inconsequential potential risks to the Post Office and indoor air sampling of the Post Office building is not warranted based on Site conditions.
- Data Gap 6 – The former Whitney's Chevrolet Auto Body Repair Shop historically located on the north side of West Pioneer Avenue was not a contributor of COCs to the Whitney's Chevrolet Site.

Conclusions supported by the findings of the Interim Actions include the following:

- Work Area 1 – The majority of the impacted soils adjacent to the three USTs in Work Area 1 were successfully removed. Limited volumes of impacted soils with COC concentrations greater than the MTCA Method A Soil CUL remain in the west and east sidewalls of the excavation. The remaining impacts were inaccessible due to the presence of improvements (i.e., City of Montesano water lines) and buildings. The residual impacts are present in a limited depth horizon and concentrations are expected to decrease with distance from the former USTs. All residual impacted soils are covered with asphalt, concrete or buildings.

Ground water in Work Area 1 is impacted with COCs at concentrations exceeding MTCA CULs. The majority of the bottom of the excavation area remains impacted with petroleum hydrocarbons and these impacts are at and below the water table. The impacts at the water table are relatively thin (*i.e.*, < 5 feet) and likely represent a historic smear zone. The residual impacts in soil below the water table represent a source of petroleum hydrocarbon dissolution to ground water.

Low concentrations of PCE were detected in soil in Work Area 1 during the remedial excavation. The source of PCE impacts to these soils is unknown. The detected concentrations were not laterally contiguous and the distribution of the detected concentrations did not suggest either an area wide or localized source. In all cases, the PCE impacts were removed and the MTCA Method A CUL was attained throughout the remedial excavation.

- Work Area 2 – The remedial excavation at Work Area 2 achieved cleanup levels throughout the lateral limits of the excavation. Deeper soil impacts in Work Area 2 may be associated with releases from the adjacent Work Area 1 and UST-1, UST-2, and UST-3. UST-4 was noted to have numerous holes. If UST-4 was historically used for gasoline storage prior to the more recent waste oil storage, it may have been a contributor to the ground water impacts at the Site.
- Work Area 3 – Residual ORPH impacts remain in Work Area 3 and were not accessible due to structural support of the building, limited access, and the maximum reach of remedial

equipment. ORPH impacts to soil in Work Area 3 do not appear to have impacted ground water.

- Work Area 4 – No apparent impacts were encountered below the UST. There was no evidence of leakage from this UST, and this area is not considered a contributor to ground water impacts at the Site.

Conclusions supported by the findings of ground water sampling include the following:

- The dissolved-phase petroleum hydrocarbon plume is relatively narrow and well constrained within the Site. The lateral limits of the plume are well characterized by the current monitoring well network and additional monitoring well installation is not required. The wells are appropriately positioned to monitor changes in ground water quality in response to the interim actions and potential future remedial actions.
- LNAPL is intermittently observed within the core of the dissolved-phase plume. LNAPL likely accumulates under specific hydrogeologic conditions at different times of the year. The LNAPL accumulation during the October-November 2011 sampling was observed during a relatively low water level period as water levels were beginning to rise in the fall. The LNAPL is believed to be from limited vertical drainage of residual LNAPL from within the smear zone. This LNAPL is believed to be generally laterally immobile. Future ground water monitoring events will assess the temporal occurrence of LNAPL at the Site.
- The likely source of petroleum hydrocarbon releases at the Site is the former USTs in Work Area 1. This area was substantially impacted and the USTs showed evidence of overfilling with soil contamination extending from the base of the USTs to the water table. The fill and vent pipes and dispensers had been previously removed and it was not possible to assess modes of release associated with those appurtenances.
- The distribution of dissolved-phase petroleum impacts and LNAPL suggests that the primary releases from the USTs were historic. LNAPL and the core of the dissolved-phase impacts appear to have subsequently migrated downgradient to the southeast from a source area(s) in the northwestern portion of the Site. At present it is believed that the LNAPL accumulates only under specific and intermittent hydrogeologic conditions and that the extent of LNAPL is generally static.
- PCE impacts to ground water are roughly coincident with GRPH and benzene impacts.
- Ongoing ground water monitoring will serve to assess improvements in ground water quality that may result from the Interim Actions and removal of the source material. The next ground water sampling event will be performed in early February 2012.

9.0 LIMITATIONS

To the extent that preparation of this IA report has required the application of best professional judgment and the application of scientific principles, certain results of this work have been based on subjective interpretation. We make no warranties express or implied, including and without limitation, warranties as to merchantability or fitness for a particular purpose. The information provided in this IA report is not to be construed as legal advice.

This IA report was prepared solely for Whitney's Chevrolet, Inc., Caldwell Family Holdings, LLC, and Wynoochee Lodge #43 F&AM of Washington, and the contents herein may not be used or relied upon by any other person without the express written consent and authorization of Environmental Partners, Inc.

10.0 REFERENCES

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Tables

Table 1
Site COPC Screening/Cleanup Levels
Interim Action and Data Gap Investigation
Whitney's Chevrolet
123 Pioneer Avenue
Montesano, Washington 98563

COPC	Media	MTCA Method	Screening/Cleanup Level	Units
Oil-range petroleum hydrocarbons	Soil	A	2,000	mg/kg
Gasoline-range petroleum hydrocarbons	Soil	A	100 ^(a)	mg/kg
	Soil	A	30 ^(b)	mg/kg
	Ground Water	A	800 ^(c)	µg/L
	Ground Water	A	1,000 ^(d)	µg/L
Benzene	Soil	A	0.03	mg/kg
	Ground Water	A	5	µg/L
Toluene	Soil	A	7	mg/kg
	Ground Water	A	1,000	µg/L
Ethylbenzene	Soil	A	6	mg/kg
	Ground Water	A	700	µg/L
Total Xylenes	Soil	A	9	mg/kg
	Ground Water	A	1,000	µg/L
Naphthalenes	Soil	A	5	mg/kg
Tetrachloroethylene (PCE)	Ground Water	A	5	µg/L
Lead (total lead)	Soil	A	250	mg/kg

(a) Gasoline Range organic concentration in the absence of benzene and the total concentration of ethylbenzene, toluene, and xylenes is less than 1% of the gasoline mixture.

(b) Gasoline Range organic concentration with benzene present

(c) With benzene detected in water

(d) No detectable benzene in water

COPC - Contaminants of potential concern

MTCA = Model Toxics Control Act

mg/kg = milligrams/kilogram

µg/L = Micrograms per Liter

Table 3
Summary of Soil Sample Analytical Results for Newly Installed Wells (mg/kg)
Interim Action and Data Gap Investigation
Whitney's Chevrolet
123 Pioneer Avenue
Montesano, Washington 98563

Monitoring Well I.D.	Soil Sample I.D.	GRPH ^(a)	Benzene ^(b)	Toluene ^(b)	Ethylbenzene ^(b)	Total Xylenes ^(b)	PCE ^(b)
WCMW-1R	WCMW-1R:16.5	344	0.93	0.26	0.97	5.65	0.18
	WCMW-1R:20	<10	<0.02	0.05	<0.03	0.20	<0.02
WCMW-7	WCMW-7:9	195	<0.02	0.041	<0.03	0.11	<0.02
	WCMW-7:14	<10	<0.02	<0.02	<0.03	0.11	<0.02
WCMW-8	WCMW-8:9	300	0.052	0.17	0.052	0.26	<0.02
	WCMW-8:14	<10	<0.02	0.084	0.032	0.15	<0.02
WCMW-9	WCMW-9:9	<10	<0.02	<0.02	<0.03	<0.03	<0.02
	WCMW-9:14	14	<0.02	<0.02	0.06	0.25	<0.02
WCMW-10	WCMW-10:9	36	0.059	0.40	1.85	7.74	<0.02
	WCMW-10:14	11	<0.02	<0.02	0.10	0.60	<0.02
KBMW-11	KBMW-11:9	<10	<0.02	<0.02	<0.03	<0.03	<0.02
	KBMW-11:14	<10	<0.02	<0.02	<0.03	<0.03	<0.02
KBMW-12	KBMW-12:10	4,220	8.58	488	284	1,320	<0.02
	KBMW-12:15	3,400	1.75	13.6	96.8	331	<0.02
MTCA Method A Soil Cleanup Level for Unrestricted Land Use		30 (when benzene is detected)	0.03	7	6	9	0.05

(a) Analyzed for gasoline-range petroleum hydrocarbons (GRPH) using Ecology Method NWTPH-Gx

(b) Analyzed for volatile organic compounds (VOCs) using EPA Method 8260C

PCE = Tetrachlorethene

Bold = Concentration detected, but less than MTCA Method A Soil Cleanup Level for Unrestricted Land Use

Bold and shaded = Concentration greater than MTCA Method A Soil Cleanup Level for Unrestricted Land Use

Table 4
Summary of Ground Water Sample Analytical Results (in µg/L)
Interim Action and Data Gaps Investigation
Whitney's Chevrolet
123 Pioneer Ave
Montesano, Washington

WELL ID.	Date Collected	Gasoline-Range Petroleum Hydrocarbons (GRPH) ^(a)	Benzene ^(b)	Benzene ^(c)	Toluene ^(b)	Toluene ^(c)	Ethylbenzene ^(b)	Ethylbenzene ^(c)	Total Xylenes ^(b)	Total Xylenes ^(c)	Tetrachloroethane (PCE) ^(b)
Monitoring Wells Associated With Whitney's Chevrolet Site											
WCMW-1	12/13/09	9,600	7.9	180	84.4	220	58.6	280	816	970	24.6
	1/19/10 and/Dup3	5,040/4,910	98.3/117	--	125/98.5	--	134/120	--	900/1,330	--	34.1/35
WCMW-1R	11/02/11	750	<1.0	--	1.2	--	2.6	--	30.2	--	1.5
WCMW-2	12/12/09	52,000	1,020	890	4,350	3,400	1,970	1,600	10,000	7,500	23.7
	1/19/10	41,400	2,490	--	14,700	--	6,490	--	29,500	--	41.9
	10/31/11	LNAPL - 1.2 inches									
WCMW-3	12/12/09	41,000	575	680	2,190	2,700	118	1,200	6,450	6,500	27.1
	1/19/10	26,300	2,370	--	11,000	--	4,710	--	23,400	--	25.5
	11/02/11	37,800	394	--	2,980	--	1,760	--	8,810	--	14.9
WCMW-4	12/13/09	26,000	115	170	2,040	1,300	266	268	5,460	4,100	24
	1/19/10	16,900	167	--	3,330	--	1,660	--	8,150	--	27.5
	11/01/11	7,950	13.1	--	236	--	385	--	1,730	--	21.1
WCMW-5	12/13/09	7,900	267	200	274	260	39.7	40	1,440	1,100	13.7
	1/19/10	6,890	593	--	1,290	--	1,070	--	4,960	--	14.4
	11/01/11	4,350	51.4	--	176	--	278	--	830	--	4.7
WCMW-6	12/13/09	<100	<1	<1	<1	<2	<1	<1	<2	<3	4.7
	1/19/10 and/Dup2	<100/<100	<1/<1	--	<1/<1	--	<1/<1	--	<2/<2	--	3.5/4
	10/31/11	<100	<1.0	--	<1.0	--	<1.0	--	<2.0	--	<1.0
WCMW-7	10/31/11 and/ WC-Dup1	<100/<100	<1.0/<1.0	--	<1.0/<1.0	--	<1.0/<1.0	--	<2.0/<2.0	--	1.3/<1.0
WCMW-8	10/31/11	<100	<1.0	--	<1.0	--	<1.0	--	<2.0	--	2.1
WCMW-9	10/31/11	<100	<1.0	--	<1.0	--	<1.0	--	<2.0	--	1.5
WCMW-10	10/31/11	<100	<1.0	--	<1.0	--	<1.0	--	<2.0	--	<1.0
KBMW-1	12/13/09	<100	<1	1.1	<1	<2	<1	<1	<2	<3	9.3
	1/18/10	<100	9.8	--	<1	--	<1	--	<2	--	9.8
	11/01/11	<100	<1.0	--	<1.0	--	<1.0	--	<2.0	--	<1.0
KBMW-2	12/13/09	38,000	553	450	5,750	3,500	<1	910	8,110	4,700	9.2
	1/18/10	27,500	709	--	8,310	--	2,200	--	10,300	--	<1
	10/31/11	LNAPL - 0.6 inches									
KBMW-3	12/13/09	200	10	8.6	3.5	<2	<1	2.1	3.8	4.2	<1
	1/18/10	160	10.9	--	9.1	--	<1	--	4.2	--	<1
	11/02/11	657	6.3	--	1.2	--	12.3	--	15.2	--	<1.0
KBMW-4	12/13/09	24,000	279	340	431	340	1,390	1,200	4,340	3,800	4.2
	1/19/10	25,400	565	--	1,140	--	1,800	--	6,300	--	<1
	10/31/11	LNAPL - sheen									
KBMW-5	12/13/09	<100	<1	<1	<1	<2	<1	<1	<2	<3	<1
	1/18/10	<100	<1	--	<1	--	<1	--	<2	--	<1
	11/02/11	<100	<1.0	--	<1.0	--	<1.0	--	<2.0	--	<1.0
KBMW-6	12/13/09	<100	<1	<1	<1	<2	<1	<1	<2	<3	<1
	1/18/10	<100	<1	--	<1	--	<1	--	<2	--	<1
	11/02/11 and/WC-Dup3	<100/<100	<1.0/<1.0	--	<1.0/<1.0	--	<1.0/<1.0	--	<2.0/<2.0	--	<1.0/<1.0
KBMW-7	12/13/09	800	11.6	14	4.1	3.7	<1	9.2	13.1	16	9.1
	1/19/10	1,090	8.5	--	13	--	146	--	352	--	6.8
	11/01/11	1,090	20.6	--	20.3	--	98.6	--	287	--	4.7
KBMW-8	12/13/09 and/Dup2	2,700/4,000	54.4/64.5	64/73	8.9/20.8	17.9/51	<1/6.8	74/120	147/262	191/400	4.5/3.7
	1/19/10	223	21.8	--	48.4	--	19.5	--	76.2	--	3.9
	11/01/11	1,990	19.9	--	5.0	--	108	--	66.3	--	<1.0
KBMW-9	12/14/09	37,000	516	460	3,850	2,500	1,900	1,400	9,100	6,100	1.8
	1/18/10	24,900	778	--	6,290	--	3,760	--	17,000	--	2
	11/01/11	LNAPL - 6.6 inches									
KBMW-10	12/14/09	<100	<1	<1	<1	<2	<1	<1	<2	<3	5.9
	1/18/10	<100	<1	--	<1	--	<1	--	<2	--	4.2
	11/01/11	<100	<1.0	--	<1.0	--	<1.0	--	<2.0	--	2.4
KBMW-11	11/01/11	<100	<1.0	--	<1.0	--	<1.0	--	<2.0	--	<1.0
KBMW-12	11/01/11	49,000	1,470	--	3,780	--	2,290	--	9,210	--	<1.0
ESMW-1	12/13/09 and/Dup1	800/650	11.3/8.8	14/13	8.2/<1	5.4/4.6	1.1/<1	8/7.6	29.6/12.1	17/16	<1/<1
	1/19/10 and/Dup1	658/695	10.9/10.9	--	10.2/10.4	--	3.5/3.2	--	32.2/29.5	--	<1/<1
	10/31/11	1,300	6.2	--	4.3	--	28.2	--	37.1	--	<1.0
ESMW-7	12/13/09	3,600	76.5	85	30.2	55	5.1	250	680	990	6.4
	1/19/10	1,990	127	--	39.5	--	292	--	649	--	<1
	11/01/11	5,800	135	--	31.4	--	520	--	645	--	<1.0
Monitoring Wells Associated With Tony's Short Stop Site (315 South Main Street, Montesano, WA)											
TSSMW-2	1/18/10	92,100	22,300	--	66,700	--	10,700	--	47,600	--	<4
TSSMW-4	1/18/10	LNAPL - approximately 1 inch									
TSSMW-5	1/18/10	<100	<1	--	<1	--	<1	--	<2	--	<1
TSSMW-6	1/18/10	<100	<1	--	<1	--	<1	--	<2	--	4.4
TSSMW-7	1/18/10	107	2.3	--	<1	--	1.4	--	17	--	2
	11/01/11	315	4.1	--	<1.0	--	3.2	--	3.3	--	1.2
TSSMW-8	1/18/10	125	1.4	--	<1	--	9.3	--	<2	--	<1
	11/01/11	150	4.9	--	<1.0	--	2.1	--	<2.0	--	<1.0
TSSMW-9	1/18/10	1,700	173	--	82	--	97.5	--	1,190	--	<1
	11/01/11	1,310	69.8	--	45.4	--	244	--	616	--	<1.0
TSSMW-12	11/01/11 and/WC-Dup2	<100/<100	<1.0/<1.0	--	<1.0/<1.0	--	<1.0/<1.0	--	<2.0/<2.0	--	<1.0/<1.0
MTCA Method A Ground Water Cleanup Level		800/ 1,000^(d)	5		1,000		700		1,000		5

(a) Analyzed using Ecology Method NWTPH-Gx
(b) Analyzed using EPA Method 8260B
(c) Analyzed using EPA Method 8021B
(d) Ground water cleanup level for GRPH is 800 µg/L when benzene is present in the sample; 1,000 µg/L when benzene is not detected.
PCE = Tetrachlorethene
LNAPL= Light non-aqueous phase liquid
-- Indicates compound was not analyzed for the indicated analysis
Bold = Indicates the analyte was detected above the compound-specific laboratory detection limit
Bold and Shaded = Indicates the detected concentration exceeds the MTCA Method A and/or B Ground Water Cleanup Level

Table 5
Summary of VPH^(a) Analytical Results for Soil (in mg/kg)
Interim Action and Data Gaps Investigation
Whitney's Chevrolet
123 Pioneer Ave
Montesano, Washington

Analytes	WC-MW-1R:16.5	WC-MW-8:9
Aliphatic Hydrocarbon (C5-C6)	<0.435	<0.914
Aliphatic Hydrocarbon (C6-C8)	0.759	0.608
Aliphatic Hydrocarbon (C8-C10)	9.41	5.82
Aliphatic Hydrocarbon (C10-C12)	13.3	41.3
Aromatic Hydrocarbon (C8-C10)	34.3	51.6
Aromatic Hydrocarbon (C10-C12)	88.5	116
Aromatic Hydrocarbon (C12-C13)	50.6	77.8
Benzene	<0.435	<0.914
Toluene	<0.435	<0.914
Ethylbenzene	1.01	<0.914
m,p-Xylene	3.17	0.377
o-Xylene	1.49	<0.914
Naphthalene	5.16	2.2
Methyl tert-butyl ether (MTBE)	<0.435	<0.914

Notes:

(a) Volatile Petroleum Hydrocarbons (VPH) using the MWVPH Methods

Table 7
Summary of UST Assessment Soil Sample Analytical Results for
Whitney's Auto Body Repair Shop UST-7 (in mg/kg)
Interim Action and Data Gaps Investigation
Whitney's Chevrolet
123 Pioneer Ave
Montesano, Washington

Sample I.D.	GRPH ^(a)	DRPH ^(b)	ORPH ^(c)	Benzene ^(d)	Toluene ^(d)	Ethylbenzene ^(d)	Total Xylenes ^(d)	MTBE ^(d)	EDC ^(d)	EDB ^(d)	PCE ^(d)	Total Lead ^(e)	c-PAHs ^(f)
UST-BOT@7	<10	<50	<100	<0.02	<0.03	<0.03	<0.03	<0.05	NA	NA	<0.02	<5.0	<0.0706 for all compounds
UST-NSW@5	<20	134	<100	<0.02	<0.03	<0.03	<0.03	<0.05	<0.02	<0.005	<0.02	NA	NA
UST-SSW@5	<20	<50	<100	<0.02	<0.03	<0.03	<0.03	NA	NA	NA	NA	NA	NA
Excavated Soil Stockpile													
UST-Stock 1	<20	<50	<100	<0.02	<0.03	<0.03	<0.03	NA	NA	NA	NA	NA	NA
UST Stock 2	<20	<50	<100	<0.02	<0.03	<0.03	<0.03	NA	NA	NA	NA	NA	NA
UST Stock 3	<20	102	<100	<0.02	<0.03	<0.03	<0.03	NA	NA	NA	NA	NA	NA
MTCA Method A Soil Cleanup Level for Unrestricted Land Use	30 (when benzene is detected)	2,000	2,000	0.03	7	6	9	0.1	NE	0.005	0.05	250	Compound Dependent

Notes:

- (a) Analyzed for gasoline-range petroleum hydrocarbons (GRPH) using Ecology Method NWTPH-HCID
 - (b) Analyzed for diesel-range petroleum hydrocarbons (DRPH) using NWTPH-HCID with NWTPH-Dx follow-up
 - (c) Analyzed for oil-range petroleum hydrocarbons (ORPH) using Ecology Method NWTPH-HCID
 - (d) Analyzed for volatile organic compounds (VOCs) using EPA Method 8260C
 - (e) Analyzed for lead using EPA Method 7421
 - (f) Analyzed for carcinigen polyaromatic hydrocarbons (cPAHs) using EPA Method 8270 (SIM)
- B = bottom of excavation soil, SW = sidewall soil sample, WA = work area, Dup = duplicate sample of proceeding sample, UST = underground storage tank
MTBE = Methyl Tertiary Butyl Ether
EDC = 1,2-Dichloroethane
EDB = Dibromoethane
PCE = Tetrachloroethene
NA = Not analyzed
NE = No MTCA Method A soil cleanup level for unrestricted land use established
Bold = Concentration detected, but less than MTCA Method A Soil Cleanup Level for Unrestricted Land Use
Bold and shaded = Concentration greater than MTCA Method A Soil Cleanup Level for Unrestricted Land Use

Table 8
Summary of Soil Sample Analytical Results for
Work Area 1 (in mg/kg)
Interim Action and Data Gaps Investigation
Whitney's Chevrolet
123 Pioneer Ave
Montesano, Washington

Sample I.D.	Final Performance Sample	GRPH ^(a)	DRPH ^(b)	ORPH ^(b)	Benzene ^(c)	Toluene ^(c)	Ethylbenzene ^(c)	Total Xylenes ^(c)	Tetrachloroethane (PCE) ^(c)	Total Lead ^(d)
Performance Samples										
WA1-SW1:9	Yes	<10	NA	<40	<0.02	<0.03	<0.03	<0.03	<0.02	5.2
WA1-SW2:14	Yes	<10	NA	<40	<0.02	<0.03	<0.03	<0.03	NA	NA
WA1-SW3:5	Yes	23	NA	<40	<0.02	<0.03	<0.03	<0.03	<0.02	<5.0
WA1-SW4:10	Yes	<10	NA	<40	<0.02	<0.15	<0.10	<0.15	<0.02	NA
WA1-SW5:14	Yes	<10	NA	<40	<0.02	<0.15	<0.10	<0.15	NA	NA
WA1-SW6:14	No	34	NA	<40	<0.02	<0.15	<0.10	0.22	NA	NA
WA1-Dup-1	-	15	NA	<40	<0.02	<0.15	<0.10	<0.15	NA	NA
WA1-SW7:10	No	362	NA	<40	<0.02	<0.15	<0.10	<0.15	NA	NA
WA1-SW8:5	Yes	11	NA	<40	<0.02	<0.15	<0.10	<0.15	NA	NA
WA1-Dup-2	-	<10	NA	<40	<0.02	<0.15	<0.10	<0.15	NA	NA
WA1-SW9:12	Yes	144	NA	<40	<0.02	<0.15	<0.10	<0.15	NA	NA
WA1-SW10:12	Yes	395	NA	<40	<0.02	<0.15	0.18	0.64	<0.02	5.2
WA1-SW11:12	Yes	<10	NA	<40	<0.02	<0.15	<0.10	<0.15	NA	NA
WA1-SW12:5	Yes	<10	NA	<40	<0.02	<0.15	<0.10	<0.15	NA	NA
WA1-SW13:10	Yes	1,350	NA	<40	<0.02	<0.15	0.51	1.40	0.029	5.7
WA1-SW14:14	Yes	951	NA	<40	0.5	2.8	3.9	22	NA	NA
WA1-SW15:5	Yes	27	NA	<40	<0.02	0.11	<0.10	0.20	NA	NA
WA1-Dup-3	-	27	NA	<40	<0.02	<0.15	<0.10	0.21	NA	NA
WA1-SW16:10	No	1,970	NA	<40	<0.02	<0.15	11.5	72	<0.02	5.2
WA1-SW17:10	Yes	<10	NA	<40	<0.02	<0.03	<0.03	<0.03	<0.02	6.1
WA1-SW18:12	Yes	1,450	NA	<40	<0.02	0.17	0.8	4.9	NA	NA
WA1-SW19:14	Yes	230	NA	<40	0.028	0.19	0.82	3.9	<0.02	<5.0
WA1-SW20:6	Yes	<10	NA	<40	<0.02	<0.03	<0.03	<0.03	NA	NA
WA1-SW21:11	Yes	2,750	NA	<40	<0.02	0.17	8.5	27.2	NA	NA
WA1-SW22:12	Yes	292	NA	<40	0.044	0.44	0.71	3.91	<0.02	<5.0
WA1-SW23:10	Yes	18	NA	<40	<0.02	<0.03	0.11	0.60	NA	NA
WA1-SW24:13	No	1,330	NA	<40	0.26	4.9	8.5	50	<0.02	NA
WA1-SW25:11	No	1,050	NA	<40	0.052	1.9	2.0	13	0.046	NA
WA1-SW26:13	No	71	NA	<40	<0.02	<0.03	<0.03	<0.03	<0.02	NA
WA1-SW27:11	No	830	NA	<40	<0.02	<0.03	18	71	NA	NA
WA1-SW28:11	Yes	250	NA	<40	<0.02	<0.03	0.12	0.91	<0.02	NA
WA1-SW29:11	Yes	790	NA	<40	<0.02	0.4	2.7	12.6	NA	<5.0
WA1-SW30:5	No	<10	NA	<40	<0.02	<0.03	<0.03	<0.03	NA	NA
WA1-Dup-5	-	<10	NA	<40	<0.02	<0.03	<0.03	<0.03	NA	NA
WA1-SW31:5	Yes	<10	NA	<40	<0.02	<0.03	<0.03	<0.03	NA	NA
WA1-SW32:11	No	NA	NA	NA	NA	NA	NA	NA	0.073	NA
WA1-SW33:12	No	129	NA	<40	<0.02	<0.03	0.12	0.82	<0.02	NA
WA1-SW34:13	No	2,620	NA	<40	0.48	6.7	26.1	172	0.24	NA
WA1-SW35:13	No	31	NA	NA	1.2	8.4	2.4	14	<0.02	NA
WA1-SW36:13	No	22	NA	NA	0.18	2.4	0.84	5.1	<0.02	NA
WA1-SW37:13	No	37	NA	NA	0.19	2.5	1.0	5.9	<0.02	NA
WA1-SW38:14	Yes	<10	NA	NA	0.02	0.12	0.098	0.58	<0.02	NA
WA1-SW39:12	Yes	28	NA	NA	0.026	0.31	0.35	1.9	<0.02	NA
WA1-SW40:10	Yes	628	NA	NA	<0.02	0.08	2	10	NA	NA
WA1-SW41:5	Yes	<10	NA	<40	<0.02	<0.03	<0.03	<0.03	<0.02	NA
WA1-SW42:13	Yes	<10	NA	NA	0.026	<0.03	0.17	1.1	<0.02	NA
WA1-SW43:11	Yes	14	NA	NA	<0.02	<0.03	0.44	3	<0.02	NA
WA1-SW44:12	No	NA	NA	NA	NA	NA	NA	NA	<0.02	NA
WA1-SW45:11	No	NA	NA	NA	NA	NA	NA	NA	<0.02	NA
WA1-SW46:11	Yes	14	NA	<40	<0.02	0.5	0.23	1.3	<0.02	<5.0
WA1-SW47:5	Yes	<10	NA	<40	<0.02	<0.03	<0.03	<0.03	<0.02	<5.0
WA1-Dup-7	-	<10	NA	<40	<0.02	<0.03	<0.03	<0.03	<0.02	<5.0
WA1-B1:16	Yes	12,500	NA	<40	0.93	8.76	101	540	NA	NA
WA1-B2:16	Yes	11,900	NA	<40	0.84	24.2	8.8	84.4	0.53	NA
WA1-B3:16	Yes	11,420	NA	<40	0.26	3.54	11.6	57.7	NA	<5.0
WA1-B4:16	Yes	<10	NA	<40	<0.02	<0.03	<0.03	<0.03	NA	<5.0
WA1-B5:16	Yes	6,220	NA	<40	<0.02	<0.15	0.24	0.74	NA	NA
WA1-B6:16	Yes	25,000	NA	<40	0.15	0.62	4.27	16.5	NA	<5.0
WA1-B7:16	Yes	6,300	NA	<40	0.10	0.62	1.53	5.1	NA	NA
WA1-B8:16	Yes	8,130	NA	<40	0.25	26.7	76.6	335	NA	NA
WA1-B9:16	Yes	1,110	NA	<40	<0.02	0.28	1.18	10.6	0.14	<5.0
WA1-B10:16	Yes	1,640	NA	<40	<0.02	<0.03	0.62	2.4	NA	NA
WA1-B11:16	Yes	1,950	NA	<40	<0.02	0.16	1.5	7.6	0.34	NA
WA1-B12:16	Yes	936	NA	<40	<0.02	<0.03	<0.03	<0.03	NA	NA
WA1-Dup-4	-	895	NA	<40	0.05	<0.03	<0.03	<0.03	NA	NA
WA1-B13:16	Yes	<10	NA	<40	<0.02	<0.03	<0.03	<0.03	<0.02	<5.0
WA1-B14:16	Yes	<10	NA	NA	<0.02	<0.03	<0.03	<0.03	<0.02	NA
WA1-B15:16	Yes	18	NA	<40	<0.02	<0.03	0.06	0.32	<0.02	<5.0
WA1-Dup-6	-	16	NA	NA	<0.02	<0.03	<0.03	<0.03	NA	NA
WA1-B16:16	Yes	<10	NA	NA	<0.02	<0.03	<0.03	<0.03	<0.02	NA
WA1-B17:16	Yes	<10	NA	NA	<0.02	<0.03	<0.03	<0.03	<0.02	<5.0
Characterization Samples										
WA1-EX1:10	No	395	NA	<40	<0.02	<0.15	0.13	0.24	<0.02	NA
WA1-EX2:9	No	97	NA	<40	<0.02	<0.15	0.17	<0.15	<0.02	NA
WA1-EX3:10	No	286	NA	<40	0.48	0.24	1.67	4.85	<0.02	NA
WA1-EX4:9.5	No	721	NA	<40	<0.02	<0.15	0.54	0.63	<0.02	NA
WA1-EX5:13	No	3,160	NA	<40	0.04	0.17	3.36	3.72	<0.02	NA
WA1-EX6:14	No	229	NA	<40	<0.02	0.17	<0.03	0.59	NA	NA
WA1-EX7:12	No	4,190	NA	<40	0.046	0.38	0.084	0.77	NA	NA
WA1-EX8:11	No	2,350	NA	<40	0.023	0.033	6.69	23.7	0.048	NA
WA1-EX9:9	No	<10	NA	<40	<0.02	<0.03	<0.03	<0.03	0.047	NA
WA1-EX10:11	No	16	NA	<40	<0.02	<0.03	0.20	0.93	0.028	NA
Excavated Soil Stockpile										
WA1-SP-1	-	<10	NA	<40	<0.02	<0.15	<0.10	<0.15	<0.02	NA
WA1-SP-2	-	<10	NA	<40	<0.02	<0.15	<0.10	<0.15	<0.02	NA
WA1-SP-3	-	<10	NA	<40	<0.02	<0.15	<0.10	<0.15	<0.02	NA
WA1-SP-4	-	<10	NA	<40	<0.02	<0.15	<0.10	<0.15	<0.02	NA
WA1-SP-5	-	<10	NA	<40	<0.02	<0.15	<0.10	<0.15	<0.02	NA
WA1-SP-6	-	<10	NA	<40	<0.02	<0.15	<0.10	<0.15	NA	NA
WA1-SP-7	-	<10	NA	<40	<0.02	<0.15	<0.10	<0.15	NA	NA
WA1-UST3-Stock1	-	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	<0.02	NA
WA1-UST3-Stock2	-	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	NA	NA
WA1-UST3-Stock3	-	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	NA	NA
MTCA Method A Soil Cleanup Level for Unrestricted Land Use		30 (when benzene is detected)	2,000	2,000	0.03	7	6	9	0.05	250

(a) Analyzed for gasoline-range petroleum hydrocarbons (GRPH) using Ecology Method NWTPH-Gx
(b) Analyzed for diesel-range petroleum hydrocarbons (DRPH) and oil-range petroleum hydrocarbons (ORPH) using Ecology Method NWTPH-Dx extended
(c) Analyzed for volatile organic compounds (VOCs) using EPA Method 8260C
(d) Analyzed for lead using EPA Method 7421
B = bottom of excavation soil, SW = sidewall sample, WA = work area, Dup = duplicate sample of proceeding sample, SP = stockpile, UST = underground storage tank
NA = Not analyzed
Bold = Concentration detected, but less than MTCA Method A Soil Cleanup Level for Unrestricted Land Use
Bold and shaded = Concentration greater than MTCA Method A Soil Cleanup Level for Unrestricted Land Use

Table 9
Summary of Soil Sample Analytical Results for
Work Area 2 (in mg/kg)
Interim Action and Data Gaps Investigation
Whitney's Chevrolet
123 Pioneer Ave
Montesano, Washington

Sample I.D.	Final Performance Sample	GRPH ^(a)	DRPH ^(b)	ORPH ^(b)	Benzene ^(c)	Toluene ^(c)	Ethylbenzene ^(c)	Total Xylenes ^(c)	Tetrachloroethane (PCE) ^(c)	Total Lead ^(d)	Total Naphthalenes ^(e)
Performance Samples											
WA2-SW1:4	Yes	<10	43	<40	<0.02	<0.03	<0.03	<0.03	NA	NA	NA
WA2-SW2:9	Yes	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	<0.02	5.3	<0.03
WA2-SW3:10	Yes	10	<25	<40	<0.02	<0.03	<0.03	0.25	<0.02	<5.0	<0.03
WA2-SW4:9	Yes	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	NA	6.1	<0.03
WA2-SW5:9	Yes	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	NA	36	<0.03
WA2-B1:12	Yes	13	<25	<40	<0.02	0.095	0.14	1.2	<0.02	<5.0	<0.03
WA2-Dup-1	-	<10	<25	<40	<0.02	0.069	0.095	0.75	<0.02	<5.0	<0.03
Exploratory Samples											
WA2-EX1:10	No	526	NA	NA	<0.02	0.08	1.7	12	<0.02	NA	NA
WA2-EX2:10	No	<10	<25	<40	<0.02	<0.15	<0.03	<0.03	<0.02	103	<0.03
Excavated Soil Stockpile											
WA2-UST4-Stock1	-	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	<0.02	7.3	<0.03
WA2-UST4-Stock2	-	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	NA	NA	NA
WA2-UST4-Stock3	-	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	NA	NA	NA
MTCA Method A Soil Cleanup Level for Unrestricted Land Use		30 (when benzene is detected)	2,000	2,000	0.03	7	6	9	0.05	250	5

Notes:

(a) Analyzed for gasoline-range petroleum hydrocarbons (GRPH) using Ecology Method NWTPH-Gx

(b) Analyzed for diesel-range petroleum hydrocarbons (DRPH) and oil-range petroleum hydrocarbons (ORPH) using Ecology Method NWTPH-Dx extended

(c) Analyzed for volatile organic compounds (VOCs) using EPA Method 8260C

(d) Analyzed for lead using EPA Method 7421

(e) Analyzed for Total Naphthalenes by Spectra Laboratories using EPA Method 8270.

PCE = Tetrachlorethene

B = bottom of excavation soil, SW = sidewall soil sample, WA = work area, Dup = duplicate sample of proceeding sample, UST = underground storage tank

NA = Not analyzed

Bold = Concentration detected, but less than MTCA Method A Soil Cleanup Level for Unrestricted Land Use

Bold and shaded = Concentration greater than MTCA Method A Soil Cleanup Level for Unrestricted Land Use

Table 10
Summary of Soil Sample Analytical Results for
Work Area 3 (in mg/kg)
Interim Action and Data Gaps Investigation
Whitney's Chevrolet
123 Pioneer Ave
Montesano, Washington

Sample I.D.	Final Performance Sample	GRPH ^(a)	DRPH ^(b)	ORPH ^(b)	Benzene ^(c)	Toluene ^(c)	Ethylbenzene ^(c)	Total Xylenes ^(c)	PCE ^(c)	Total Lead ^(d)	Total Naphthalenes ^(c)	PCBs ^(e)	c-PAHs ^(f)
Performance Samples													
SW3-SW1:4	Yes	<10	<25	<40	<0.02	<0.15	<0.10	<0.15	NA	NA	NA	NA	NA
WA3-SW2:9	Yes	<10	<25	240	<0.02	<0.15	<0.10	<0.15	<0.02	<5.0	<0.15	NA	NA
WA3-SW3:9.5	Yes	<10	<25	1,010	<0.02	<0.15	<0.10	<0.15	<0.02	<5.0	<0.15	NA	NA
WA3-SW4:9	Yes	<10	<25	490	<0.02	<0.15	<0.10	<0.15	NA	NA	NA	NA	NA
WA3-Dup-1	-	<10	<25	540	<0.02	<0.15	<0.10	<0.15	NA	NA	NA	NA	NA
WA3-SW5:8	Yes	<10	<25	530	<0.02	<0.15	<0.10	<0.15	<0.02	<5.0	<0.15	NA	NA
WA3-SW6:5	Yes	<10	<25	3,970	<0.02	<0.15	<0.10	<0.15	NA	NA	NA	NA	NA
WA3-SW7:5	Yes	<10	<25	12,800	<0.02	<0.15	<0.10	<0.15	NA	NA	NA	NA	NA
WA3-SW8:5	Yes	975	<25	96,000	0.17	6.74	3.98	22.6	NA	NA	NA	NA	NA
WA3-SW9:8.5	Yes	25	<25	3,360	<0.02	<0.15	<0.10	0.17	0.038	<5.0	<0.15	NA	NA
WA3-B1:10.5	Yes	81	<25	2,520	0.067	0.12	0.38	1.86	<0.02	6.27	1.03	NA	NA
WA3-B2:9.5	Yes	104	<25	4,660	<0.02	<0.15	0.2	0.98	<0.02	<5.0	1.00	<0.02	Benz(a)anthracene = 0.121 , ND for all others
WA3-B3:10.5	Yes	73	<25	3,680	0.068	<0.15	0.53	2.56	NA	NA	NA	NA	NA
Exploratory Samples													
WA3-EX1:9	No	21	<25	<40	<0.02	<0.15	<0.10	<0.15	<0.02	<5.0	<0.15	<0.02	<0.07 for all compounds
MTCA Method A Soil Cleanup Level for Unrestricted Land Use		30 (when benzene is detected)	2,000	2,000	0.03	7	6	9	0.05	250	5	1	Benz(a)anthracene = NE

(a) Analyzed for gasoline-range petroleum hydrocarbons (GRPH) using Ecology Method NWTPH-Gx

(b) Analyzed for diesel-range petroleum hydrocarbons (DRPH) and oil-range petroleum hydrocarbons (ORPH) using Ecology Method NWTPH-Dx extended

(c) Analyzed for volatile organic compounds (VOCs) using EPA Method 8260C

(d) Analyzed for lead using EPA Method 7421

(e) Analyzed for polychlorinated biphenyls (PCBs) using EPA Method 8082

(f) Analyzed for carcinogen polyaromatic hydrocarbons (cPAHs) using EPA Method 8270 (SIM)

B = bottom of excavation soil, SW = sidewall soil sample, WA = work area, Dup = duplicate sample of proceeding sample

NA = Not analyzed

NE = No MTCA Method A soil cleanup level for unrestricted land use established

ND = Non-detect - no analyte concentrations detected above laboratory detection limits for the method used

Bold = Concentration detected, but less than MTCA Method A Soil Cleanup Level for Unrestricted Land Use

Bold and shaded = Concentration greater than MTCA Method A Soil Cleanup Level for Unrestricted Land Use

Table 11
Summary of Soil Sample Analytical Results for
Work Area 4 (in mg/kg)
Interim Action and Data Gaps Investigation
Whitney's Chevrolet
123 Pioneer Ave
Montesano, Washington

Sample I.D.	Final Performance Sample	GRPH ^(a)	DRPH ^(b)	ORPH ^(b)	Benzene ^(c)	Toluene ^(c)	Ethylbenzene ^(c)	Total Xylenes ^(c)	PCE ^(c)	Total Lead ^(d)	Total Naphthalenes ^(c)
Performance Samples											
WA4-SW1:6.5	Yes	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	<0.02	21	<0.03
WA4-SW2:6.5	Yes	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	<0.02	NA	NA
WA4-SW3:6.5	Yes	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	<0.02	NA	NA
WA4-SW4:7	Yes	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	<0.02	NA	NA
WA4-SW5:4	Yes	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	<0.02	NA	NA
WA4-B1:8	Yes	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	<0.02	<5.0	<0.03
WA4-Dup-1	-	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	NA	NA	NA
Excavated Soil Stockpile											
WA4-SP-1	-	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	<0.02	NA	NA
WA4-SP-2	-	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	NA	NA	NA
WA4-SP-3	-	<10	<25	<40	<0.02	<0.03	<0.03	<0.03	NA	NA	NA
MTCA Method A Soil Cleanup Level for Unrestricted Land Use		30 (when benzene is detected)	2,000	2,000	0.03	7	6	9	0.05	250	5

Notes:

(a) Analyzed for gasoline-range petroleum hydrocarbons (GRPH) using Ecology Method NWTPH-Gx

(b) Analyzed for diesel-range petroleum hydrocarbons (DRPH) and oil-range petroleum hydrocarbons (ORPH) using Ecology Method NWTPH-Dx extended

(c) Analyzed for volatile organic compounds (VOCs) using EPA Method 8260C

(d) Analyzed for lead using EPA Method 7421

B = bottom of excavation soil, SW = sidewall soil sample, WA = work area, Dup = duplicate sample of proceeding sample, SP = soil pile

PCE = Tetrachloroethane

NA = Not analyzed

Bold = Concentration detected, but less than MTCA Method A Soil Cleanup Level for Unrestricted Land Use

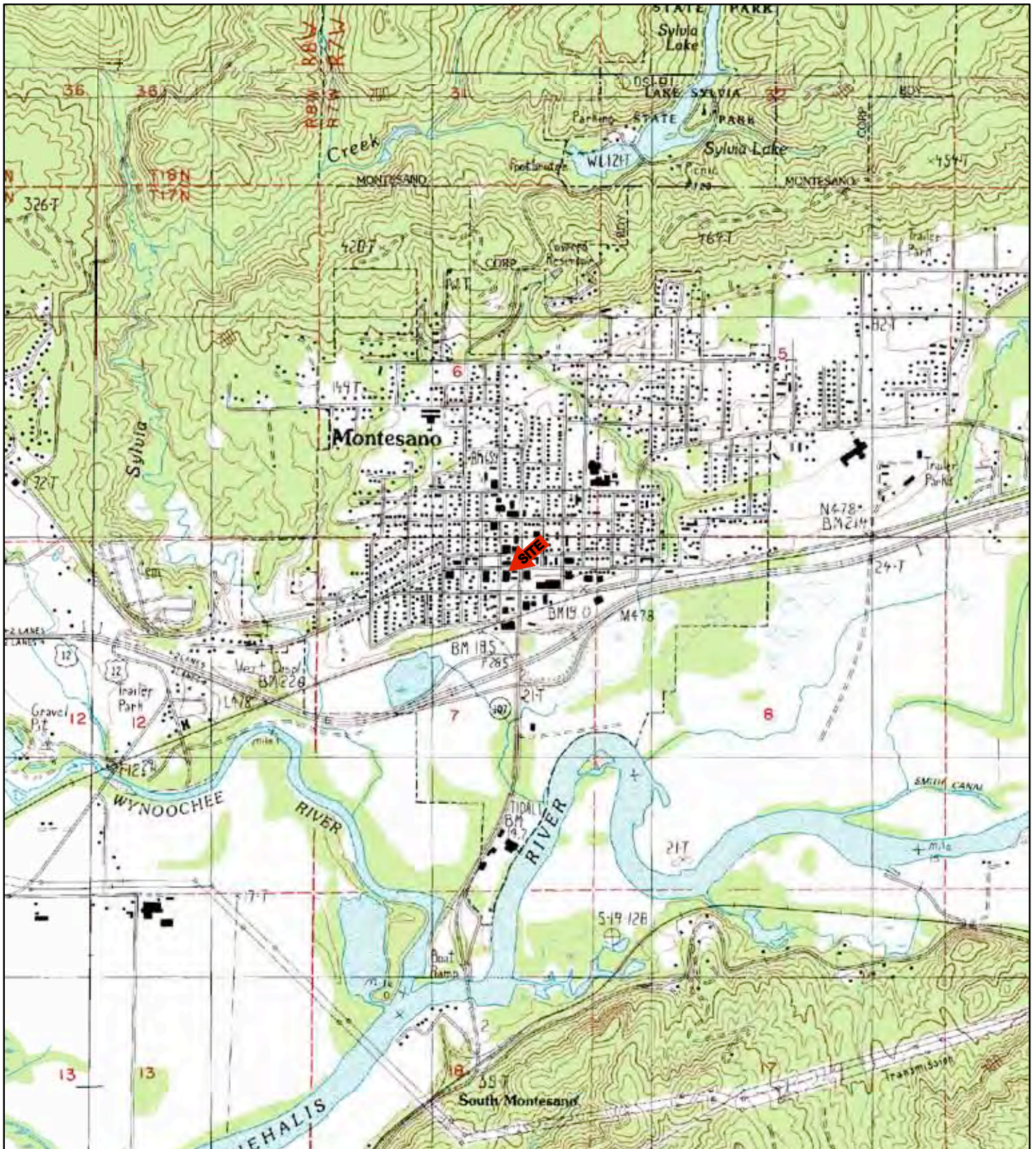
Bold and shaded = Concentration greater than MTCA Method A Soil Cleanup Level for Unrestricted Land Use

Table 12
Summary of Depth to Water and Ground Water Elevation Data For
Whitney's Chevrolet and Tony's Short Stop Sites
Interim Action and Data Gaps Investigation
Whitney's Chevrolet
123 Pioneer Ave
Montesano, Washington

Well ID	PVC Casing Elevation ^(a)	Ground Elevation	Date	Depth to Water	Water Table Elevation
Monitoring Wells Associated With Whitney's Chevrolet Site					
WCMW-1	39.84	40.41	7/1/08	15.11	24.73
			12/14/09	14.13	25.71
			1/18/10	12.98	26.86
WCMW-1R	40.07	40.46	10/31/11	15.62	24.45
WCMW-2	40.42	40.88	7/1/08	16.42	24.00
			12/14/09	15.42	25.00
			1/18/10	14.46	25.96
			10/31/11	0.01' LNAPL	--
WCMW-3	39.93	40.38	7/1/08	16.26	23.67
			12/14/09	15.27	24.66
			1/18/10	14.36	25.57
			10/31/11	16.53	23.40
WCMW-4	38.95	39.30	7/1/08	16.18	22.77
			12/14/09	15.62	23.33
			1/18/10	15.98	22.97
			10/31/11	16.08	22.87
WCMW-5	37.73	38.25	7/1/08	15.18	22.55
			12/14/09	13.90	23.83
			1/18/10	13.01	24.72
			10/31/11	14.98	22.75
WCMW-6	38.80	39.32	7/1/08	15.73	23.07
			12/14/09	14.76	24.04
			1/18/10	13.88	24.92
			10/31/11	15.91	22.89
WCMW-7	39.85	40.31	10/31/11	15.21	24.64
WCMW-8	40.70	41.14	10/31/11	15.91	24.79
WCMW-9	40.86	41.33	10/31/11	15.66	25.20
WCMW-10	40.82	41.31	10/31/11	15.90	24.92
KBMW-1	39.31	39.69	12/14/09	15.89	23.42
			1/18/10	14.76	24.55
			10/31/11	17.08	22.23
KBMW-2	38.17	38.48	12/14/09	14.31	23.86
			1/18/10	13.45	24.72
			10/31/11	0.05' LNAPL	--
			12/14/09	14.53	22.68
KBMW-3	37.21	37.68	1/18/10	13.93	23.28
			10/31/11	15.61	21.60
			12/14/09	15.09	21.67
KBMW-4	36.76	37.29	1/18/10	14.53	22.23
			10/31/11	Sheen LNAPL	--
			12/14/09	15.97	21.84
KBMW-5	37.81	38.17	1/18/10	15.42	22.39
			10/31/11	16.79	21.02
			12/14/09	16.73	23.42
KBMW-6	40.15	40.52	1/18/10	16.17	23.98
			10/31/11	17.50	22.65
			12/14/09	13.28	22.89
KBMW-7	36.17	36.54	1/18/10	12.53	23.64
			10/31/11	15.21	20.96
			12/14/09	13.98	21.83
KBMW-8	35.81	36.05	1/18/10	13.39	22.42
			10/31/11	16.78	19.03
			12/14/09	14.38	21.46
KBMW-9	35.84	36.27	1/18/10	13.82	22.02
			11/1/11	0.55' LNAPL	--
			12/14/09	13.55	21.41
KBMW-10	34.96	35.42	1/18/10	13.00	21.96
			11/1/11	14.34	20.62
			10/31/11	14.72	20.29
KBMW-11	35.01	35.46	10/31/11	14.72	20.29
KBMW-12	34.16	34.55	10/31/11	13.94	20.22
ESMW-1	40.82	41.24	12/14/09	15.03	25.79
			1/18/10	13.96	26.86
			10/31/11	16.30	24.52
ESMW-7	35.59	36.05	12/14/09	14.07	21.52
			1/18/10	13.54	22.05
			10/31/11	14.86	20.73
Monitoring Wells Associated With Tony's Short Stop Site (315 South Main Street, Montesano, WA)					
TSSMW-1	32.33	32.42	1/18/10	10.62	21.71
TSSMW-2	31.94	32.55	1/18/10	10.56	21.38
TSSMW-3	32.87	33.41	1/18/10	11.40	21.47
TSSMW-4	31.07	31.54	1/18/10	0.08' LNAPL	--
TSSMW-5	32.63	33.07	1/18/10	11.16	21.47
TSSMW-6	33.97	34.24	1/18/10	12.31	21.66
TSSMW-7	35.04	35.49	1/18/10	13.23	21.81
			10/31/11	15.57	19.47
TSSMW-8	34.52	34.81	1/18/10	13.02	21.50
			10/31/11	14.31	20.21
TSSMW-9	35.36	35.77	1/18/10	13.38	21.98
			11/1/11	14.75	20.61
TSSMW-10	--	31.49	1/18/10	--	--
TSSMW-11	30.03	30.27	1/18/10	9.07	20.96
TSSMW-12	32.98	33.45	1/18/10	11.55	21.43
			10/31/11	13.94	19.04
TSSMW-13	34.80	35.12	1/18/10	13.34	21.46

(a) Measurement collected from the north side of the well casing
Survey of WCMW-1 through WCMW-6 completed July 3, 2008 by Duane Hartman & Associates (DHA)
Survey of KBMW-1 through KBMW-10, ESMW-1 and ESMW-7 completed December 14, 2009 by DHA
Survey of TSS1 through TSS13 completed January 18, 2010 by DHA
Survey of WCMW-1R, WCMW-7 through WCMW-10, KBMW-11, and KBMW-12 completed on November 14, 2011 by DHA
TSSMW-10 was not accessible at the time of the survey. Therefore, vertical data was not obtained.
Coordinate System and Zone: Washington State Plane, North Zone coordinates
Horizontal Datum: NAD 83(91) US feet (horizontal accuracy: 0.1')
Vertical Datum: NAVD'88 (vertical accuracy 0.01')
TSSMW prefix indicates data was obtained from wells pertaining to the Tony's Short Stop site.

Figures



KEY:

SOURCE: USGS 7.5 MINUTE QUADRANGLE (TOPOGRAPHIC)

MONTESANO, WASH. 1983; REVISED 1986

CENTRAL PARK, WASH. 1983; REVISED 1986

WYNOOCHEE VALLEY SW, WASH. 1987; REVISED 1990

PRICES PEAK, WASHINGTON 1987; REVISED 1990

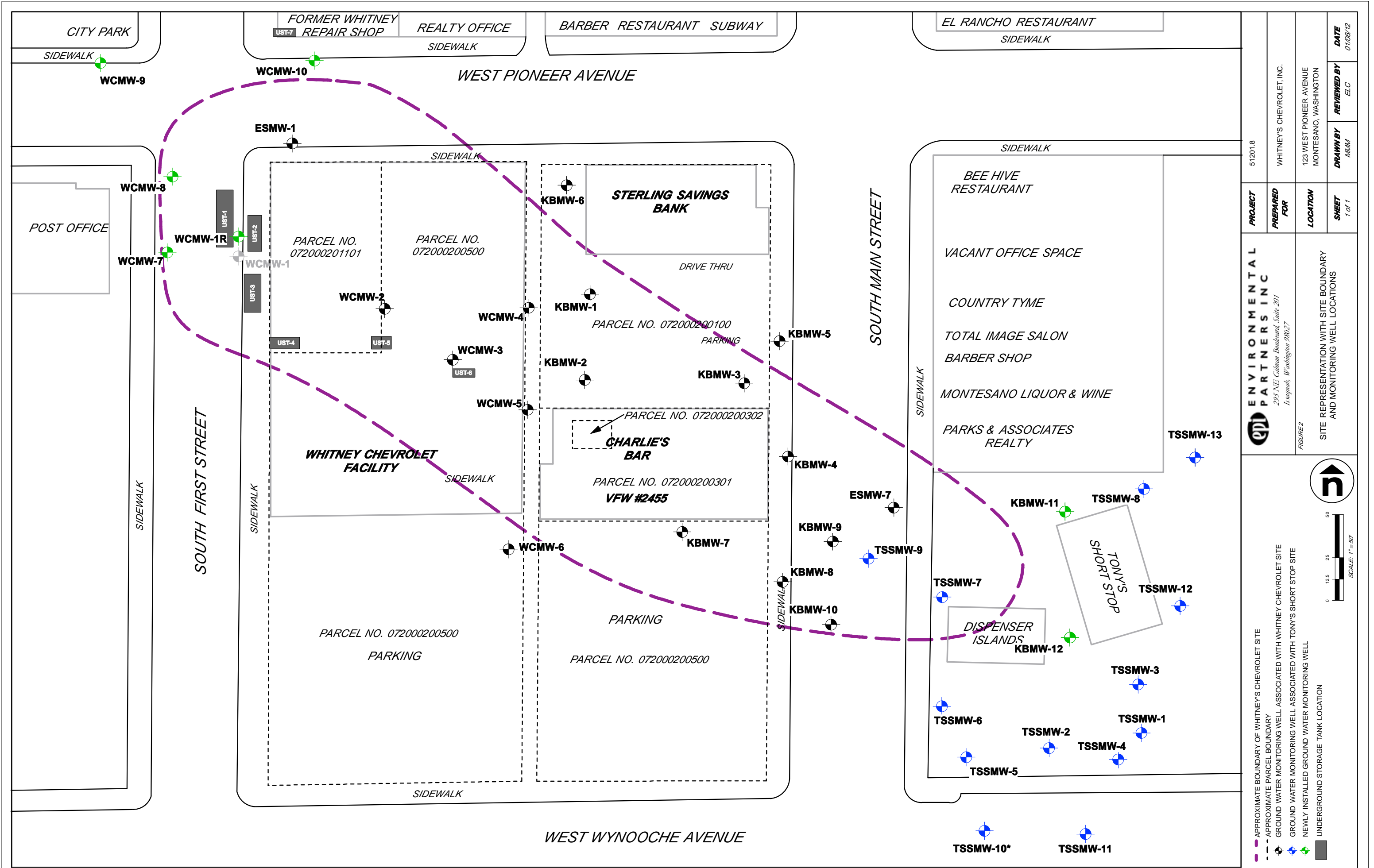


SCALE: 1:24,000

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FIGURE 1
 GENERAL VICINITY MAP

PROJECT	51201.8		
PREPARED FOR	WHITNEY'S CHEVROLET, INC.		
LOCATION	MONTESANO, WASHINGTON		
SHEET	DRAWN BY	REVIEWED BY	DATE
1 of 1	MMM	ELC	01/06/12



PROJECT	51201.8
PREPARED FOR	WHITNEY'S CHEVROLET, INC.
LOCATION	123 WEST PIONEER AVENUE MONTESANO, WASHINGTON
SHEET	1 of 1
DRAWN BY	M/M/M
REVIEWED BY	ELC
DATE	01/06/12

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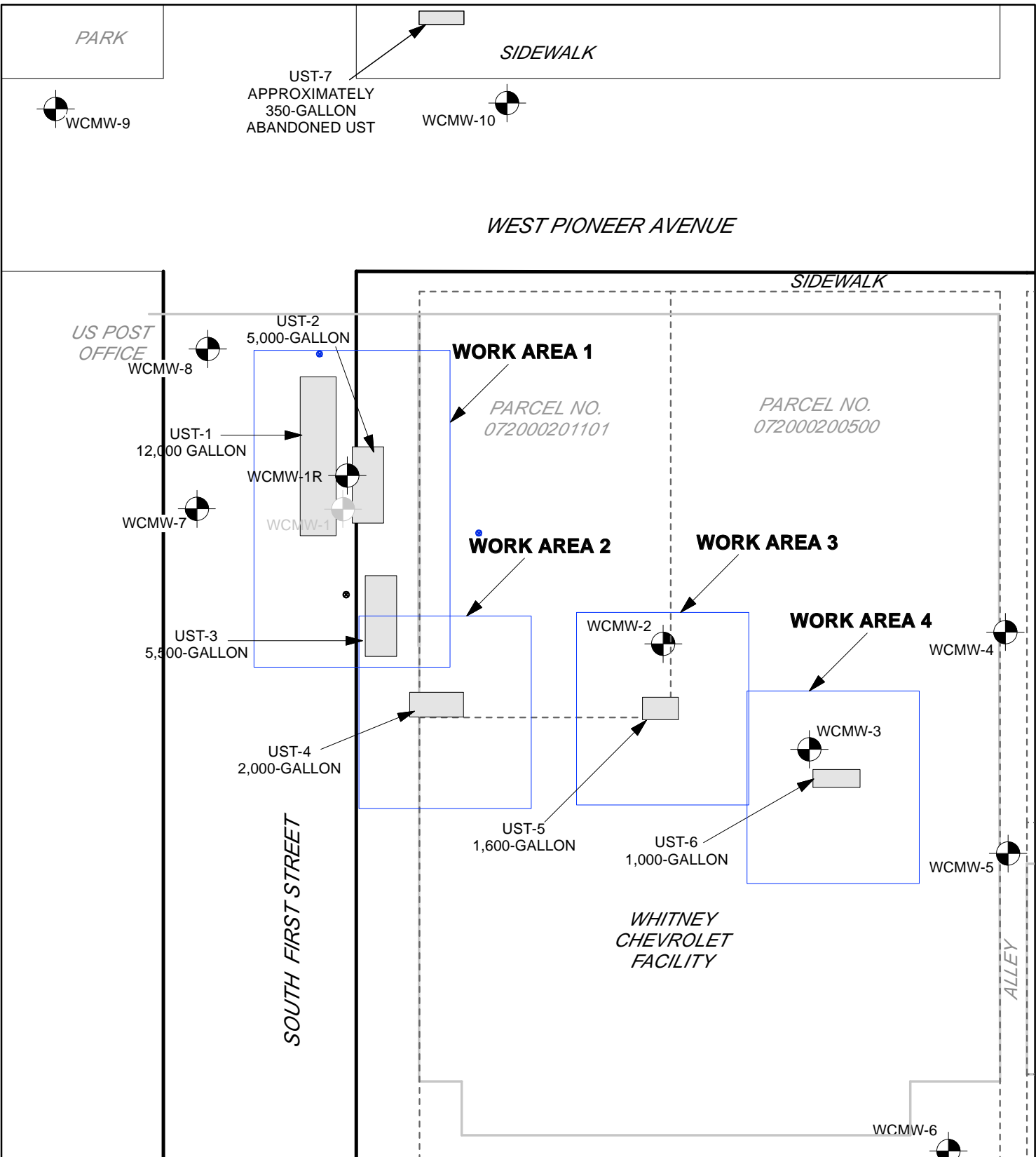
FIGURE 2
 SITE REPRESENTATION WITH SITE BOUNDARY AND MONITORING WELL LOCATIONS

SCALE: 1" = 50'

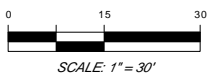
0 12.5 25 50

Legend:

- APPROXIMATE BOUNDARY OF WHITNEY'S CHEVROLET SITE
- APPROXIMATE PARCEL BOUNDARY
- GROUND WATER MONITORING WELL ASSOCIATED WITH WHITNEY CHEVROLET SITE
- GROUND WATER MONITORING WELL ASSOCIATED WITH TONY'S SHORT STOP SITE
- NEWLY INSTALLED GROUND WATER MONITORING WELL
- UNDERGROUND STORAGE TANK LOCATION



- APPROXIMATE PARCEL BOUNDARY
- EXISTING UST LOCATION
- ⊙ EXISTING GROUND WATER MONITOR WELL LOCATION



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FIGURE 3

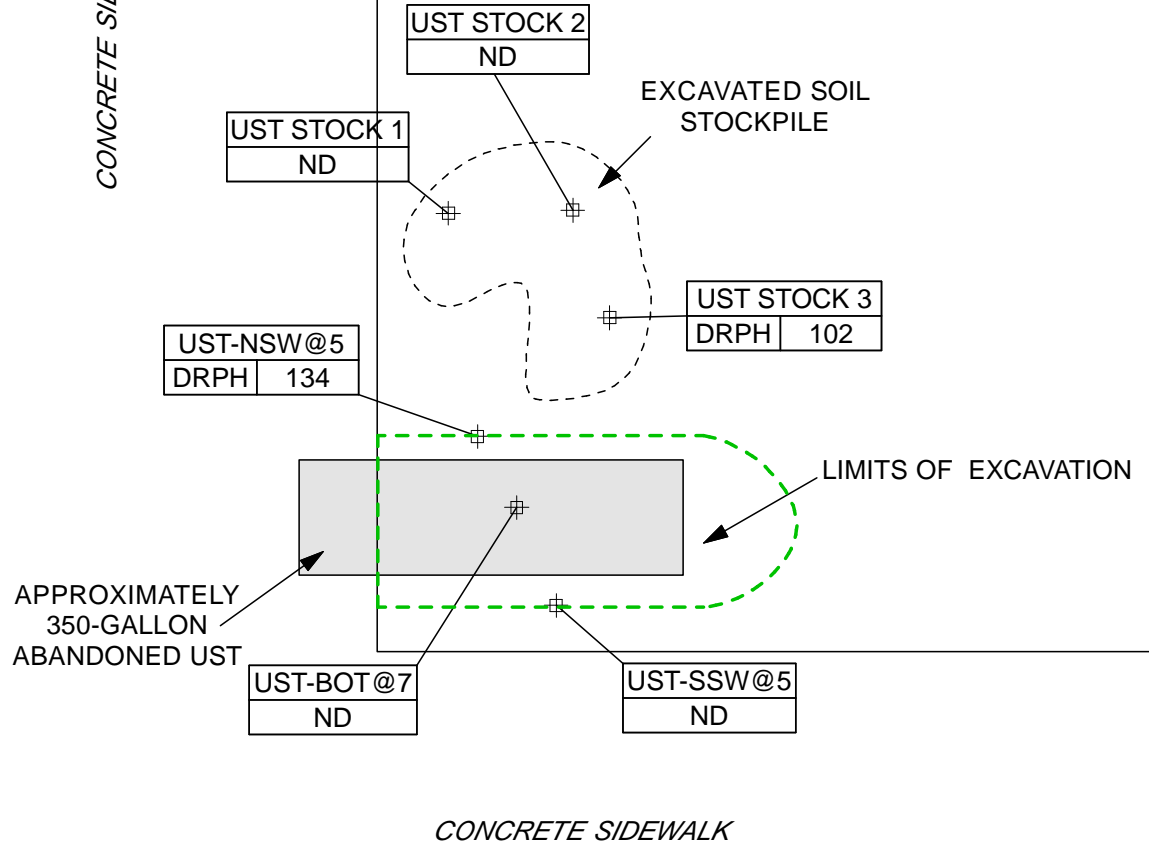
SITE PLAN WITH
INTERIM ACTION WORK AREAS
AND UST LOCATIONS

PROJECT	51201.8		
PREPARED FOR	WHITNEY'S CHEVROLET, INC.		
LOCATION	123 WEST PIONEER AVENUE MONTESANO, WASHINGTON		
SHEET	DRAWN BY	REVIEWED BY	DATE
1 of 1	MMM	ELC	01/06/12

SOUTH FIRST STREET

CONCRETE SIDEWALK

GRAVEL LOT
(FORMER LOCATION OF
WHITNEY'S AUTO BODY
REPAIR FACILITY)



CONCRETE SIDEWALK

WEST PIONEER AVENUE

UST-NSW@5	SAMPLE IDENTIFICATION
DRPH 134	DETECTED COMPOUNDS (IN mg/kg)

COMPOUNDS NOT DETECTED ABOVE THEIR RESPECTIVE METHOD DETECTION LIMIT ARE NOT SHOWN

APPROXIMATE FINAL LIMITS OF EXCAVATION

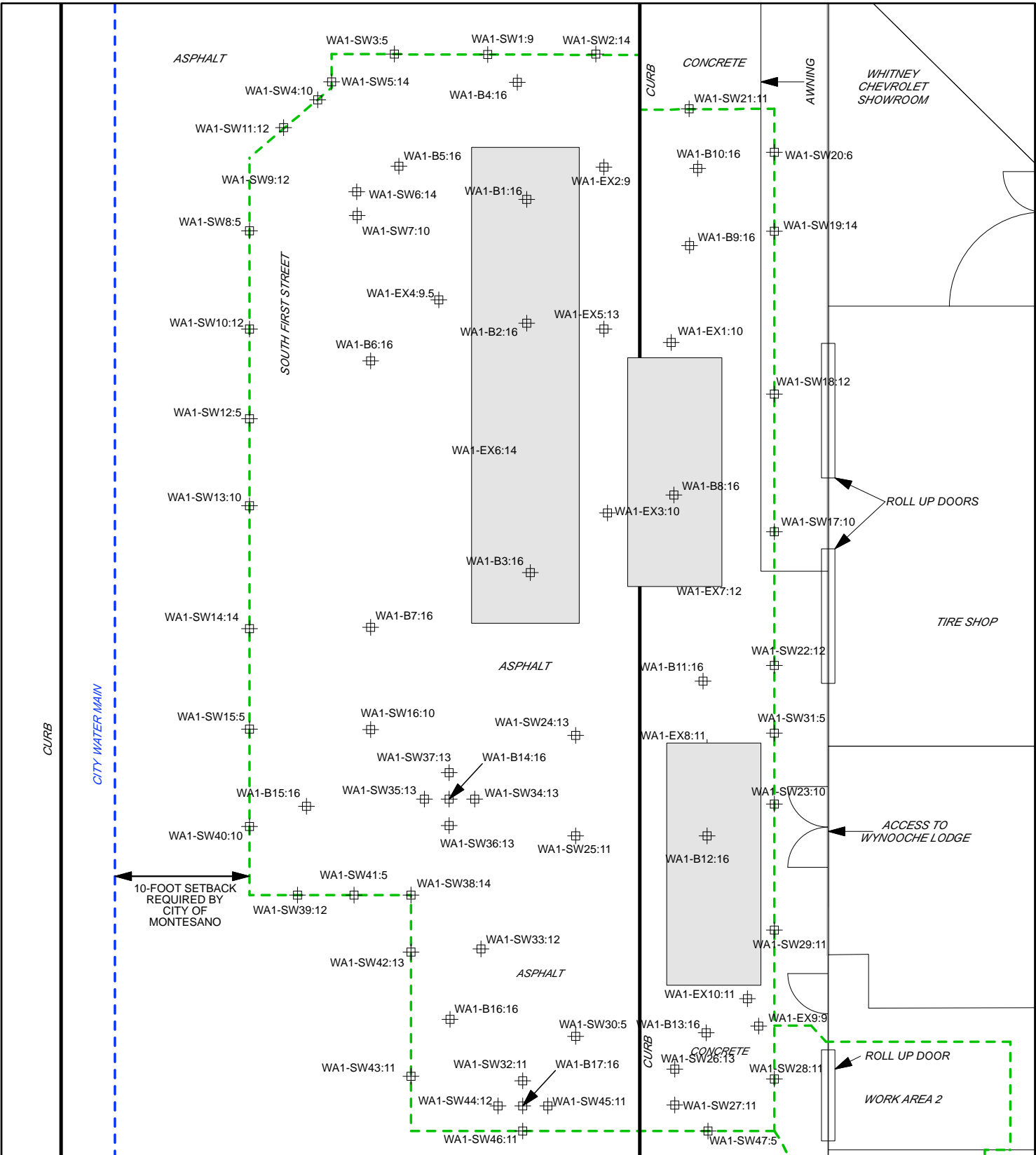
UST ASSESSMENT SOIL SAMPLE LOCATION



SCALE: 1" = 5'

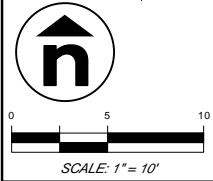
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FIGURE 4
SITE PLAN WITH LOCATIONS OF SOIL SAMPLES COLLECTED FROM UST-7

PROJECT	51201.8		
PREPARED FOR	WHITNEY'S CHEVROLET, INC.		
LOCATION	124 WEST PIONEER AVENUE MONTESANO, WASHINGTON		
SHEET	DRAWN BY	REVIEWED BY	DATE
1 of 1	MMM	ELC	01/06/12



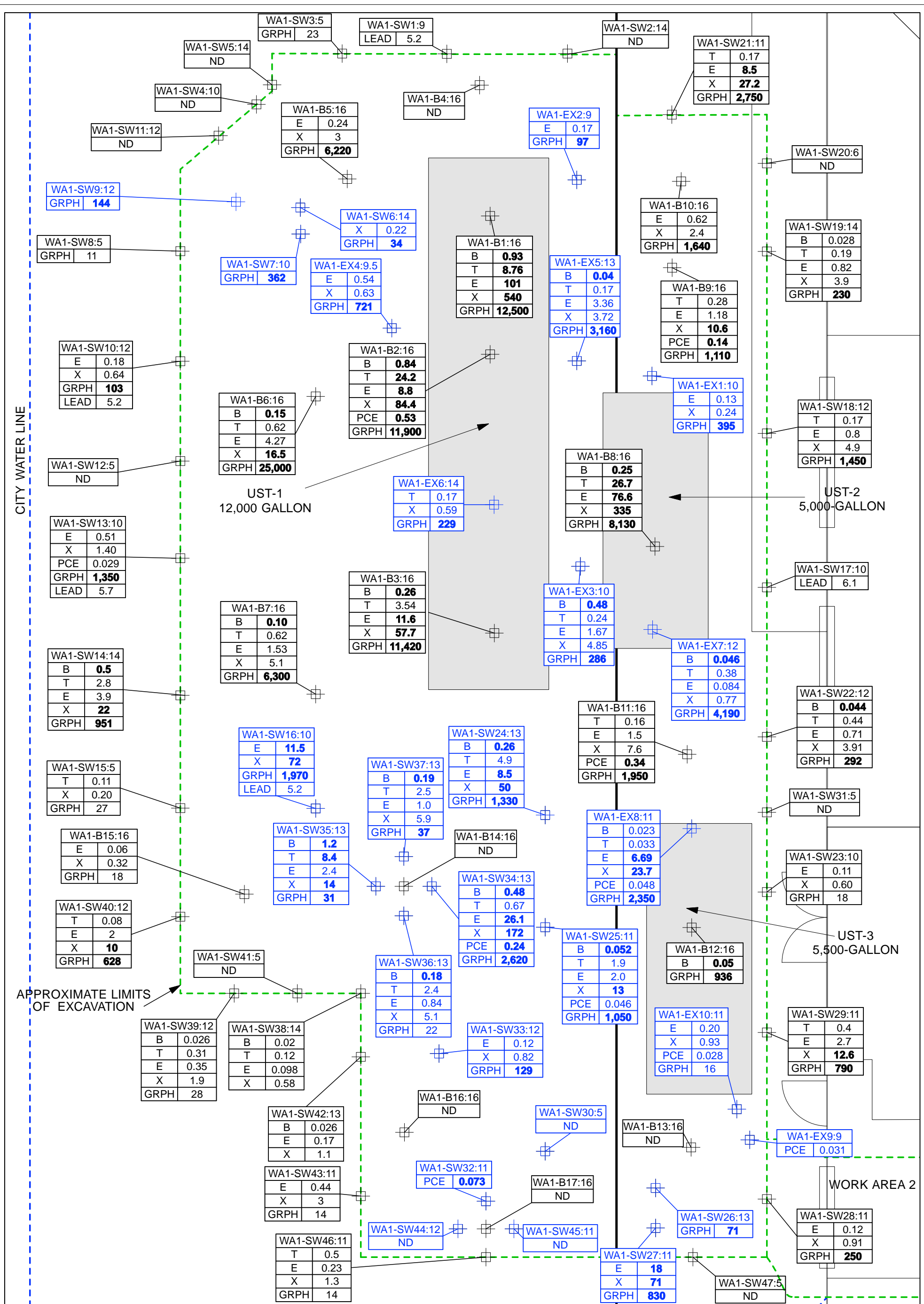
 APPROXIMATE FINAL LIMITS OF EXCAVATION
 SOIL SAMPLE LOCATION



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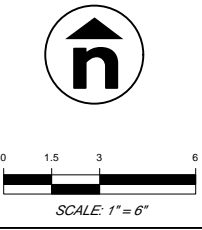
FIGURE 5
 WORK AREA 1 - SOIL SAMPLE LOCATIONS AND FINAL LIMITS OF EXCAVATION

PROJECT	51201.8			
PREPARED FOR	WHITNEY'S CHEVROLET, INC.			
LOCATION	123 WEST PIONEER AVENUE MONTESANO, WASHINGTON			
SHEET	DRAWN BY	REVIEWED BY	DATE	
1 of 1	MMM	ELC	01/06/12	



KEY:

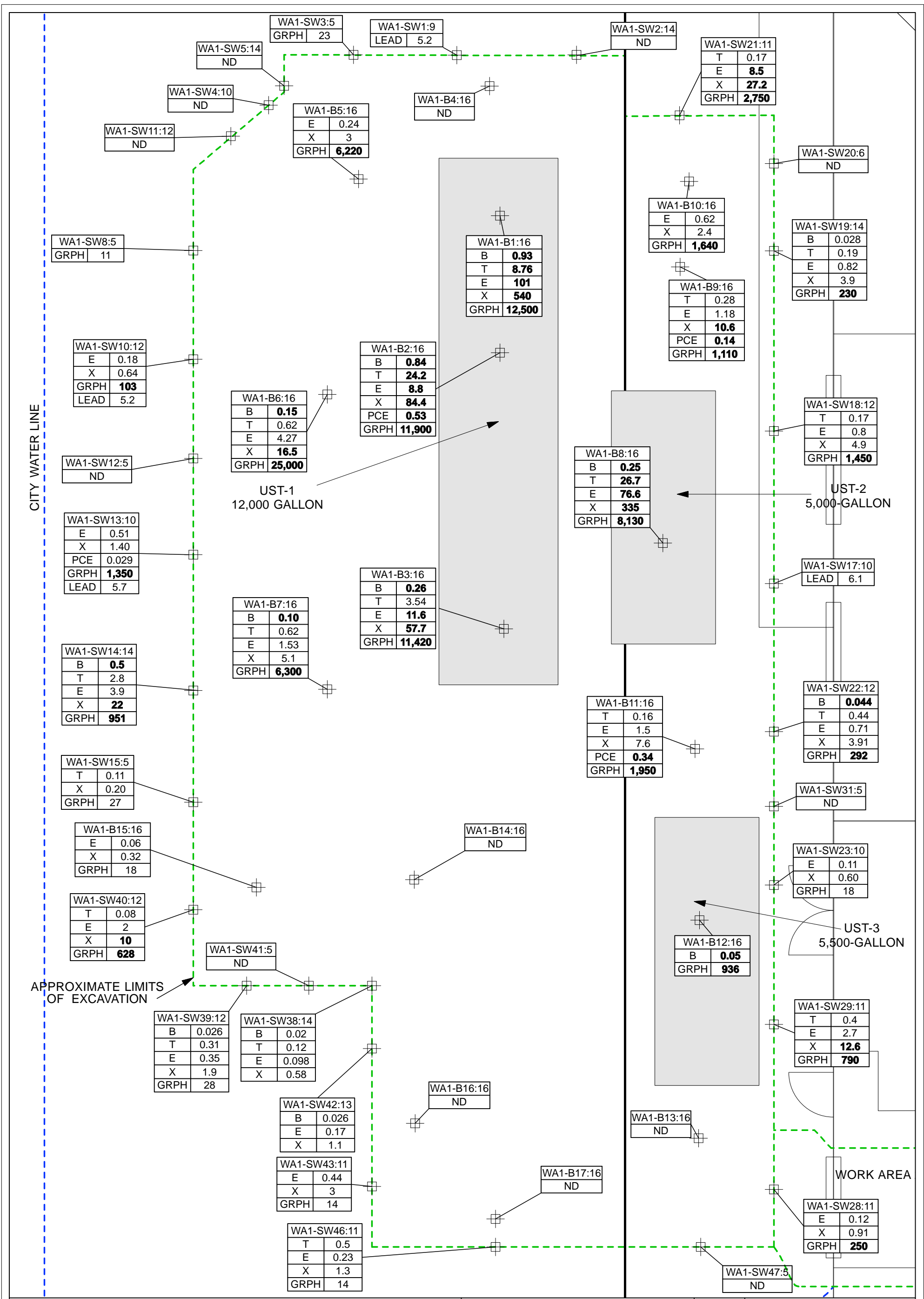
- + PERFORMANCE AND EXPLORATORY SOIL SAMPLE LOCATION
- + FINAL PERFORMANCE SOIL SAMPLE LOCATION
- WA1-SW13:10 — SAMPLE IDENTIFICATION
- E 0.51
- X 1.4
- PCE 0.029
- GRPH **1,350**
- LEAD 5.7
- DETECTED COMPOUNDS (IN mg/kg), **BOLD** CONCENTRATION INDICATES COMPOUND EXCEEDS MTCA METHOD A CLEANUP LEVEL
- ND - INDICATES NO COMPOUNDS WERE DETECTED ABOVE THEIR RESPECTIVE METHOD DETECTION LIMITS



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FIGURE 6
 WORK AREA 1 - PERFORMANCE SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS

PROJECT	51201.8
PREPARED FOR	WHITNEY'S CHEVROLET, INC.
LOCATION	123 WEST PIONEER AVENUE MONTESANO, WASHINGTON
SHEET	1 of 1
DRAWN BY	MMM
REVIEWED BY	ELC
DATE	01/06/12



KEY:

FINAL PERFORMANCE SOIL SAMPLE LOCATION

WA1-SW13:10	SAMPLE IDENTIFICATION	
E	0.51	
X	1.4	
PCE	0.029	
GRPH	1,350	DETECTED COMPOUNDS (IN mg/kg), BOLD
LEAD	5.7	CONCENTRATION INDICATES COMPOUND EXCEEDS MTCA METHOD A CLEANUP LEVEL

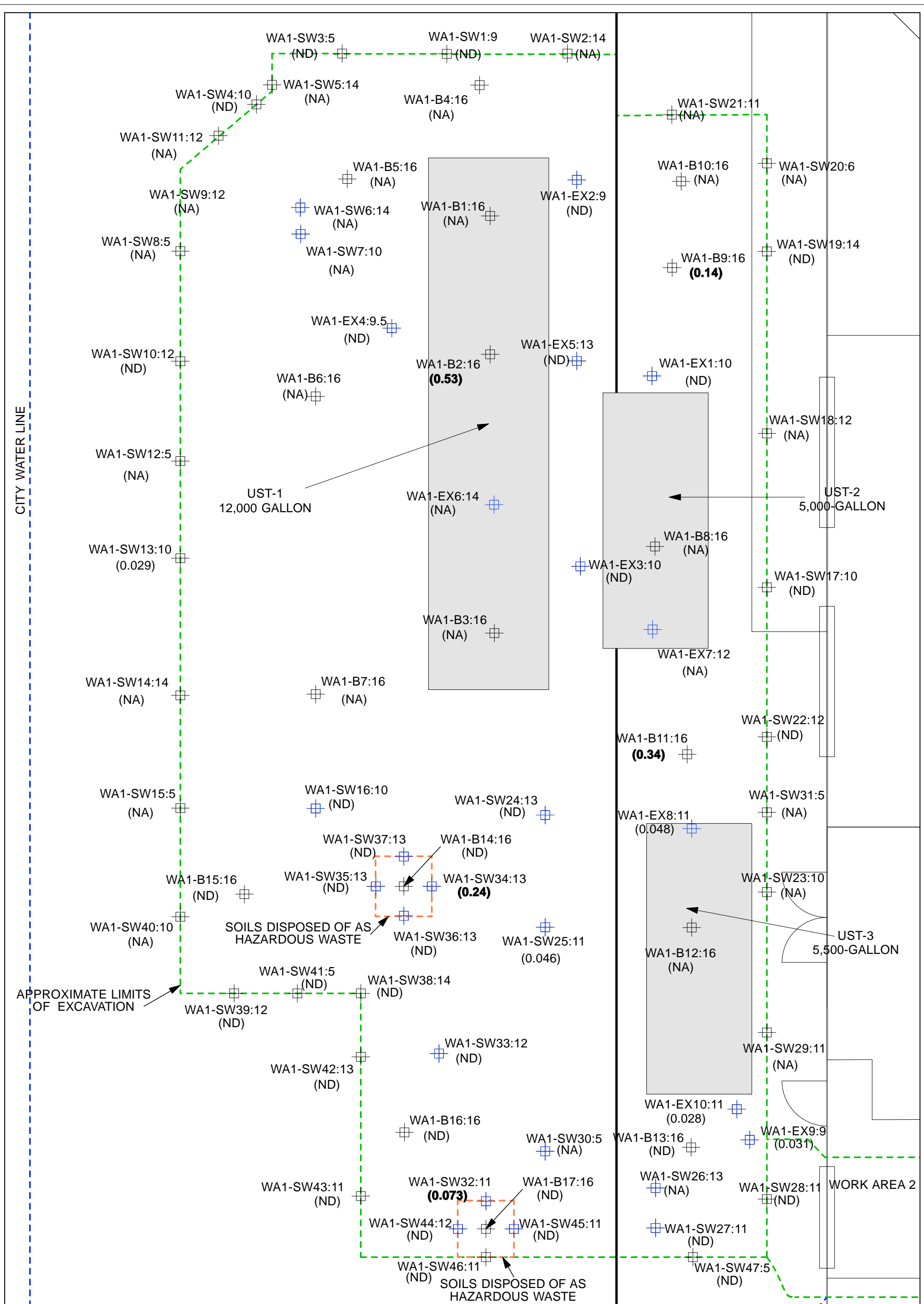
SCALE: 1" = 6"

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FIGURE 7

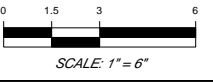
WORK AREA 1 - FINAL PERFORMANCE SOIL SAMPLES AND ANALYTICAL RESULTS

PROJECT	51201.8			
PREPARED FOR	WHITNEY'S CHEVROLET, INC.			
LOCATION	123 WEST PIONEER AVENUE MONTESANO, WASHINGTON			
SHEET	DRAWN BY	REVIEWED BY	DATE	
1 of 1	MMM	ELC	01/06/12	



KEY:

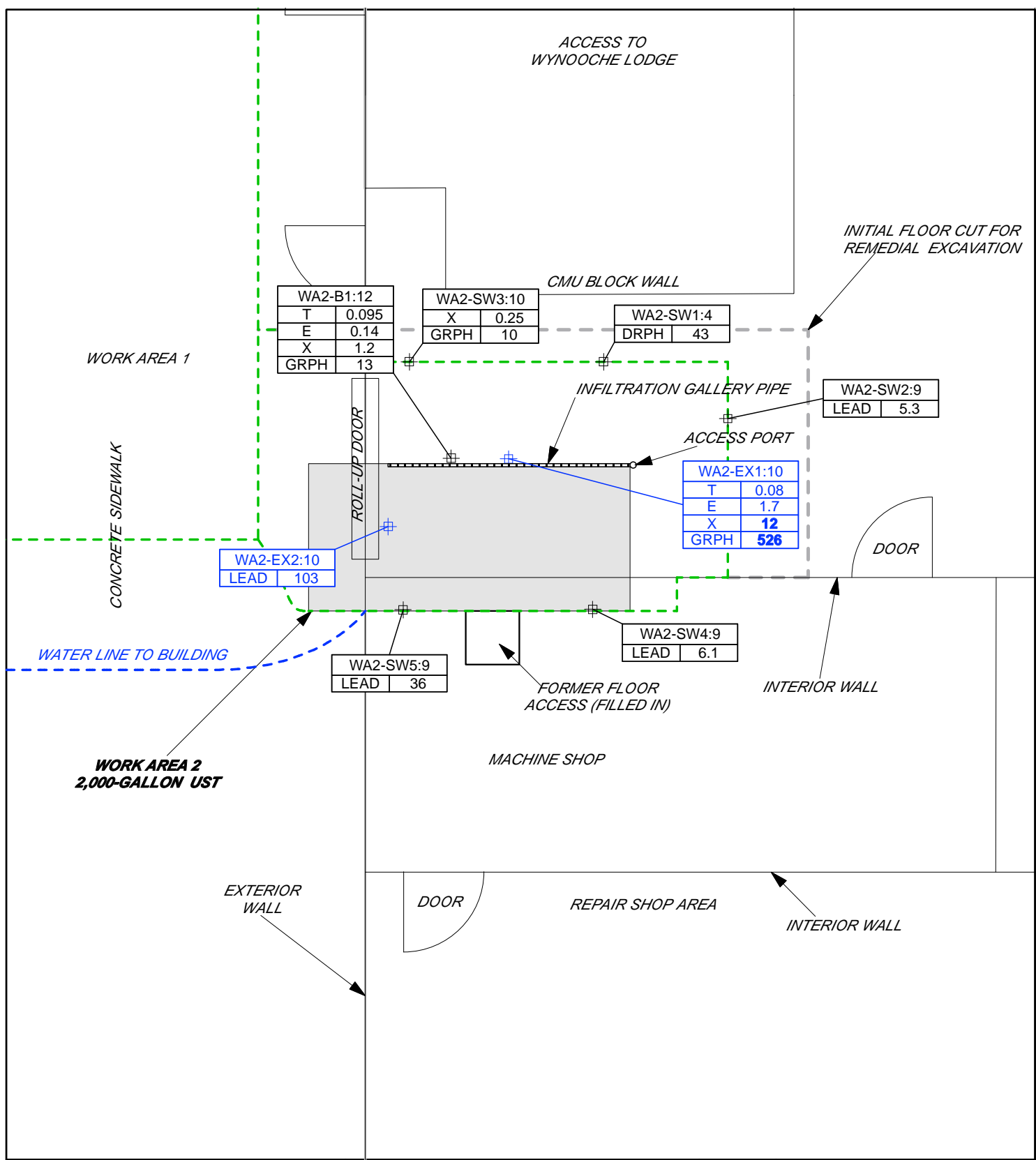
DETECTED PCE CONCENTRATIONS (IN mg/kg). **BOLD** CONCENTRATION INDICATES PCE CONCENTRATION EXCEEDS MTCA METHOD A CLEANUP LEVEL
 ND - INDICATES PCE WAS NOT DETECTED ABOVE THE METHOD DETECTION LIMITS
 NA - INDICATES PCE WAS ANALYZED
 PERFORMANCE AND EXPLORATORY SOIL SAMPLE LOCATION
 FINAL PERFORMANCE SOIL SAMPLE LOCATION
 APPROXIMATE FINAL LIMITS OF EXCAVATION
 APPROXIMATE LIMITS OF EXCAVATED HAZARDOUS WASTE SOIL



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FIGURE 8
 WORK AREA 1 - PERFORMANCE SOIL SAMPLE LOCATIONS AND PCE ANALYTICAL RESULTS

PROJECT	51201.8			
PREPARED FOR	WHITNEY'S CHEVROLET, INC.			
LOCATION	123 WEST PIONEER AVENUE MONTESANO, WASHINGTON			
SHEET	DRAWN BY	REVIEWED BY	DATE	
1 of 1	MMM	ELC	01/06/12	



WA2-B1:12	
T	0.095
E	0.14
X	1.2
GRPH	13

WA2-SW3:10	
X	0.25
GRPH	10

WA2-SW1:4	
DRPH	43

WA2-SW2:9	
LEAD	5.3

WA2-EX1:10	
T	0.08
E	1.7
X	12
GRPH	526

WA2-EX2:10	
LEAD	103

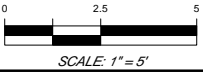
WA2-SW5:9	
LEAD	36

WA2-SW4:9	
LEAD	6.1

WA2-EX1:10	
T	0.08
E	1.7
X	12
GRPH	526

SAMPLE IDENTIFICATION
 DETECTED COMPOUNDS (IN mg/kg). **BOLD** CONCENTRATION INDICATES COMPOUND EXCEEDS MTCA METHOD A CLEANUP LEVEL
 COMPOUNDS NOT DETECTED ABOVE THEIR RESPECTIVE METHOD DETECTION LIMIT ARE NOT SHOWN

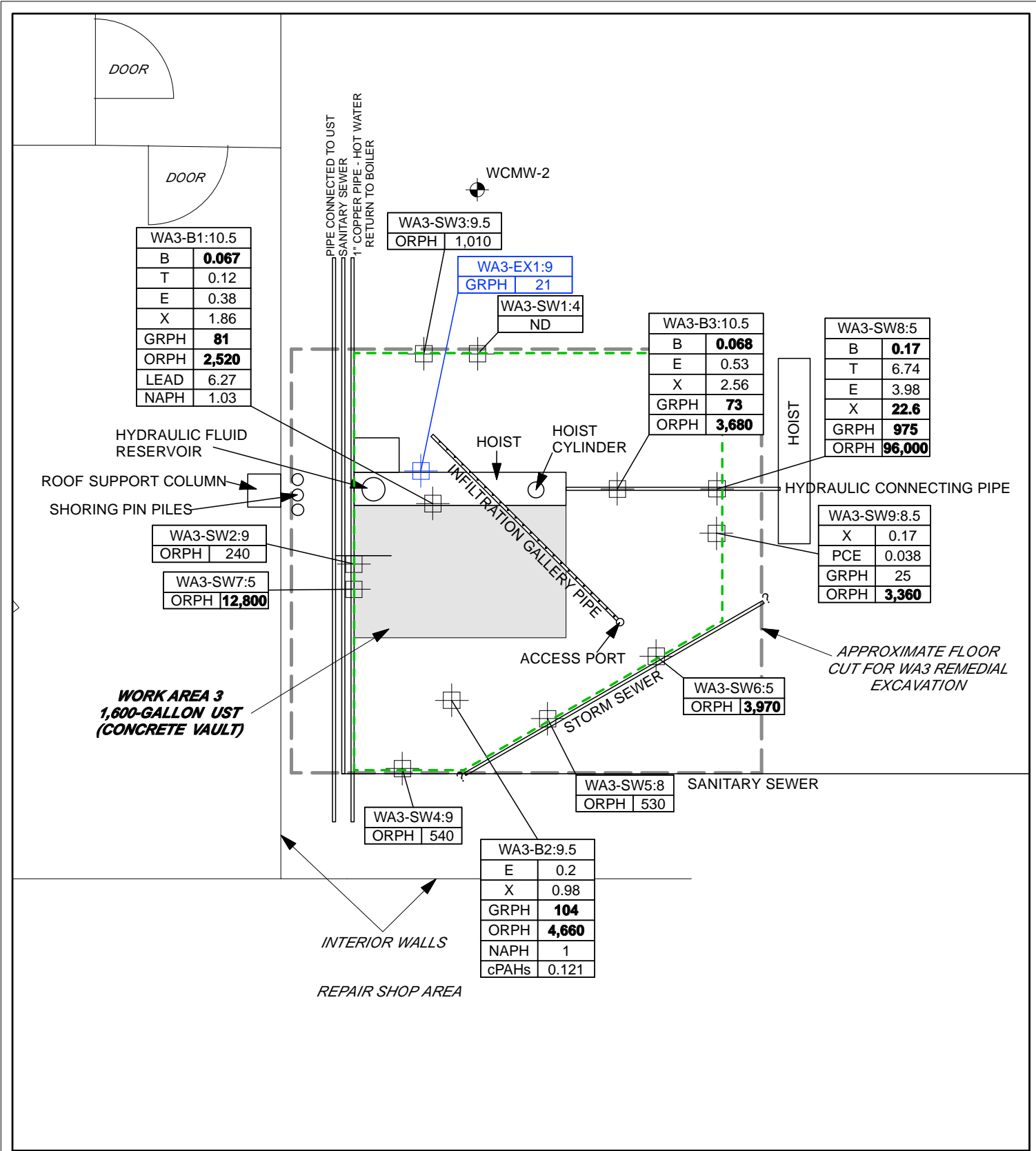
- APPROXIMATE FINAL LIMITS OF EXCAVATION
- SOIL SAMPLE LOCATION (EXCAVATED)
- FINAL PERFORMANCE SOIL SAMPLE LOCATION



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FIGURE 9
 WORK AREA 2 - LIMITS OF EXCAVATION AND PERFORMANCE SOIL SAMPLE RESULTS

PROJECT	51201.8		
PREPARED FOR	WHITNEY'S CHEVROLET, INC.		
LOCATION	123 WEST PIONEER AVENUE MONTESANO, WASHINGTON		
SHEET	DRAWN BY	REVIEWED BY	DATE
1 of 1	MMM	ELC	01/06/12



WA3-B1:10.5	
B	0.067
T	0.12
E	0.38
X	1.86
GRPH	81
ORPH	2,520
LEAD	6.27
NAPH	1.03

WA3-SW3:9.5	
ORPH	1,010

WA3-EX1:9	
GRPH	21

WA3-SW1:4	
ND	

WA3-B3:10.5	
B	0.068
E	0.53
X	2.56
GRPH	73
ORPH	3,680

WA3-SW8:5	
B	0.17
T	6.74
E	3.98
X	22.6
GRPH	975
ORPH	96,000

WA3-SW2:9	
ORPH	240

WA3-SW7:5	
ORPH	12,800

WA3-SW9:8.5	
X	0.17
PCE	0.038
GRPH	25
ORPH	3,360

WA3-SW6:5	
ORPH	3,970

WA3-SW5:8	
ORPH	530

WA3-SW4:9	
ORPH	540

WA3-B2:9.5	
E	0.2
X	0.98
GRPH	104
ORPH	4,660
NAPH	1
cPAHs	0.121

**WORK AREA 3
1,600-GALLON UST
(CONCRETE VAULT)**

APPROXIMATE FLOOR CUT FOR WA3 REMEDIAL EXCAVATION

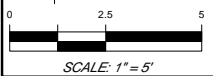
INTERIOR WALLS

REPAIR SHOP AREA

WA3-SW9:8.5	
X	0.17
PCE	0.038
GRPH	25
ORPH	3,360

— SAMPLE IDENTIFICATION
 DETECTED COMPOUNDS (IN mg/kg). **BOLD** CONCENTRATION INDICATES COMPOUND EXCEEDS MTCA METHOD A CLEANUP LEVEL
 COMPOUNDS NOT DETECTED ABOVE THEIR RESPECTIVE METHOD DETECTION LIMIT ARE NOT SHOWN

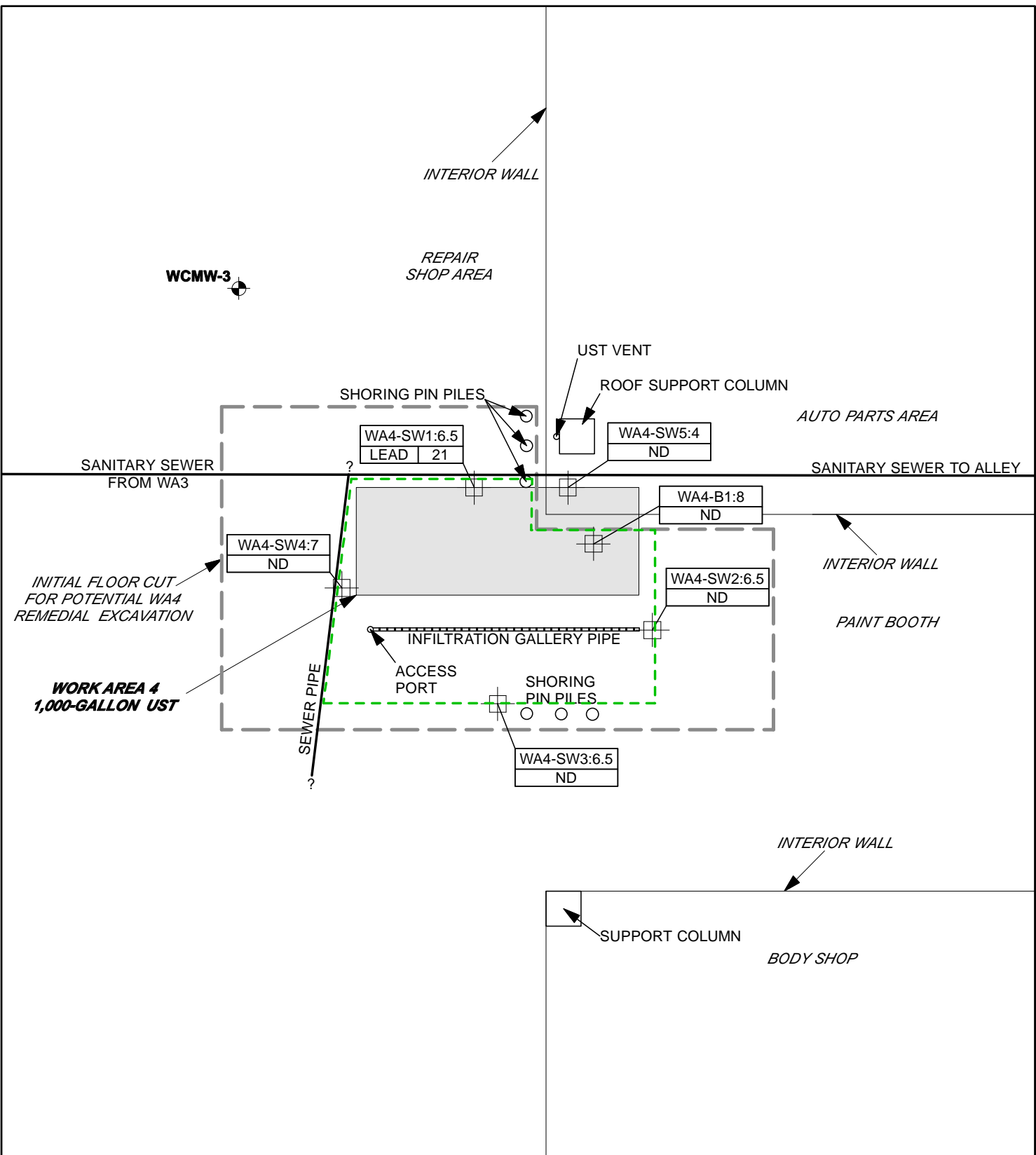
- APPROXIMATE FINAL LIMITS OF EXCAVATION
- + SOIL SAMPLE LOCATION (EXCAVATED)
- + FINAL PERFORMANCE SOIL SAMPLE LOCATION



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FIGURE 10
 WORK AREA 3 - LIMITS OF EXCAVATION AND PERFORMANCE SOIL SAMPLE RESULTS

PROJECT	51201.8
PREPARED FOR	WHITNEY'S CHEVROLET, INC.
LOCATION	123 WEST PIONEER AVENUE MONTESANO, WASHINGTON
SHEET	DRAWN BY REVIEWED BY DATE
1 of 1	MMM ELC 01/06/12



WA4-SW1:6.5
LEAD 21

SAMPLE IDENTIFICATION
 DETECTED COMPOUNDS (IN mg/kg). **BOLD** CONCENTRATION INDICATES COMPOUND EXCEEDS MTCA METHOD A CLEANUP LEVEL

COMPOUNDS NOT DETECTED ABOVE THEIR RESPECTIVE METHOD DETECTION LIMIT ARE NOT SHOWN

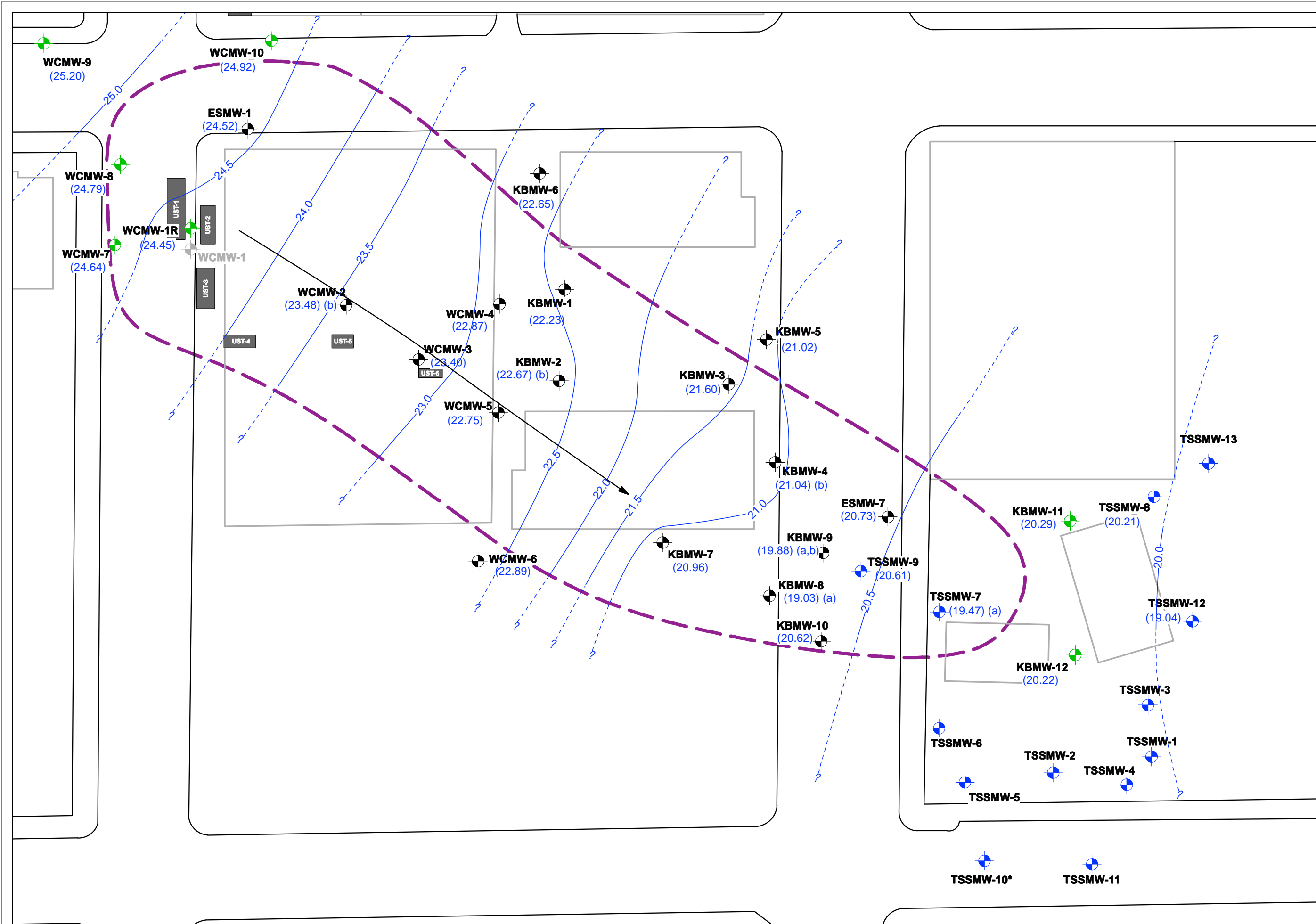
APPROXIMATE FINAL LIMITS OF EXCAVATION
 FINAL PERFORMANCE SOIL SAMPLE LOCATION

SCALE: 1" = 5'

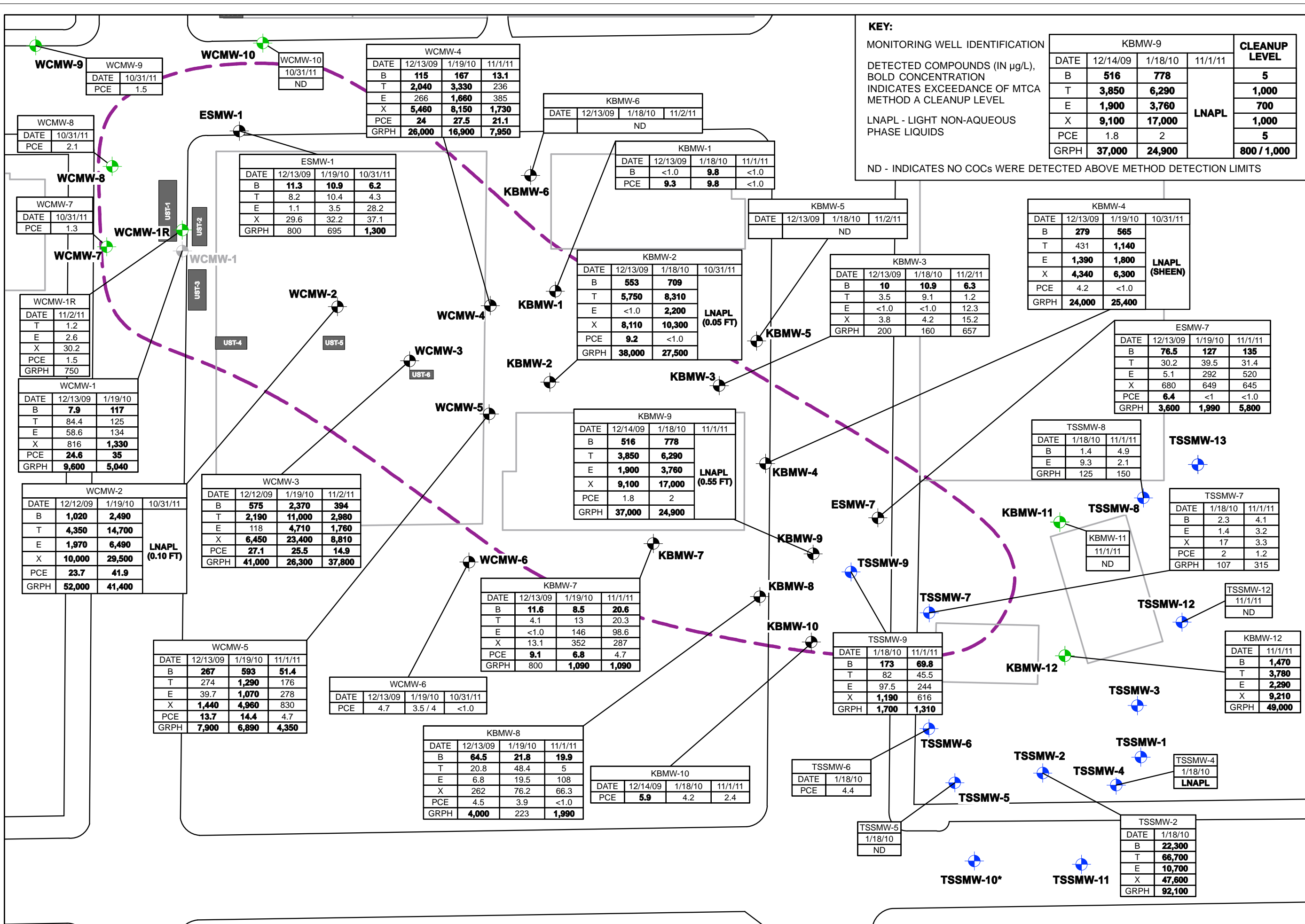
ENVIRONMENTAL PARTNERS INC
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FIGURE 11
 WORK AREA 4 - LIMITS OF EXCAVATION AND PERFORMANCE SOIL SAMPLE RESULTS

PROJECT	51201.8		
PREPARED FOR	WHITNEY'S CHEVROLET, INC.		
LOCATION	123 WEST PIONEER AVENUE MONTESANO, WASHINGTON		
SHEET	DRAWN BY	REVIEWED BY	DATE
1 of 1	MMM	ELC	01/06/12



 ENVIRONMENTAL PARTNERS INC. 295 NE Gilman Boulevard, Suite 201 Issaquah, Washington 98027	PROJECT 51201.8	PREPARED FOR WHITNEY'S CHEVROLET, INC.	LOCATION MONTESANO, WASHINGTON	DATE 01/06/12
	SHEET 1 of 1	DRAWN BY M/M/M	REVIEWED BY E/LC	DATE 01/06/12
FIGURE 12 WATER TABLE PIEZOMETRIC CONTOURS FOR OCTOBER/NOVEMBER 2011				



KEY:
 MONITORING WELL IDENTIFICATION
 DETECTED COMPOUNDS (IN µg/L),
 BOLD CONCENTRATION
 INDICATES EXCEEDANCE OF MTCA
 METHOD A CLEANUP LEVEL
 LNAPL - LIGHT NON-AQUEOUS
 PHASE LIQUIDS
 ND - INDICATES NO COCs WERE DETECTED ABOVE METHOD DETECTION LIMITS

KBMW-9				CLEANUP LEVEL
DATE	12/14/09	1/18/10	11/1/11	
B	516	778		5
T	3,850	6,290		1,000
E	1,900	3,760		700
X	9,100	17,000		1,000
PCE	1.8	2		5
GRPH	37,000	24,900		800 / 1,000

51201.8
 WHITNEY'S CHEVROLET, INC.
 MONTESANO, WASHINGTON

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

PROJECT: 51201.8
 PREPARED FOR: WHITNEY'S CHEVROLET, INC.
 LOCATION: MONTESANO, WASHINGTON

FIGURE 13
 SITE REPRESENTATION WITH SUMMARY OF GROUND WATER ANALYTICAL DATA

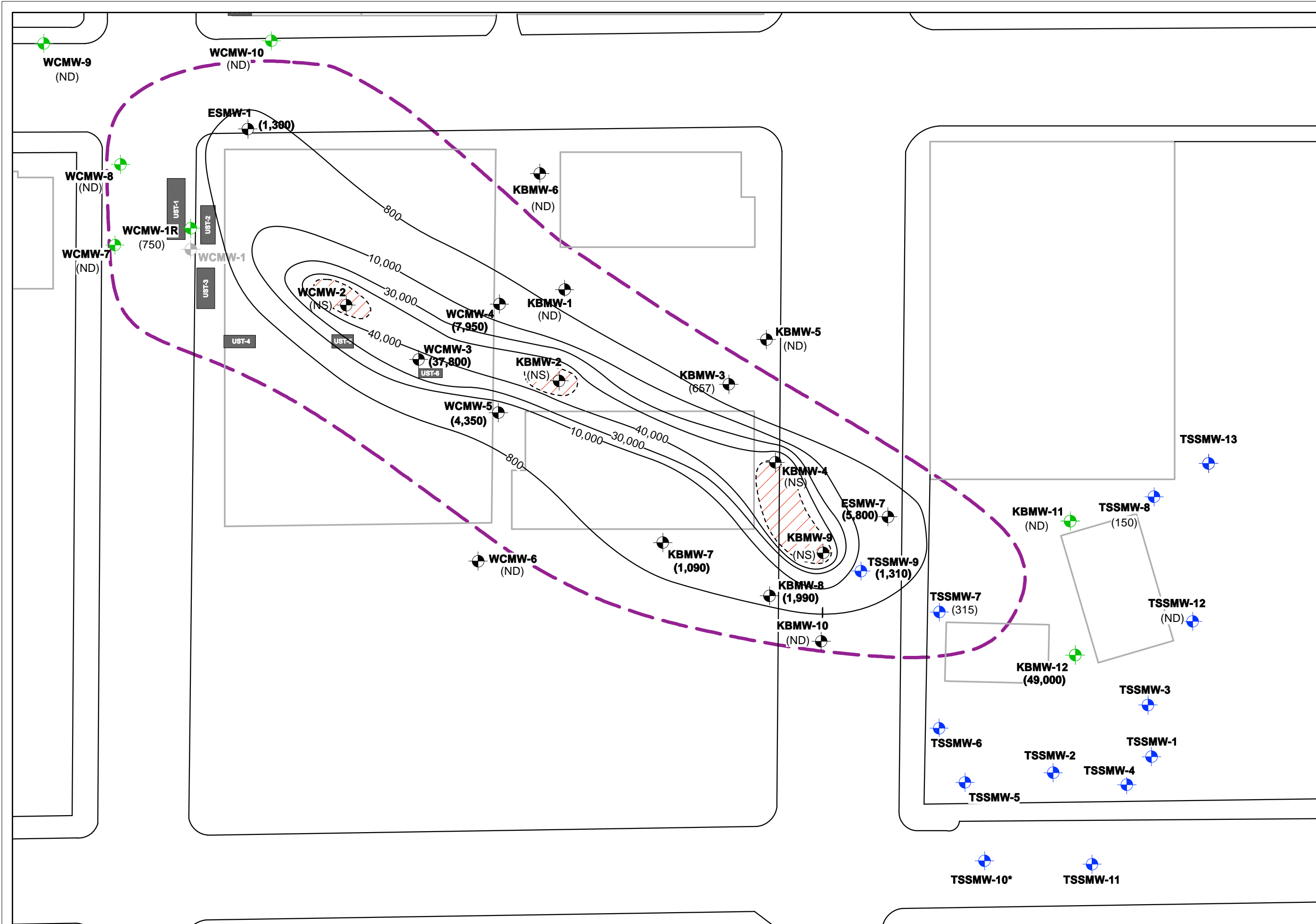
SHEET 1 of 1
 DRAWN BY: M/M/M
 REVIEWED BY: E/LC
 DATE: 01/06/12

APPROXIMATE BOUNDARY OF WHITNEY'S CHEVROLET SITE
 GROUND WATER MONITORING WELL ASSOCIATED WITH WHITNEY CHEVROLET SITE
 GROUND WATER MONITORING WELL ASSOCIATED WITH TONY'S SHORT STOP SITE
 NEWLY INSTALLED GROUND WATER MONITORING WELL
 UNDERGROUND STORAGE TANK LOCATION

SCALE: 1" = 40'

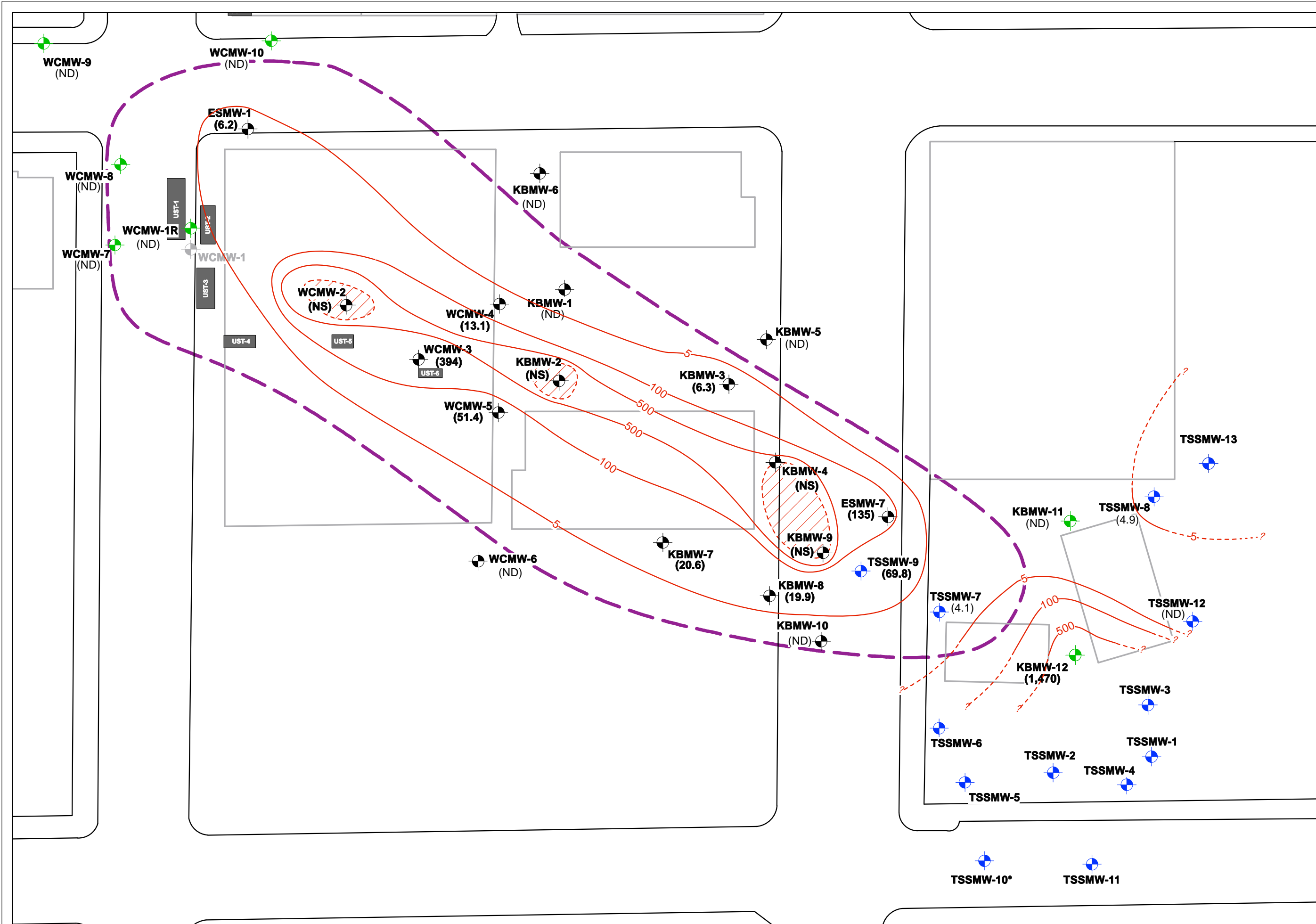
0 10 20 30 40

↑

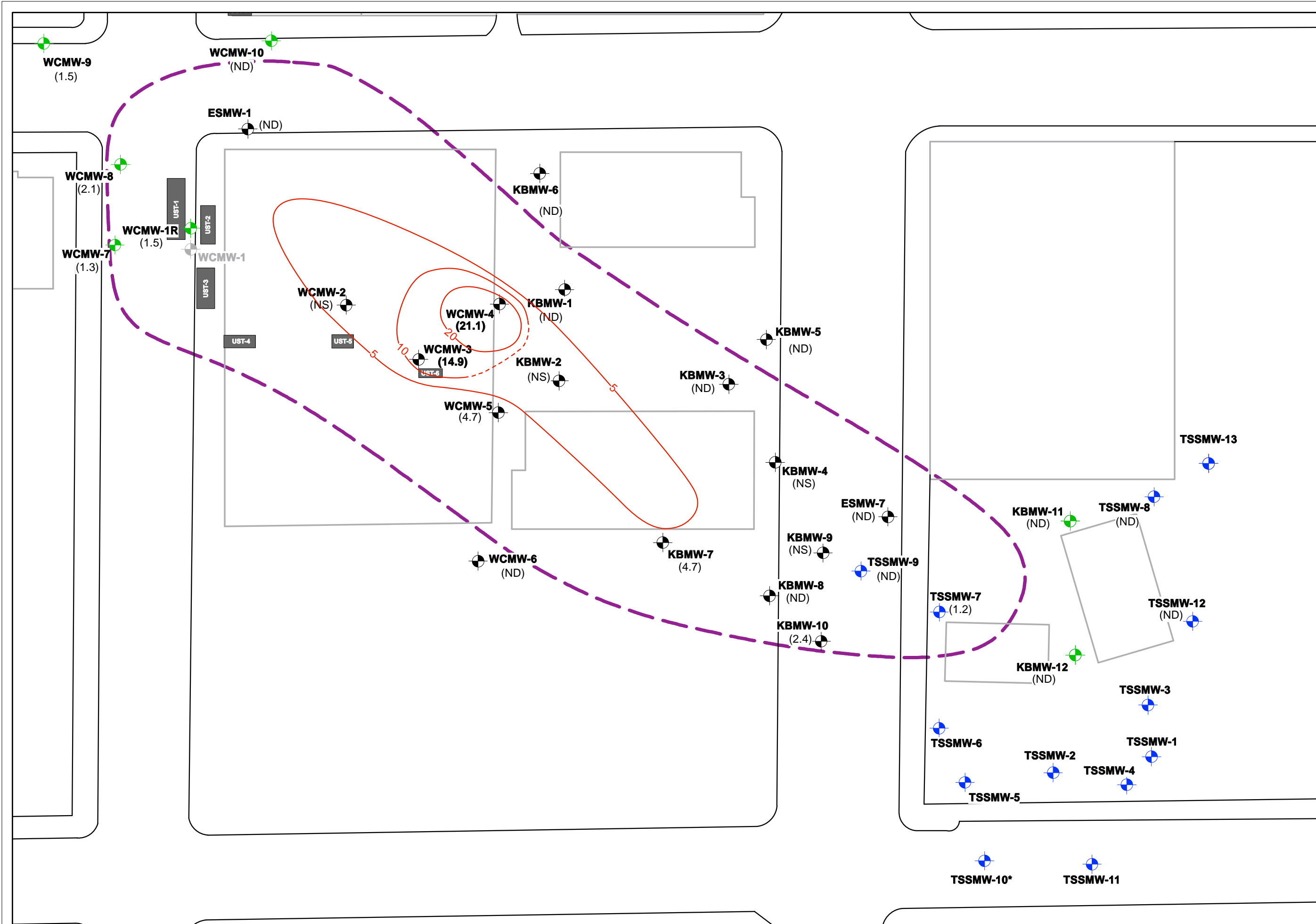


 ENVIRONMENTAL PARTNERS INC. 295 NE Gilman Boulevard, Suite 201 Issaquah, Washington 98027	PROJECT 51201.8	PREPARED FOR WHITNEY'S CHEVROLET, INC.	LOCATION MONTESANO, WASHINGTON	DATE 01/06/12
	FIGURE 14 GRPH ISOCONCENTRATION CONTOURS FOR OCTOBER/NOVEMBER 2011 (IN µg/L)	SHEET 1 of 1	DRAWN BY M/M/M	REVIEWED BY E/LC

APPROXIMATE BOUNDARY OF WHITNEY'S CHEVROLET SITE
GROUND WATER MONITORING WELL ASSOCIATED WITH WHITNEY'S CHEVROLET SITE
NEWLY INSTALLED GROUND WATER MONITORING WELL
INDICATES GRPH WAS NOT DETECTED ABOVE THE METHOD DETECTION LIMIT
INDICATES CONCENTRATION OF GRPH WAS ABOVE MTCM METHOD A CLEANUP LEVEL (5 µg/L)
UNDERGROUND STORAGE TANK LOCATION
GRPH CONCENTRATION CONTOUR, DASHED WHERE INFERRED
HATCHED AREAS INDICATE PRESENCE OF MEASURED LNAPL IN WELL



 ENVIRONMENTAL PARTNERS INC. 295 NE Gilman Boulevard, Suite 201 Issaquah, Washington 98027	PROJECT 51201.8	PREPARED FOR WHITNEY'S CHEVROLET, INC.	LOCATION MONTESANO, WASHINGTON	DATE 01/06/12
	SHEET 1 of 1	DRAWN BY M/M	REVIEWED BY ELC	
FIGURE 15 BENZENE ISOCENTRATION CONTOURS FOR OCTOBER NOVEMBER 2011 (IN µg/L)				
<p> APPROXIMATE BOUNDARY OF WHITNEY'S CHEVROLET SITE GROUND WATER MONITORING WELL ASSOCIATED WITH WHITNEY'S CHEVROLET SITE GROUND WATER MONITORING WELL ASSOCIATED WITH TONY'S SHORT STOP SITE NEWLY INSTALLED GROUND WATER MONITORING WELL INDICATES BENZENE WAS NOT DETECTED ABOVE THE METHOD DETECTION LIMIT INDICATES BENZENE WAS NOT COLLECTED DUE TO LNAPL IN MONITORING WELL INDICATES CONCENTRATION OF BENZENE WAS ABOVE MTCM METHOD A CLEANUP LEVEL (5 µg/L) BOLD UNDERGROUND STORAGE TANK LOCATION BENZENE CONCENTRATION CONTOUR; DASHED WHERE INFERRED, QUERIED WHERE UNCERTAIN HATCHED AREAS INDICATE PRESENCE OF MEASURED LNAPL IN WELL </p>				



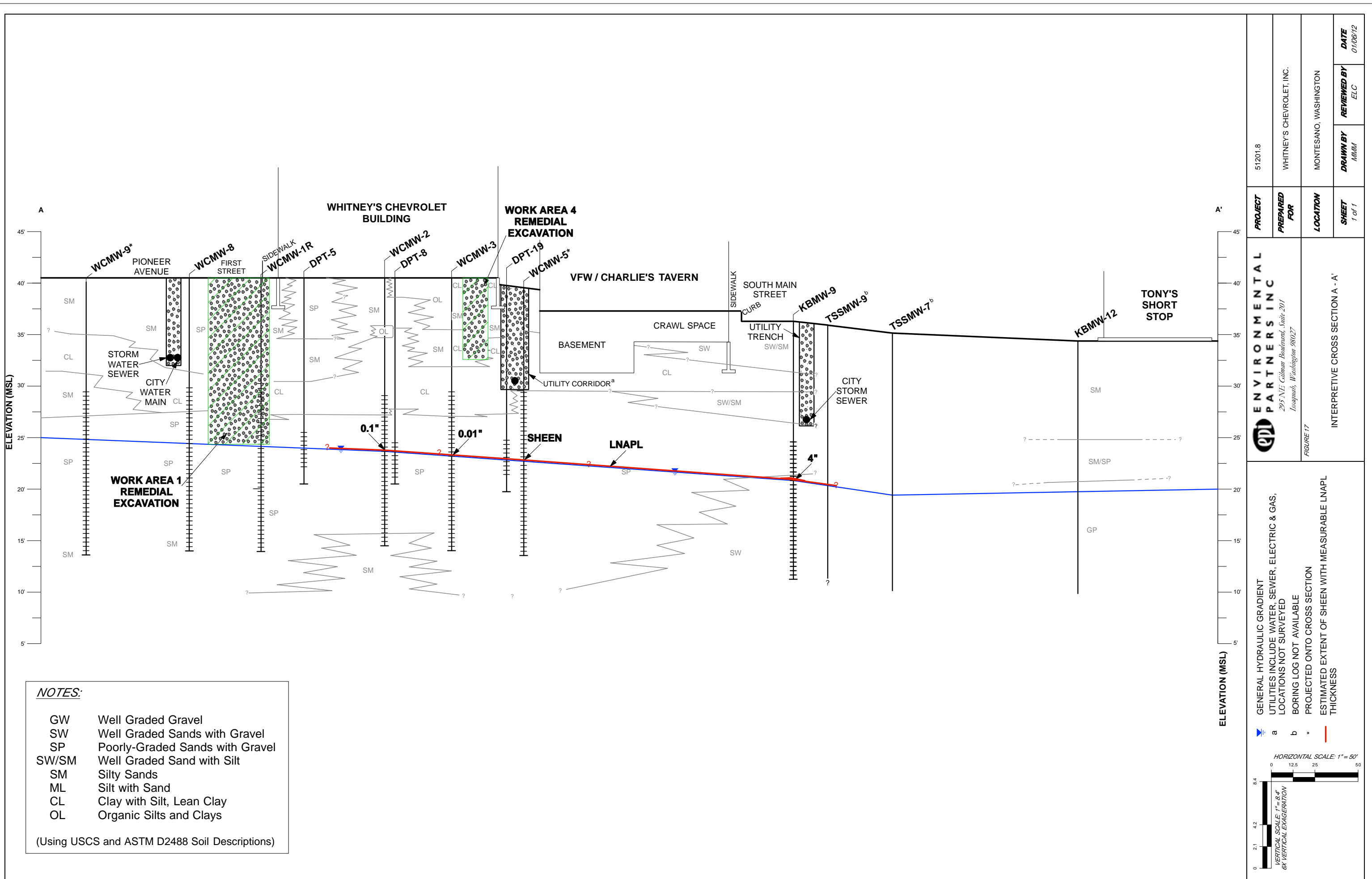
ENVIRONMENTAL PARTNERS INC.
 295 NE Gilman Boulevard, Suite 201
 Issaquah, Washington 98027

PROJECT: 51201.8
PREPARED FOR: WHITNEY'S CHEVROLET, INC.
LOCATION: MONTESANO, WASHINGTON
SHEET: 1 of 1
DATE: 01/06/12
REVIEWED BY: ELC
DRAWN BY: M/M/M

FIGURE 16
 PCE ISOCENTRATION CONTOURS FOR
 OCTOBER NOVEMBER 2011 (IN µg/L)

LEGEND:
 - APPROXIMATE BOUNDARY OF WHITNEY'S CHEVROLET SITE
 - GROUND WATER MONITORING WELL ASSOCIATED WITH WHITNEY CHEVROLET SITE
 - NEWLY INSTALLED GROUND WATER MONITORING WELL
 - INDICATES PCE WAS NOT DETECTED ABOVE THE METHOD DETECTION LIMIT
 - INDICATES SAMPLE WAS NOT COLLECTED DUE TO LNAPL IN MONITORING WELL
 - **BOLD** INDICATES CONCENTRATION OF PCE WAS ABOVE MTCA METHOD A CLEANUP LEVEL (5 µg/L)
 - UNDERGROUND STORAGE TANK LOCATION
 - PCE CONCENTRATION CONTOUR

SCALE: 1"=40'



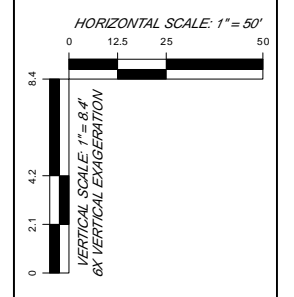
NOTES:

- GW Well Graded Gravel
- SW Well Graded Sands with Gravel
- SP Poorly-Graded Sands with Gravel
- SW/SM Well Graded Sand with Silt
- SM Silty Sands
- ML Silt with Sand
- CL Clay with Silt, Lean Clay
- OL Organic Silts and Clays

(Using USCS and ASTM D2488 Soil Descriptions)

 ENVIRONMENTAL PARTNERS INC. 295 NE Gibson Boulevard, Suite 201 Longview, Washington 98027 <small>FIGURE 17</small>	PROJECT 51201.8	PREPARED FOR WHITNEY'S CHEVROLET, INC.	LOCATION MONTESANO, WASHINGTON	DATE 01/06/12
	SHEET 1 of 1	DRAWN BY M/M	REVIEWED BY ELC	INTERPRETIVE CROSS SECTION A - A'

GENERAL HYDRAULIC GRADIENT
 UTILITIES INCLUDE WATER, SEWER, ELECTRIC & GAS,
 LOCATIONS NOT SURVEYED
 BORING LOG NOT AVAILABLE
 PROJECTED ONTO CROSS SECTION
 ESTIMATED EXTENT OF SHEEN WITH MEASURABLE LNAPL
 THICKNESS



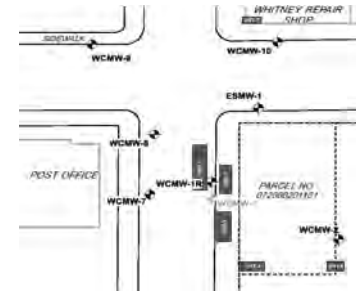
Appendices

Appendix 1
Soil Boring Logs with As-built Well Diagrams

Boring/Well Designation: WCMW-1R

Client: Whitney's Chevrolet
Logged By: E. Caddey, L.G.
Date of Drilling: 10/24/11
Site Address: 123 Pioneer Avenue, Montesano, WA
Drilling Contractor: Cascade Drilling
Method: HSA
Drill Rig: Limited Access-Track Mounted
Borehole: 8"

Site Representation:

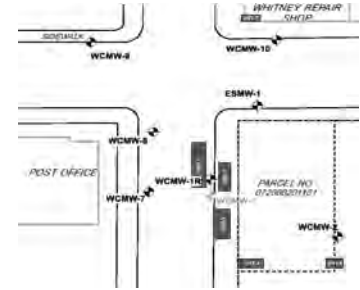


Depth	SUBSURFACE PROFILE			SAMPLE			PID (ppm)	Sheen	Well Data	Comments
	Log	USCS Code	DESCRIPTION	Interval Recovery	Blows per 6"	Sample				
0			Ground Surface							
0-1			Asphalt							
1-16.5	SW		Well-graded Sand with Gravel Mostly fine to coarse sand with little gravel (compacted backfill)							Traffic rated well monument Concrete grout 2" Schedule 40 blank PVC Hydrated bentonite chips 0.010" slot screen schedule 40 PVC, 2" #2/12 Silica sand pack
16.5-17	SP		Poorly-graded Sand with Gravel Grey; wet; mostly medium to coarse sand with little gravel		5-12-35	WCMW-1R:16.5	190	No		Strong petroleum "gas" odors Ground water at 16.5'
17-18										

Boring/Well Designation: WCMW-1R

Client: Whitney's Chevrolet
Logged By: E. Caddey, L.G.
Date of Drilling: 10/24/11
Site Address: 123 Pioneer Avenue, Montesano, WA
Drilling Contractor: Cascade Drilling
Method: HSA
Drill Rig: Limited Access-Track Mounted
Borehole: 8"

Site Representation:

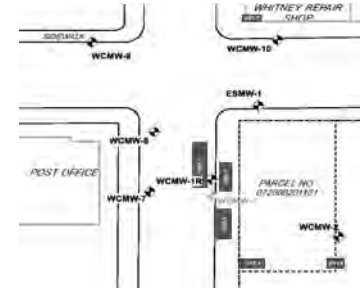


Depth	SUBSURFACE PROFILE			SAMPLE			PID (ppm)	Sheen	Well Data	Comments
	Log	USCS Code	DESCRIPTION	Interval Recovery	Blows per 6"	Sample				
19										
20		SP								No petroleum odors
21				█	50 per 6"	WCMW-1R:20	32	No		
22										
23										0.010" slot screen schedule 40 PVC, 2"
24										
25		SP		█						#2/12 Silica sand pack
26			End of Borehole	█	12, 50 per 6"	WCMW1R-25	15	No		End cap
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										

Boring/Well Designation: WCMW-7

Client: Whitney's Chevrolet
Logged By: E. Caddey, L.G.
Date of Drilling: 10/25/11
Site Address: 123 Pioneer Avenue, Montesano, WA
Drilling Contractor: Cascade Drilling
Method: HSA
Drill Rig: CME-75
Borehole: 8"

Site Representation:

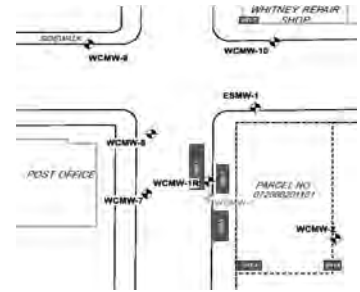


Depth	SUBSURFACE PROFILE			SAMPLE			PID (ppm)	Sheen	Well Data	Comments
	Log	USCS Code	DESCRIPTION	Interval Recovery	Blows per 6"	Sample				
0			Ground Surface							
0-1			Asphalt							
1-2		SW	Poorly-graded Sand Brown; mostly medium to coarse sand with little gravel; road fill							Traffic rated well monument
2-3										Cement grout
3-4		SP	Poorly-graded Sand Brown; damp; Mostly medium to coarse sand with little gravel and some clay; no odor							
4-5							0			2" Schedule 40 blank PVC
5-6		SM	Silty Sand Grey; damp; mostly fine to medium sand with some silt		3-3-3					Hydrated bentonite chips
6-9										
9-10							54			Slight to medium petroleum odors
10-11		CL	Lean Clay with Sand Grey; damp; clay with sand		3-4-4	WCMW-7:9				
11-14										2" 0.010" slot screen schedule 40 PVC
14-15							0			#2/12 Silica sand pack
15-16		SP	Poorly-graded Sand Grey; damp; mostly medium to coarse sand with little gravel		18-17-18	WCMW-7:14				
16-17										
17-18										

Boring/Well Designation: WCMW-7

Client: Whitney's Chevrolet
Logged By: E. Caddey, L.G.
Date of Drilling: 10/25/11
Site Address: 123 Pioneer Avenue, Montesano, WA
Drilling Contractor: Cascade Drilling
Method: HSA
Drill Rig: CME-75
Borehole: 8"

Site Representation:

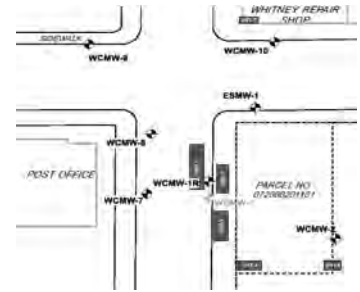


Depth	SUBSURFACE PROFILE			SAMPLE			PID (ppm)	Sheen	Well Data	Comments
	Log	USCS Code	DESCRIPTION	Interval Recovery	Blows per 6"	Sample				
19		SP					0			
20					12-45-20	WCMW-7:19		No		2" 0.010" slot screen schedule 40 PVC
21										#2/12 Silica sand pack
22										
23										
24							0			
25	GP		Poorly-graded Gravel with Sand Grey; saturated; mostly fine to coarse gravel with sand		50-6			No		
26	SM		Silty Sand Grey; damp; dense; mostly fine to medium sand with some silt							End cap
27										
28			End of Borehole							
29										
30										
31										
32										
33										
34										
35										
36										

Boring/Well Designation: WCMW-8

Client: Whitney's Chevrolet
Logged By: E. Caddey, L.G.
Date of Drilling: 10/24/11
Site Address: 123 Pioneer Avenue, Montesano, WA
Drilling Contractor: Cascade Drilling
Method: HSA
Drill Rig: CME-75
Borehole: 8"

Site Representation:

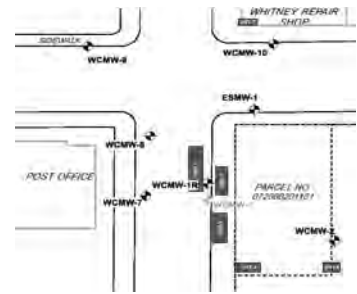


Depth	SUBSURFACE PROFILE			SAMPLE			PID (ppm)	Sheen	Well Data	Comments
	Log	USCS Code	DESCRIPTION	Interval Recovery	Blows per 6"	Sample				
0			Ground Surface							
0-1			Asphalt							Traffic rated flush-mount vault
1-2			Gravel Gravel road ballast							Cement grout
2-4		SM	Silty Sand with Clay Tan; mostly fine to medium sand with some clay; no odor				0			2" Schedule 40 blank PVC No petroleum odor
4-5					2-2-2	WCMW-8:4				Hydrated bentonite chips
5-9		CL	Lean Clay with Sand Light grey with brown sandy lenses; lean clay with sand				214	No		Slight to moderate petroleum odor
9-10					2-3-3	WCMW-8:9				2" 0.010" slot screen schedule 40 PVC
10-14		SP	Poorly-graded Sand with Gravel Grey; saturated; mostly medium sand with little gravel				12	No		No petroleum odor
14-15					13-16-19	WCMW-8:14				#1/12 Silica sand pack
15-16										
16-17										
17-18										

Boring/Well Designation: WCMW-8

Client: Whitney's Chevrolet
Logged By: E. Caddey, L.G.
Date of Drilling: 10/24/11
Site Address: 123 Pioneer Avenue, Montesano, WA
Drilling Contractor: Cascade Drilling
Method: HSA
Drill Rig: CME-75
Borehole: 8"

Site Representation:

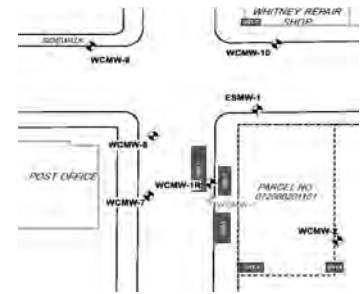


Depth	SUBSURFACE PROFILE			SAMPLE			PID (ppm)	Sheen	Well Data	Comments	
	Log	USCS Code	DESCRIPTION	Interval Recovery	Blows per 6"	Sample					
19	[Sand Log]	SP					0	No	[Well Log]	#2/12 Silica sand pack	
20						9-12-14	WCMW-8:19				
21											
22											
23											
24		SM	Silty Sand Grey; damp; very dense; mostly fine to medium sand with some silt				0	No	2" 0.010" slot screen schedule 40 PVC		
25						50-6	WCMW-8:24				
26			End of Borehole						End cap		
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											

Boring/Well Designation: WCMW-9

Client: Whitney's Chevrolet
Logged By: E. Caddey, L.G.
Date of Drilling: 10/26/11
Site Address: 123 Pioneer Avenue, Montesano, WA
Drilling Contractor: Cascade Drilling
Method: HSA
Drill Rig: CME-75
Borehole: 8"

Site Representation:

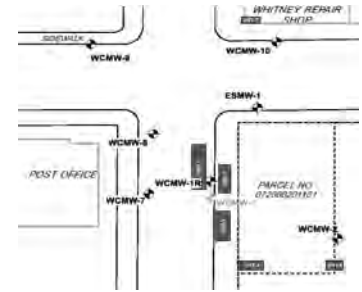


Depth	SUBSURFACE PROFILE			SAMPLE			PID (ppm)	Sheen	Well Data	Comments
	Log	USCS Code	DESCRIPTION	Interval Recovery	Blows per 6"	Sample				
0			Ground Surface							
0-1			Asphalt							
1			Concrete							Traffic rated flush-mount vault
1-2			Silty Sand							Cement grout
2-4		SM	Mostly fine to medium sand with silt							2" Schedule 40 blank PVC
4-5			Clay with Sand				0			No petroleum odor
5-6		CL	Tan with brown rust lenses; damp; lean clay with sand		1-2-3					Hydrated bentonite chips
6-9										
9-10			Silty Sand with Clay				0			No petroleum odor
10-11		SM	Tan-grey; mostly fine to medium sand with some clay; rust lenses		1-2-2	WCMW-9:9				
11-14										
14-15			Poorly-graded Sand with Gravel				0	No		
15-16		SP	Mostly fine sand with no gravel		10-12-15	WCMW-9:14				2" 0.010" slot screen schedule 40 PVC
16-17										#2/12 Silica sand pack
17-18										

Boring/Well Designation: WCMW-9

Client: Whitney's Chevrolet
Logged By: E. Caddey, L.G.
Date of Drilling: 10/26/11
Site Address: 123 Pioneer Avenue, Montesano, WA
Drilling Contractor: Cascade Drilling
Method: HSA
Drill Rig: CME-75
Borehole: 8"

Site Representation:

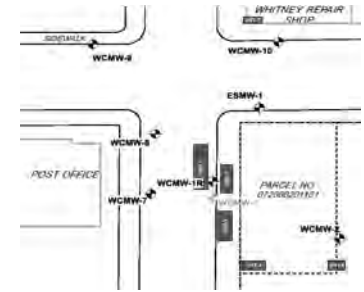


Depth	SUBSURFACE PROFILE			SAMPLE			PID (ppm)	Sheen	Well Data	Comments
	Log	USCS Code	DESCRIPTION	Interval Recovery	Blows per 6"	Sample				
19	GP		<i>Poorly-graded Gravel with Sand</i> Grey; gravel and sand	Interval Recovery	14-14-14		0		#2/12 Silica sand pack	
20										
21										
22	SM		<i>Silty Sand</i> Grey; damp; very dense; mostly fine to medium sand with some silt	Interval Recovery	50-6		0	2" 0.010" slot screen schedule 40 PVC	End cap	
23										
24										
25										
26										
27			End of Borehole							
28										
29										
30										
31										
32										
33										
34										
35										
36										

Boring/Well Designation: WCMW-10

Client: Whitney's Chevrolet
Logged By: E. Caddey, L.G.
Date of Drilling: 10/26/11
Site Address: 123 Pioneer Avenue, Montesano, WA
Drilling Contractor: Cascade Drilling
Method: HSA
Drill Rig: CME-75
Borehole: 8"

Site Representation:

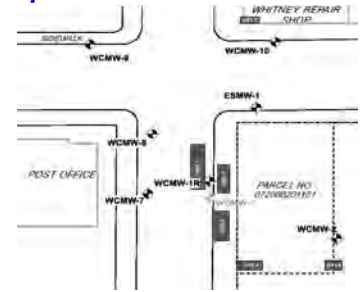


Depth	SUBSURFACE PROFILE			SAMPLE			PID (ppm)	Sheen	Well Data	Comments
	Log	USCS Code	DESCRIPTION	Interval Recovery	Blows per 6"	Sample				
0			Ground Surface							
0-1			Asphalt							Traffic rated flush-mount vault
1-1.5			Brick							
1.5-2			Silty Sand							Cement grout
2-4		SM	Mostly fine to medium sand with silt							2" Schedule 40 blank PVC
4-5							0			No petroleum odor
5-6		CL	Clay with Sand		1-1-2					Hydrated bentonite chips
6-9										
9-10							22			No petroleum odor
10-11					1-3-3	WCMW-10:9				
11-14										2" 0.010" slot screen schedule 40 PVC
14-15			Silty Sand				16			
15-16			Mostly fine to medium sand with a 2" gravel lense at 15'		4-4-3	WCMW-10:14				#2/12 Silica sand pack
16-18		SM								

Boring/Well Designation: WCMW-10

Client: Whitney's Chevrolet
Logged By: E. Caddey, L.G.
Date of Drilling: 10/26/11
Site Address: 123 Pioneer Avenue, Montesano, WA
Drilling Contractor: Cascade Drilling
Method: HSA
Drill Rig: CME-75
Borehole: 8"

Site Representation:



Depth	SUBSURFACE PROFILE			SAMPLE			PID (ppm)	Sheen	Well Data	Comments
	Log	USCS Code	DESCRIPTION	Interval Recovery	Blows per 6"	Sample				
19		SM					9			
20		SP	Poorly-graded Sand with Gravel Dark grey; damp; mostly fine sand with trace gravel; 2" clay lense at 20.5'		5-4-9	WCMW-10:19				#2/12 Silica sand pack
21										
22										
23										
24							0			2" 0.010" slot screen schedule 40 PVC
25		SM	Silty Sand Dark grey; damp; dense; mostly fine sand with silt		50-6					
26					50-6		0			End cap
27			End of Borehole							
28										
29										
30										
31										
32										
33										
34										
35										
36										

Boring/Well Designation: KBMW-11

Client: Whitney's Chevrolet
Logged By: E. Caddey, L.G.
Date of Drilling: 10/25/11
Site Address: 123 Pioneer Avenue, Montesano, WA
Drilling Contractor: Cascade Drilling
Method: HSA
Drill Rig: CME-75
Borehole: 8"

Site Representation:

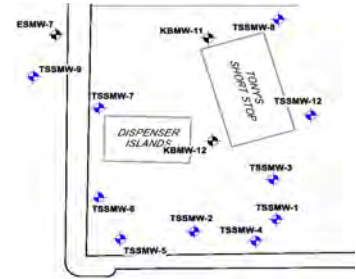


Depth	SUBSURFACE PROFILE			SAMPLE			PID (ppm)	Sheen	Well Data	Comments
	Log	USCS Code	DESCRIPTION	Interval Recovery	Blows per 6"	Sample				
0			Ground Surface							
0-1			Asphalt							Traffic rated flush-mount vault
1-2			Fill							Cement grout
2-12		SM	Silty Sand Brown; damp; mostly fine to medium sand with silt; and clay-rich bands							2" Schedule 40 blank PVC
3-6					3-3-4	KBMW-11:5	0			Hydrated bentonite chips
6-9							0			No petroleum odor
9-10					4-7-10	KBMW-11:9				
10-13		SP	Poorly-graded Sand Brown; damp; mostly medium sand		9-10-10	KBMW-11:12.5	0			2" 0.010" slot screen schedule 40 PVC
13-15		SP	Poorly-graded Sand with Gravel Brown to red-brown; wet; mostly medium sand		50-6	KBMW-11:14	0			#2/12 Silica sand pack
15-19										
19-20					12-20-21					Slight petroleum odor at 19'
20-24		GW	Well-graded Sand with Gravel Saturated; mostly fine to coarse sand with few gravel				0			No petroleum odor
24-25			End of Borehole		4-21-30		0			End cap

Boring/Well Designation: KBMW-12

Client: Whitney's Chevrolet
Logged By: E. Caddey, L.G.
Date of Drilling: 10/25/11
Site Address: Tony's Short Stop, Montesano, WA
Drilling Contractor: Cascade Drilling
Method: Air Knife 0-4', HSA
Drill Rig: CME-75
Borehole: 8"

Site Representation:



Depth	SUBSURFACE PROFILE			SAMPLE			PID (ppm)	Sheen	Well Data	Comments
	Log	USCS Code	DESCRIPTION	Interval Recovery	Blows per 6"	Sample				
0			Ground Surface							Traffic rated flush-mount vault
1			Asphalt							Cement grout
2			Fill							Air knife to 4' No petroleum odor
3			Silty Sand Grey-brown; mostly fine to medium sand with silt							2" schedule 40 blank PVC
4		SM					6			Hydrated bentonite chips
5					3-3-4	KBMW-12:5				
6										
7										
8										
9										
10							755	Yes		#2/12 silica sand pack
11		SM-SP	Poorly-graded Sand Saturated; mostly medium sand with interbedded silty sand		4-3-22	KBMW-12:10				2" 0.010" slot screen schedule 40 PVC
12										
13										
14										
15							380			Strong gasoline odor, slight sheen
16			Poorly-graded Gravel with Sand Grey; wet; mostly gravel with some sand		13-14-15	KBMW-12:15				
17		GP								
18										
19										
20							106	No		Slight petroleum odor
21					22-26-29	KBMW-12:20				
22										
23										Very slight petroleum odor
24							12	No		End cap
25			End of Borehole		12-13-18					
26										

Appendix 2
Ecology “Contained-Out” Determination Letter



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47600 • Olympia, WA 98504-7600 • 360-407-6000

711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

April 21, 2011

Mr. Stormy Glick
Whitney's Chevrolet
123 W. Pioneer Avenue
Montesano, WA 98335

RE: Contained-Out Determination for Soils Contaminated with Listed Dangerous Waste Constituents at 123 Pioneer Avenue, Montesano, WA
Agreed Order No. DE 2951.

References:

- (a) Letter: Glenn Andrew Hayman to Samuel Iwenofu (Ecology) dated April 13, 2011, regarding Request for Contained-Out Determination
- (b) E-mailed Analytical Report received on April 20, 2011 from Eric Koltres, EPI, Inc.

Dear Mr. Glick:

The Washington State Department of Ecology (Ecology) has received and reviewed your request for a Contained-Out determination, for the disposal of approximately 1,700 cubic yards of soil contaminated with tetrachloroethene (PCE) that will be generated during the removal of six Underground Storage Tanks (USTs) at the Whitney's Chevrolet site located at 123 W. Pioneer Avenue, Montesano, Washington.

This information was submitted to Ecology to determine if contaminated soil to be excavated at the site should be managed as F001-listed dangerous waste in accordance with the principles of the "contained-in/out" policy. Ecology understands that these specific soils do not designate under federal characteristics (WAC 173-303-090) or state-only criteria (WAC 173-303-100).

Based on the analytical investigation results reviewed in the above referenced report, Ecology has determined that these soils impacted by tetrachloroethene (PCE) at the Whitney's Chevrolet site contain listed dangerous waste constituents at concentrations that do not warrant management as dangerous wastes.¹ Ecology will not require disposal of the soil as listed wastes at a RCRA-permitted treatment, storage, and disposal (TSD) facility, provided all of the conditions below are implemented:

¹ February 19, 1993 Ecology Contained-In Policy Memo

Mr. Stormy Glick

April 21, 2011

Page 2

1. The 1,700 cubic yards of soil shall be sent directly to and disposed of at a permitted Subtitled D landfill or an equivalent landfill which will accept this waste stream. Local solid waste agencies have the authority to impose additional requirements on solid waste streams.
2. These 1,700 cubic yards of soil should be kept completely covered and contained during transport and disposal. If the soil is emptied directly into a truck or trailer, the delivery truck or railcar shall be plastic lined, and during transport, all loads must be covered to prevent wind dispersion. During transport, all other adequate measures shall be taken to prevent spills and dispersion due to wind or rain erosion. Measures shall also be taken to prevent unauthorized contact with this soil at all times.
3. These soils shall be placed directly in the landfill cell and are not to be used for daily, intermediate, or final cover.
4. The 1,700 cubic yards of soil shall not be sent to any incinerator, thermal desorption unit, or recycling facility unless that facility is a RCRA Subtitle C-permitted hazardous waste TSD facility.
5. Copies of all bills of lading/weight (scale) tickets and signed solid waste landfill receipt records for these contaminated soils should be forwarded, **within 10 days of your receipt**, to Ecology's Southwest Regional Office, Attention: Samuel Iwenofu.

Ecology issued this determination based on the information provided and reviewed to date. This written decision does not apply to any other area or media. Additional contained-out determination requests would be required for on-going and future investigation and cleanup activities. If at any time during the remedial action, the in-situ PCE soil concentrations are determined to be greater than **0.05 mg/kg**, the contaminated soil must be disposed of as hazardous waste at a Subtitled C landfill.

This letter is intended to only address the procedures for disposal of the 1,700 cubic yards of soil in accordance with Washington State's Dangerous Waste Regulations (Chapter 173-303 WAC). Regulatory decisions regarding the applicable soil and groundwater cleanup levels and appropriate exposure pathways will be addressed by project managers in Ecology's Toxics Cleanup Program.

Mr. Stormy Glick
April 21, 2011
Page 3

Failure to comply with the terms of this letter may result in the issuance of an administrative order and/or penalty as provided by the Revised Code of Washington, Sections 70.105.080 and/or .095 (Hazardous Waste Management Act).

Please contact Samuel Iwenofu of my staff at (360) 407-6346 or electronically at siwe461@ecy.wa.gov if you have questions.

Sincerely,



Ava Edmonson, Section Manager
Hazardous Waste and Toxics Reduction Program
Southwest Regional Office

By Certified Mail:
7010 0780 0002 3400 3919

cc: Central Files
Samuel Iwenofu, Department of Ecology
Glenn Andrew Hayman, glennh@epi-wa.com

Mr. Clark Davies, Davies Law office, PLLC
7252 Pioneer Way #202
Gig Harbor, WA 98335

Appendix 3
Laboratory Analytical Reports for
Monitoring Well Soil Samples



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 28, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx and Volatile Organic Compounds by EPA Method 8260C on October 27, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L11024-1

Analyses of Gasoline (NWTPH-Gx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (mg/kg)
Method Blank	10/27/11	126	nd
WCMW-1R:16.5	10/27/11	134	333
WCMW-1R:16.5 Dup	10/27/11	int	344
WCMW-1R:20	10/27/11	117	nd
WCMW-8:9	10/27/11	129	300
WCMW-8:14	10/27/11	121	nd
Practical Quantitation Limit			10

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L11024-1

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN SOIL

Sample Description	Method	WCMW-1R	WCMW-1R	WCMW-1R	WCMW-8	WCMW-8	
		Blank	:16.5	:16.5 Dup	:20	:9	:14
Date Sampled	Reporting	N/A	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11
Date Analyzed	Limits	10/27/11	10/27/11	10/27/11	10/27/11	10/27/11	10/27/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
Methyl <i>tert</i> -Butyl Ether (MTBE)	0.02	nd	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
↖ Benzene	0.02	nd	0.093	0.084	nd	0.052	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
↖ Toluene	0.02	nd	0.26	0.22	0.050	0.17	0.084
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
↖ Tetrachloroethene (PCE)	0.02	nd	0.16	0.18	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd	nd
↖ Ethylbenzene	0.03	nd	0.89	0.97	nd	0.052	0.032
↖ Total Xylenes	0.03	nd	5.25	5.65	0.20	0.26	0.15
Styrenes	0.02	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L11024-1

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN SOIL

Sample Description	Method	WCMW-1R	WCMW-1R	WCMW-1R	WCMW-8	WCMW-8	
		Blank	:16.5	:16.5 Dup	:20	:9	:14
Date Sampled	Reporting	N/A	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11
Date Analyzed	Limits	10/27/11	10/27/11	10/27/11	10/27/11	10/27/11	10/27/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	0.33	0.36	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	2.01	2.30	0.081	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	4.54	4.87	0.073	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	13.6	15.6	0.50	0.12	0.066
sec-Butylbenzene	0.02	nd	0.39	0.42	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	0.80	0.90	nd	0.062	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	2.23	2.50	0.11	0.26	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	1.78	1.87	nd	0.40	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		96	94	90	71	84	69
1,2-Dichloroethane-d4		121	84	95	88	120	80
Toluene-d8		126	134	int	117	129	121
4-Bromofluorobenzene		78	85	85	71	75	69

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L11024-1

QA/QC Data - EPA 8260C Analyses

Sample Identification: WCMW-8:14							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
1,1-Dichloroethene	0.5	0.41	82	0.5	0.40	80	2.5
Benzene	0.5	0.37	74	0.5	0.37	74	0.0
Toluene	0.5	0.48	96	0.5	0.47	94	2.1
Chlorobenzene	0.5	0.50	100	0.5	0.51	102	2.0
Trichloroethene (TCE)	0.5	0.41	82	0.5	0.37	74	10.3

Surrogate Recovery			
Dibromofluoromethane		88	109
1,2-Dichloroethane-d4		123	113
Toluene-d8		119	130
4-Bromofluorobenzene		76	81

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
1,1-Dichloroethene	0.5	0.40	80
Benzene	0.5	0.39	78
Toluene	0.5	0.41	82
Chlorobenzene	0.5	0.50	100
Trichloroethene (TCE)	0.5	0.37	74

Surrogate Recovery		
Dibromofluoromethane		100
1,2-Dichloroethane-d4		119
Toluene-d8		125
4-Bromofluorobenzene		71

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
 ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Paul Burke

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 10/24/11

Page: 1 of 1

Client: Environmental Partners Inc

Project Manager: Glenn Hayman

Address: 295 NE Gilman Blvd, Ste. 201, Issaquah, WA

Project Name: Whitney's Chevrolet

Phone: 425-281-3624 Fax:

Location: Montesano, WA

City:

Client Project # ~~512018~~ 512018

Collector: Eric Cadey

Date of Collection: 10/24/11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes											Field Notes			
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEM VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals					
1 MW-1R:16.5		11:22	Soil	4oz VOA		X				X									
2 MW-1R:20		11:28	"	"		X				X									
3 WCMW-8:9		14:42	"	"		X				X									
4 WCMW-8:14		14:44	"	"		X				X									
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			

Relinquished by: *[Signature]* Date / Time: 10/24/11 16:06

Received by: *[Signature]* Date / Time: 10/24/11 16:02

Sample Receipt:

Remarks: Standard Turn

Relinquished by: _____ Date / Time: _____

Received by: _____ Date / Time: _____

Good Condition?

Cold?

Relinquished by: _____ Date / Time: _____

Received by: _____ Date / Time: _____

Seals Intact?

Total Number of Containers



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

November 3, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx and Volatile Organic Compounds by EPA Method 8260C on October 27 & 28, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L111026-3

Analyses of Gasoline (NWTPH-Gx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (mg/kg)
Method Blank	10/27/11	126	nd
Method Blank	10/28/11	114	nd
WCMW-7:9	10/27/11	116	195
WCMW-7:14	10/27/11	133	nd
KBMW-11:9	10/28/11	121	nd
KBMW-11:14	10/28/11	124	nd
KBMW-12:10	10/28/11	135	4220
KBMW-12:15	10/28/11	115	3400
WCMW-10:9	10/28/11	132	36
WCMW-10:14	10/28/11	118	11
WCMW-9:9	10/28/11	116	nd
WCMW-9:14	10/28/11	134	14
Practical Quantitation Limit			10

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt & Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L111026-3

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN SOIL

Sample Description	Method	WCMW- Blank	WCMW- 7:9	WCMW- 7:14	KBMW- 11:9	KBMW- 11:14	KBMW- 12:10
Date Sampled	Reporting	N/A	10/25/11	10/25/11	10/25/11	10/25/11	10/25/11
Date Analyzed	Limits	10/27/11	10/27/11	10/27/11	10/28/10	10/28/10	10/28/10
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
Methyl <i>tert</i> -Butyl Ether (MTBE)	0.02	nd	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	8.58
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Toluene	0.02	nd	0.041	nd	nd	nd	488
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd	nd	284
Total Xylenes	0.03	nd	0.11	0.11	nd	nd	1320
Styrenes	0.02	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L111026-3

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN SOIL

Sample Description	Method	WCMW- Blank	WCMW- 7:9	WCMW- 7:14	KBMW- 11:9	KBMW- 11:14	KBMW- 12:10
Date Sampled	Reporting	N/A	10/25/11	10/25/11	10/25/11	10/25/11	10/25/11
Date Analyzed	Limits	10/27/11	10/27/11	10/27/11	10/28/10	10/28/10	10/28/10
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd	nd	21.2
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	0.044	nd	nd	nd	132
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	197
tert-Butylbenzene	0.02	nd	nd	nd	nd	nd	69.6
1,2,4-Trimethylbenzene	0.02	nd	0.055	nd	nd	nd	526.0
sec-Butylbenzene	0.02	nd	0.038	nd	nd	nd	9.70
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	0.042	nd	nd	nd	3.40
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	0.11	nd	nd	nd	35.8
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	0.086	nd	nd	nd	4.00
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		96	82	86	81	89	71
1,2-Dichloroethane-d4		121	135	126	99	134	75
Toluene-d8		126	116	133	121	124	135
4-Bromofluorobenzene		78	71	79	71	80	66

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L111026-3

QA/QC Data - EPA 8260C Analyses

Sample Identification: KBMW-10:14							
Matrix Spike			Matrix Spike Duplicate			RPD	
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
1,1-Dichloroethene	0.5	0.47	94	0.5	0.49	98	4.2
Benzene	0.5	0.40	80	0.5	0.50	100	22.2
Toluene	0.5	0.48	96	0.5	0.58	116	18.9
Chlorobenzene	0.5	0.42	84	0.5	0.46	92	9.1
Trichloroethene (TCE)	0.5	0.45	90	0.5	0.49	98	8.5

Surrogate Recovery

Dibromofluoromethane	113%	106%
1,2-Dichloroethane-d4	120%	108%
Toluene-d8	123%	120%
4-Bromofluorobenzene	69%	77%

Laboratory Control Sample

	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
1,1-Dichloroethene	0.5	0.42	84
Benzene	0.5	0.37	74
Toluene	0.5	0.44	88
Chlorobenzene	0.5	0.54	108
Trichloroethene (TCE)	0.5	0.39	78

Surrogate Recovery

Dibromofluoromethane	109%
1,2-Dichloroethane-d4	123%
Toluene-d8	114%
4-Bromofluorobenzene	76%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
 ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L111026-3

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN SOIL

Sample Description	Method	KBMW-	WCMW-	WCMW-	WCMW-	WCMW-
	Blank	12:15	10:9	10:14	9:9	9:14
Date Sampled	Reporting	N/A	10/25/11	10/25/11	10/25/11	10/25/11
Date Analyzed	Limits	10/28/10	10/28/10	10/28/10	10/28/10	10/28/10
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd
Methyl <i>tert</i> - Butyl Ether (MTBE)	0.02	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd
Benzene	0.02	nd	1.75	0.059	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd
Toluene	0.02	nd	13.6	0.40	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	96.8	1.85	0.10	nd
Total Xylenes	0.03	nd	331	7.74	0.60	nd
Styrenes	0.02	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L111026-3

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN SOIL

Sample Description		Method Blank	KBMW- 12:15	WCMW- 10:9	WCMW- 10:14	WCMW- 9:9	WCMW- 9:14
Date Sampled	Reporting	N/A	10/25/11	10/25/11	10/25/11	10/25/11	10/25/11
Date Analyzed	Limits	10/28/10	10/28/10	10/28/10	10/28/10	10/28/10	10/28/10
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	74.5	0.30	0.08	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	4.32	1.63	0.19	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	7.20	2.51	0.22	nd	0.18
tert-Butylbenzene	0.02	nd	16.0	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	31.0	6.58	0.55	nd	0.47
sec-Butylbenzene	0.02	nd	1.28	0.13	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	27.0	0.060	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	0.33	0.39	nd	0.28
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		89	87	99	85	83	102
1,2-Dichloroethane-d4		133	126	116	127	112	133
Toluene-d8		114	115	132	118	116	134
4-Bromofluorobenzene		78	77	84	82	78	80

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 10/26/11 Page: 1 of 1

Client: Environmental Partners Inc.

Project Manager: Glenn Hayman

Address: 295 NE Gilman Blvd Ste 201 Irriguanah

Project Name: Whitney's Chevrolet

Phone: 425-295-3629 Fax:

Location: Montesano City:

Client Project # 51201.8

Collector: Eric Caddy Date of Collection: 10/25/11 & 10/26/11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes										Field Notes			
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals				
1 WCMW-7:9	10/25/11	07:51	5011	4oz. VOA		X			X									
2 WCMW-7:14		07:54				X			X									
3 W KBMW-11:9		12:33				X			X									
4 KBMW-11:14		13:07				X			X									
5 KBMW-12:10		15:20				X			X									
6 KBMW-12:15		15:30				X			X									
7 WCMW-10:9	10/26/11	08:08				X			X									
8 WCMW-10:14	10/26/11	08:14				X			X									
9 WCMW-9:9		11:12				X			X									
10 WCMW-9:14		11:20				X			X									
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		

Relinquished by: <i>E. Caddy</i>	Date / Time: 10/26/11 15:30	Received by: <i>[Signature]</i>	Date / Time: 10/26/11 15:30	Sample Receipt	Remarks: Normal Turn		
Relinquished by:	Date / Time:	Received by:	Date / Time:			Good Condition?	
Relinquished by:	Date / Time:	Received by:	Date / Time:			Cold?	
Relinquished by:	Date / Time:	Received by:	Date / Time:			Seals Intact?	
				Total Number of Containers			

Distribution: White - Lab, Yellow - File, Pink - Originator

Appendix 4
Laboratory Analytical Reports for
Ground Water Samples



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

November 17, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Water samples were analyzed for Gasoline by NWTPH-Gx and Volatile Organic Compounds by EPA Method 8260C on November 7, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

EPI

Client Project # 51201.8

Libby Project No. L111101-2

Analyses of Gasoline (NWTPH-Gx) in Water

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (ug/l)
Method Blank	11/7/11	132	nd
WCMW-8	11/7/11	127	nd
WCMW-10	11/7/11	134	nd
WCMW-9	11/7/11	118	nd
WCMW-7	11/7/11	126	nd
WCMW-6	11/7/11	128	nd
ESMW-1	11/7/11	130	1230
ESMW-1 Dup	11/7/11	135	1300
WC-Dup1	11/7/11	113	nd
KBMW-10	11/7/11	132	nd
KBMW-10 Dup	11/7/11	112	nd
KBMW-7	11/7/11	127	1090
TSSMW-9	11/7/11	128	1310
TSSMW-8	11/7/11	134	150
KBMW-11	11/7/11	133	nd
Trip Blank	11/7/11	113	nd
Practical Quantitation Limit			100

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 EPI
 Client Project # 51201.8
 Libby Project No. L111101-2

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description	Method	WCMW-8	WCMW-10	WCMW-9	WCMW-7	WCMW-6
	Blank					
Date Sampled	Reporting	N/A	10/31/11	10/31/11	10/31/11	10/31/11
Date Analyzed	Limits	11/7/11	11/7/11	11/7/11	11/7/11	11/7/11
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	2.0	nd	nd	nd	nd	nd
Chloromethane	2.0	nd	nd	nd	nd	nd
Vinyl chloride	0.2	nd	nd	nd	nd	nd
Bromomethane	2.0	nd	nd	nd	nd	nd
Chloroethane	2.0	nd	nd	nd	nd	nd
Trichlorofluoromethane	2.0	nd	nd	nd	nd	nd
1,1-Dichloroethene	2.0	nd	nd	nd	nd	nd
Methylene chloride	1.0	nd	nd	nd	nd	nd
Methyl <i>tert</i> - Butyl Ether (MTBE)	5.0	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd
Chloroform	1.0	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd	nd
Benzene	1.0	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	nd	nd	nd	nd
1,2-Dichloropropane	1.0	nd	nd	nd	nd	nd
Dibromomethane	1.0	nd	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd
Toluene	1.0	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	2.1	nd	1.5	1.3
1,3-Dichloropropane	1.0	nd	nd	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.01	nd	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd	nd
Total Xylenes	2.0	nd	nd	nd	nd	nd
Styrenes	1.0	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 EPI
 Client Project # 51201.8
 Libby Project No. L111101-2

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description	Method Blank	WCMW-8	WCMW-10	WCMW-9	WCMW-7	WCMW-6	
Date Sampled	Reporting	N/A	10/31/11	10/31/11	10/31/11	10/31/11	
Date Analyzed	Limits	11/7/11	11/7/11	11/7/11	11/7/11	11/7/11	
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
Bromoform	1.0	nd	nd	nd	nd	nd	
Isopropylbenzene	4.0	nd	nd	nd	nd	nd	
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd	nd	
Bromobenzene	1.0	nd	nd	nd	nd	nd	
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	
n-Propylbenzene	1.0	nd	nd	nd	nd	nd	
2-Chlorotoluene	1.0	nd	nd	nd	nd	nd	
4-Chlorotoluene	1.0	nd	nd	nd	nd	nd	
1,3,5-Trimethylbenzene	1.0	nd	nd	nd	nd	nd	
tert-Butylbenzene	1.0	nd	nd	nd	nd	nd	
1,2,4-Trimethylbenzene	1.0	nd	nd	nd	nd	nd	
sec-Butylbenzene	1.0	nd	nd	nd	nd	nd	
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	
Isopropyltoluene	1.0	nd	nd	nd	nd	nd	
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	
n-Butylbenzene	1.0	nd	nd	nd	nd	nd	
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd	nd	nd	
1,2,4-Trichlorobenzene	2.0	nd	nd	nd	nd	nd	
Hexachloro-1,3-butadiene	5.0	nd	nd	nd	nd	nd	
Naphthalene	5.0	nd	nd	nd	nd	nd	
1,2,3-Trichlorobenzene	5.0	nd	nd	nd	nd	nd	
Surrogate Recovery							
Dibromofluoromethane		82	80	85	84	70	83
1,2-Dichloroethane-d4		131	127	129	129	88	123
Toluene-d8		132	127	134	118	126	128
4-Bromofluorobenzene		74	72	74	70	int	71

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 EPI
 Client Project # 51201.8
 Libby Project No. L111101-2

QA/QC Data - EPA 8260C Analyses

Sample Identification: WC-Dup1							RPD
Matrix Spike			Matrix Spike Duplicate				
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	
1,1-Dichloroethene	10	11.0	110	10	13.3	133	18.9
Benzene	10	9.0	90	10	9.0	90	0.0
Toluene	10	9.4	94	10	9.2	92	2.2
Chlorobenzene	10	12.5	125	10	12.9	129	3.1
Trichloroethene (TCE)	10	10.0	100	10	9.7	97	3.0
Surrogate Recovery							
Dibromofluoromethane			79			83	
1,2-Dichloroethane-d4			115			131	
Toluene-d8			134			132	
4-Bromofluorobenzene			71			75	

Laboratory Control Sample			
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	10	12.1	121
Benzene	10	7.4	74
Toluene	10	7.6	76
Chlorobenzene	10	9.6	96
Trichloroethene (TCE)	10	7.9	79
Surrogate Recovery			
Dibromofluoromethane			87
1,2-Dichloroethane-d4			120
Toluene-d8			130
4-Bromofluorobenzene			74

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
 ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 EPI
 Client Project # 51201.8
 Libby Project No. L111101-2

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description	Reporting	ESMW-1	ESMW-1	WC-Dup1	KBMW-10	KBMW-10	KBMW-7
			Dup			Dup	
Date Sampled	Limits	10/31/11	10/31/11	10/31/11	11/1/11	11/1/11	11/1/11
Date Analyzed	(ug/l)	11/7/11	11/7/11	11/7/11	11/7/11	11/7/11	11/7/11
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	2.0	nd	nd	nd	nd	nd	nd
Chloromethane	2.0	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.2	nd	nd	nd	nd	nd	nd
Bromomethane	2.0	nd	nd	nd	nd	nd	nd
Chloroethane	2.0	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	2.0	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	2.0	nd	nd	nd	nd	nd	nd
Methylene chloride	1.0	nd	nd	nd	nd	nd	nd
Methyl <i>tert</i> - Butyl Ether (MTBE)	5.0	nd	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd	nd
Chloroform	1.0	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Benzene	1.0	5.5	6.2	nd	nd	nd	20.6
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Dibromomethane	1.0	nd	nd	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Toluene	1.0	3.7	4.3	nd	nd	nd	20.3
Trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd	nd	2.4	2.1	4.7
1,3-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.01	nd	nd	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
Ethylbenzene	1.0	23.2	28.2	nd	nd	nd	98.6
Total Xylenes	2.0	34.7	37.1	nd	nd	nd	287
Styrenes	1.0	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 EPI
 Client Project # 51201.8
 Libby Project No. L111101-2

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description		ESMW-1	ESMW-1 Dup	WC-Dup1	KBMW-10	KBMW-10 Dup	KBMW-7
Date Sampled	Reporting	10/31/11	10/31/11	10/31/11	11/1/11	11/1/11	11/1/11
Date Analyzed	Limits	11/7/11	11/7/11	11/7/11	11/7/11	11/7/11	11/7/11
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Bromoform	1.0	nd	nd	nd	nd	nd	nd
Isopropylbenzene	4.0	8.0	8.8	nd	nd	nd	10.7
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd	nd	nd
Bromobenzene	1.0	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
n-Propylbenzene	1.0	22.1	24.3	nd	nd	nd	32.3
2-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	5.9	3.7	nd	nd	nd	50.3
tert-Butylbenzene	1.0	6.3	nd	nd	nd	nd	21.8
1,2,4-Trimethylbenzene	1.0	16.1	10.4	nd	nd	nd	160
sec-Butylbenzene	1.0	3.0	3.2	nd	nd	nd	1.5
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Isopropyltoluene	1.0	1.0	1.1	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
n-Butylbenzene	1.0	3.3	3.5	nd	nd	nd	7.7
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	5.0	nd	nd	nd	nd	nd	nd
Naphthalene	5.0	12.4	21.6	nd	nd	nd	84.7
1,2,3-Trichlorobenzene	5.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		81	89	79	87	79	77
1,2-Dichloroethane-d4		119	134	132	112	131	130
Toluene-d8		130	125	113	132	112	127
4-Bromofluorobenzene		68	74	74	76	76	77

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 EPI
 Client Project # 51201.8
 Libby Project No. L111101-2

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description		TSSMW-9	TSSMW-8	KBMW-11	Trip Blank
Date Sampled	Reporting	11/1/11	11/1/11	11/1/11	N/A
Date Analyzed	Limits	11/7/11	11/7/11	11/7/11	11/7/11
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	2.0	nd	nd	nd	nd
Chloromethane	2.0	nd	nd	nd	nd
Vinyl chloride	0.2	nd	nd	nd	nd
Bromomethane	2.0	nd	nd	nd	nd
Chloroethane	2.0	nd	nd	nd	nd
Trichlorofluoromethane	2.0	nd	nd	nd	nd
1,1-Dichloroethene	2.0	nd	nd	nd	nd
Methylene chloride	1.0	nd	nd	nd	nd
Methyl <i>tert</i> - Butyl Ether (MTBE)	5.0	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	1.0	nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	1.0	3.3	nd	nd	nd
Chloroform	1.0	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd
Benzene	1.0	69.8	4.9	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	nd	nd	nd
1,2-Dichloropropane	1.0	nd	nd	nd	nd
Dibromomethane	1.0	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	1.0	nd	nd	nd	nd
Toluene	1.0	45.4	nd	nd	nd
Trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.01	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd
Ethylbenzene	1.0	244	2.1	nd	nd
Total Xylenes	2.0	616	nd	nd	nd
Styrenes	1.0	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 EPI
 Client Project # 51201.8
 Libby Project No. L111101-2

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description		TSSMW-9	TSSMW-8	KBMW-11	Trip Blank
Date Sampled	Reporting	11/1/11	11/1/11	11/1/11	N/A
Date Analyzed	Limits	11/7/11	11/7/11	11/7/11	11/7/11
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Bromoform	1.0	nd	nd	nd	nd
Isopropylbenzene	4.0	22.4	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd
Bromobenzene	1.0	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd
n-Propylbenzene	1.0	64.2	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	70.5	nd	nd	nd
tert-Butylbenzene	1.0	35.3	nd	nd	nd
1,2,4-Trimethylbenzene	1.0	189	nd	nd	nd
sec-Butylbenzene	1.0	4.9	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd
Isopropyltoluene	1.0	2.8	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd
n-Butylbenzene	1.0	11.6	nd	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd	nd	nd	nd
Hexachloro-1,3-butadiene	5.0	nd	nd	nd	nd
Naphthalene	5.0	116	nd	nd	nd
1,2,3-Trichlorobenzene	5.0	nd	nd	nd	nd
Surrogate Recovery					
Dibromofluoromethane		85	100	82	78
1,2-Dichloroethane-d4		111	134	118	133
Toluene-d8		116	134	133	113
4-Bromofluorobenzene		73	73	74	73

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 11/1/11 Page: 1 of 1

Client: Environmental Partners Inc.

Project Manager: Glenn Hayman

Address: 295 NE Gilman Rd, Ste 201 Issaquah WA

Project Name: Whitney's

Phone: 425281-3629 Fax:

Location: Montesano WA City:

Client Project # 51201.8

Collector: E. Cuddy & M. Burbage Date of Collection: 10/31/11 & 11/1/11



Sample Number	Date	Depth	Time	Sample Type	Container Type	Analytes											Field Notes									
						VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PAH 8270 Ext.	PCB's 8082	MTCAs 5 Metals										
1 WCMW-8	10/31/11		14:07	Water	3 VOA		X			X																
2 WCMW-10			14:10				X			X																
3 WCMW-9			15:25				X			X																
4 WCMW-7			15:32				X			X																
5 WCMW-6			16:30				X			X																
6 ESMW-1			16:35				X			X																
7 WC-Dup1			-				X			X																
8 KBMW-10	11/1/11		09:05				X			X																
9 KBMW-7			10:20				X			X																
10 TSSMW-9			10:36				X			X																
11 TSSMW-8			12:00				X			X																
12 KBMW-11			12:12				X			X																
13 Trip Blanks			-		1 VOA		X			X																
14																										
15																										
16																										
17																										
18																										

Relinquished by: <u>[Signature]</u>	Date / Time: <u>11/1/11 12:24</u>	Received by: <u>[Signature]</u>	Date / Time: <u>11/1/11 12:24</u>	Sample Receipt: Good Condition? <input type="checkbox"/> Cold? <input type="checkbox"/> Seals Intact? <input type="checkbox"/> Total Number of Containers: <input type="text"/>	Remarks: <u>Normal Turn</u>
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		

Distribution: White - Lab, Yellow - File, Pink - Originator



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

November 17, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Water samples were analyzed for Gasoline by NWTPH-Gx and Volatile Organic Compounds by EPA Method 8260C on November 7 & 8, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
EPI
Client Project #51201.8
Libby Env.Project No.L111105-5

Analyses of Gasoline (NWTPH-Gx) in Water

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (ug/l)
Method Blank	11/7/11	108	nd
Method Blank	11/9/11	130	nd
TSSMW-12	11/7/11	131	nd
WC-Dup2	11/7/11	130	nd
TSSMW-7	11/8/11	128	315
KBMW-8	11/8/11	126	1990
KBMW-12	11/8/11	132	40700
KBMW-12 Dup	11/8/11	129	49000
ESMW-7	11/8/11	121	5800
KBMW-3	11/8/11	125	657
KBMW-5	11/8/11	118	nd
KBMW-1	11/8/11	133	nd
KBMW-6	11/8/11	132	nd
WC-Dup3	11/8/11	111	nd
WCMW-3	11/8/11	131	37,800
WCMW-4	11/8/11	127	7,950
WCMW-5	11/8/11	132	4350
WCMW-1R	11/8/11	int	700
WCMW-1R Dup	11/8/11	int	750
Trip Blank	11/7/11	114	nd
Practical Quantitation Limit			100

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 EPI
 Client Project # 51201.8
 Libby Project No. L111105-5

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description	Method	TSSMW-12	WC-Dup2	TSSMW-7	KBMW-8	KBMW-12
	Blank					
Date Sampled	Reporting	N/A	11/1/11	11/1/11	11/1/11	11/1/11
Date Analyzed	Limits	11/7/11	11/7/11	11/7/11	11/8/11	11/8/11
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	2.0	nd	nd	nd	nd	nd
Chloromethane	2.0	nd	nd	nd	nd	nd
Vinyl chloride	0.2	nd	nd	nd	nd	nd
Bromomethane	2.0	nd	nd	nd	nd	nd
Chloroethane	2.0	nd	nd	nd	nd	nd
Trichlorofluoromethane	2.0	nd	nd	nd	nd	nd
1,1-Dichloroethene	2.0	nd	nd	nd	nd	nd
Methylene chloride	1.0	nd	nd	nd	nd	nd
Methyl <i>tert</i> - Butyl Ether (MTBE)	5.0	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd
Chloroform	1.0	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd	nd
Benzene	1.0	nd	nd	nd	4.1	19.9
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	nd	1470
Trichloroethene (TCE)	1.0	nd	nd	nd	nd	nd
1,2-Dichloropropane	1.0	nd	nd	nd	nd	nd
Dibromomethane	1.0	nd	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd
Toluene	1.0	nd	nd	nd	nd	5.0
Trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd	3780
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd	nd	1.2	nd
1,3-Dichloropropane	1.0	nd	nd	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.01	nd	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	3.2	108
Total Xylenes	2.0	nd	nd	nd	3.3	66.3
Styrenes	1.0	nd	nd	nd	nd	9210

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

EPI

Client Project # 51201.8

Libby Project No. L111105-5

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description	Method	TSSMW-12	WC-Dup2	TSSMW-7	KBMW-8	KBMW-12
	Blank					
Date Sampled	Reporting	N/A	11/1/11	11/1/11	11/1/11	11/1/11
Date Analyzed	Limits	11/7/11	11/7/11	11/7/11	11/8/11	11/8/11
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Bromoform	1.0	nd	nd	nd	nd	nd
Isopropylbenzene	4.0	nd	nd	nd	1.4	17.8
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd	nd
Bromobenzene	1.0	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd
n-Propylbenzene	1.0	nd	nd	nd	1.9	42.1
2-Chlorotoluene	1.0	nd	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	nd	nd	nd	nd	14.5
tert-Butylbenzene	1.0	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	1.0	nd	nd	nd	nd	49.8
sec-Butylbenzene	1.0	nd	nd	nd	nd	4.5
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd	nd
Isopropyltoluene	1.0	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd	nd
n-Butylbenzene	1.0	nd	nd	nd	nd	7.3
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	5.0	nd	nd	nd	nd	nd
Naphthalene	5.0	nd	nd	nd	14.2	45.4
1,2,3-Trichlorobenzene	5.0	nd	nd	nd	nd	nd
Surrogate Recovery						
Dibromofluoromethane		80	88	85	88	87
1,2-Dichloroethane-d4		123	130	130	119	130
Toluene-d8		108	131	130	128	126
4-Bromofluorobenzene		72	75	70	73	74

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 EPI
 Client Project # 51201.8
 Libby Project No. L111105-5

QA/QC Data - EPA 8260C Analyses

Sample Identification: WC-Dup3							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	
1,1-Dichloroethene	10	11.3	113	10	10.7	107	5.5
Benzene	10	9.0	90	10	11.3	113	22.7
Toluene	10	9.0	90	10	9.0	90	0.0
Chlorobenzene	10	12.8	128	10	10.5	105	19.7
Trichloroethene (TCE)	10	9.6	96	10	11.3	113	16.3

Surrogate Recovery			
Dibromofluoromethane		81	119
1,2-Dichloroethane-d4		134	125
Toluene-d8		126	113
4-Bromofluorobenzene		72.0	74

Laboratory Control Sample			
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	10	11.6	116
Benzene	10	8.9	89
Toluene	10	7.5	75
Chlorobenzene	10	11.9	119
Trichloroethene (TCE)	10	7.7	77

Surrogate Recovery		
Dibromofluoromethane		85
1,2-Dichloroethane-d4		126
Toluene-d8		116
4-Bromofluorobenzene		74

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
 ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

EPI

Client Project # 51201.8

Libby Project No. L111105-5

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description		ESMW-7	KBMW-3	KBMW-5	KBMW-1	KBMW-6	WC-Dup3
Date Sampled	Reporting	11/1/11	11/2/11	11/2/11	11/2/11	11/2/11	11/2/11
Date Analyzed	Limits	11/8/11	11/8/11	11/8/11	11/8/11	11/8/11	11/8/11
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	2.0	nd	nd	nd	nd	nd	nd
Chloromethane	2.0	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.2	nd	nd	nd	nd	nd	nd
Bromomethane	2.0	nd	nd	nd	nd	nd	nd
Chloroethane	2.0	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	2.0	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	2.0	nd	nd	nd	nd	nd	nd
Methylene chloride	1.0	nd	nd	nd	nd	nd	nd
Methyl <i>tert</i> - Butyl Ether (MTBE)	5.0	nd	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	1.0	nd	5.6	nd	nd	nd	nd
Chloroform	1.0	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Benzene	1.0	135	6.3	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Dibromomethane	1.0	nd	nd	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Toluene	1.0	31.4	1.2	nd	nd	nd	nd
Trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.01	nd	nd	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
Ethylbenzene	1.0	520	12.3	nd	nd	nd	nd
Total Xylenes	2.0	645	15.2	nd	nd	nd	nd
Styrenes	1.0	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

EPI

Client Project # 51201.8

Libby Project No. L111105-5

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description		ESMW-7	KBMW-3	KBMW-5	KBMW-1	KBMW-6	WC-Dup3
Date Sampled	Reporting	11/1/11	11/2/11	11/2/11	11/2/11	11/2/11	11/2/11
Date Analyzed	Limits	11/8/11	11/8/11	11/8/11	11/8/11	11/8/11	11/8/11
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Bromoform	1.0	nd	nd	nd	nd	nd	nd
Isopropylbenzene	4.0	29.2	2.2	nd	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd	nd	nd
Bromobenzene	1.0	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
n-Propylbenzene	1.0	73.3	3.8	nd	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	52.6	nd	nd	nd	nd	nd
tert-Butylbenzene	1.0	47.7	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	1.0	357	7.5	nd	nd	nd	nd
sec-Butylbenzene	1.0	5.2	3.3	nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Isopropyltoluene	1.0	2.1	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
n-Butylbenzene	1.0	9.3	1.3	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	5.0	nd	nd	nd	nd	nd	nd
Naphthalene	5.0	133	12.9	nd	nd	nd	nd
1,2,3-Trichlorobenzene	5.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		88	83	88	80	90	90
1,2-Dichloroethane-d4		127	122	118	109	121	132
Toluene-d8		121	125	118	133	132	111
4-Bromofluorobenzene		73	73	72	71	73	73

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

EPI

Client Project # 51201.8

Libby Project No. L111105-5

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description	Reporting Limits (ug/l)	WCMW-3	WCMW-4	WCMW-5	WCMW-1R	WCMW-1R Dup	Trip Blank
		11/2/11 (ug/l)	11/2/11 (ug/l)	11/2/11 (ug/l)	11/2/11 (ug/l)	11/2/11 (ug/l)	N/A 11/7/11 (ug/l)
Dichlorodifluoromethane	2.0	nd	nd	nd	nd	nd	nd
Chloromethane	2.0	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.2	nd	nd	nd	nd	nd	nd
Bromomethane	2.0	nd	nd	nd	nd	nd	nd
Chloroethane	2.0	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	2.0	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	2.0	nd	nd	nd	nd	nd	nd
Methylene chloride	1.0	nd	nd	nd	nd	nd	nd
Methyl <i>tert</i> - Butyl Ether (MTBE)	5.0	nd	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd	nd
Chloroform	1.0	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Benzene	1.0	394	13.1	51.4	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	3.9	nd	nd	nd	nd
1,2-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Dibromomethane	1.0	nd	nd	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Toluene	1.0	2980	236	176	1.1	1.2	nd
<i>Trans</i> -1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	14.9	21.1	4.7	nd	1.5	nd
1,3-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.01	nd	nd	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
Ethylbenzene	1.0	1760	385	278	2.5	2.6	nd
Total Xylenes	2.0	8810	1730	830	25.4	30.2	nd
Styrenes	1.0	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

EPI

Client Project # 51201.8

Libby Project No. L111105-5

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN WATER

Sample Description		WCMW-3	WCMW-4	WCMW-5	WCMW-1R	WCMW-1R Dup	Trip Blank
Date Sampled	Reporting	11/2/11	11/2/11	11/2/11	11/2/11	11/2/11	N/A
Date Analyzed	Limits	11/8/11	11/8/11	11/8/11	11/8/11	11/8/11	11/7/11
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Bromoform	1.0	nd	nd	nd	nd	nd	nd
Isopropylbenzene	4.0	73.6	21.8	11.7	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd	nd	nd
Bromobenzene	1.0	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
n-Propylbenzene	1.0	256	59.2	32.3	3.4	4.0	nd
2-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	588	143	26.7	16.3	14.7	nd
tert-Butylbenzene	1.0	298	79.3	8.2	5.4	3.0	nd
1,2,4-Trimethylbenzene	1.0	2220	636	61.0	40.7	41.9	nd
sec-Butylbenzene	1.0	nd	3.9	1.5	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Isopropyltoluene	1.0	11.8	4.0	1.1	1.2	1.3	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
n-Butylbenzene	1.0	18.5	132	3.3	5.3	2.2	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	5.0	nd	nd	nd	nd	nd	nd
Naphthalene	5.0	534	192	77.7	6.3	11.0	nd
1,2,3-Trichlorobenzene	5.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		85	92	85	83	91	89
1,2-Dichloroethane-d4		127	129	108	118	108	135
Toluene-d8		125	130	135	int	127	114
4-Bromofluorobenzene		74	74	74	70	76	73

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 11/2/11

Page: 1 of 1

Client: Environmental Partners, Inc.

Project Manager: Glean Hayman

Address: 295 NE Gilman Blvd, Inaqua

Project Name: Whitneys

Phone: 425-281-3629 Fax:

Location: Muntersand City:

Client Project # 57201.8

Collector: E. Caddey & M. Busbee Date of Collection: 11/1/11 & 11/2/11



Sample Number	Date	Depth	Time	Sample Type	Container Type	Analytes											Field Notes							
						VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals									
1 TSSMW-12	11/1/11	13:10	11:11	Water	VUA-3		X			X														
2 WC-Dup2	11/1/11						X			X														
3 TSSMW-7			12:48				X			X														
4 KBMW-8			14:55				X			X														
5 KBMW-12			15:00				X			X														
6 ESMW-7			16:35				X			X														
7 KBMW-3	11/2/11		08:45				X			X														
8 KBMW-5			08:50				X			X														
9 KBMW-1			09:51				X			X														
10 KBMW-6			10:00				X			X														
11 WC-Dup3							X			X														
12 WCMW-3			11:27				X			X														
13 WCMW-4			11:25				X			X														
14 WCMW-5			12:20				X			X														
15 WCMW-1R			12:45				X			X														
16 Trip blank							X			X														
17																								
18																								

Relinquished by:	Date / Time: 11/2/11 15:40	Received by:	Date / Time: 11/2/11 15:40	Sample Receipt:	Remarks: Normal Turn
Relinquished by:	Date / Time:	Received by:	Date / Time:	Good Condition?	
Relinquished by:	Date / Time:	Received by:	Date / Time:	Cold?	
Relinquished by:	Date / Time:	Received by:	Date / Time:	Seals Intact?	
				Total Number of Containers	

Distribution: White - Lab, Yellow - File, Pink - Originator

Appendix 5
Geophysical Survey Conducted by NGA



**Northwest
Geophysical
Associates, Inc.**

1600 SW Western Boulevard, Suite 200
PO Box 1063, Corvallis, OR 97339-1063
Phone: (541) 757-7231 FAX: (541) 757-7331
wwwga.com info@nga.com

September 30, 2011
NGA Ref: 800

Thomas C. Morin, L.G.
Environmental Partners, Inc.
295 NE Gilman Blvd., Suite 201
Issaquah, WA 98027

**Re: *Geophysical Site Investigation
124 W. Pioneer Ave,
Montesano, Washington***

Dear Mr. Morin;

Northwest Geophysical Associates (NGA) presents this letter report summarizing the findings of a geophysical site investigation conducted over a sidewalk area adjacent to the Whitney Chevrolet facility, 124 W. Pioneer Ave, Montesano, Washington. The area of concern covers a sidewalk parcel of approximately 2,000 square feet. The objective of the survey was to locate any abandoned underground storage tanks (USTs) that may remain from previous operations on the site.

NGA understands that two underground storage tanks (USTs) were located at the site and are thought to still be present. The geophysical site investigation is designed to locate those tanks or provide evidence that they have been removed.

The site, shown in Figure 1, is currently a vacant lot with sidewalks on the south and west sides of the lot. A structure previously at the site had been demolished prior to this field survey. Surface cover was primarily silty, sandy gravel. The northern and eastern boundaries included zones of metallic interference. The northern margin of the site was bounded by metallic scaffold and the northeastern corner of the site contained a bobcat type backhoe that was not moved prior to the survey. Some debris from the demolition, such as ductile iron pipe, was visible at the surface near the eastern edge of the property.

Results of this geophysical investigation are summarized in Figure 2, the *Geophysical Interpretation Summary*, and discussed below in the section, *Results and Interpretation*.

FIELD SURVEY

The geophysical investigation included:

- a ground penetrating radar (GPR) survey utilizing a Geophysical Survey Systems Inc. SIR2000 control unit with a 400 MHz antenna.
- a magnetic (MAG) survey utilizing a Geometrics G858G magnetometer/gradiometer.

Prior to performing the GPR and MAG surveys, a Fisher products TW-6 pipe and cable locator was used in a two-box configuration to sweep the survey area. In a two-box configuration the TW-6 acts as a metal detector that is useful as a preliminary tool to define concentrations of metal.

Fieldwork was conducted September 20, 2011, by a project geophysicist from NGA.

Basic principles of these techniques are described in Appendix A, *Geophysical Detection of Buried Objects*.

Survey Positioning and Mapping Control

MAG and GPR data were positioned using a local grid, established using 300 foot tape measures.

The geophysical survey grid origin was placed at the SW corner of the survey area within the street at the intersection of W. Pioneer Ave and S 1st Street. For final presentation we have converted our field coordinates to State Plain coordinates – WA South. Our site map, including various cultural features, is drawn from GPS waypoints collected at the time of the survey.

Magnetic Data Acquisition

The MAG survey was conducted using a Geometrics G858G cesium magnetometer/gradiometer. This instrument was run in the “continuous” sampling mode, recording the magnetic field at 0.1 second intervals (approximately 1 foot). Fiducial marks were added to the data every 20 feet to ensure high levels of accuracy. Two magnetic sensors spaced 0.5 meters apart, one above the other, were used to obtain the vertical magnetic gradient. Line spacing for the MAG survey was 5 feet. Results of the MAG survey are included in Figure 2.

GPR Data Acquisition

The GPR survey was conducted using a Geophysical Survey Systems, Inc. (GSSI) SIR3000 control unit and a 400 MHz cart-mounted antenna. GPR lines were run at 5 foot intervals oriented North-South. Line locations are shown on Figure 2.

DATA PROCESSING

MAG data were gridded and contoured using the Geosoft OasisMontaj data processing and analysis software system. A color-contoured grid of the MAG data is included on Figure 2.

Magnetic Field Data

Magnetic field data were analyzed to create a plot of magnetic analytic signal, shown on Figure 2. The analytic signal provides a simplified signature and better resolution of the anomalous areas than unprocessed field data. A high in the analytic signal occurs directly over the magnetic source. MAG anomalies are summarized in the results and interpretation section below.

Ground Penetrating Radar Data

GPR data profiles were analyzed for reflections consistent with subsurface tanks or voids. The GPR technique provides a continuous profile of the subsurface, and is limited by the presence of moisture and clay in the subsurface. At this site the GPR depth of investigation was limited to approximately four feet.

RESULTS AND INTERPRETATION

MAG Analytic Signal data as well as results of the cursory TW-6 sweep are represented in Figure 2, *Geophysical Interpretation Summary*, and summarized below. Though two former UST's were thought to be present within the area of this survey, our data only provides definitive evidence for one. While completing site-work for this survey the identified MAG and TW-6 anomaly was excavated, a UST was encountered, and it was removed.

Anomaly A

Anomaly A (Figure 2) was first defined as a TW-6 anomaly with a strong metallic response. It is also defined as strong MAG anomaly. One GPR profile across this area displayed a signal response typical of a UST. A UST was subsequently removed at this location.

Anomaly B:

Anomaly B is a somewhat linear anomaly that is strongest at the edge of the sidewalk along 1st Street South. A water valve cover was visible within the sidewalk and a water spigot was protruding from the surface within the site of the former building. Our opinion is this MAG anomaly is related to a buried water utility in this location.

Anomaly C

Anomaly C is an area that elicited a moderate TW-6 response. The boundaries of this zone are poorly defined which is typical of metallic debris more so than of something such as a UST. A large amount of pea-gravel was visible at the surface in this area. MAG and GPR were not able to resolve any anomaly typical of a UST in this area.

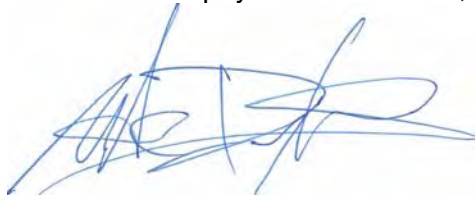
CLOSURE

Geophysical surveys performed as part of this survey may or may not successfully detect or delineate any or all subsurface objects or features present. Locations, depths and scale of buried objects or subsurface features mapped as a result of this survey are a result of geophysical interpretation only, and should be considered as confirmed, actual, or accurate only where recovered by excavation or drilling.

Northwest Geophysical Associates, Inc. performed this work in a manner consistent with the level of skill ordinarily exercised by members of the profession currently practicing under similar conditions. No warranty, express or implied, beyond exercise of reasonable care and professional diligence, is made. This report is intended for use only in accordance with the purposes of the study described within.

Thank you for the opportunity to work with you on this project. Please feel free to call if you have questions or need additional information.

Yours truly,
Northwest Geophysical Associates, Inc.



Michael A. Douglas, R.G.
Project Geophysicist

Attachments: Figures 1 & 2
Appendix A - *Geophysical Detection of Buried Objects*

FILE: Montesano rpt01.doc
PROJECT: 800

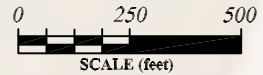
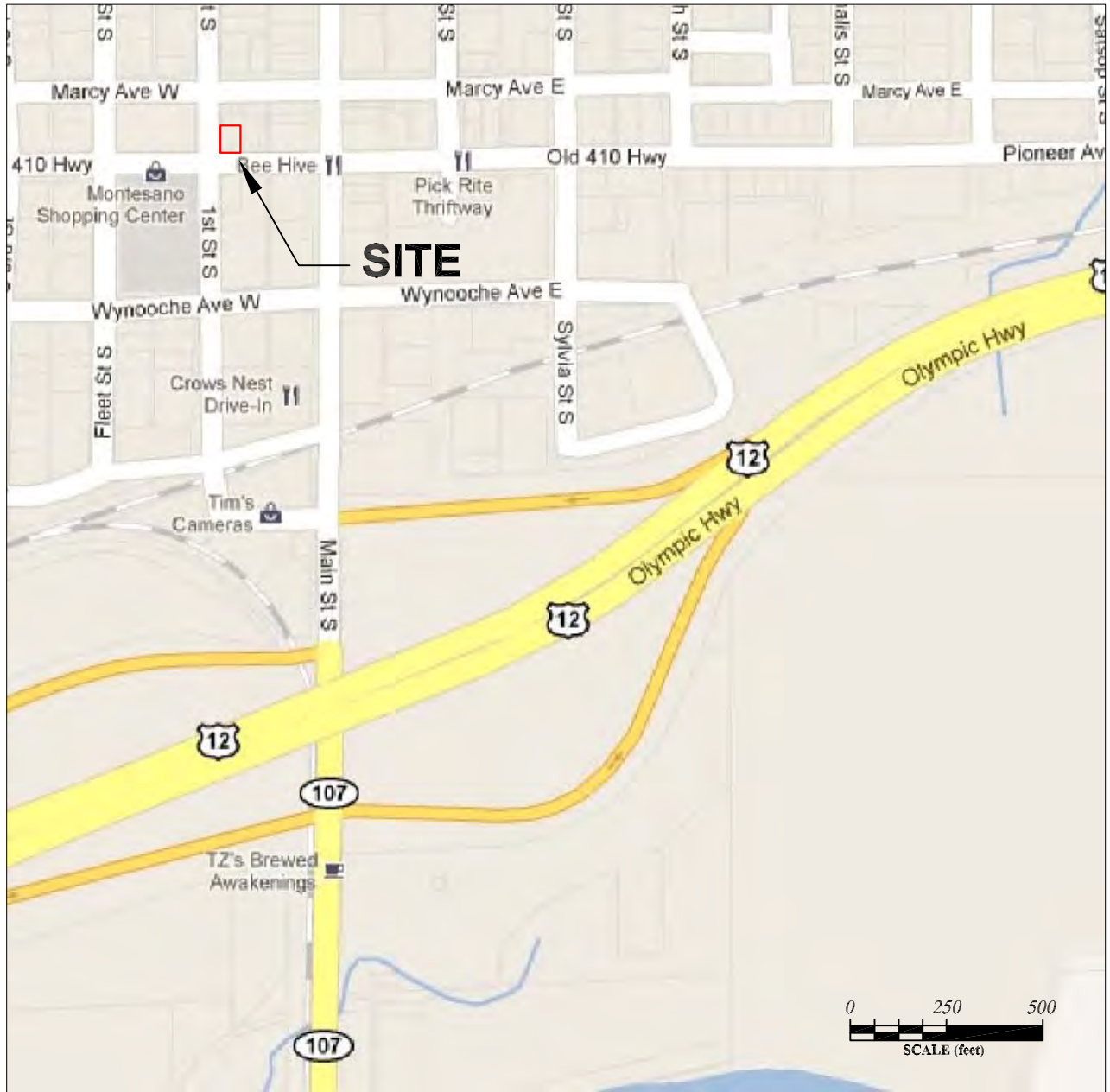
REVISION: A

DATE: 09/2011

FILE: FIGURE1.DWG

800

NGA Project #:



Prepared For:



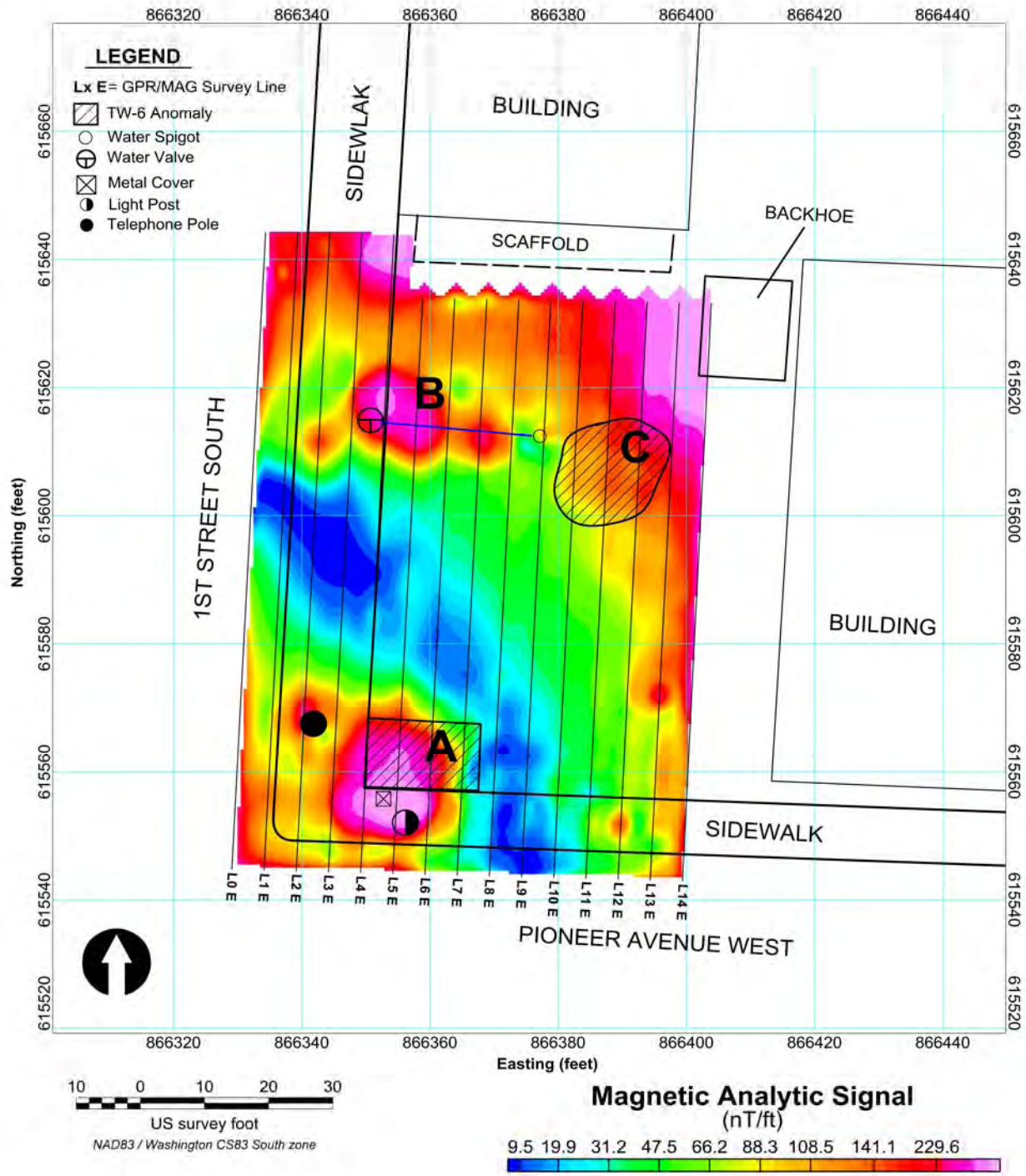
Prepared by:



FIGURE 1

SITE LOCATION PLAN

Geophysical Site Investigation
124 West Pioneer Avenue
Montesano, WA



Prepared For:



Prepared By:



Figure 2
Geophysical Data Summary

Geophysical Site Investigation
124 W. Pioneer Ave
Montesano, WA

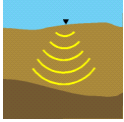


Photo 1-EM61



Photo 2-GPR



Photo 3-Magnetometer



Photo 4-EM31

GEOPHYSICAL DETECTION OF BURIED OBJECTS

INTRODUCTION

Several geophysical techniques are used for locating buried objects such as underground storage tanks, pipes, utilities, drums and other debris. These techniques are used routinely, and are often recommended or required by state agencies, funding institutions and/or the EPA, particularly on sites where underground burial of steel drums or other debris may have occurred or where underground storage tanks are suspected.

Geophysics is generally used in the early reconnaissance phase of these investigations as a guide to sampling, excavation and/or placement of monitoring wells. In this paper we describe three of the most common geophysical techniques, electromagnetics (EM), magnetics (MAG) and ground penetrating radar (GPR).

Geophysical Detection Of Buried Objects

UTILITY OF GEOPHYSICS:

First, a few words about "geophysics" as used for environmental and geotechnical engineering applications. Surface geophysical techniques probe subsurface materials (soils and rock) using surface instruments. This is done by measuring physical signals which have interacted with the earth materials. These signals may be electrical, magnetic, acoustic (seismic) or electromagnetic.

Surface geophysics offers several advantages over other exploration techniques:

- 1) Surface geophysical methods are "**non-intrusive**" in that they do not disturb the ground surface, or stir up any contaminants which might be in the soil.
- 2) Geophysical methods **measure earth properties over a large volume**. Whereas drilling only samples the earth at the point of the borehole, the measured geophysical response is affected by earth materials several feet, or tens of feet, away from the instrument sensor. This allows broad areas to be effectively "screened" with a series of surface measurements.
- 3) Most geophysical equipment used in environmental and geotechnical applications **can be hand carried**. Geophysical surveys do not require vehicular access, but only a walking path, clear of brush and obstacles.
- 4) Geophysical surveys are relatively **inexpensive** and can be performed quickly.

TYPICAL OBJECTIVES:

Geophysics may be used in either the reconnaissance mode, or in a detailed survey mode. In the reconnaissance mode, geophysics is used to "screen" large areas to determine the presence or absence of buried objects. In more detailed surveys, the location and extent of the object is mapped in greater detail. This facilitates the efficient excavation of tanks or debris, aids the effective placement of monitoring wells, or improves the design of a sampling program.

The techniques discussed here are also useful for objectives other than identifying buried objects. Electromagnetic induction (EM) is especially useful in mapping changes in soil (e.g. sand or gravel channels), mapping clay aquitards and mapping contaminant leachate plumes in groundwater. GPR can be used to map shallow stratigraphy or to map zones of disturbed soils.

GEOPHYSICAL METHODS:

Three geophysical methods are commonly used in the search for buried objects: 1) electromagnetic induction (EM), 2) magnetics (MAG), and 3) ground penetrating radar (GPR). EM and magnetics are complementary methods, most effective in the reconnaissance mode but also useful for more detailed work. GPR is most effective for detailed work, but may also be used in reconnaissance surveys.

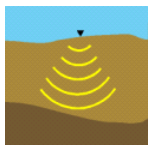
Electromagnetic Methods:

The electromagnetic induction (EM) technique measures the electrical conductivity of the earth by inducing a time varying electric current in the earth. This is shown schematically in Figure 1. The EM technique was developed to measure natural soil conductivity to aid in identifying soil types and to measure rock conductivity in order to identify zones of conductive mineralization.

Man made metallic objects are generally orders of magnitude more conductive than natural soils. Thus, the electric currents induced in the ground by EM instruments will be dramatically affected by the presence of any man made metallic object. Examples include pipes, tanks, cables, concrete reinforcing steel, or steel drums. By looking for anomalous signals which cannot be attributed to natural soils, buried metallic objects can readily be identified.

Frequency-domain EM – EM31

Frequency-domain EM systems transmit a sinusoidal waveform at a fixed frequency, or multi-



ple frequencies. The resulting secondary magnetic field may be phase shifted, depending on the nature of the target. Both the in-phase component (in phase with the primary magnetic field) and the quadrature phase component (shifted 90° from the primary field) can be measured to provide the phase shift information.

The Geonics EM31 is a common frequency domain EM instrument, often used for buried object detection. The cover photo 4 shows the EM31 in a field situation. Figure 1 is a schematic showing the principles of operation. A transmitter coil is in one end of the boom and a receiver coil in the other end. Depth of investigation for the EM-31 is generally 10-15 feet, but it may detect large metal objects at a somewhat greater distance. The instrument can quickly cover a wide area, mapping anomalous areas (metallic object locations) as well as changes in the soil character.

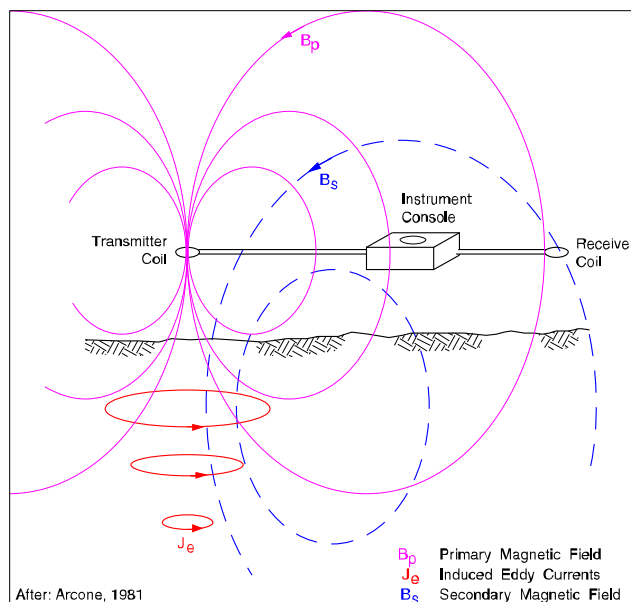
Figure 2 shows some sample data over a disposal site where 55 gallon steel drums had been dumped on in a field and then covered with soil. The noisy and/or negative "apparent" conductivity is a clear indicator of metallic objects. The EM31 also records an "in-phase response" which aids in identifying metallic conductors. Data in Figure 2 indicate the zone of burial covers most of the north-west expanse of the site.

Time-domain EM – EM61

Time-domain EM systems transmit a magnetic pulse, with a duration in the order of tens of microseconds (μs). That magnetic pulse induces electric currents in the ground as well as in any metallic object which is buried (or on the surface) within its range of influence. Currents induced in metallic conductors decay at a much slower rate than currents induced in the ground. Hence, metallic conductors can be easily identified.

The EM61-MK2a cover photo 1 is a time-domain metal detector manufactured by Geonics, Ltd., of Toronto, Canada. The EM61-MK2a instrument consists of two horizontal air cored coils, 1.0

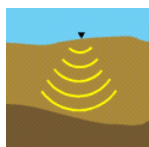
FIGURE 1
PRINCIPLES OF ELECTROMAGNETIC INDUCTION



meter by 0.5 meters in size. The bottom coil acts as a receiver and transmitter and the top coil as a receiver. The instrument weighs about 75 lbs. and is pulled by one operator.

The Geonics EM61-MK2a has 4 time gates, to measure the rate of decay of the signal, and two receiver coils, to measure the field gradient. The rate of decay is dependant on the size, shape, and orientation of the metallic object. Generally, the EM61 is used to estimate gross target parameters, but can be used for more detailed discrimination of targets, particularly in identifying unexploded ordnance (UXO) materials.

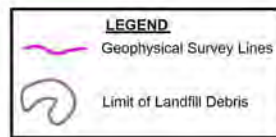
The two receiver coils are very helpful in the differentiating between near surface objects and deeper objects. Since the amplitude of the response is highly dependent on the distance between the coil assembly and target, small near surface targets often produce a response orders of magnitude larger than targets having greater size at deeper depths. This masking effect form the near surface



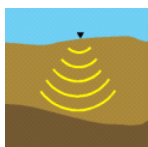
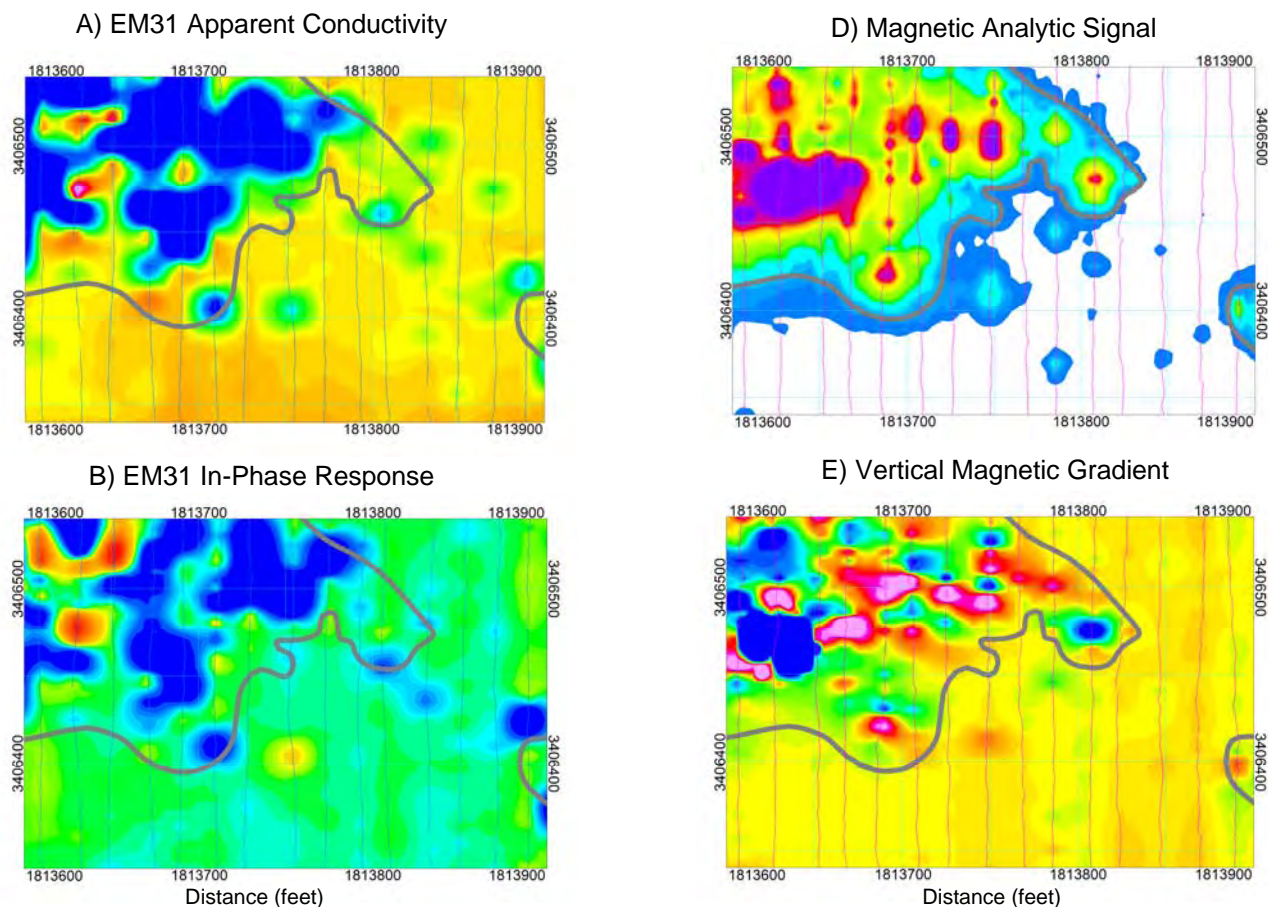
Geophysical Detection Of Buried Objects

materials is drastically reduced by processing output of the two coils, essentially subtracting a portion of the bottom coil response from the top coil response. This is referred to as the differential mode or the differential signal.

Figure 3 shows some sample data over a 55 gallon steel drums partially buried, essentially flush with the surface of the ground. The response from the top and bottom coils is indicative of a substantial metallic presence. The relatively weak differential response is indicative of a shallow target.

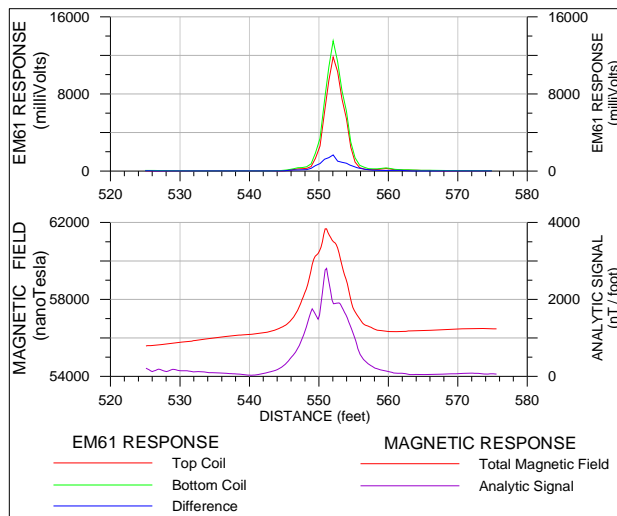


**FIGURE 2
 EM31 & MAGNETIC GRIDS**



Geophysical Detection Of Buried Objects

FIGURE 3
EM61 & MAGNETIC PROFILES OVER
PARTIALLY BURIED 55 GALLON DRUM



Magnetic Methods:

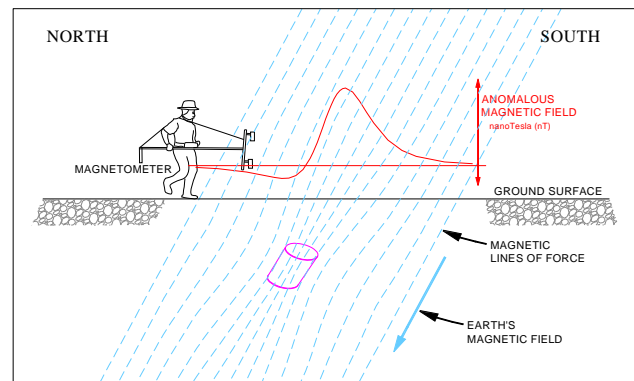
Magnetic methods measure disturbances in the earth's natural magnetic field. These disturbances are caused by magnetic materials, either magnetic rocks, or man made objects containing iron or steel. This is shown schematically in Figure 4. Most soils have negligible magnetization (both induced and remanent). Thus, most magnetic disturbances from shallow sources can be attributed to iron or steel objects which have been placed there by man's activities.

Magnetometers used for buried object detection usually measure the gradient of the magnetic field. This is done by measuring the difference between the magnetic field at two sensors separated vertically by two or three feet. This configuration is more sensitive to nearby disturbances, and is less effected by disturbances caused by distant objects or shallow bedrock.

The photo 3 on the cover shows a magnetometer/gradiometer. This instrument can also cover wide areas quickly, providing complementary data to the EM. Figure 2 includes total magnetic

field data, gradiometer data, and magnetic analytic signal data over the barrel disposal area. The large deviations in both total field and gradient are indicative of steel objects in close proximity.

FIGURE 4
PRINCIPLES OF MAGNETIC EXPLORATION

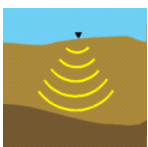


Ground Penetrating Radar:

Ground penetrating radar (GPR), like other radar techniques, sends out an electromagnetic pulse (radio wave or microwave) which is reflected off a "target" and returns to the receiver. GPR operates at lower frequencies (80-1500 MHz) than other radar to obtain better penetration in the earth materials. The antenna is pulled slowly along the ground surface to produce a continuous subsurface profile.

The photo 2 on the cover shows a GPR unit in operation. The 400 MHz antenna shown is being pushed in its cart. The control and recording unit is carried on the cart enabling one person operation.

Figure 5 is an example GPR profile over a shallow vault. The vertical scale is a time scale, giving the time for the radar pulse to travel down to the reflector and return to the receiver. Knowing the pulse velocity in the soils, we can convert this to depth. The horizontal scale corresponds to distance along the surface. Fiducial time marks on the

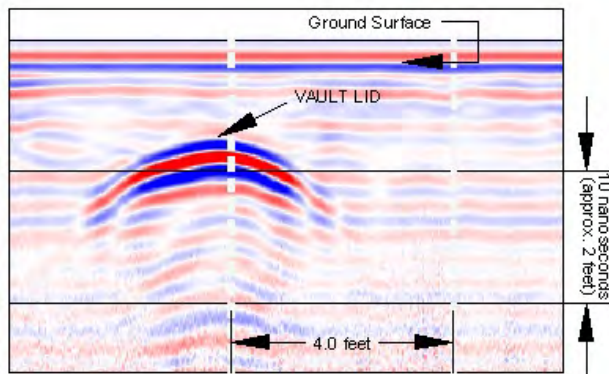


Geophysical Detection Of Buried Objects

record are placed at four foot intervals. The vault lid reflector shown appears as a hyperbola on the record. The vault lid produces a strong reflection with a characteristic ringing of the electronics, which appears as a dark red or blue band below the first arrival from the vault lid.

GPR is a tool for looking at selected areas in detail. Its continuous subsurface profiles give a graphic portrayal of subsurface conditions, and often provide an excellent means of accurately locating pipes and tanks. However, the GPR depth of exploration is strongly dependent on soil conductivity and subsurface conditions. In dry, sandy soils useful data may be obtained from depths down to 15 feet, whereas in conductive clay soils, typical of the Willamette valley, investigation depth is often limited to 2 or 3 feet.

FIGURE 5
SAMPLE GPR PROFILE



DISCUSSION:

As we have stressed, EM and magnetics are effective in screening large areas quickly to identify areas where buried objects may be present. Often these techniques can provide a rough estimate of the size and depth of the object causing the anomalous readings.

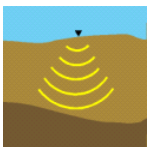
The choice of frequency domain EM (i.e. EM31) versus time-domain EM (i.e. EM61) depends on the objectives and the site. The EM61 is very effective at identifying small pieces of metal (e.g. unexploded ordnance), and offers some depth and discrimination capability. It is also less sensitive to cultural noise (e.g. buildings, vehicles, etc.) than the EM31. The EM61 can often resolve anomalies which are close together, where the EM31 does not. However, the EM61 requires a tight line spacing, typically 1 meter, to assure the area is covered. Also, the wheeled cart is difficult or impossible to operate on some sites (the EM61 can also be carried on a shoulder harness but is very awkward).

The EM31 is favored over the EM61 on more open sites where the objective is to locate underground tanks, drums, or collections of debris. The broader sphere of influence of the EM31 allows it to be run on a coarser line spacing, typically 5-20 feet depending on the target.

A major limitation of both EM and MAG is their sensitivity to "cultural noise". Buildings, fences, metallic surface debris, and vehicles all create cultural noise. The EM and magnetic instruments respond to any metallic objects, whether buried or in plain view above ground. Thus, areas within 20 to 40 feet of buildings, vehicles or pipelines will be masked by the strong response from those objects. EM and magnetics will not be able to definitively identify other buried objects within that masked zone.

GPR on the other hand is fairly immune to those forms of cultural noise. The radar signal is confined to a broad beam, spreading at roughly a 45° angle, beneath the antenna. Most antennas are well shielded with little upward propagation of the pulse. Thus GPR can be run next to buildings, fences and parked vehicles. GPR may be run inside buildings and even over reinforced concrete.

Because the GPR beam is directional, it does not have the same utility as a reconnaissance tool



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as the EM and magnetics. Whereas the latter techniques would readily detect a large tank 10 or 20 feet off the survey line, GPR would not detect the tank unless the survey line passed directly over the tank.

CONCLUSIONS

No geophysical technique should be used without some form of "ground truth" by drilling, excavation, or some other form of sampling. The geophysical signature of an underground storage tank may be very similar to that of a buried automobile. However, geophysics can eliminate random drilling or extensive excavation when searching for underground tank or other materials.

To conclude, EM, magnetic, and GPR techniques are effective, complimentary techniques used in the detection and delineation of subsurface metallic objects. The choice of technique or techniques depends very much on both site conditions and the survey objective.

FURTHER READING:

- Benson, R.C., Glaccum, R.A., and Noel, M.R., 1982, Geophysical techniques for sensing buried wastes and waste migration: Report prepared by TECHNOS, Inc. for EPA, Advanced Monitoring Systems Division, Las Vegas, pp.235.
- Evans, R.B., 1982, Currently available geophysical methods for use in hazardous waste site investigations: from Risk Assessment at Hazardous Waste Sites, ACS symposium series No.204, p.93-115.
- French, R.B., Williams, T.R., and Foster, A.R., 1988, Geophysical surveys at a superfund site, Western Processing, Washington: Proc. of SAGEEP, March 1988, Golden, Colorado, p.747-753.
- McNeill, J.D., 1990, Use of electromagnetic methods for groundwater studies: in Geotechnical and Environmental Geophysics, ed.: S.H.Ward, SEG, IG#5, p.191:218.
- Romig, Phillip, 1992, Engineering and Environmental Geophysics Get Top Billing at SAGEEP.: The Leading Edge Vol. 11, No. 11, P.36-37.

DISCUSSION OF GEOPHYSICAL

TECHNIQUES

GEOPHYSICAL DETECTION OF BURIED

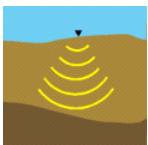
OBJECTS

Northwest Geophysical Associates, Inc.
P.O. Box 1063
Corvallis, Oregon 97339
<http://www.nga.com>
Phone: (541) 757-7231

Rowland B. French, Ph.D., R.G.
President

Neil T. McKay, G.I.T
Project Geophysicist

FILE: B-B_TECH.pub
REVISION: 23-SEP-2010



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Appendix 6
Laboratory Analytical Reports for
Soil Samples for UST-7



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 13, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx and BTEX by EPA Method 8260C, PCE by EPA Method 8260C, Hydrocarbon Identification by NWTPH-HCID, Oil by NWTPH-Dx/Dx Extended, PAH (Polycyclic Aromatic Hydrocarbons) by EPA Method 8270 and Lead by EPA Method 7421 on September 23, 25, 26 & 27, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110921-5

BTEX BY EPA METHOD 8260C IN SOIL

Sample Description	Method Blank	UST-STOCK 1	UST-STOCK 2	UST-STOCK 3	UST-SSW @5	
Date Sampled	Reporting	N/A	9/20/11	9/20/11	9/20/11	
Date Analyzed	Limits	9/26/11	9/26/11	9/26/11	9/26/11	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Benzene	0.02	nd	nd	nd	nd	
Toluene	0.03	nd	nd	nd	nd	
Ethylbenzene	0.03	nd	nd	nd	nd	
Total Xylenes	0.03	nd	nd	nd	nd	
Surrogate Recovery						
Dibromofluoromethane		74	73	70	77	75
1,2-Dichloroethane-d4		129	134	129	133	132
Toluene-d8		118	129	111	115	122
4-Bromofluorobenzene		84	82	87	88	84
"nd" Indicates not detected at listed detection limit.						
"int" Indicates that interference prevents determination.						

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110921-5

QA/QC Data - EPA 8260C Analyses

Sample Identification: L110922-10 MS							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Benzene	0.50	0.44	88	0.50	0.49	98	10.8
Toluene	0.50	0.39	78	0.50	0.44	88	12.0
Surrogate Recovery							
Dibromofluoromethane			78			76	
1,2-Dichloroethane-d4			128			132	
Toluene-d8			113			114	
4-Bromofluorobenzene			82			84	

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.54	108
Toluene	0.50	0.54	108

Surrogate Recovery		
Dibromofluoromethane		104
1,2-Dichloroethane-d4		126
Toluene-d8		134
4-Bromofluorobenzene		78

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110921-5

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		Method Blank	UST-BOT @7
Date Sampled	Reporting	N/A	9/20/11
Date Analyzed	Limits (mg/kg)	9/26/11 (mg/kg)	9/26/11 (mg/kg)
Benzene	0.02	nd	nd
MTBE	0.05	nd	nd
Toluene	0.03	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd
Ethylbenzene	0.03	nd	nd
Total Xylenes	0.03	nd	nd
Gasoline	10	nd	nd
Surrogate Recovery			
Dibromofluoromethane		69	74
1,2-Dichloroethane-d4		116	125
Toluene-d8		131	130
4-Bromofluorobenzene		86	85
"nd" Indicates not detected at listed detection limit.			
"int" Indicates that interference prevents determination.			

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110921-5

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	UST-NSW	UST-NSW
	Blank	@5	@5 Dup
Date Sampled	Reporting	N/A	9/20/11
Date Analyzed	Limits	9/26/11	9/27/11
	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd
MTBE	0.05	nd	nd
1,2-Dichloroethane (EDC)	0.02	nd	nd
Dibromoethane (EDB)	0.005	nd	nd
Toluene	0.03	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd
Ethylbenzene	0.03	nd	nd
Total Xylenes	0.03	nd	nd
Surrogate Recovery			
Dibromofluoromethane	69	74	78
1,2-Dichloroethane-d4	116	121	131
Toluene-d8	131	113	115
4-Bromofluorobenzene	86	84	84

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110921-5

Hydrocarbon Identification by NWTPH-HCID for Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (mg/kg)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Heavy Oil (mg/kg)
Method Blank	9/23/11	98	nd	nd	nd	nd
UST-Stock 1	9/23/11	88	nd	nd	nd	nd
UST-Stock 2	9/23/11	71	nd	nd	nd	nd
UST-Stock 3	9/23/11	99	nd	D	nd	nd
UST-Bot 7	9/23/11	68	nd	nd	nd	nd
UST-Bot 7 Dup	9/23/11	70	nd	nd	nd	nd
UST- NSW 5	9/23/11	104	nd	D	nd	nd
UST- SSW 5	9/23/11	88	nd	nd	nd	nd
Practical Quantitation Limit			20	50	100	100

"nd" Indicates not detected at listed detection limits.

"D" Indicates detected above the listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Jamie Hart

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110921-5

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	9/25/11	nd
UST-Bot 7	9/25/11	nd
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110921-5

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
LCS	9/25/11	96%
L110920 MS	9/25/11	70%
L110920 MSD	9/25/11	int
RPD	9/25/11	int
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110921-5

Analyses of Diesel (NWTPH-Dx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)
Method Blank	9/23/2011	117	nd
UST-Stock 3	9/23/2011	99	102
UST- NSW 5	9/23/2011	104	134
Practical Quantitation Limit			25

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Jamie Hart



1311 N. 35th St.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Libby Environmental
Sherry Chilcutt
4139 Libby Rd. NE
Olympia, Washington 98506

RE: Whitney's Chevrolet
Lab ID: 1109092

September 29, 2011

Attention Sherry Chilcutt:

Fremont Analytical, Inc. received 1 sample(s) on 9/23/2011 for the analyses presented in the following report.

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

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



CLIENT: Libby Environmental
Project: Whitney's Chevrolet
Lab Order: 1109092

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1109092-001	UST-BOT @ 7	09/20/2011 3:35 PM	09/23/2011 9:19 AM



Case Narrative

WO#: 1109092

Date: 9/29/2011

CLIENT: Libby Environmental
Project: Whitney's Chevrolet

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are 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 PREP-PAH-S, Sample 1109092-001A: Very dense, clay-like matrix



Client: Libby Environmental

Collection Date: 9/20/2011 3:35:00 PM

Project: Whitney's Chevrolet

Lab ID: 1109092-001

Matrix: Soil

Client Sample ID: UST-BOT @ 7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 1179

Analyst: SG

Benz(a)anthracene	ND	70.6		µg/Kg-dry	1	9/27/2011 4:57:00 AM
Chrysene	ND	70.6		µg/Kg-dry	1	9/27/2011 4:57:00 AM
Benzo(b)fluoranthene	ND	70.6		µg/Kg-dry	1	9/27/2011 4:57:00 AM
Benzo(k)fluoranthene	ND	70.6		µg/Kg-dry	1	9/27/2011 4:57:00 AM
Benzo(a)pyrene	ND	70.6		µg/Kg-dry	1	9/27/2011 4:57:00 AM
Indeno(1,2,3-cd)pyrene	ND	70.6		µg/Kg-dry	1	9/27/2011 4:57:00 AM
Dibenz(a,h)anthracene	ND	70.6		µg/Kg-dry	1	9/27/2011 4:57:00 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



Date: 9/29/2011

Work Order: 1109092
 CLIENT: Libby Environmental
 Project: Whitney's Chevrolet

QC SUMMARY REPORT
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 1109092-001ADUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 9/26/2011	RunNo: 1957
Client ID: UST-BOT @ 7	Batch ID: 1179		Analysis Date: 9/27/2011	SeqNo: 34587

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	72.2						0	0	30	
Chrysene	ND	72.2						0	0	30	
Benzo(b)fluoranthene	ND	72.2						0	0	30	
Benzo(k)fluoranthene	ND	72.2						0	0	30	
Benzo(a)pyrene	ND	72.2						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	72.2						0	0	30	
Dibenz(a,h)anthracene	ND	72.2						0	0	30	
Surr: 2-Fluorobiphenyl	655		722.2		90.6	65	135		0		
Surr: Terphenyl-o	732		722.2		101	65	135		0		

Sample ID: LCS-1179	SampType: LCS	Units: µg/Kg	Prep Date: 9/26/2011	RunNo: 1957
Client ID: LCSS	Batch ID: 1179		Analysis Date: 9/27/2011	SeqNo: 34590

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	374	50.0	500.0	0	74.7	65	135				
Pyrene	338	50.0	500.0	0	67.7	65	135				
Surr: 2-Fluorobiphenyl	483		500.0		96.6	65	135				
Surr: Terphenyl-o	574		500.0		115	65	135				

Sample ID: MB-1179	SampType: MBLK	Units: µg/Kg	Prep Date: 9/26/2011	RunNo: 1957
Client ID: MBLKS	Batch ID: 1179		Analysis Date: 9/27/2011	SeqNo: 34591

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	50.0									
Chrysene	ND	50.0									
Benzo(b)fluoranthene	ND	50.0									

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit
 S Spike recovery outside accepted recovery limits



Date: 9/29/2011

Work Order: 1109092
 CLIENT: Libby Environmental
 Project: Whitney's Chevrolet

QC SUMMARY REPORT
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-1179	SampType: MBLK	Units: µg/Kg	Prep Date: 9/26/2011	RunNo: 1957
Client ID: MBLKS	Batch ID: 1179		Analysis Date: 9/27/2011	SeqNo: 34591

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	ND	50.0									
Benzo(a)pyrene	ND	50.0									
Indeno(1,2,3-cd)pyrene	ND	50.0									
Dibenz(a,h)anthracene	ND	50.0									
Surr: 2-Fluorobiphenyl	463		500.0		92.7	65	135				
Surr: Terphenyl-o	560		500.0		112	65	135				

Sample ID: 1109092-001AMS	SampType: MS	Units: µg/Kg-dry	Prep Date: 9/26/2011	RunNo: 1957
Client ID: UST-BOT @ 7	Batch ID: 1179		Analysis Date: 9/27/2011	SeqNo: 34602

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	564	72.6	726.1	0	77.7	65	135				
Pyrene	519	72.6	726.1	0	71.5	65	135				
Surr: 2-Fluorobiphenyl	678		726.1		93.4	65	135				
Surr: Terphenyl-o	777		726.1		107	65	135				

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit
 S Spike recovery outside accepted recovery limits



Sample Log-In Check List

Client Name: LIBBY	Work Order Number: 1109092
Logged by: Caitlyn Frazier	Date Received: 9/23/2011 9:19:04 AM

Chain of Custody

1. Were custodial seals intact? Yes No Not Present
2. Is Chain of Custody complete? Yes No Not Present
3. How was the sample delivered? UPS

Log In

4. Coolers are present? Yes No NA
5. Was an attempt made to cool the samples? Yes No NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes No NA
7. Sample(s) in proper container(s)? Yes No
8. Sufficient sample volume for indicated test(s)? Yes No
9. Are samples properly preserved? Yes No
10. Was preservative added to bottles? Yes No NA
11. Is there headspace present in VOA vials? Yes No No VOA Vials
12. Did all sample containers arrive in good condition?(unbroken) Yes No
13. Does paperwork match bottle labels? Yes No
14. Are matrices correctly identified on Chain of Custody? Yes No
15. Is it clear what analyses were requested? Yes No
16. Were all holding times able to be met? Yes No

Special Handling (if applicable)

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

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

18. Additional remarks/Discrepancies

Item Information

Item #	Temp °C	Condition
Cooler	6.7	Good

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9/20/11 Page: 1 of 1

Client: Environmental Portaux Inc.

Project Manager: Glenn Hayman

Address: 295 NE Gilman Blvd, Ste 201, Irrigant, WA

Project Name: Wh: Tony's Body Repair Shop UST

Phone: 425-395-0011 Fax:

Location: Montezano City:

Client Project # 51201.8

Collector: Eric Coddery Date of Collection: 9/20/11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes											Field Notes		
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260 <u>BTEX, PCE, MTBE</u>	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals		Total Lead	EDC
1 UST-Stack 1		15:15	Soil	VOA, 402	X		X											
2 UST-Stack 2		15:17			X		X											
3 UST-Stack 3		15:19			X		X											
4 UST-Bot @ 7		15:35				X	X				X			X	X			
5 UST-NSW @ 5		15:42			X	X	X											
6 UST-SSW @ 5		15:47			X	X	X											
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		

Relinquished by: <u>[Signature]</u>	Date / Time: <u>9/21/11 14:15</u>	Received by: <u>[Signature]</u>	Date / Time: <u>9/21/11 14:15</u>	Sample Receipt:	Remarks: <u>Standard Turn</u>
Relinquished by:	Date / Time:	Received by:	Date / Time:	Good Condition?	
Relinquished by:	Date / Time:	Received by:	Date / Time:	Cold?	
Relinquished by:	Date / Time:	Received by:	Date / Time:	Seals Intact?	
				Total Number of Containers	

Appendix 7
IDW Disposal Documentation

416802

14159

10

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number WA0027357243	2. Page 1 of 2	3. Emergency Response Phone 206-285-8010	4. Manifest Tracking Number 008130252 JJK		
5. Generator's Name and Mailing Address Whitneys Chevrolet 123 Pioneer Ave Montesano, WA 98563 Generator's Phone: 360 249-6629							
6. Transporter 1 Company Name Kleen Environmental Technologies, Inc.							
7. Transporter 2 Company Name RoadHITR R Transport							
8. Designated Facility Name and Site Address Chemical Waste Management of the NW 17629 Cedar Springs Lane Arlington, OR 97812 Facility's Phone: 541-454-2030							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	
			No.	Type		13. Waste Codes	
	X	1. UN3082, Waste Environmentally Hazardous Substance, Liquid, PG II, ERG *(171) (Trichloroethene, tetrachloroethene)	12	IM	5430 5075	P	F002
	X	2. UN3077, Waste Environmentally Hazardous Substance, Solid, PG II, ERG *(171) (Tetrachloroethene)	1	IM	600	P	F002
		3.					
		4.					
14. Special Handling Instructions and Additional Information 9b.1) Profile OR306568, 1 ea x 55 gal 1A2 Steel drums 9b.2) Profile OR306569, 1 ea x 55 gal 1A2 steel drum WAXX1A970980							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name Doug Sample		Signature <i>Doug Sample</i>			Month 12	Day 6	Year 11
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Joe Hugan		Signature <i>Joe Hugan</i>			Month 12	Day 06
Transporter 2 Printed/Typed Name Lori Mercer		Signature <i>Lori Mercer</i>			Month 12	Day 7	Year 11
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____						
	Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) _____ Month _____ Day _____ Year _____							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H11		2. H039		3. _____		4. _____	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Sue McArthur		Signature <i>Sue McArthur</i>			Month 12	Day 27	Year 11



LAND DISPOSAL RESTRICTION (LDR) NOTIFICATION AND CERTIFICATION FORM (PHASE IV)

Generator Name: Whitney's Chevrolet
 Profile Number: OR 306568 Manifest Number: 008130750 JJK Line 1

Ref. #	2. US EPA HAZARDOUS WASTE CODE(S)	3. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION (If not applicable, simply check NONE)		4. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1.	F002	I		D
2.				
3.				
4.				

- Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Non-Wastewater Wastewater
For hazardous debris meeting the definition of debris and subject to the alternate treatment standards in 268.45, check here:
- In column 2, identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261.
• To list additional waste code(s) use Land Disposal Notification/Certification Supplemental Form (CWM-2005-D) and check here:
- In column 3, for each waste code, identify the subcategory if one applies, or check NONE if the waste code has no subcategory.
- In column 4, enter the letter from the list below (A - D.) that describes how the waste must be managed to comply with the land disposal restriction regulations in 40 CFR 268. Please note that if you enter B.1, B.3, B.6 or D, you are certifying that the waste meets all the Land Disposal Restrictions and may be landfilled without further treatment. If you enter B.4, you are certifying that the waste has been decharacterized, but still requires treatment for UHCs. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed on this form. Where these regulatory citations differ, your form will be deemed to refer to those state citations as well as 40 CFR.)
- Constituents of concern for waste codes F001-F005 and F039 and underlying hazardous constituents (UHCs) for D001-D043, must be identified unless the treatment facility will monitor for all constituents. If any of these codes apply, check appropriate box below:
• To identify constituents of concern for F001-F005, F039 and UHCs, use the Identification of Constituents of Concern Form (CWM-2007) and check here:
• If UHCs are applicable, but none are present at the point of generation, check here:
• If incineration facility will monitor for all constituents of concern (except dioxins), check here: UHC = NONE

MANAGEMENT METHODS

- A. RESTRICTED WASTE REQUIRES TREATMENT**
This waste must be treated to the applicable treatment standards set forth in 40 CFR 268.40.
- B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS**
"I certify under penalty of law that I personally have examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process had been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification including the possibility of fine and imprisonment."
- B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS**
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the non-wastewater organic constituents have been treated by combustion units as specified in 268.42 Table 1. I have been unable to detect the non-wastewater organic constituents despite having used best faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."
- B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS**
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This de-characterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."
- B.6 RESTRICTED DEBRIS TREATED TO ALTERNATE PERFORMANCE STANDARDS**
"I certify under penalty of law that the debris has been treated in accordance with the requirements of 40CFR 268.45. I am aware that there are significant penalties for making a false certification, including the possibility of fine and imprisonment."
- C. RESTRICTED WASTE SUBJECT TO A VARIANCE**
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column (4) above.
- D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT**
"I certify under penalty of law I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and LAC 33: V. 2223-2233. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

I hereby certify that all information submitted in this and all associated documents is complete and accurate to the best of my knowledge and information.

Name: (Print) Doug Sample Title: Gen Manager
 Signature: Doug Sample Date: 12/6/11

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box. And this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS

OR 306568

F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard ¹		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard ¹	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Arocloms (F003)	0.28	160	Methylene chloride (F001, F002)	0.089	30
Benzene (F005)	0.14	10	Methyl ethyl ketone (F005)	0.28	36
n-Butanol (n-butyl alcohol) (F003)	5.6	2.0	Methyl isobutyl ketone (F003)	0.14	33
Carbon disulfide (F005)	3.8	TCLP 4.8	Nitrobenzene (F004)	0.068	14
Carbon tetrachloride (F001)	0.057	6.0	2-Nitropropane (F005)	INCIN or (WETOX or C HODD) follow ed by CASH)	INCIN
Chlorobenzene (F002)	0.057	6.0	Pyridine (F005)	0.014	16
o-Cresol (F004)	0.11	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cresol (m- and p- isomers) (F004)	0.77	5.6	Toluene (F005)	0.080	10
Cyclohexanone (F003)	0.36	TCLP 0.75	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
o-Dichlorobenzene (F002)	0.088	6.0	1,1,2-Trichloroethane (F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol, monoethyl ether	INCIN HODD or	INCIN	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloromonofluoromethane (F002)	0.020	30
Ethyl benzene (F003)	0.057	10	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Ethyl ether (F003)	0.12	160	Xylenes (sum of o-, m-, and p- isomers) (F003)	0.32	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170			
Methanol (F003)	5.6	TCLP 0.75			

VST
Exempt

1470 PPB

21 PPB

3.9 PPB

¹ All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.
² For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of constituents or less than 10 x the standards listed.



**CONTAMINATED SOILS LAND DISPOSAL RESTRICTION (LDR)
NOTIFICATION AND CERTIFICATION FORM (PHASE IV)**

Generator Name: Whitney's Chevrolet
 CWM Profile Number: OR 306569 Manifest Number: 0081302SD LINE 2

Ref. #	3. US EPA HAZARDOUS WASTE CODE(S)	4. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
1.	F002	D
2.		
3.		
4.		

- This waste is a non-wastewater (See 40 CFR 268.2).
- (Check One) This contaminated soil does does not contain listed hazardous waste and does does not exhibit a characteristic of hazardous waste and is subject to / complies with the soil treatment standards as provided by 40 CFR 268.49(c).
- In column 3, identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. To list additional waste code(s) use Land Disposal Notification/Certification Supplemental Form (CMW 2005-F) and check here: For low Mercury subcategory waste (contains less than 260 ppm total Mercury) check here:
- In column 4, enter the letter from the Management Method list below (A.1, B.5 or D.) that describes how the waste must be managed to comply with the land disposal restriction regulations in 40 CFR 268.49. Please note that if you enter B.5 or D, you are certifying that the waste meets all the Land Disposal Restrictions and may be landfilled without further treatment. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed on this form. Where these regulatory citations differ, your form will be deemed to refer to those state citations as well as 40 CFR.)
- Underlying hazardous constituents (UHCs) if present must be identified. If any constituents apply, check appropriate box below:
 - To identify UHCs, use the Identification of Constituents of Concern Form (CWM-2007) and check here:
 - If no UHCs (10x UTS) are present at the point of generation, check here:

MANAGEMENT METHODS

A.1 RESTRICTED SOIL REQUIRES TREATMENT

"I certify under penalty of law that I personally have examined this contaminated soil and it does does not contain listed hazardous waste and does does not exhibit a characteristic of hazardous waste requires treatment to meet the soil treatment standards as provided by 40 CFR 268.49(c)."

B.5 RESTRICTED SOIL TREATED TO ALTERNATE PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49(c) without impermissible dilution of the prohibited wastes. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

D. RESTRICTED SOIL CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

I hereby certify that all information submitted in this and all associated documents is complete and accurate to the best of my knowledge and information.

Name: (Print) Doug Sample Title: Gen Manager
 Signature: Doug Sample Date: 12/6/11

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treator, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS

OR 306519

F002

F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard ¹		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0.28	160	Methylene chloride (F001, F002)	0.089	30
Benzene (F005)	0.14	10	Methyl ethyl ketone (F005)	0.28	36
n-Butanol (n-butyl alcohol) (F003)	5.6	2.6	Methyl isobutyl ketone (F003)	0.14	33
Carbon disulfide (F005)	3.8	TCDF 4.8	Nitrobenzene (F004)	0.068	14
Carbon tetrachloride (F001)	0.057	6.0	2-Nitropropane (F005)	INCIN or {(WETOX or C HOXD) follow ed by CARBN}	INCIN
Chlorobenzene (F002)	0.057	6.0	Pyridine (F005)	0.014	16
o-Cresol (F004)	0.11	5.6	Tetrachloroethylene (F001, F002)	0.056	6.0
Cresol (m- and p- isomers) (F004)	0.77	5.6	Toluene (F005)	0.080	10
Cyclohexanone (F003)	0.36	TCDF 0.75	1,1,1-Trichloroethane (F001, F002)	0.054	6.0
o-Dichlorobenzene (F002)	0.088	6.0	1,1,2-Trichloroethane (F002)	0.054	6.0
2-Ethoxyethanol (F005) also called ethylene glycol monomethyl ether	INCIN BIODG	INCIN	Trichloroethylene (F001, F002)	0.054	6.0
Ethyl acetate (F003)	0.34	33	Trichloromonofluoromethane (F002)	0.020	30
Ethyl benzene (F003)	0.057	10	1,1,2-Trichloro-1,2,2-trifluoroethane (F002)	0.057	30
Ethyl ether (F003)	0.12	160	Xylenes (sum of o-, m-, and p- isomers) (F003)	0.32	30
Isobutanol (Isobutyl Alcohol) (F005)	5.6	170			
Methanol (F003)	5.6	TCDF 0.75			

UST
CANNOT

0.5 PPM

0.18 PPM

¹ All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

² For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of constituents or less than 10 x the standards listed.

14154

RYAN IDA

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: WA0027307283 2. Page 1 of 2 3. Emergency Response Phone: 206-289-8010 4. Waste Tracking Number: 08711

5. Generator's Name and Mailing Address: Wilburys Chevrolet, 115 Alford Ave, Everett, WA 98003. Generator's Site Address (if different than mailing address): Generator's Phone: 425-289-8029

6. Transporter 1 Company Name: Kline Environmental Technologies, Inc. U.S. EPA ID Number: WA000001467

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Waste (formerly mixed materials) 6300 Glenwood Ave, Everett, WA 98023. Facility's Phone: 425-210-8479 U.S. EPA ID Number: D018

GENERATOR

Table with 4 columns: 9. Waste Shipping Name and Description, 10. Containers (No., Type), 11. Total Quantity, 12. Unit Wt./Vol. Row 1: 1. Material not regulated by DOT (petroleum contaminated soil - for thermal desorption treatment), 10, 100, 6600, lb.

13. Special Handling Instructions and Additional Information: 10-6

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name: WA09 Summary Signature: [Signature] Month: 12 Day: 6 Year: 11

INT'L

15. International Shipments: [] Import to U.S. [] Export from U.S. Port of entry/exit: Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials: Transporter 1 Printed/Typed Name: [Signature] Month: 12 Day: 6 Year: 11. Transporter 2 Printed/Typed Name: [Signature] Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy: 17a. Discrepancy Indication Space: [] Quantity [] Type [] Residue [] Partial Rejection [] Full Rejection. Manifest Reference Number:

17b. Alternate Facility (or Generator): U.S. EPA ID Number: Facility's Phone:

17c. Signature of Alternate Facility (or Generator): Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a. Printed/Typed Name: [Signature] Month: 12 Day: 6 Year: 11



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

September 13, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrelote Project located in Montesano, Washington. Soil samples and one water sample were analyzed for Gasoline by NWTPH-Gx and BTEX by EPA Method 8260C and Oil by NWTPH-Dx/Dx Extended on September 8, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
President
Libby Environmental, Inc.

Appendix 8
Laboratory Analytical Reports for Work Area 1

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110908-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWWPH-GX IN SOIL

Sample Description	Method	WA1-EX1	WA1-EX2	WA1-EX2	WA1-EX3	WA1-EX4
	Blank	:10	:9	:9 Dup	:10	: 9.5
Date Sampled	Reporting	N/A	9/8/11	9/8/11	9/8/11	9/8/11
Date Analyzed	Limits	9/8/11	9/8/11	9/8/11	9/8/11	9/8/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd	nd	0.48	nd
Toluene	0.15	nd	nd	nd	0.24	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd
Ethylbenzene	0.10	nd	0.13	0.17	0.17	1.67
Total Xylenes	0.15	nd	0.24	nd	nd	4.85
Gasoline	10	nd	395	97	87	286
Surrogate Recovery						
Dibromofluoromethane	124	103	110	117	101	103
1,2-Dichloroethane-d4	124	97	106	107	102	104
Toluene-d8	86.3	92.8	101	88	94	96
4-Bromofluorobenzene	101	92.2	95	98	106	103

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110908-10

QA/QC Data - EPA 8260C Analyses

Sample Identification: WA1-EX1:10							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Benzene	0.50	0.63	126	0.50	0.6	110	13.6
Toluene	0.50	0.63	126	0.50	0.5	102	21.1

Surrogate Recovery			
Dibromofluoromethane			106
1,2-Dichloroethane-d4			111
Toluene-d8			81.3
4-Bromofluorobenzene			88.7

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.61	122
Toluene	0.50	0.60	120

Surrogate Recovery			
Dibromofluoromethane			117
1,2-Dichloroethane-d4			87.7
Toluene-d8			96.6
4-Bromofluorobenzene			96.1

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
 ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110908-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWWPH-GX IN SOIL

Sample Description	WA1-EX5	
	:13	
Date Sampled	Reporting	9/8/11
Date Analyzed	Limits	9/8/11
	(mg/kg)	(mg/kg)
Benzene	0.02	0.04
Toluene	0.15	0.17
Tetrachloroethene (PCE)	0.02	nd
Ethylbenzene	0.10	3.36
Total Xylenes	0.15	3.72
Gasoline	10	3160
Surrogate Recovery		
Dibromofluoromethane	106	
1,2-Dichloroethane-d4	110	
Toluene-d8	101	
4-Bromofluorobenzene	70	
"nd" Indicates not detected at listed detection limit.		
"int" Indicates that interference prevents determination.		

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110908-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWWPH-GX IN SOIL

Sample Description	Method Blank	WA1-SP-1	WA1-SP-2	WA1-SP-3	WA1-SP-4	WA1-SP-5
Date Sampled	Reporting	N/A	9/8/11	9/8/11	9/8/11	9/8/11
Date Analyzed	Limits	9/8/11	9/8/11	9/8/11	9/8/11	9/8/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd	nd	nd	nd
Toluene	0.15	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd
Ethylbenzene	0.10	nd	nd	nd	nd	nd
Total Xylenes	0.15	nd	nd	nd	nd	nd
Gasoline	10	nd	nd	nd	nd	nd
Surrogate Recovery						
Dibromofluoromethane	124	118	110	118	116	100
1,2-Dichloroethane-d4	124	118	109	122	126	103
Toluene-d8	86.3	90.2	87.3	102	87.2	99.5
4-Bromofluorobenzene	101	115	112	105	104	97.7

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110908-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWWPH-GX IN Water

Sample Description	Method	UST-2-H20	UST-2-H20	
	Blank		Dup	
Date Sampled	Reporting	N/A	9/8/11	
Date Analyzed	Limits	9/8/11	9/8/11	
	(ug/l)	(ug/l)	(ug/l)	
Benzene	1.0	nd	15400	
Toluene	3.0	nd	78900	
Ethylbenzene	2.0	nd	10200	
Total Xylenes	3.0	nd	60000	
Gasoline	100	nd	390000	
Surrogate Recovery				
Dibromofluoromethane		124	101	99.0
1,2-Dichloroethane-d4		124	93.4	100
Toluene-d8		86.3	94.7	80.1
4-Bromofluorobenzene		101	108	81.4

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110908-10

QA/QC Data - EPA 8260C Analyses

Laboratory Control Sample			
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
Benzene	10	12.2	122
Toluene	10	12.0	120
Surrogate Recovery			
Dibromofluoromethane			117
1,2-Dichloroethane-d4			87.7
Toluene-d8			96.6
4-Bromofluorobenzene			96.1

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110908-10

Analyses of Oil (NWTPH-Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/8/11	81	nd
WA1-EX1:10	9/8/11	98	nd
WA1-EX2:9	9/8/11	110	nd
WA1-EX3:10	9/8/11	81	nd
WA1-EX4:10	9/8/11	86	nd
WA1-EX4:10 Dup	9/8/11	70	nd
WA1-EX5:13	9/8/11	113	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Project No. L110908-10

Analyses of Oil (NWTPH-Ds Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/8/11	81	nd
WA1-SP-1	9/8/11	90	nd
WA1-SP-2	9/8/11	80	nd
WA1-SP-3	9/8/11	85	nd
WA1-SP-4	9/8/11	85	nd
WA1-SP-5	9/8/11	103	nd
WA1-SP-5 Dup	9/8/11	99	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9-8-11 Page: 1 of 1

Client: EPI

Project Manager: Glenn Hayman

Address: _____

Project Name: Whitneys Chevrolet

Phone: _____ Fax: _____

Location: Montesano, WA

Client Project # 5120101.8

Collector: Eric Cuddey Date of Collection: 9-8-11

Sample Number	Depth	Time	Sample Type	Container Type	Analytes										Field Note/# Containers			
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260 <u>MTX</u>	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals				
1	WAI-EX1:10	0817	soil	4oz Vol		X			X	X								4
2	WAI-EX2:9	0907	S	"		X			X	X								2
3	WAI-EX3:10	1020	S	"		X			X	X								2
4	WAI-EX4:9.5	1130	S	"		X			X	X								2
5	WAI-EX5:13	1617	S	"		X			X	X								2
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		

Relinquished by: <u>[Signature]</u>	Date / Time: <u>9/8/11</u>	Received by: <u>[Signature]</u>	Date / Time: <u>9-8-11</u>	Sample Receipt:	Remarks:	
Relinquished by:	Date / Time:	Received by:	Date / Time:			Good Condition?
Relinquished by:	Date / Time:	Received by:	Date / Time:			Cold?
Relinquished by:	Date / Time:	Received by:	Date / Time:			Seals Intact?
				Total Number of Containers	TAT 24HR 48HR 5-Day	

Distribution White - Lab, Yellow - File, Pink - Originator

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9-8-11

Page: 1 of 1

Client: EPI

Project Manager: Glenna Hayman

Address:

Project Name: Whitney Chevrolet

Phone: Fax:

Location: Montesano City: WA

Client Project #

Collector: Eric Cuddey Date of Collection: 9-8-11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes										Field Notes			
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCAs 5 Metals				
1 WAI-SP-1	-	12:40	soil		X				X	X								
2 WAI-SP-2	-	12:42			X				X	X								
3 WAI-SP-3	-	12:46			X				X	X								
4 WAI-SP-4	-	12:50			X				X	X								
5 WAI-SP-5	-	12:55	↓		X				X	X								
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		

Relinquished by: <i>[Signature]</i>	Date / Time: 9/8/11	Received by: <i>[Signature]</i>	Date / Time: 9-8-11	Sample Receipt: Good Condition? <input type="checkbox"/> Cold? <input type="checkbox"/> Seals Intact? <input type="checkbox"/> Total Number of Containers	Remarks:
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		

Distribution: White - Lab, Yellow - File, Pink - Originator



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

September 26, 2011

Project # 51201.8

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. A soil sample was analyzed for Gasoline by NWTPH-Gx and BTEX by EPA Method 8260C and Oil by NWTPH-Dx/Dx Extended on September 19, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110916-4

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	WA1-EX7	
	Blank	:12	
Date Sampled	Reporting	N/A	9/15/11
Date Analyzed	Limits	9/19/11	9/19/11
	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	0.046
Toluene	0.03	nd	0.38
Ethylbenzene	0.03	nd	0.084
Total Xylenes	0.03	nd	0.77
Gasoline	10	nd	4190
Surrogate Recovery			
Dibromofluoromethane	135	90	
1,2-Dichloroethane-d4	117	103	
Toluene-d8	93	97	
4-Bromofluorobenzene	103	92	

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110916-4

Analyses of Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/19/11	98	nd
WA1-EX7:12	9/19/11	117	nd
WA1-EX7:12 Dup	9/19/11	108	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9/16/11 Page: 1 of 1

Client: Environmental Partners Inc.

Project Manager: Glen Hayman

Address: 295 NE Galena Blvd, Ste 201 Issaquah

Project Name: Libby Trench Chevrolet

Phone: 425-295-0010 Fax: _____

Location: Montezano

Client Project # 51201.8

Collector: E. Cadev Date of Collection: 9/15/11

Sample Number	Depth	Time	Sample Type	Container Type	Analytes											Field Note/# Containers		
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals				
1		12:40	Soil	4 oz VOA	X				X	X								
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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12																		
13																		
14																		
15																		
16																		
17																		
18																		

Relinquished by: <u>[Signature]</u>	Date / Time: <u>9/16/11 10:00</u>	Received by: <u>[Signature]</u>	Date / Time: <u>9-16-11 9:00</u>	Sample Receipt: Good Condition? <input type="checkbox"/> Cold? <input type="checkbox"/> Seals Intact? <input type="checkbox"/> Total Number of Containers: _____	Remarks: <u>1. D.O.</u>
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 13, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx and BTEX by EPA Method 8260C, PCE by EPA Method 8260C, Oil by NWTPH-Dx/Dx Extended and Lead by EPA Method 7421 on September 16 & 19, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110912-1

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	WA1-B2	WA1-SW1	WA1-SW1	WA1-SW3	
	Blank	:16	:9	:9 Dup	:5	
Date Sampled	Reporting	N/A	9/12/11	9/12/11	9/12/11	
Date Analyzed	Limits	9/16/11	9/16/11	9/16/11	9/16/11	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Benzene	0.02	nd	0.84	nd	nd	
Toluene	0.03	nd	24.2	nd	nd	
Tetrachloroethene (PCE)	0.02	nd	0.53	nd	nd	
Ethylbenzene	0.03	nd	8.8	nd	nd	
Total Xylenes	0.03	nd	84.4	nd	nd	
Gasoline	10	nd	11900	nd	23	
Surrogate Recovery						
Dibromofluoromethane		103	91	106	114	108
1,2-Dichloroethane-d4		87	101	121	123	116
Toluene-d8		79	98	100	100	94
4-Bromofluorobenzene		104	108	105	104	109

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110912-1

QA/QC Data - EPA 8260C Analyses

Sample Identification: WA1-B4:16							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Benzene	0.50	0.51	102	0.50	0.58	116	12.8
Toluene	0.50	0.48	96	0.50	0.51	102	6.1

Surrogate Recovery				
Dibromofluoromethane			106	105
1,2-Dichloroethane-d4			109	116
Toluene-d8			83	92
4-Bromofluorobenzene			112	107

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.45	90
Toluene	0.50	0.43	86

Surrogate Recovery			
Dibromofluoromethane		119	
1,2-Dichloroethane-d4		105	
Toluene-d8		84	
4-Bromofluorobenzene		101	

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110912-1

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		Method Blank	WA1-B1 :16	WA1-EX6 :14	WA1-B3 :16	WA1-SW2 :14	WA1-B4 :16
Date Sampled	Reporting	N/A	9/12/11	9/12/11	9/12/11	9/12/11	9/12/11
Date Analyzed	Limits (mg/kg)	9/16/11 (mg/kg)	9/16/11 (mg/kg)	9/16/11 (mg/kg)	9/16/11 (mg/kg)	9/16/11 (mg/kg)	9/16/11 (mg/kg)
Benzene	0.02	nd	0.93	nd	0.26	nd	nd
Toluene	0.03	nd	8.76	0.17	3.54	nd	nd
Ethylbenzene	0.03	nd	101	nd	11.6	nd	nd
Total Xylenes	0.03	nd	540	0.59	57.7	nd	nd
Gasoline	10	nd	12500	229	11420	nd	nd
Surrogate Recovery							
Dibromofluoromethane		103	113	97	97	97	100
1,2-Dichloroethane-d4		87	113	118	107	110	94
Toluene-d8		79	105	94	93	97	78
4-Bromofluorobenzene		104	92	106	97	112	114

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110912-1

Analyses of Oil (NWTPH-Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/16/11	99	nd
Method Blank	9/19/11	76	nd
WA1-B1:16	9/19/11	88	nd
WA1-B2:16	9/19/11	int	nd
WA1-EX6:14	9/19/11	86	nd
WA1-B3:16	9/19/11	int	nd
WA1-SW1:9	9/19/11	70	nd
WA1-SW2:14	9/19/11	80	nd
WA1-B4:16	9/19/11	67	nd
WA1-SW3:5	9/19/11	67	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110912-1

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	9/16/11	nd
WA1-B3:16	9/16/11	nd
WA1-SW1:9	9/16/11	5.2
WA1-B4:16	9/16/11	nd
WA1-SW3:5	9/16/11	nd
WA1-SW3:5 Dup	9/16/11	nd
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110912-1

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
LCS	9/16/11	99%
WA1-SW3:5 MS	9/16/11	int
WA1-SW3:5 MSD	9/16/11	int
RPD	9/16/11	int
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9/12/11

Page: 1 of 1

Client: Environmental Partners, Inc.

Project Manager: Glenn Hayman

Address: 295 NE Gilman Blvd, Ste 201

Project Name: Whitneys Chevrolet

Phone: 425-281-3629 Fax:

Location: Monterano City:

Client Project # 51201.8

Collector: Eric Caddey Date of Collection: 9/12/11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes										Field Notes			
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260 RTEX & PCE	SEM VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals		Total lead		
1 WAI-B1:16		09:10	soil		X			X	X									
2 WAI-B2:16		10:10				X		X	X									
3 WAI-EX6:14		10:55			X			X	X									
4 WAI-B3:16		11:50			X			X	X					X				
5 WAI-SW1:9		13:10				X		X	X					X				
6 WAI-SW2:14		13:14			X			X	X									
7 WAI-B4:16		13:20			X			X	X					X				
8 WAI-SW3:5		14:50				X		X	X					X				
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		

Relinquished by: <i>[Signature]</i>	Date / Time: 9/12/11 16:10	Received by: <i>[Signature]</i>	Date / Time: 9/12/11 16:10	Sample Receipt	Remarks:	
Relinquished by:	Date / Time:	Received by:	Date / Time:			Good Condition?
Relinquished by:	Date / Time:	Received by:	Date / Time:			Cold?
Relinquished by:	Date / Time:	Received by:	Date / Time:			Seals Intact?
				Total Number of Containers	STD	



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 13, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx and BTEX by EPA Method 8260C, PCE by EPA Method 8260C, Oil by NWTPH-Dx/Dx Extended and Lead by EPA Method 7421 on September 13, 14 & 16, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110913-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWWPH-GX IN SOIL

Sample Description	Method	WA1-SW4	WA1-SW4	WA1-SW10	
	Blank	:10	:10 Dup	:12	
Date Sampled	Reporting	N/A	9/13/11	9/13/11	
Date Analyzed	Limits	9/13/11	9/13/11	9/13/11	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Benzene	0.02	nd	nd	nd	
Toluene	0.15	nd	nd	nd	
Tetrachloroethene (PCE)	0.02	nd	nd	nd	
Ethylbenzene	0.10	nd	nd	0.13	
Total Xylenes	0.15	nd	nd	nd	
Gasoline	10	nd	nd	395	
Surrogate Recovery					
Dibromofluoromethane		115	111	108	91
1,2-Dichloroethane-d4		99	117	114	99
Toluene-d8		97	85	85.7	95
4-Bromofluorobenzene		101	105	117	107

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110913-10

QA/QC Data - EPA 8260C Analyses

Sample Identification: WA1-SW5:14							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Benzene	0.50	0.40	80	0.50	0.45	90	11.8
Toluene	0.50	0.37	74	0.50	0.45	90	19.5

Surrogate Recovery			
Dibromofluoromethane			108
1,2-Dichloroethane-d4			117
Toluene-d8			96
4-Bromofluorobenzene			110

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.40	79
Toluene	0.50	0.35	70

Surrogate Recovery			
Dibromofluoromethane			108
1,2-Dichloroethane-d4			92.0
Toluene-d8			83.0
4-Bromofluorobenzene			100.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
 ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110913-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWWPH-GX IN SOIL

Sample Description	Method	WA1-SW5	WA1-SW6	WA1-SW7	WA1-DUP1	WA1-SW8
	Blank	:14	:14	:10		:5
Date Sampled	Reporting	N/A	9/13/11	9/13/11	9/13/11	9/13/11
Date Analyzed	Limits	9/13/11	9/13/11	9/13/11	9/13/11	9/13/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd	nd	nd	nd
Toluene	0.15	nd	nd	nd	nd	nd
Ethylbenzene	0.10	nd	nd	nd	nd	nd
Total Xylenes	0.15	nd	nd	0.22	nd	nd
Gasoline	10	nd	nd	34	362	15
Surrogate Recovery						
Dibromofluoromethane		115	117	114	99	90
1,2-Dichloroethane-d4		99	131	115	103	100
Toluene-d8		97	89	86	84	79
4-Bromofluorobenzene		101	103	103	77	108

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110913-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWWPH-GX IN SOIL

Sample Description		WA1-DUP2	WA1-SW9 :12	WA1-B5 :16	WA1-SW10 :12	WA1-SW10 :12 Dup	WA1-SW11 :12
Date Sampled	Reporting	9/13/11	9/13/11	9/13/11	9/13/11	9/13/11	9/13/11
Date Analyzed	Limits	9/13/11	9/13/11	9/13/11	9/13/11	9/13/11	9/13/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd	nd	nd	nd	nd
Toluene	0.15	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.10	nd	nd	0.24	0.18	0.17	nd
Total Xylenes	0.15	nd	nd	0.74	0.64	0.64	nd
Gasoline	10	nd	144	6220	100	103	nd
Surrogate Recovery							
Dibromofluoromethane		98	100	93	97	104	94
1,2-Dichloroethane-d4		101	112	115	116	115	108
Toluene-d8		82	82	87	90	96	84
4-Bromofluorobenzene		130	96	int	100	111	107
"nd" Indicates not detected at listed detection limit.							
"int" Indicates that interference prevents determination.							

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110913-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWWPH-GX IN SOIL

Sample Description		WA1-B6 :16	WA1-SW12 :5
Date Sampled	Reporting	9/13/11	9/13/11
Date Analyzed	Limits	9/13/11	9/13/11
	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	0.15	nd
Toluene	0.15	0.62	nd
Ethylbenzene	0.10	4.27	nd
Total Xylenes	0.15	16.5	nd
Gasoline	10	25000	nd
Surrogate Recovery			
Dibromofluoromethane		107	92
1,2-Dichloroethane-d4		119	109
Toluene-d8		67	100
4-Bromofluorobenzene		115	110
"nd" Indicates not detected at listed detection limit.			
"int" Indicates that interference prevents determination.			

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110913-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWWPH-GX IN SOIL

Sample Description	Method	WA1-SW13	WA1-SW13	WA1-SW16	
	Blank	:10	:10 DUP	:11	
Date Sampled	Reporting	N/A	9/13/11	9/13/11	
Date Analyzed	Limits	9/14/11	9/14/11	9/14/11	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Benzene	0.02	nd	nd	nd	
Toluene	0.15	nd	nd	nd	
Tetrachloroethene (PCE)	0.02	nd	0.028	0.029	
Ethylbenzene	0.10	nd	0.47	0.51	
Total Xylenes	0.15	nd	1.19	1.40	
Gasoline	10	nd	1350	1310	
Surrogate Recovery					
Dibromofluoromethane		105	92	100	92
1,2-Dichloroethane-d4		77	101	108	111
Toluene-d8		98	97	88	76
4-Bromofluorobenzene		93	114	67	78
"nd" Indicates not detected at listed detection limit.					
"int" Indicates that interference prevents determination.					

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110913-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWWPH-GX IN SOIL

Sample Description	Method	WA1-B7	WA1-SW14	WA1-SW15	WA1-DUP3	
	Blank	:16	:14	:5		
Date Sampled	Reporting	N/A	9/14/11	9/14/11	9/14/11	
Date Analyzed	Limits	9/14/11	9/14/11	9/14/11	9/14/11	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Benzene	0.02	nd	0.10	0.50	nd	nd
Toluene	0.15	nd	0.62	2.8	0.11	nd
Ethylbenzene	0.10	nd	1.53	3.9	nd	nd
Total Xylenes	0.15	nd	5.1	22	0.20	0.21
Gasoline	10	nd	6300	951	27	27
Surrogate Recovery						
Dibromofluoromethane		105	106	94	92	91
1,2-Dichloroethane-d4		77	120	102	108	106
Toluene-d8		98	98	82	89	82
4-Bromofluorobenzene		93	74	99	100	109

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110913-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWWPH-GX IN SOIL

Sample Description	Method	WA1-SP-6	WA1-SP-7	
	Blank			
Date Sampled	Reporting	N/A	9/14/11	
Date Analyzed	Limits	9/14/11	9/14/11	
	(mg/kg)	(mg/kg)	(mg/kg)	
Benzene	0.02	nd	nd	
Toluene	0.15	nd	nd	
Ethylbenzene	0.10	nd	nd	
Total Xylenes	0.15	nd	nd	
Gasoline	10	nd	nd	
Surrogate Recovery				
Dibromofluoromethane	105	99	92	
1,2-Dichloroethane-d4	77	111	97	
Toluene-d8	98	73	88	
4-Bromofluorobenzene	93	119	109	
"nd" Indicates not detected at listed detection limit.				
"int" Indicates that interference prevents determination.				

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110913-10

Analyses of Oil (NWTPH-Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/13/11	103	nd
WA1-SW4:10	9/13/11	104	nd
WA1-SW5:14	9/13/11	90	nd
WA1-SW5:14 Dup	9/13/11	100	nd
WA1-SW6:14	9/13/11	108	nd
WA1-SW7:10	9/13/11	102	nd
WA1-DUP1	9/13/11	116	nd
WA1-SW8:5	9/13/11	100	nd
WA1-DUP2	9/13/11	106	nd
WA1-SW9:12	9/13/11	101	nd
WA1-B5:16	9/13/11	int	nd
WA1-SW10:12	9/13/11	110	nd
WA1-SW11:12	9/13/11	101	nd
WA1-SW11:12 Dup	9/13/11	99	nd
WA1-B6:16	9/13/11	110	nd
WA1-SW12:5	9/13/11	103	nd
WA1-SW13:10	9/14/11	92	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Project No. L110913-10

Analyses of Oil (NWTPH-Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/14/11	103	nd

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WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8

WA1-B7:16	9/14/11	116	nd
WA1-SW14:14	9/14/11	115	nd
WA1-SW14:14 Dup	9/14/11	94	nd
WA1-SW15:5	9/14/11	106	nd
WA1-SW16:10	9/14/11	107	nd
WA1-DUP3	9/14/11	103	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Project No. L110913-10

Analyses of Oil (NWTPH-Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/14/11	83	nd
WA1-SP-6	9/14/11	91	nd
WA1-SP-7	9/14/11	86	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110913-10

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	9/16/11	nd
WA1-SW10:12	9/16/11	5.2
WA1-B6:16	9/16/11	nd
WA1-SW13:10	9/16/11	5.7
WA1-SW16:10	9/16/11	5.2
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110913-10

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
LCS	9/16/11	99%
L110912-1 MS	9/16/11	int
L110912-1 MSD	9/16/11	int
RPD	9/16/11	int
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9-13-11 Page: 1 of 1

Client: EPI

Project Manager: Glenn Hayman

Address: _____

Project Name: Whitney Chevrolet

Phone: _____ Fax: _____

Location: Montesano WA

Client Project # _____

Collector: Eric Caddey Date of Collection: 9-13-11

Sample Number	Depth	Time	Sample Type	Container Type	Analytes											Field Note/# Containers							
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260 BTEX+PCE	SEMI VOL 8270	NWTPH-HCID	NWTPH-GX	NWTPH-DX	PAH 8270	PCB's 8082	MTCAs 5 Metals	Total Pb								
1	WAI-SW 4:10	0722	S	4oz VOA	X	X			X	X													2
2	WAI-SW 5:14	0725	S	"	X				X	X													2
3	WAI-SW 6:14	0910	S	"	X				X	X													2
4	WAI-SW 7:10	0915	S	"	X				X	X													2
5	WAI-DUP1		S	"	X				X	X													2
6	WAI-SW 8:15	1045	S	"	X				X	X													2
7	WAI-Dup 2		S	"	X				X	X													2
8	WAI-SW 9:12	1136	S	"	X				X	X													2
9	WAI-B5:16	1142	S	"	X				X	X													2
10	WAI-SW 10:12	1214	S	"		X			X	X				X									2
11	WAI-SW 11:12	1310	S	"	X				X	X													2
12	WAI-B6:16	1337	S	"	X				X	X				X									2
13	WAI-SW 12:15	1423	S	"	X				X	X													2
14	WAI-SW 13:10	1500	S	"		X			X	X				X									2
15																							
16																							
17																							
18																							

Relinquished by: <u>[Signature]</u>	Date / Time: <u>9/13/11</u>	Received by: <u>[Signature]</u>	Date / Time: <u>9-13-11</u>	Sample Receipt: Good Condition? <input type="checkbox"/> Cold? <input type="checkbox"/> Seals Intact? <input type="checkbox"/> Total Number of Containers: _____	Remarks: TAT 24HR 48HR 5-Day
Relinquished by: _____	Date / Time: _____	Received by: _____	Date / Time: _____		
Relinquished by: _____	Date / Time: _____	Received by: _____	Date / Time: _____		
Relinquished by: _____	Date / Time: _____	Received by: _____	Date / Time: _____		

Distribution White - Lab, Yellow - File, Pink - Originator

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9-14-11 Page: 1 of 1

Client: EPI

Project Manager: Glean Hayman

Address: _____

Project Name: Whitney Chevrolet

Phone: _____ Fax: _____

Location: Montesano, Washington

Client Project # _____

Collector: E Cuddy Date of Collection: 9-14-11

Sample Number	Depth	Time	Sample Type	Container Type	Analytes											Field Note/# Containers		
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260 BTEX + PCE	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals	Total Pb			
1		0732	S	4oz VOA	X					X	X							2
2		0741	S	"	X					X	X							2
3		0800	S	"	X					X	X							2
4		0810	S	"	X	X				X	X			X				2
5			S	"	X					X	X							2
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		

Relinquished by: <u>[Signature]</u>	Date / Time: <u>9/14/11</u>	Received by: <u>[Signature]</u>	Date / Time: <u>9-14-11</u>	Sample Receipt: Good Condition? <input type="checkbox"/> Cold? <input type="checkbox"/> Seals Intact? <input type="checkbox"/> Total Number of Containers: _____	Remarks: TAT 24HR 48HR 5-Day
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		

Distribution White - Lab, Yellow - File, Pink - Originator

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9-14-11

Page: 1 of 1

Client: EPI

Project Manager: Glenn Hayman

Address:

Project Name: Whitney Chevrolet

Phone: Fax:

Location: Montesano, Washington City:

Client Project #

Collector: E Caddy Date of Collection: 9-14-11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes										Field Notes			
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals				
1 WAI-SP-6		9:45	S	402	X				X	X								2
2 WAI-SP-7		9:50	S	402	X				X	X								2
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		

Relinquished by: <i>E Caddy</i>	Date / Time: 9/14/11	Received by: <i>Glenn Hayman</i>	Date / Time: 9-14-11	Sample Receipt: Good Condition? <input type="checkbox"/> Cold? <input type="checkbox"/> Seals Intact? <input type="checkbox"/> Total Number of Containers: <input type="text"/>	Remarks:
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		

Distribution: White - Lab, Yellow - File, Pink - Originator



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 13, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx and BTEX by EPA Method 8260C, PCE by EPA Method 8260C, Oil by NWTPH-Dx/Dx Extended and Lead by EPA Method 7421 on September 20, 21 & 22, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110920-3

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	WA1-SW17	WA1-B9	WA1-SW19	WA1-SW19	
	Blank	:10	:16	:14	:14 Dup	
Date Sampled	Reporting	N/A	9/19/11	9/19/11	9/19/11	
Date Analyzed	Limits	9/21/11	9/21/11	9/21/11	9/22/11	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Benzene	0.02	nd	nd	0.028	0.028	
Toluene	0.03	nd	nd	0.28	0.15	
Tetrachloroethene (PCE)	0.02	nd	nd	0.14	nd	
Ethylbenzene	0.03	nd	nd	1.18	0.71	
Total Xylenes	0.03	nd	nd	10.6	3.3	
Gasoline	10	nd	nd	1110	220	
Surrogate Recovery						
Dibromofluoromethane		117	113	114	96	96
1,2-Dichloroethane-d4		129	128	131	112	112
Toluene-d8		83	89	87	76	76
4-Bromofluorobenzene		105	107	80	104	104
"nd" Indicates not detected at listed detection limit.						
"int" Indicates that interference prevents determination.						

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110920-3

QA/QC Data - EPA 8260C Analyses

Sample Identification: L110921-5							RPD
Matrix Spike			Matrix Spike Duplicate				
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Benzene	0.50	0.41	82	0.50	0.41	82	0.0
Toluene	0.50	0.41	82	0.50	0.42	84	2.4

Surrogate Recovery			
Dibromofluoromethane			112
1,2-Dichloroethane-d4			114
Toluene-d8			81
4-Bromofluorobenzene			96

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.49	98
Toluene	0.50	0.56	112

Surrogate Recovery			
Dibromofluoromethane			120
1,2-Dichloroethane-d4			135
Toluene-d8			101
4-Bromofluorobenzene			103

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110920-3

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		WA1-B8 :16	WA1-SW18 :12	WA1-SW20 :6	WA1-SW21 :11	WA1-B10 :6	WA1-B10 :6 Dup
Date Sampled	Reporting	9/19/11	9/19/11	9/19/11	9/20/11	9/20/11	9/20/11
Date Analyzed	Limits	9/22/11	9/22/11	9/21/11	9/21/11	9/22/11	9/22/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	0.25	nd	nd	nd	nd	nd
Toluene	0.03	26.7	0.17	nd	0.17	nd	nd
Ethylbenzene	0.03	76.6	0.8	nd	8.5	0.5	0.62
Total Xylenes	0.03	335	4.9	nd	27.2	2.2	2.4
Gasoline	10	8130	1450	nd	2750	1450	1640
Surrogate Recovery							
Dibromofluoromethane		67	70	103	107	66	71
1,2-Dichloroethane-d4		123	106	121	128	128	132
Toluene-d8		107	133	90	89	117	116
4-Bromofluorobenzene		70	72	103	91	85	78

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110920-3

Analyses of Oil (NWTPH-Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/20/11	90	nd
Method Blank	9/21/11	108	nd
WA1-B8:16	9/20/11	int	nd
WA1-SW17:10	9/20/11	92	nd
WA1-SW18:12	9/20/11	95	nd
WA1-B9:16	9/20/11	93	nd
WA1-SW19:14	9/21/11	84	nd
WA1-SW20:6	9/21/11	99	nd
WA1-SW21:11	9/21/11	96	nd
WA1-SW21:11 Dup	9/21/11	90	nd
WA1-B10:6	9/20/11	83	nd
WA1-B10:6 Dup	9/20/11	81	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110920-3

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	9/21/11	nd
WA1-SW17:10	9/21/11	6.1
WA1-B9:16	9/21/11	nd
WA1-SW19:14	9/21/11	nd
WA1-SW19:14 Dup	9/21/11	nd
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110920-3

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
LCS	9/21/11	95%
L110921 MS	9/21/11	82%
L110921 MSD	9/21/11	96%
RPD	9/21/11	16%
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9/20/11

Page: 1 of 1

Client: Environmental Partners Inc.

Project Manager: Glenn Hayman

Address: 295 NE Gilman Blvd, Ste 201 Issaquah, WA

Project Name: Whitney's Chevrolet

Phone: 425-281-3629 Fax:

Location: Montesano City:

Client Project # 51201.8

Collector: Eric Caddy Date of Collection: 9/19/11 + 9/20/11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes										Field Notes			
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260 RTEX+PCE	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx Ext. 9/10/11	PAH 8270	PCB's 8082		MTCA 5 Metals	Total Lead	
1 WAI-B8:16		15:25	Soil	4oz VOA	X				X	X								
2 WAI-SW17:10		15:30				X			X	X					X			
3 WAI-SW18:12		15:35				X			X	X								
4 WAI-B9:16		16:00					X		X	X					X			
5 WAI-SW19:14		16:25					X		X	X					X			
6 WAI-SW20:6		16:42				X			X	X								
7 WAI-SW21:11		09:52				X			X	X								
8 WAI-B10:6		10:43				X			X	X								
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		

Relinquished by: <i>[Signature]</i>	Date / Time: 9/20/11 10:50	Received by: <i>[Signature]</i>	Date / Time: 9-20-11 12:50	Sample Receipt: Good Condition? Cold? Seals Intact? Total Number of Containers	Remarks: Normal Turn
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 13, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx and BTEX by EPA Method 8260C, PCE by EPA Method 8260C, Oil by NWTPH-Dx/Dx Extended, Diesel & Oil by NWTPH-Dx/Dx Extended and Lead by EPA Method 7421 on September 22, 23 & 25, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110922-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	WA1-EX10	WA1-SW22	WA1-SW24	WA1-SW25	WA1-B11	
	Blank	:11	:12	:13	:11	:16	
Date Sampled	Reporting	N/A	9/22/11	9/22/11	9/22/11	9/22/11	
Date Analyzed	Limits	9/22/11	9/22/11	9/22/11	9/22/11	9/22/11	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Benzene	0.02	nd	nd	0.044	0.26	0.052	nd
Toluene	0.03	nd	nd	0.44	4.9	1.9	0.16
Tetrachloroethene (PCE)	0.02	nd	0.028	nd	nd	0.046	0.34
Ethylbenzene	0.03	nd	0.20	0.71	8.5	2.0	1.5
Total Xylenes	0.03	nd	0.93	3.91	50	13	7.6
Gasoline	10	nd	16	292	1330	1050	1950
Surrogate Recovery							
Dibromofluoromethane		106	75	100	68	108	109
1,2-Dichloroethane-d4		104	132	106	79	122	109
Toluene-d8		82	116	83	97	88	102
4-Bromofluorobenzene		108	79	99	106	126	106

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

Libby Project No. L110922-10

QA/QC Data - EPA 8260C Analyses

Sample Identification: WA1-EX10:11							
	Matrix Spike			Matrix Spike Duplicate		RPD	
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Benzene	0.50	0.44	88	0.50	0.47	95	7.2
Toluene	0.50	0.52	104	0.50	0.51	102	1.9
Surrogate Recovery							
Dibromofluoromethane			106			102	
1,2-Dichloroethane-d4			103			100	
Toluene-d8			78			78	
4-Bromofluorobenzene			int			103	

Laboratory Control Sample

	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.53	106

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8

Toluene 0.50 0.54 108

Surrogate Recovery

Dibromofluoromethane	125
1,2-Dichloroethane-d4	124
Toluene-d8	83
4-Bromofluorobenzene	100

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Paul Burke

Libby Project No. L110922-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	WA1-SW26	WA1-SW26	WA1-SW28	WA1-B13	Method
	Blank	:13	:13 Dup	:11	:16	Blank
Date Sampled	Reporting	N/A	9/22/11	9/22/11	9/22/11	N/A
Date Analyzed	Limits	9/22/11	9/22/11	9/26/11	9/22/11	9/26/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd	nd	nd	nd
Toluene	0.03	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	0.12	nd	nd
Total Xylenes	0.03	nd	nd	0.91	nd	nd
Gasoline	10	nd	50	71	250	nd

Surrogate Recovery

Dibromofluoromethane	106	108	109	96	70	69
1,2-Dichloroethane-d4	104	112	104	132	127	116
Toluene-d8	82	81	89	132	113	131
4-Bromofluorobenzene	108	113	66	81	86	86

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

Libby Project No. L110922-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	WA1-UST3	STOCK 3
Date Sampled	Reporting	9/22/11
Date Analyzed	Limits	9/22/11
	(mg/kg)	(mg/kg)
Benzene	0.02	nd
Toluene	0.03	nd
Tetrachloroethene (PCE)	0.02	nd
Ethylbenzene	0.03	nd
Total Xylenes	0.03	nd
Gasoline	10	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8

Surrogate Recovery

Dibromofluoromethane	103
1,2-Dichloroethane-d4	104
Toluene-d8	69
4-Bromofluorobenzene	120

"nd" Indicates not detected at listed detection limit.
 "int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

Libby Project No. L110922-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method Blank	WA1-SW23 :10	WA1-B12 :16	WA1-DUP -4	WA1-SW27 :11	WA1-SW29 :11
Date Sampled	Reporting	N/A	9/22/11	9/22/11	9/22/11	9/22/11
Date Analyzed	Limits (mg/kg)	9/22/11 (mg/kg)	9/22/11 (mg/kg)	9/22/11 (mg/kg)	9/22/11 (mg/kg)	9/22/11 (mg/kg)
Benzene	0.02	nd	nd	nd	0.050	nd
Toluene	0.03	nd	nd	nd	nd	0.4
Ethylbenzene	0.03	nd	0.11	nd	nd	1.4
Total Xylenes	0.03	nd	0.60	nd	nd	7.2
Gasoline	10	nd	18	936	895	790

Surrogate Recovery

Dibromofluoromethane	106	108	107	105	109	74
1,2-Dichloroethane-d4	104	121	116	111	104	133
Toluene-d8	82	76	83	82	89	124
4-Bromofluorobenzene	108	109	114	95	66	78

"nd" Indicates not detected at listed detection limit.
 "int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

Libby Project No. L110922-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	WA1-SW29 :11 Dup	WA1-SW30 :5	WA1-DUP-5	Method Blank
Date Sampled	Reporting	9/22/11	9/22/11	9/22/11
Date Analyzed	Limits (mg/kg)	9/22/11 (mg/kg)	9/26/11 (mg/kg)	9/26/11 (mg/kg)
Benzene	0.02	nd	nd	nd
Toluene	0.03	nd	nd	nd
Ethylbenzene	0.03	2.7	nd	nd
Total Xylenes	0.03	12.6	nd	nd
Gasoline	10	770	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8

Surrogate Recovery				
Dibromofluoromethane	78	80	80	69
1,2-Dichloroethane-d4	129	129	132	116
Toluene-d8	131	120	114	131
4-Bromofluorobenzene	78	84	83	86

"nd" Indicates not detected at listed detection limit.
 "int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

Libby Project No. L110922-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method Blank	WA1-UST3 STOCK 1	WA1-UST3 STOCK 2
Date Sampled	Reporting N/A	9/22/11	9/22/11
Date Analyzed	Limits 9/22/11	9/22/11	9/22/11
	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd
Toluene	0.03	nd	nd
Ethylbenzene	0.03	nd	nd
Total Xylenes	0.03	nd	nd
Gasoline	10	nd	nd

Surrogate Recovery			
Dibromofluoromethane	106	100	104
1,2-Dichloroethane-d4	104	109	99
Toluene-d8	82	75	76
4-Bromofluorobenzene	108	120	113

"nd" Indicates not detected at listed detection limit.
 "int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110922-10

Analyses of Oil (NWTPH-Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/22/11	97	nd
WA1-EX10:11	9/22/11	87	nd
WA1-SW22:12	9/22/11	82	nd
WA1-SW23:10	9/22/11	96	nd
WA1-SW24:13	9/22/11	int	nd
WA1-SW25:11	9/22/11	88	nd
WA1-B11:16	9/22/11	111	nd
WA1-B12:16	9/22/11	122	nd
WA1-DUP-4	9/22/11	int	nd
WA1-SW26:13	9/22/11	117	nd
WA1-SW26:13 Dup	9/22/11	75	nd
WA1-SW27:11	9/22/11	84	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110922-10

Analyses of Oil (NWTPH-Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/23/11	105	nd
WA1-SW28:11	9/23/11	int	nd
WA1-SW29:11	9/23/11	79	nd
WA1-B13:16	9/23/11	87	nd
WA1-SW30:5	9/23/11	73	nd
WA1-DUP-5	9/23/11	77	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Jamie Hart

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110922-10

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Oil (mg/kg)
Method Blank	9/22/11	97	nd	nd	nd
WA1-UST3-Stock 1	9/22/11	104	nd	nd	nd
WA1-UST3-Stock 2	9/22/11	104	nd	nd	nd
WA1-UST3-Stock 3	9/22/11	97	nd	nd	nd
WA1-UST3-Stock 3 Dup	9/22/11	102	nd	nd	nd
Practical Quantitation Limit			25	40	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110922-10

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	9/25/11	nd
WA1-SW22:12	9/25/11	nd
WA1-SW29:11	9/25/11	nd
WA1-B13:16	9/25/11	nd
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

Practical Quantitation Limit	6.0
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LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110922-10

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
LCS	9/25/11	96%
L110920 MS	9/25/11	70%
L110920 MSD	9/25/11	int
RPD	9/25/11	int
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 09-22-11 Page: 1 of 1

Client: EPI

Project Manager: Glenn Hayman

Address: _____

Project Name: Whitney's Chevrolet

Phone: _____ Fax: _____

Location: Montesano

Client Project # 51201.8

Collector: Eric Caddy Date of Collection: 09-22-11

Sample Number	Depth	Time	Sample Type	Container Type	Analytes										Field Note/# Containers			
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals		Total Lead		
1	WAI-EX10:11	07:10	S	4oz VOA	X	X			X	X								2
2	WAI-SW22:12	15:45	S	"	X	X			X	X				X			2	
3	WAI-SW23:10	15:55	S	"	X	X			X	X							2	
4	WAI-SW24:13	08:00	S	"	X	X			X	X							2	
5	WAI-SW25:11	08:02	S	"	X	X			X	X							2	
6	WAI-B11:16	08:13	S	"	X	X			X	X							2	
7	WAI-B12:16	10:00	S	"	X				X	X							2	
8	WAI-Dup-4		S	"	X				X	X							2	
9	WAI-SW26:13	12:55	S	"	X	X			X	X							2	
10	WAI-SW27:11	15:00	S	"	X				X	X							2	
11	WAI-SW28:11	15:10	S	"	X	X			X	X							2	
12	WAI-SW29:11	15:25	S	"	X				X	X			X				2	
13	WAI-B13:16	15:30	S	"	X	X			X	X			X				2	
14	WAI-SW30:5	15:30	S	"	X				X	X							2	
15	WAI-DUP-5		S	"	X				X	X							2	
16																		
17																		
18																		

Relinquished by: <u>[Signature]</u>	Date / Time: <u>9/22/11</u>	Received by: <u>[Signature]</u>	Date / Time: <u>9-22-11</u>	Sample Receipt: <u>[Signature]</u>	Remarks:
Relinquished by: _____	Date / Time: _____	Received by: _____	Date / Time: _____	Good Condition? <input type="checkbox"/>	
Relinquished by: _____	Date / Time: _____	Received by: _____	Date / Time: _____	Cold? <input type="checkbox"/>	
Relinquished by: _____	Date / Time: _____	Received by: _____	Date / Time: _____	Seals Intact? <input type="checkbox"/>	
				Total Number of Containers	TAT 24HR 48HR 5-Day

Distribution White - Lab, Yellow - File, Pink - Originator

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 09-22-11

Page: 1 of 1

Client: EPT

Project Manager: Gleann Hoeman

Address: _____

Project Name: Whitneys Chevrolet

Phone: _____ Fax: _____

Location: Montesano WA

Client Project # 51201.8

Collector: E Cadden Date of Collection: 09-22-11

Sample Number	Depth	Time	Sample Type	Container Type	Analytes										Field Note/# Containers			
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260 PCE	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals				
1 WAI-WTP-Stack 1		09:40	S	400, Vol	X	X			X	X	X							
2 WAI-WTP-Stack 2		09:44	S		X				X	X	X							
3 WAI-WTP-Stack 3		09:49	S		X				X	X	X							
4																		
5																		
6																		
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8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		

Relinquished by: <u>[Signature]</u>	Date / Time: <u>9/20/11</u>	Received by: <u>[Signature]</u>	Date / Time: <u>9-22-11</u>	Sample Receipt:	Remarks:		
Relinquished by:	Date / Time:	Received by:	Date / Time:			Good Condition?	
Relinquished by:	Date / Time:	Received by:	Date / Time:			Cold?	
Relinquished by:	Date / Time:	Received by:	Date / Time:			Seals Intact?	
				Total Number of Containers	TAT 24HR 48HR 5-Day		



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 13, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx and BTEX by EPA Method 8260C, PCE by EPA Method 8260C, Oil by NWTPH-Dx/Dx Extended and Lead by EPA Method 7421 on September 21, 22, 25 & 28, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110921-4

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	WA1-EX8	WA1-EX9	
	Blank	:11	:9	
Date Sampled	Reporting	N/A	9/21/11	
Date Analyzed	Limits	9/21/11	9/21/11	
	(mg/kg)	(mg/kg)	(mg/kg)	
Benzene	0.02	nd	0.023	
Toluene	0.03	nd	0.033	
Tetrachloroethene (PCE)	0.02	nd	0.045	
Ethylbenzene	0.03	nd	6.69	
Total Xylenes	0.03	nd	23.7	
Gasoline	10	nd	2350	
Surrogate Recovery				
Dibromofluoromethane		116	71	99.5
1,2-Dichloroethane-d4		122	82	105
Toluene-d8		83	102	89.7
4-Bromofluorobenzene		102	110	106
"nd" Indicates not detected at listed detection limit.				
"int" Indicates that interference prevents determination.				

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110921-4

QA/QC Data - EPA 8260C Analyses

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.37	74
Toluene	0.50	0.38	76
Surrogate Recovery			
Dibromofluoromethane			125
1,2-Dichloroethane-d4			132
Toluene-d8			90
4-Bromofluorobenzene			104

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110921-4

Analyses of Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/22/11	108	nd
WA1-EX8:11	9/22/11	83	nd
WA1-EX9:9	9/22/11	94	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110921-4

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C

Sample Description	Method	WA1-EX8	WA1-EX9	WA1-EX9	
	Blank	:11	:9	:9 Dup	
Date Sampled	Reporting	N/A	9/21/11	9/21/11	
Date Analyzed	Limits	9/25/11	9/25/11	9/25/11	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Tetrachloroethene (PCE)	0.02	nd	0.048	0.031	
				0.037	
Surrogate Recovery					
Dibromofluoromethane	76	79	90	84	
1,2-Dichloroethane-d4	127	83	134	132	
Toluene-d8	119	112	120	132	
4-Bromofluorobenzene	82	88	81	83	

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110921-4

QA/QC Data - EPA 8260C Analyses

Sample Identification: L110923-3							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Benzene	0.50	0.51	102	0.50	0.51	102	0.0
Toluene	0.50	0.67	133	0.50	0.47	94	34.4

Surrogate Recovery			
Dibromofluoromethane			80
1,2-Dichloroethane-d4			80
Toluene-d8			124
4-Bromofluorobenzene			84

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.41	82
Toluene	0.50	0.39	78

Surrogate Recovery			
Dibromofluoromethane			69
1,2-Dichloroethane-d4			87
Toluene-d8			129
4-Bromofluorobenzene			71

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt



1311 N. 35th St.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Libby Environmental
Sherry Chilcutt
4139 Libby Rd. NE
Olympia, Washington 98506

RE: Whitney's Chevrolet
Lab ID: 1109108

October 03, 2011

Attention Sherry Chilcutt:

Fremont Analytical, Inc. received 2 sample(s) on 9/27/2011 for the analyses presented in the following report.

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



Date: 10/03/2011

CLIENT: Libby Environmental
Project: Whitney's Chevrolet
Lab Order: 1109108

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1109108-001	WA1-EX8:11	09/21/2011 1:07 PM	09/27/2011 10:20 AM
1109108-002	WA1-EX9:9	09/21/2011 1:15 PM	09/27/2011 10:20 AM

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



CLIENT: Libby Environmental
Project: Whitney's Chevrolet

I. SAMPLE RECEIPT:

All samples were received intact.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



Client: Libby Environmental

Collection Date: 9/21/2011 1:07:00 PM

Project: Whitney's Chevrolet

Lab ID: 1109108-001

Matrix: Soil

Client Sample ID: WA1-EX8:11

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

Batch ID: 1190

Analyst: PH

Tetrachloroethene (PCE)	ND	0.0199		mg/Kg-dry	1	9/28/2011 6:23:00 PM
Surr: 1-Bromo-4-fluorobenzene	95.2	72-135		%REC	1	9/28/2011 6:23:00 PM
Surr: Dibromofluoromethane	96.1	75.1-135		%REC	1	9/28/2011 6:23:00 PM
Surr: Toluene-d8	94.5	76.5-134		%REC	1	9/28/2011 6:23:00 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: Libby Environmental

Collection Date: 9/21/2011 1:15:00 PM

Project: Whitney's Chevrolet

Lab ID: 1109108-002

Matrix: Soil

Client Sample ID: WA1-EX9:9

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

Batch ID: 1190

Analyst: PH

Tetrachloroethene (PCE)	ND	0.0259		mg/Kg-dry	1	9/28/2011 7:15:00 PM
Surr: 1-Bromo-4-fluorobenzene	98.7	72-135		%REC	1	9/28/2011 7:15:00 PM
Surr: Dibromofluoromethane	112	75.1-135		%REC	1	9/28/2011 7:15:00 PM
Surr: Toluene-d8	108	76.5-134		%REC	1	9/28/2011 7:15:00 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: 1109108
 CLIENT: Libby Environmental
 Project: Whitney's Chevrolet

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: MB-1190	SampType: MBLK	Units: mg/Kg		Prep Date: 9/27/2011	RunNo: 1964						
Client ID: MBLKS	Batch ID: 1190			Analysis Date: 9/28/2011	SeqNo: 34676						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.491		0.5000		98.1	72	135				
Surr: Dibromofluoromethane	0.541		0.5000		108	75.1	135				
Surr: Toluene-d8	0.532		0.5000		106	76.5	134				

Sample ID: LCS-1190	SampType: LCS	Units: %REC		Prep Date: 9/27/2011	RunNo: 1964						
Client ID: LCSS	Batch ID: 1190			Analysis Date: 9/28/2011	SeqNo: 34677						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	0.492		0.5000		98.5	72	144				
Surr: Dibromofluoromethane	0.525		0.5000		105	75.1	137				
Surr: Toluene-d8	0.512		0.5000		102	76.5	134				

Sample ID: 1109108-001AMS	SampType: MS	Units: mg/Kg-dry		Prep Date: 9/28/2011	RunNo: 1964						
Client ID: WA1-EX8:11	Batch ID: 1190			Analysis Date: 9/28/2011	SeqNo: 34970						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.308	0.0199	0.3988	0	77.3	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.486		0.4985		97.5	72	144				
Surr: Dibromofluoromethane	0.488		0.4985		97.9	75.1	137				
Surr: Toluene-d8	0.490		0.4985		98.4	76.5	134				

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit
 S Spike recovery outside accepted recovery limits



Date: 10/3/2011

Work Order: 1109108
 CLIENT: Libby Environmental
 Project: Whitney's Chevrolet

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260

Sample ID: 1109108-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/28/2011	RunNo: 1964							
Client ID: WA1-EX9:9	Batch ID: 1190		Analysis Date: 9/28/2011	SeqNo: 34972							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0259						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.656		0.6467		101	72	135		0		
Surr: Dibromofluoromethane	0.701		0.6467		108	75.1	135		0		
Surr: Toluene-d8	0.689		0.6467		107	76.5	134		0		

Sample ID: CCV-1190B	SampType: CCV	Units: mg/Kg	Prep Date: 9/28/2011	RunNo: 1964							
Client ID: CCV	Batch ID: 1190		Analysis Date: 9/28/2011	SeqNo: 34973							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	9.05	0.0200	10.00	0	90.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	9.47		10.00		94.7	72	135				
Surr: Dibromofluoromethane	10.9		10.00		109	75.1	135				
Surr: Toluene-d8	9.72		10.00		97.2	76.5	134				

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit
 S Spike recovery outside accepted recovery limits

Libby Environmental, Inc.

Chain of Custody Record

1109108

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9-26-11

Page: 1 of 1

Client: Libby

Project Manager:

Address:

Project Name: Whitney's Chevrolet

Phone: Fax:

Location: City: Montesano

Client Project #

Collector: Date of Collection: 9-21-11



Sample Number	Depth	Time	Sample Type	Container Type	VOA 802/B	VOA 802/B BTEX Only	VOA 8060 PCE	SEMI VOL 8270	NWTPH/Cl	NWTPH/Gx	NWTPH/Dx	PAH 8270	PCB's 8082	MICA 5 Metals	Field Notes
1	WAL-EX-11	1307	SOIL	7026A	X										2
2	WAL-EX-19	1315	SOIL	8026A	X										2
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															

Relinquished by:	Date / Time	Received by:	Date / Time	Sample Receipt	Remarks:
<i>[Signature]</i>	9/26/11 15:25 PM	<i>[Signature]</i>	9/27/11 10:20		
Relinquished by:	Date / Time	Received by:	Date / Time		
Relinquished by:	Date / Time	Received by:	Date / Time		
				Good Condition?	STC
				Cold?	
				Seals Intact?	
				Total Number of Containers	



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 13, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx and BTEX by EPA Method 8260C, PCE by EPA Method 8260C and Oil by NWTPH-Dx/Dx Extended on September 24 & 25, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110923-3

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	WA1-SW33	WA1-SW34
	Blank	:12	:13
Date Sampled	Reporting	N/A	9/23/11
Date Analyzed	Limits	9/24/11	9/25/11
	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	0.48
Toluene	0.03	nd	6.7
Tetrachloroethene (PCE)	0.02	nd	0.24
Ethylbenzene	0.03	nd	0.12
Total Xylenes	0.03	nd	0.82
Gasoline	10	nd	129
Surrogate Recovery			
Dibromofluoromethane	77	76	74
1,2-Dichloroethane-d4	129	122	124
Toluene-d8	134	121	66
4-Bromofluorobenzene	81	80	70

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110923-3

QA/QC Data - EPA 8260C Analyses

Sample Identification:							RPD
Matrix Spike			Matrix Spike Duplicate				
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Benzene	0.50	0.38	76	0.50	0.49	98	25.3
Toluene	0.50	int	int	0.50	int	int	int
Surrogate Recovery							
Dibromofluoromethane			75			69	
1,2-Dichloroethane-d4			135			122	
Toluene-d8			int			int	
4-Bromofluorobenzene			93			90	

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.57	114
Toluene	0.50	0.49	98

Surrogate Recovery		
Dibromofluoromethane		80
1,2-Dichloroethane-d4		108
Toluene-d8		123
4-Bromofluorobenzene		71

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110923-3

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	WA1-SW31
	Blank	:5
Date Sampled	Reporting	N/A
Date Analyzed	Limits	9/23/11
	(mg/kg)	9/25/11
	(mg/kg)	(mg/kg)
Benzene	0.02	nd
Toluene	0.03	nd
Ethylbenzene	0.03	nd
Total Xylenes	0.03	nd
Gasoline	10	nd
Surrogate Recovery		
Dibromofluoromethane	77	72
1,2-Dichloroethane-d4	129	135
Toluene-d8	134	126
4-Bromofluorobenzene	81	82
"nd" Indicates not detected at listed detection limit.		
"int" Indicates that interference prevents determination.		

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110923-3

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C

Sample Description	Method	WA1-SW32
	Blank	:11
Date Sampled	Reporting	N/A 9/21/11
Date Analyzed	Limits	9/24/11 9/24/11
	(mg/kg)	(mg/kg)
Tetrachloroethene (PCE)	0.02	nd 0.073
Surrogate Recovery		
Dibromofluoromethane	77	77
1,2-Dichloroethane-d4	129	126
Toluene-d8	134	83
4-Bromofluorobenzene	81	79
"nd" Indicates not detected at listed detection limit.		
"int" Indicates that interference prevents determination.		

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110923-3

QA/QC Data - EPA 8260C Analyses

Sample Identification:							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Benzene	0.50	0.41	82	0.50	0.41	82	0.0
Toluene	0.50	0.41	82	0.50	0.42	84	2.4

Surrogate Recovery

Dibromofluoromethane
 1,2-Dichloroethane-d4
 Toluene-d8
 4-Bromofluorobenzene

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.57	114
Toluene	0.50	0.49	98

Surrogate Recovery

Dibromofluoromethane 80
 1,2-Dichloroethane-d4 108
 Toluene-d8 123
 4-Bromofluorobenzene 71

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110923-3

Analyses of Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/24/11	125	nd
WA1-SW31:5	9/24/11	98	nd
WA1-SW31:5 Dup	9/24/11	92	nd
WA1-SW33:12	9/24/11	79	nd
WA1-SW34:13	9/24/11	87	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9/23/11 Page: 1 of 1

Client: Environmental Partners Inc.

Project Manager: Glen Hayman

Address: 295 NE Gilman Blvd, Ste 201, Ilwaco, WA

Project Name: 51201.8, Whitney's

Phone: 425-281-3629 Fax:

Location: Montesano City:

Client Project # 51201.8

Collector: Eric Caddey Date of Collection: 9/23/11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes										Field Notes			
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260 PCE	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCAs 5 Metals				
1 WAI-SW30:5		11:03	soil	VOA, 4-02	X					X	X							9/23/11 Standard Test rush by noon Muddy.
2 WAI-SW32:11		14:41	"	"		X												
3 WAI-SW33:12		14:48	"	"	X	X				X	X							
4 WAI-SW34:13		14:55	"	"	X	X				X	X							
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		

Relinquished by: <u>[Signature]</u>	Date / Time: <u>9/23/11 16:15</u>	Received by: <u>[Signature]</u>	Date / Time: <u>9/23/11 16:15</u>	Sample Receipt: Good Condition? Cold? Seals Intact? Total Number of Containers	Remarks:
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		

Distribution: White - Lab, Yellow - File, Pink - Originator



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 13, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx and BTEX by EPA Method 8260C, PCE by EPA Method 8260C, Oil by NWTPH-Dx/Dx Extended and Lead by EPA Method 7421 on September 27 & 28, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

A handwritten signature in black ink that reads "Jamie L. Hart". The signature is written in a cursive, flowing style.

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110927-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	WA1-SW35	WA1-SW36	WA1-SW37	WA1-B14	WA1-B14	
	Blank	:13	:13	:13	:16	:16 Dup	
Date Sampled	Reporting	N/A	9/27/11	9/27/11	9/27/11	9/27/11	
Date Analyzed	Limits	9/27/11	9/27/11	9/27/11	9/27/11	9/27/11	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Benzene	0.02	nd	1.2	0.18	0.19	nd	nd
Toluene	0.03	nd	8.4	2.4	2.5	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	2.4	0.84	1.0	nd	nd
Total Xylenes	0.03	nd	14	5.1	5.9	nd	nd
Gasoline	10	nd	31	22	37	nd	nd
Surrogate Recovery							
Dibromofluoromethane		90	90	81	85	76	71
1,2-Dichloroethane-d4		119	130	131	122	112	119
Toluene-d8		115	125	116	116	134	123
4-Bromofluorobenzene		84	80	90	89	77	79

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110927-10

QA/QC Data - EPA 8260C Analyses

Sample Identification: WA1-SW37:13							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Benzene	0.50	0.41	82	0.50	0.41	82	0.0
Toluene	0.50	int	int	0.50	0.35	70	na

Surrogate Recovery			
Dibromofluoromethane			72
1,2-Dichloroethane-d4			124
Toluene-d8			119
4-Bromofluorobenzene			80

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.53	106
Toluene	0.50	0.55	110

Surrogate Recovery			
Dibromofluoromethane			89
1,2-Dichloroethane-d4			121
Toluene-d8			117
4-Bromofluorobenzene			77

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110927-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		WA1-SW38 :14	WA1-SW39 :12	WA1-B15 :16	WA1-SW41 :5
Date Sampled	Reporting	9/27/11	9/27/11	9/27/11	9/27/11
Date Analyzed	Limits	9/27/11	9/27/11	9/27/11	9/27/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	0.02	0.026	nd	nd
Toluene	0.03	0.12	0.31	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd
Ethylbenzene	0.03	0.098	0.35	0.060	nd
Total Xylenes	0.03	0.58	1.9	0.32	nd
Gasoline	10	nd	28	18	nd
Surrogate Recovery					
Dibromofluoromethane		69	71	71	74
1,2-Dichloroethane-d4		131	126	120	115
Toluene-d8		119	121	119	131
4-Bromofluorobenzene		80	83	84	76

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110927-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		Method Blank	WA1-DUP -6	WA1-SW40 :10
Date Sampled	Reporting	N/A	9/27/11	9/27/11
Date Analyzed	Limits (mg/kg)	9/27/11 (mg/kg)	9/27/11 (mg/kg)	9/27/11 (mg/kg)
Benzene	0.02	nd	nd	nd
Toluene	0.03	nd	nd	0.080
Ethylbenzene	0.03	nd	nd	2.0
Total Xylenes	0.03	nd	nd	10
Gasoline	10	nd	16	628
Surrogate Recovery				
Dibromofluoromethane		90	71	68
1,2-Dichloroethane-d4		119	122	119
Toluene-d8		115	124	129
4-Bromofluorobenzene		84	81	109

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110927-10

Analyses of Oil (NWTPH-Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/27/11	82	nd
WA1-B15:16	9/27/11	90	nd
WA1-B15:16 Dup	9/27/11	87	nd
WA1-SW41:5	9/27/11	82	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110927-10

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	9/28/2011	nd
WA1-B15:16	9/28/2011	nd
WA1-B15:16 Dup	9/28/2011	nd
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110927-10

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
LCS	9/28/11	103%
WA1-B15:16 MS	9/28/11	112%
WA1-B15:16 MSD	9/28/11	110%
RPD	9/28/11	1.8
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9-27-11 Page: 11 of 11

Client: EPI

Project Manager: Glenn Hayman

Address:

Project Name: Whitney's Chevrolet

Phone: Fax:

Location: City: Montesano

Client Project # 51201.8

Collector: Eric Cuddy Date of Collection: 9-27-11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes											Field Notes							
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260 PCB	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals	Total Lead								
1 WAI-SW35:13		10:10	S	4oz VOA	X	X			X														2
2 WAI-SW36:13		10:16	S	"	X	X			X														2
3 WAI-SW37:13		10:21	S	"	X	X			X														2
4 WAI-SW38:16		10:26	S	"	X	X			X														2
5 WAI-SW38:14		13:00	S	"	X	X			X														2
6 WAI-SW39:12		13:07	S	"	X	X			X														2
7 WAI-RIS:16		14:06	S	"	X	X			X		X						X						
8 WAI-Dup-6		-	S	"	X				X														
9 WAI-SW40:10		13:39	S	"	X				X														
10 WAI-SW41:5		15:42	S	"	X	X			X		X												
11																							
12																							
13																							
14																							
15																							
16																							
17																							
18																							

Relinquished by: <i>[Signature]</i>	Date / Time: 9/27/11	Received by: <i>[Signature]</i>	Date / Time: 9-27-11	Sample Receipt:	Remarks:		
Relinquished by:	Date / Time:	Received by:	Date / Time:			Good Condition?	
Relinquished by:	Date / Time:	Received by:	Date / Time:			Cold?	
Relinquished by:	Date / Time:	Received by:	Date / Time:			Seals Intact?	
				Total Number of Containers			

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110928-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	WA1-SW42	WA1-SW43	WA1-B16	WA1-B16	WA1-B17
	Blank	:13	:11	:16	:16 Dup	:16
Date Sampled	Reporting	N/A	9/28/11	9/28/11	9/28/11	9/28/11
Date Analyzed	Limits	9/28/11	9/28/11	9/28/11	9/28/11	9/28/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	0.026	nd	nd	nd
Toluene	0.03	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	0.17	0.44	nd	nd
Total Xylenes	0.03	nd	1.1	3.0	nd	nd
Gasoline	10	nd	nd	14	nd	nd
Surrogate Recovery						
Dibromofluoromethane		71	76	77	66	85
1,2-Dichloroethane-d4		127	115	112	125	131
Toluene-d8		129	119	120	120	130
4-Bromofluorobenzene		78	80	78	80	75

"nd" Indicates not detected at listed detection limit.
 "int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110928-10

QA/QC Data - EPA 8260C Analyses

Sample Identification: WA1-B17:16							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Benzene	0.50	0.44	88	0.50	0.42	84	4.7
Toluene	0.50	0.41	82	0.50	0.44	88	7.1
Surrogate Recovery							
Dibromofluoromethane			86			80	
1,2-Dichloroethane-d4			129			112	
Toluene-d8			116			117	
4-Bromofluorobenzene			78			80	

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.45	90
Toluene	0.50	0.41	82

Surrogate Recovery		
Dibromofluoromethane		96
1,2-Dichloroethane-d4		129
Toluene-d8		132
4-Bromofluorobenzene		79

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L110928-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		WA1-SW46 :11	WA1-SW47 :5	WA1-DUP -7
Date Sampled	Reporting	9/28/11	9/28/11	9/28/11
Date Analyzed	Limits	9/28/11	9/28/11	9/28/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd	nd
Toluene	0.03	0.50	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd
Ethylbenzene	0.03	0.23	nd	nd
Total Xylenes	0.03	1.3	nd	nd
Gasoline	10	14	nd	nd
Surrogate Recovery				
Dibromofluoromethane		83	70	74
1,2-Dichloroethane-d4		126	124	133
Toluene-d8		128	122	129
4-Bromofluorobenzene		83	81	82
"nd" Indicates not detected at listed detection limit.				
"int" Indicates that interference prevents determination.				

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110928-10

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C

Sample Description	Method	WA1-SW44	WA1-SW45	
	Blank	:12	:11	
Date Sampled	Reporting	N/A	9/28/11	9/28/11
Date Analyzed	Limits	9/28/11	9/28/11	9/28/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Tetrachloroethene (PCE)	0.02	nd	nd	nd
Surrogate Recovery				
Dibromofluoromethane	71	71	71	
1,2-Dichloroethane-d4	127	134	115	
Toluene-d8	129	118	121	
4-Bromofluorobenzene	78	84	79	

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110928-10

Analyses of Oil (NWTPH-Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Oil (mg/kg)
Method Blank	9/28/11	96	nd
WA1-SW46:11	9/28/11	70	nd
WA1-SW46:11 DUP	9/28/11	73	nd
WA1-SW47:5	9/28/11	109	nd
WA1-DUP-7	9/28/11	84	nd
Practical Quantitation Limit			40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L110928-10

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	9/28/11	nd
WA1-B17:16	9/28/11	nd
WA1-SW46:11	9/28/11	nd
WA1-SW47:5	9/28/11	nd
WA1-DUP-7	9/28/11	nd
WA1-DUP-7 Dup	9/28/11	nd
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L110928-10

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
LCS	9/28/11	103%
L110927-10 MS	9/28/11	112%
L110927-10 MSD	9/28/11	110%
RPD	9/28/11	1.8
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 9/28/11 Page: 1 of 1

Client: EPI

Project Manager: GLENN HAYMAN

Address: _____

Project Name: WHITNEY'S CHEVROLET

Phone: _____ Fax: _____

Location: MONTESANO

Client Project # 51201-8

Collector: ERICK CADDEY Date of Collection: 9/28/11

Sample Number	Depth	Time	Sample Type	Container Type	Analytes										Field Note/# Containers			
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-GX	NWTPH-DX	PAH 8270	PCB's 8082	MTCAs 5 Metals		Total Lead		
1 WAI-SW 42:13		8:46	Soil	JAR/VOA	X					X								
2 WAI-SW 43:11		9:53	Soil	JAR/VOA	X	X				X								
3 WAI-B 16:16		10:01	Soil	JAR/VOA	X	X				X								
4 WAI-SW 44:12		10:16	Soil	JAR/VOA		X												
5 WAI-SW 45:11		10:25	"	"		X												
6 WAI-B 17:16		12:39	"	"	X	X				X								
7 WAI-SW 46:11		12:49	"	"	X	X				X	X							
8 WAI-SW 47:5		15:17	"	"	X	X				X	X							
9 WAI-Dup-7					X	X				X	X							
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		

Relinquished by: <u>[Signature]</u>	Date / Time: <u>9/28/11 16:32</u>	Received by: <u>[Signature]</u>	Date / Time: <u>9/28/11 16:32</u>	Sample Receipt:	Remarks:
Relinquished by:	Date / Time:	Received by:	Date / Time:	Good Condition?	
Relinquished by:	Date / Time:	Received by:	Date / Time:	Cold?	
Relinquished by:	Date / Time:	Received by:	Date / Time:	Seals Intact?	
				Total Number of Containers	TAT 24HR 48HR 5-Day

Distribution White - Lab, Yellow - File, Pink - Originator

Appendix 9
Soil Compaction Field Testing Documentation

Northwest Testing Company, Inc.

*CONSTRUCTION TESTING and INSPECTION
ENVIRONMENTAL CONSULTATION and ASSESSMENT*

FIELD INSPECTION REPORT

CLIENT: Glacier Environmental

DATE: September 15/16, 2011

PROJECT: Whitney's Chevrolet, Montesano, WA

REPORT NO: 01

CONTRACTOR: Glacier Environmental

PROJECT NUMBER: 1109.1

INSPECTOR: Mark Robinson

September 15: Inspector Mark Robinson arrives on site, 10:20 am, for initial site inspection in preparation of backfill placement and compaction. Cloudy, 62 degrees.

Inspector meets with Glacier field superintendent Alan Hall and walks through the site. At this time the historic fuel tanks have all been removed from the ground. The excavation is currently approximately 18' in depth and spans across 1st street roadway along the west side of the dealership. The excavation is currently approximately 40' north to south by 32' east to west with a jog in the northeast corner wall. Additional contaminated material still has to be removed at that location, and along the east wall and the south wall. Contractor intends to begin filling the excavation as is before continuing further removal of contaminated material to the east and south.

Imported pit run fill (silty gravel, GP) is also being hauled to the site, and a ramp has been constructed along the south side to allow access into the pit by the excavator. The fill will have to be monitored for depth of lift and visual observation of yield when compacting with the excavator-mounted hoe pak, since entry to the unconfined excavation is prohibited until such time as the fill reached 4' below surrounding grade.

Compaction Equipment: Stanley HZ-22000 hoe pack mounted onto Deere 225C track-hoe.

At 2:30 pm, contractor begins moving the ramp material into the bottom of the excavation along the north end. Material is spread out in a lift approximately 16" in depth allowing for a level bottom in the excavation. The hoe pak is then used to compact the fill until no yield is observed. Fill moisture-conditioned with the hose. Two additional loose lifts (approximately 12" depth) are then placed and compacted to a point where no further yield is noted. No issues are noted with the procedure. A sample of the imported fill is taken for moisture-density testing.

September 16: Inspector Mark Robinson arrives on site, 9:30 am, for observation of backfill placement and compaction. Overcast, 57 degrees.

Upon arrival the level of the backfill along the north side of the excavation is measured at 8 ½' below surrounding grade. Backfill being hauled with two truck and pups in 12-cubic yard loads

allowing ample time for spreading and compacting. Fill is spread in approximate 12" to 18" deep loose lift, moisture-conditioned, and compacted to a non-yield state with the hoe pak. No issues are noted.

With the above procedure thus established, the superintendent and Glacier crew will now monitor the balance of the fill; inspection agency will return to the site to run field compaction testing on the top of the subgrade prior to placement of the roadway section of CSBC. The CSBC will also be field tested for compaction. Further fill placement will become necessary after the removal of two additional tanks still in the ground, and a contaminated lens of soil along the east side by the building, and further south along 1st Street.

NORTHWEST TESTING COMPANY, INC.

Mark Robinson

Mark Robinson

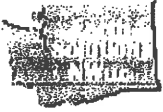
Licensed Professional Geologist

ACI/ICC Certified Concrete Technician

Registered Site Assessor

Licensed UST Decommissioner

PO BOX 11581 OLYMPIA, WASHINGTON 98508-1581 PHONE or FAX (360) 866-3647



Earth Solutions NW
 1805 - 136th Place N.E., Suite 201
 Bellevue, WA 98005
 Telephone: 425-284-3300

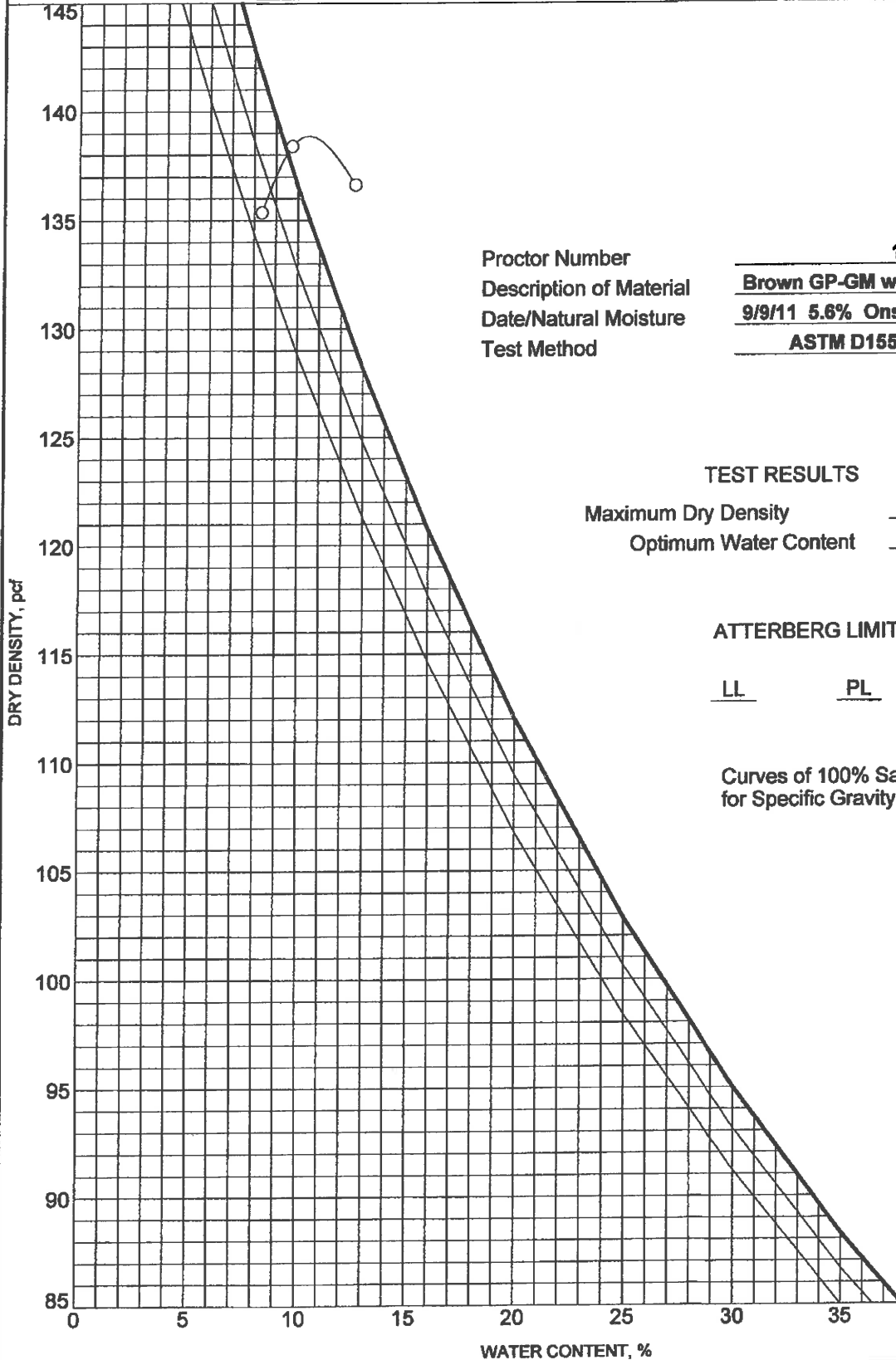
MOISTURE-DENSITY RELATIONSHIP

CLIENT Environmental Partners Inc.

PROJECT NAME Whitney's Chevrolet

PROJECT NUMBER ES-2033

PROJECT LOCATION Montesano



Proctor Number 1
 Description of Material Brown GP-GM with sand
 Date/Natural Moisture 9/9/11 5.6% Onsite
 Test Method ASTM D1557 Method C

TEST RESULTS

Maximum Dry Density 138.8 PCF
 Optimum Water Content 10.5 %

ATTERBERG LIMITS

LL PL PI

Curves of 100% Saturation
 for Specific Gravity Equal to:

- 2.80
- 2.70
- 2.60

Appendix 10
Laboratory Analytical Reports for Work Area 2



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 18, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. A soil sample was analyzed for Gasoline by NWTPH-Gx and BTEX by EPA Method 8260C and PCE by EPA Method 8260C on October 3, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111003-4

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		Method Blank	WA2-EX :10
Date Sampled	Reporting	N/A	10/3/11
Date Analyzed	Limits	10/3/11	10/3/11
	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd
Toluene	0.03	nd	0.08
Tetrachloroethene (PCE)	0.02	nd	nd
Ethylbenzene	0.03	nd	1.7
Total Xylenes	0.03	nd	12
Gasoline	10	nd	526
Surrogate Recovery			
Dibromofluoromethane			93
1,2-Dichloroethane-d4			121
Toluene-d8			127
4-Bromofluorobenzene			79
"nd" Indicates not detected at listed detection limit.			
"int" Indicates that interference prevents determination.			

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111003-4

QA/QC Data - EPA 8260C Analyses

Sample Identification: B-13:7			
Matrix Spike			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.36	72
Toluene	0.50	0.39	78

Surrogate Recovery

Dibromofluoromethane			116
1,2-Dichloroethane-d4			119
Toluene-d8			124
4-Bromofluorobenzene			80

Laboratory Control Sample

	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.36	72
Toluene	0.50	0.40	80

Surrogate Recovery

Dibromofluoromethane			116
1,2-Dichloroethane-d4			111
Toluene-d8			122
4-Bromofluorobenzene			72

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Paul Burke

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 10/3/11 Page: 1 of 1

Client: EPT

Project Manager: Glean Hayman

Address:

Project Name: Whitney

Phone: Fax:

Location: Montesano City:

Client Project # 51201.8

Collector: E. Caddey Date of Collection: 10/3/11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes											Field Notes								
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260 <u>PCE</u>	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals									
<u>1 WAZ-EX1:10</u>		<u>12:51</u>	<u>S</u>	<u>WA 407</u>	X	X		X																
2																								
3																								
4																								
5																								
6																								
7																								
8																								
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10																								
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18																								

Relinquished by: <u>[Signature]</u>	Date / Time: <u>10/3/11</u>	Received by: <u>[Signature]</u>	Date / Time: <u>10-3-11 2:15pm</u>	Sample Receipt: Good Condition? <input type="checkbox"/> Cold? <input type="checkbox"/> Seals Intact? <input type="checkbox"/> Total Number of Containers: <input type="text"/>	Remarks: <u>Rush - AJAP</u>
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 25, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx, BTEX and PCE by EPA Method 8260C, Diesel & Oil by NWTPH-Dx/Dx Extended, Naphthalene by EPA Method 8270 and Lead by EPA Method 7421 on October 6, 7, 18 & 23, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L111004-4

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		Method Blank	UST 4 Stock 1	WA2-EX2 :10	WA2-EX2 :10 Dup	WA2-B1 :12	WA2-DUP -1
Date Sampled	Reporting	N/A	10/4/11	10/4/11	10/4/11	10/4/11	10/4/11
Date Analyzed	Limits (mg/kg)	10/4/11 (mg/kg)	10/4/11 (mg/kg)	10/4/11 (mg/kg)	10/4/11 (mg/kg)	10/4/11 (mg/kg)	10/4/11 (mg/kg)
Benzene	0.02	nd	nd	nd	nd	nd	nd
Toluene	0.03	nd	nd	nd	nd	0.095	0.069
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd	0.14	0.095
Total Xylenes	0.03	nd	nd	nd	nd	1.2	0.75
Naphthalenes	0.03	nd	nd	nd	nd	nd	nd
Gasoline	10	nd	nd	nd	nd	13	nd
Surrogate Recovery							
Dibromofluoromethane		90	90	99	97	99	111
1,2-Dichloroethane-d4		127	121	125	116	128	122
Toluene-d8		119	131	120	131	122	125
4-Bromofluorobenzene		81	82	80	78	85	88
"nd" Indicates not detected at listed detection limit.							
"int" Indicates that interference prevents determination.							

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L111004-4

QA/QC Data - EPA 8260C Analyses

Sample Identification: USTA 4 - Stock 3

Matrix Spike

	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.33	66
Toluene	0.50	0.34	68

Surrogate Recovery

Dibromofluoromethane			78
1,2-Dichloroethane-d4			96
Toluene-d8			130
4-Bromofluorobenzene			74

Laboratory Control Sample

	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.56	112
Toluene	0.50	0.56	112

Surrogate Recovery

Dibromofluoromethane			70
1,2-Dichloroethane-d4			78
Toluene-d8			122
4-Bromofluorobenzene			66

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111004-4

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		WA2-SW2 :9	WA2-SW3 :10
Date Sampled	Reporting	10/4/11	10/4/11
Date Analyzed	Limits (mg/kg)	10/4/11 (mg/kg)	10/4/11 (mg/kg)
Benzene	0.02	nd	nd
Toluene	0.03	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd
Ethylbenzene	0.03	nd	nd
Total Xylenes	0.03	nd	0.25
Naphthalenes	0.03	nd	nd
Gasoline	10	nd	10
Surrogate Recovery			
Dibromofluoromethane		112	109
1,2-Dichloroethane-d4		111	134
Toluene-d8		127	134
4-Bromofluorobenzene		88	85
"nd" Indicates not detected at listed detection limit.			
"int" Indicates that interference prevents determination.			

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L111004-4

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		UST 4 Stock 2	UST 4 Stock 3	WA2-SW1 :4	WA2-SW1 :4 Dup
Date Sampled	Reporting	10/4/11	10/4/11	10/4/11	10/4/11
Date Analyzed	Limits	10/4/11	10/4/11	10/4/11	10/4/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd	nd	nd
Toluene	0.03	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd
Total Xylenes	0.03	nd	nd	nd	nd
Gasoline	10	nd	nd	nd	nd
Surrogate Recovery					
Dibromofluoromethane		81	95	106	99
1,2-Dichloroethane-d4		121	131	135	133
Toluene-d8		125	124	128	122
4-Bromofluorobenzene		76	81	79	81
"nd" Indicates not detected at listed detection limit.					
"int" Indicates that interference prevents determination.					

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111004-4

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		WA2-SW4	WA2-SW5
		:9	:9
Date Sampled	Reporting	10/4/11	10/4/11
Date Analyzed	Limits	10/4/11	10/4/11
	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd
Toluene	0.03	nd	nd
Ethylbenzene	0.03	nd	nd
Total Xylenes	0.03	nd	nd
Naphthalenes	0.03	nd	nd
Gasoline	10	nd	nd
Surrogate Recovery			
Dibromofluoromethane		72	107
1,2-Dichloroethane-d4		70	127
Toluene-d8		131	123
4-Bromofluorobenzene		69	79
"nd" Indicates not detected at listed detection limit.			
"int" Indicates that interference prevents determination.			

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L111004-4

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Oil (mg/kg)
Method Blank	10/4/11	118	nd	nd	nd
UST 4 - Stock 1	10/4/11	109	nd	nd	nd
UST 4 - Stock 2	10/4/11	115	nd	nd	nd
UST 4 - Stock 3	10/4/11	116	nd	nd	nd
WA2-EX2:10	10/4/11	110	nd	nd	nd
WA2-EX2:10 Dup	10/4/11	120	nd	nd	nd
Practical Quantitation Limit			25	40	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L111004-4

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Oil (mg/kg)
Method Blank	10/5/11	113	nd	nd	nd
WA2-SW1:4	10/5/11	int	43	nd	nd
WA2-B1:12	10/5/11	97	nd	nd	nd
WA2-DUP-1	10/5/11	87	nd	nd	nd
WA2-SW2:9	10/5/11	87	nd	nd	nd
WA2-SW3:10	10/5/11	97	nd	nd	nd
WA2-SW4:9	10/5/11	85	nd	nd	nd
WA2-SW5:9	10/5/11	89	nd	nd	nd
Practical Quantitation Limit			25	40	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Jamie Hart

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L111004-4

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	10/23/11	nd
UST 4 - Stock 1	10/23/11	7.3
WA2-EX2:10	10/23/11	103
WA2-B1:12	10/23/11	nd
WA2-DUP-1	10/23/11	nd
WA2-SW2:9	10/23/11	5.3
WA2-SW3:10	10/23/11	nd
WA2-SW4:9	10/23/11	6.1
WA2-SW5:9	10/23/11	36
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Dirk Peterson

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111004-4

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (% Recovery)
LCS	10/23/11	97%
L111021 MS	10/23/11	int
L111021 MSD	10/23/11	int
RPD	10/23/11	N/A
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Dirk Peterson



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10/06/2011


Libby Environmental, Inc.
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt

Client ID: UST 4-Stock 1
Sample Matrix: Soil
Date Sampled: 10/04/2011
Date Received: 10/05/2011
Spectra Project: 2011100137
Spectra Number: 1
Rush

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
1-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
2-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
Acenaphthene	<0.033	mg/Kg	SW846 8270D
Acenaphthylene	<0.033	mg/Kg	SW846 8270D
Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Pyrene	<0.033	mg/Kg	SW846 8270D
Benzo(b)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Benzo(ghi)Perylene	<0.033	mg/Kg	SW846 8270D
Benzo(k)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Chrysene	<0.033	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mg/Kg	SW846 8270D
Fluoranthene	<0.033	mg/Kg	SW846 8270D
Fluorene	<0.033	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Phenanthrene	<0.033	mg/Kg	SW846 8270D
Pyrene	<0.033	mg/Kg	SW846 8270D

<u>Surrogate</u>	<u>% Recovery</u>	<u>Method</u>
2-Fluorobiphenyl	57	SW846 8270D
Nitrobenzene-d5	48	SW846 8270D
p-Terphenyl-d14	80	SW846 8270D

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Steve Hibbs, Laboratory Manager
a5/bw



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10/06/2011

Libby Environmental, Inc.
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt


Client ID: WA2-EX 2:10
Sample Matrix: Soil
Date Sampled: 10/04/2011
Date Received: 10/05/2011
Spectra Project: 2011100137
Spectra Number: 2

Rush

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
1-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
2-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
Acenaphthene	<0.033	mg/Kg	SW846 8270D
Acenaphthylene	<0.033	mg/Kg	SW846 8270D
Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Pyrene	<0.033	mg/Kg	SW846 8270D
Benzo(b)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Benzo(ghi)Perylene	<0.033	mg/Kg	SW846 8270D
Benzo(k)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Chrysene	<0.033	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mg/Kg	SW846 8270D
Fluoranthene	<0.033	mg/Kg	SW846 8270D
Fluorene	<0.033	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Phenanthrene	<0.033	mg/Kg	SW846 8270D
Pyrene	<0.033	mg/Kg	SW846 8270D

<u>Surrogate</u>	<u>% Recovery</u>	<u>Method</u>
2-Fluorobiphenyl	60	SW846 8270D
Nitrobenzene-d5	52	SW846 8270D
p-Terphenyl-d14	80	SW846 8270D

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Steve Hibbs, Laboratory Manager
a5/bw



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October 6, 2011

Libby Environmental, Inc.
4139 Libby Rd. N.E.
Olympia, WA 98506

Spectra Project # 2011100137
Sample Spiked: 2011090675-1
Date Extracted: 10/3/2011
Date Analyzed: 10/3/2011
Units: mg/kg wet wt.
Applies to Spectra #'s: #1-2

GCMS Semi-Volatile Organic Analysis, Method 8270D (Scan Mode) Matrix Spike/ Matrix Spike Duplicate Results in Soil

Compound	Sample Conc.	Spike Added	MS Conc.	MS %Rec	MSD Conc	MSD %Rec	RPD
Phenol	<0.08	2.50	1.25	50	1.78	71	35
2-Chlorophenol	<0.08	2.50	1.46	59	2.04	82	33
1,4-Dichlorobenzene	<0.08	1.67	0.94	56	1.31	78	33
N-Nitroso-Di-N-Propylamine	<0.08	1.67	0.78	47	1.11	66	35
1,2,4-Trichlorobenzene	<0.08	1.67	0.93	55	1.28	77	32
4-Chloro-3-Methylphenol	<0.08	2.50	1.31	52	1.81	72	32
Acenaphthene	<0.03	1.67	0.96	57	1.30	78	30
2,4-Dinitrotoluene	<0.08	1.67	1.19	71	1.35	81	12
4-Nitrophenol	<0.08	2.50	1.73	69	1.75	70	1
Pentachlorophenol	<0.08	2.50	1.26	50	1.30	52	3
Pyrene	<0.03	1.67	1.33	79	1.33	80	0



Steven G. Hibbs
Laboratory Manager



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October 6, 2011

Libby Environmental, Inc.
4139 Libby Rd. N.E.
Olympia, WA 98506

METHOD BLANK RESULTS


Sample matrix: Solids
Spectra Project: 2011100137
Applies to: #1-2

Date Extracted: 10/5/2011
Date Analyzed: 10/5/2011
Dilution: 1
< = less than

POLYNUCLEAR AROMATIC HYDROCARBON ANALYSIS		METHOD 8270	
Compound	mg/Kg	Compound	mg/Kg
Naphthalene	< 0.033	Benzo(a)Anthracene	< 0.033
2-Methylnaphthalene	< 0.033	Chrysene	< 0.033
Acenaphthylene	< 0.033	Benzo(b)Fluoranthene	< 0.033
Acenaphthene	< 0.033	Benzo(k)Fluoranthene	< 0.033
Fluorene	< 0.033	Benzo(a)Pyrene	< 0.033
Phenanthrene	< 0.033	Indeno(1,2,3-cd)Pyrene	< 0.033
Anthracene	< 0.033	Dibenzo(a,h)Anthracene	< 0.033
Fluoranthene	< 0.033	Benzo(g,h,i)Perylene	< 0.033
Pyrene	< 0.033	1-Methylnaphthalene	< 0.033

SURROGATE RECOVERIES

Nitrobenzene-d5	57	%
2-Fluorobiphenyl	67	%
p-Terphenyl-d14	83	%



Steven G. Hibbs
Laboratory Manager

201110037

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Date: 10-5-11 Page: 1 of 1

Client: Libby Environmental, Inc.

Project Manager: Jamie Hart

Address: (see above)

Project Name:

Phone: Fax:

Location: City: Montesano, WA

Client Project # 51201.8

Collector: Date of Collection: 10-4-11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes										Field Notes				
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-GX	NWTPH-DX	PAH 8270, Ext.	PCB's 8082	MTCAs 5 Metals					
1 UST 4 - Stock 1	2	946	Soil	Jar															24hr RUSH TAT
2 WA2 - EX2:10		1111																	24hr RUSH TAT
3 WA2 SW1:4		1120																	5 TB 50, TAT
4 WA2 - ST:12		1207																	"
5 WA2 Dup -1																			"
6 WA2 SW2:9		1211																	"
7 WA2 SW3:10		1220																	"
8 WA2 - SW4:9		1211																	"
9 WA2 - SW5:9		1311																	"
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			

Relinquished by: <i>JPH</i>	Date / Time: 10/5/11 1:20pm	Received by: <i>RJR</i>	Date / Time: 10/5/11 @ 1321	Sample Receipt:	Remarks:		
Relinquished by:	Date / Time:	Received by:	Date / Time:			Good Condition?	
Relinquished by:	Date / Time:	Received by:	Date / Time:			Cold?	
Relinquished by:	Date / Time:	Received by:	Date / Time:			Seals Intact?	
				Total Number of Containers			

Distribution: White - Lab, Yellow - File, Pink - Originator



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10/07/2011

Libby Environmental, Inc.
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt

Client ID: WA2-SW 1:4
Sample Matrix: Soil
Date Sampled: 10/04/2011
Date Received: 10/05/2011
Spectra Project: 2011100142
Spectra Number: 1

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
1-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
2-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
Acenaphthene	<0.033	mg/Kg	SW846 8270D
Acenaphthylene	<0.033	mg/Kg	SW846 8270D
Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Pyrene	<0.033	mg/Kg	SW846 8270D
Benzo(b)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Benzo(ghi)Perylene	<0.033	mg/Kg	SW846 8270D
Benzo(k)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Chrysene	<0.033	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mg/Kg	SW846 8270D
Fluoranthene	<0.033	mg/Kg	SW846 8270D
Fluorene	<0.033	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Phenanthrene	<0.033	mg/Kg	SW846 8270D
Pyrene	<0.033	mg/Kg	SW846 8270D

<u>Surrogate</u>	<u>% Recovery</u>	<u>Method</u>
2-Fluorobiphenyl	73	SW846 8270D
Nitrobenzene-d5	60	SW846 8270D
p-Terphenyl-d14	90	SW846 8270D

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Steve Hibbs, Laboratory Manager
a5/sgh

Page 1 of 7



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10/07/2011


Libby Environmental, Inc.
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt

Client ID: WA2-B1:12
Sample Matrix: Soil
Date Sampled: 10/04/2011
Date Received: 10/05/2011
Spectra Project: 2011100142
Spectra Number: 2

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
1-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
2-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
Acenaphthene	<0.033	mg/Kg	SW846 8270D
Acenaphthylene	<0.033	mg/Kg	SW846 8270D
Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Pyrene	<0.033	mg/Kg	SW846 8270D
Benzo(b)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Benzo(ghi)Perylene	<0.033	mg/Kg	SW846 8270D
Benzo(k)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Chrysene	<0.033	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mg/Kg	SW846 8270D
Fluoranthene	<0.033	mg/Kg	SW846 8270D
Fluorene	<0.033	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Phenanthrene	<0.033	mg/Kg	SW846 8270D
Pyrene	<0.033	mg/Kg	SW846 8270D

<u>Surrogate</u>	<u>% Recovery</u>	<u>Method</u>
2-Fluorobiphenyl	66	SW846 8270D
Nitrobenzene-d5	55	SW846 8270D
p-Terphenyl-d14	82	SW846 8270D

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Steve Hibbs, Laboratory Manager
a5/sgb



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10/07/2011


Libby Environmental, Inc.
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt

Client ID: WA2-Dup-1
Sample Matrix: Soil
Date Sampled: 10/04/2011
Date Received: 10/05/2011
Spectra Project: 2011100142
Spectra Number: 3

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
1-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
2-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
Acenaphthene	<0.033	mg/Kg	SW846 8270D
Acenaphthylene	<0.033	mg/Kg	SW846 8270D
Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Pyrene	<0.033	mg/Kg	SW846 8270D
Benzo(b)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Benzo(ghi)Perylene	<0.033	mg/Kg	SW846 8270D
Benzo(k)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Chrysene	<0.033	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mg/Kg	SW846 8270D
Fluoranthene	<0.033	mg/Kg	SW846 8270D
Fluorene	<0.033	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Phenanthrene	<0.033	mg/Kg	SW846 8270D
Pyrene	<0.033	mg/Kg	SW846 8270D

<u>Surrogate</u>	<u>% Recovery</u>	<u>Method</u>
2-Fluorobiphenyl	69	SW846 8270D
Nitrobenzene-d5	57	SW846 8270D
p-Terphenyl-d14	89	SW846 8270D

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager
a5/sgb



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10/07/2011


Libby Environmental, Inc.
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt

Client ID: WA2-SW2:9
Sample Matrix: Soil
Date Sampled: 10/04/2011
Date Received: 10/05/2011
Spectra Project: 2011100142
Spectra Number: 4

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
1-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
2-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
Acenaphthene	<0.033	mg/Kg	SW846 8270D
Acenaphthylene	<0.033	mg/Kg	SW846 8270D
Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Pyrene	<0.033	mg/Kg	SW846 8270D
Benzo(b)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Benzo(ghi)Perylene	<0.033	mg/Kg	SW846 8270D
Benzo(k)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Chrysene	<0.033	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mg/Kg	SW846 8270D
Fluoranthene	<0.033	mg/Kg	SW846 8270D
Fluorene	<0.033	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Phenanthrene	<0.033	mg/Kg	SW846 8270D
Pyrene	<0.033	mg/Kg	SW846 8270D

<u>Surrogate</u>	<u>% Recovery</u>	<u>Method</u>
2-Fluorobiphenyl	64	SW846 8270D
Nitrobenzene-d5	53	SW846 8270D
p-Terphenyl-d14	80	SW846 8270D

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a5/sgb

Page 4 of 7



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

10/07/2011

Libby Environmental, Inc.
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt


Client ID: WA2-SW3:10
Sample Matrix: Soil
Date Sampled: 10/04/2011
Date Received: 10/05/2011
Spectra Project: 2011100142
Spectra Number: 5

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
1-Methylnaphthalene	<0.10	mg/Kg	SW846 8270D
2-Methylnaphthalene	<0.10	mg/Kg	SW846 8270D
Acenaphthene	<0.10	mg/Kg	SW846 8270D
Acenaphthylene	<0.10	mg/Kg	SW846 8270D
Anthracene	<0.10	mg/Kg	SW846 8270D
Benzo(a)Anthracene	<0.10	mg/Kg	SW846 8270D
Benzo(a)Pyrene	<0.10	mg/Kg	SW846 8270D
Benzo(b)Fluoranthene	<0.10	mg/Kg	SW846 8270D
Benzo(ghi)Perylene	<0.10	mg/Kg	SW846 8270D
Benzo(k)Fluoranthene	<0.10	mg/Kg	SW846 8270D
Chrysene	<0.10	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.10	mg/Kg	SW846 8270D
Fluoranthene	<0.10	mg/Kg	SW846 8270D
Fluorene	<0.10	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.10	mg/Kg	SW846 8270D
Naphthalene	<0.10	mg/Kg	SW846 8270D
Phenanthrene	<0.10	mg/Kg	SW846 8270D
Pyrene	<0.10	mg/Kg	SW846 8270D

PAH reporting limits are elevated due to limited sample volume submitted.

<u>Surrogate</u>	<u>% Recovery</u>	<u>Method</u>
2-Fluorobiphenyl	64	SW846 8270D
Nitrobenzene-d5	55	SW846 8270D
p-Terphenyl-d14	83	SW846 8270D

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager
a5/sgb

Page 5 of 7



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10/07/2011


Libby Environmental, Inc.
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt

Client ID: WA2-SW4:9
Sample Matrix: Soil
Date Sampled: 10/04/2011
Date Received: 10/05/2011
Spectra Project: 2011100142
Spectra Number: 6

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
1-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
2-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
Acenaphthene	<0.033	mg/Kg	SW846 8270D
Acenaphthylene	<0.033	mg/Kg	SW846 8270D
Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Pyrene	<0.033	mg/Kg	SW846 8270D
Benzo(b)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Benzo(ghi)Perylene	<0.033	mg/Kg	SW846 8270D
Benzo(k)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Chrysene	<0.033	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mg/Kg	SW846 8270D
Fluoranthene	<0.033	mg/Kg	SW846 8270D
Fluorene	<0.033	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Phenanthrene	<0.033	mg/Kg	SW846 8270D
Pyrene	<0.033	mg/Kg	SW846 8270D

<u>Surrogate</u>	<u>% Recovery</u>	<u>Method</u>
2-Fluorobiphenyl	67	SW846 8270D
Nitrobenzene-d5	56	SW846 8270D
p-Terphenyl-d14	85	SW846 8270D

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a5/sgh

Page 6 of 7



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10/07/2011

Libby Environmental, Inc.
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt

Client ID: WA2-SW5:9
Sample Matrix: Soil
Date Sampled: 10/04/2011
Date Received: 10/05/2011
Spectra Project: 2011100142
Spectra Number: 7

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
1-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
2-Methylnaphthalene	<0.033	mg/Kg	SW846 8270D
Acenaphthene	<0.033	mg/Kg	SW846 8270D
Acenaphthylene	<0.033	mg/Kg	SW846 8270D
Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Anthracene	<0.033	mg/Kg	SW846 8270D
Benzo(a)Pyrene	<0.033	mg/Kg	SW846 8270D
Benzo(b)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Benzo(ghi)Perylene	<0.033	mg/Kg	SW846 8270D
Benzo(k)Fluoranthene	<0.033	mg/Kg	SW846 8270D
Chrysene	<0.033	mg/Kg	SW846 8270D
Dibenz(a,h)Anthracene	<0.033	mg/Kg	SW846 8270D
Fluoranthene	<0.033	mg/Kg	SW846 8270D
Fluorene	<0.033	mg/Kg	SW846 8270D
Indeno(1,2,3-cd)Pyrene	<0.033	mg/Kg	SW846 8270D
Naphthalene	<0.033	mg/Kg	SW846 8270D
Phenanthrene	<0.033	mg/Kg	SW846 8270D
Pyrene	<0.033	mg/Kg	SW846 8270D

<u>Surrogate</u>	<u>% Recovery</u>	<u>Method</u>
2-Fluorobiphenyl	63	SW846 8270D
Nitrobenzene-d5	54	SW846 8270D
p-Terphenyl-d14	83	SW846 8270D

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a5/sgb

Page 7 of 7



SPECTRA Laboratories

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October 7, 2011

Libby Environmental, Inc.
4139 Libby Rd. N.E.
Olympia, WA 98506

Spectra Project # 2011100142
Sample Spiked: Method Blank
Date Extracted: 10/6/2011
Date Analyzed: 10/6/2011
Units: mg/kg wet wt.
Applies to Spectra #'s: #1-7

GCMS Semi-Volatile Organic Analysis, Method 8270D (Scan Mode) Blank Spike (LCS) Results in Soil/ Solids

Compound	Blank Conc.	Spike Added	LCS Conc.	LCS %Rec
Phenol	<0.08	2.50	1.59	64
2-Chlorophenol	<0.08	2.50	1.88	75
1,4-Dichlorobenzene	<0.08	1.67	1.19	71
N-Nitroso-Di-N-Propylamine	<0.08	1.67	0.94	56
1,2,4-Trichlorobenzene	<0.08	1.67	1.18	71
4-Chloro-3-Methylphenol	<0.08	2.50	1.61	65
Acenaphthene	<0.03	1.67	1.22	73
2,4-Dinitrotoluene	<0.08	1.67	1.30	78
4-Nitrophenol	<0.08	2.50	1.69	67
Pentachlorophenol	<0.08	2.50	1.13	45
Pyrene	<0.03	1.67	1.28	77

Surrogates	%Rec
2-Fluorophenol	61
Phenol-d5	61
Nitrobenzene-d5	56
2-Fluorobiphenyl	66
2,4,6-Tribromophenol	76
p-Terphenyl-d14	85



Steven G. Hibbs
Laboratory Manager



SPECTRA Laboratories

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October 7, 2011

Libby Environmental, Inc.
4139 Libby Rd. N.E.
Olympia, WA 98506

Spectra Project # 2011100142
Sample Spiked: 2011100137-2
Date Extracted: 10/6/2011
Date Analyzed: 10/6/2011
Units: mg/kg wet wt.
Applies to Spectra #'s: #1-7

GCMS Semi-Volatile Organic Analysis, Method 8270D (Scan Mode) Matrix Spike/ Matrix Spike Duplicate Results in Soil

Compound	Sample Conc.	Spike Added	MS Conc.	MS %Rec	MSD Conc	MSD %Rec	RPD
Phenol	<0.08	2.50	1.70	68	1.74	70	2
2-Chlorophenol	<0.08	2.50	2.01	81	2.07	83	3
1,4-Dichlorobenzene	<0.08	1.67	1.29	77	1.33	79	3
N-Nitroso-Di-N-Propylamine	<0.08	1.67	1.05	63	1.08	65	3
1,2,4-Trichlorobenzene	<0.08	1.67	1.31	78	1.31	79	1
4-Chloro-3-Methylphenol	<0.08	2.50	1.81	72	1.79	72	1
Acenaphthene	<0.03	1.67	1.32	79	1.34	80	2
2,4-Dinitrotoluene	<0.08	1.67	1.35	81	1.36	81	0
4-Nitrophenol	<0.08	2.50	1.71	68	1.63	65	4
Pentachlorophenol	<0.08	2.50	1.65	66	1.63	65	1
Pyrene	<0.03	1.67	1.39	83	1.39	83	0



Steven G. Hibbs
Laboratory Manager



SPECTRA Laboratories

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October 7, 2011

Libby Environmental, Inc.
4139 Libby Rd. N.E.
Olympia, WA 98506

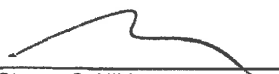
METHOD BLANK RESULTS
Sample matrix: Solids
Spectra Project: 2011100142
Applies to: #1-7

Date Extracted: 10/6/2011
Date Analyzed: 10/6/2011
Dilution: 1
< = less than

POLYNUCLEAR AROMATIC HYDROCARBON ANALYSIS		METHOD 8270	
Compound	mg/Kg	Compound	mg/Kg
Naphthalene	< 0.033	Benzo(a)Anthracene	< 0.033
2-Methylnaphthalene	< 0.033	Chrysene	< 0.033
Acenaphthylene	< 0.033	Benzo(b)Fluoranthene	< 0.033
Acenaphthene	< 0.033	Benzo(k)Fluoranthene	< 0.033
Fluorene	< 0.033	Benzo(a)Pyrene	< 0.033
Phenanthrene	< 0.033	Indeno(1,2,3-cd)Pyrene	< 0.033
Anthracene	< 0.033	Dibenzo(a,h)Anthracene	< 0.033
Fluoranthene	< 0.033	Benzo(g,h,i)Perylene	< 0.033
Pyrene	< 0.033	1-Methylnaphthalene	< 0.033

SURROGATE RECOVERIES

Nitrobenzene-d5	54	%
2-Fluorobiphenyl	66	%
p-Terphenyl-d14	90	%



Steven G. Hibbs
Laboratory Manager

20 11 100142

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 10-5-11

Page: 1 of 1

Client: Libby Environmental, Inc.

Project Manager: Jamie Hart

Address: (see above)

Project Name:

Phone: Fax:

Location:

City: Montesano, WA

Client Project # 51201.8

Collector:

Date of Collection: 10-4-11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes											Field Notes			
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270, Total	PCB's 8082	MICA 5 Metals	Nephelometry				
1 WAZ-Stock	9	946	Soil	Jar															
2 WAZ-EX2-10	11	1111																	24hr RUSH TAT
3 WAZ-SW1:4		1120																	24hr RUSH TAT
4 WAZ-BI:12		1202																	STD 5 Day TAT
5 WAZ-Dup-1		-																	"
6 WAZ-SW2:9		1211																	"
7 WAZ-SW3:10		1220																	"
8 WAZ-SW4:9		1211																	"
9 WAZ-SW5:9		1319																	"
10																			"
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			

Relinquished by: *Jere* Date / Time: 10/5/11 1:20pm

Received by: *[Signature]* Date / Time: 10/5/11 0132

Relinquished by: Date / Time

Received by: Date / Time

Relinquished by: Date / Time

Received by: Date / Time

Sample Receipt:

Remarks:

Good Condition?	
Cold?	
Seals Intact?	
Total Number of Containers	

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 10/4/11

Page: 1 of 1

Client: Environmental Partners, Inc.

Project Manager: Glenn Hayman

Address: F Sea Beach, WA

Project Name: Whitney

Phone: 425-281-3629 Fax:

Location: Minterano City:

Client Project # 51201.8

Collector: Eric Caddey Date of Collection: 10/4/11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes												Field Notes
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260 PCE	SEMI VOL 8270	NWTPH-HCID	NWTPH-GX	NWTPH-DX	PAH 8270	PCB's 8082	MTCA 5 Metals	Total Lead	Total Nonhalogenated	
1 WIT4-Stack 1		09:46	S	VOA 4oz	X	X		X	X					X	X		
2 WIT4-Stack 2		09:50	S	"	X			X	X								
3 WIT4-Stack 3		09:55	S	"	X			X	X								
4 WA2-Ext: 10		11:11	S	"	X	X		X	X				X	X			
5 WA2-SW1: 4		11:20	S	"	X			X	X						X		
6 WA2-B1: 12		12:02	S	"	X	X		X	X				X	X			
7 WA2-Duct-1		-	S	"	X	X		X	X				X	X			
8 WA2-SW2: 9		12:11	S	"	X	X		X	X				X	X			
9 WA2-SW3: 10		12:20	S	"	X	X		X	X				X	X			
10 WA2-SW4: 9		12:11	S	"	X			X	X				X	X			
11 WA2-SW5: 9		12:10	S	"	X			X	X				X	X			
12																	
13																	
14																	
15																	
16																	
17																	
18																	

8270 w/ Naphthalene

24hr Rush extent lead-normal

normal Turn

Relinquished by: <i>[Signature]</i>	Date / Time: 10/4/11 15:20	Received by: <i>[Signature]</i>	Date / Time: 10/4/11 15:20	Sample Receipt: Good Condition? Cold? Seals Intact? Total Number of Containers	Remarks:
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		

Appendix 11
Engineering Diagrams for Shoring Requirements



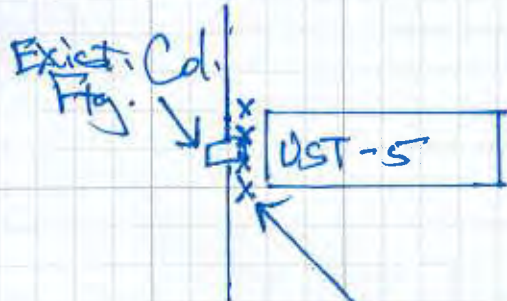
Earth Solutions NW LLC
CALCULATION SHEET

Name: BAE
 Date: 7/4/11
 Project Number: RS-2022
 Project Name: Whitney's Chev.

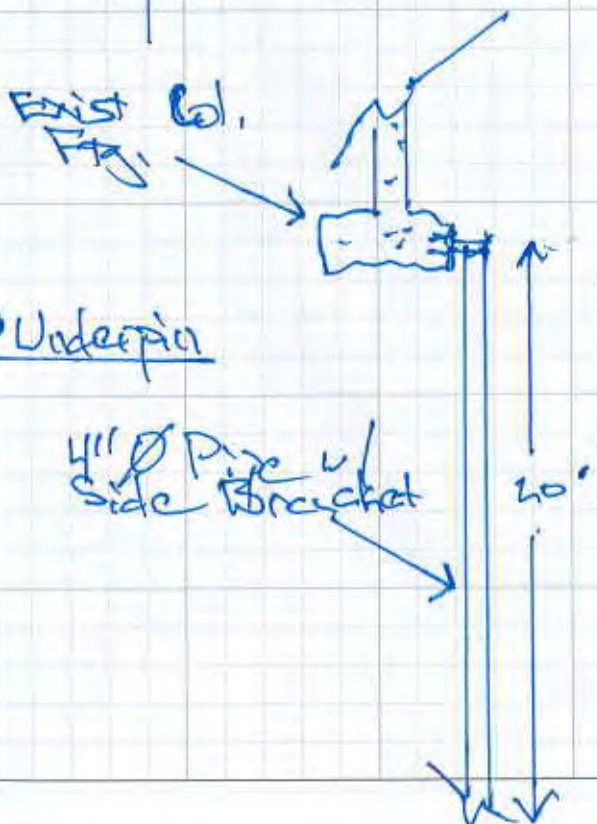
Geotechnical Engr. To Observe Excavation
 And Stability - Additional Shoring Or
 Underpinning May Be Required



UST-4



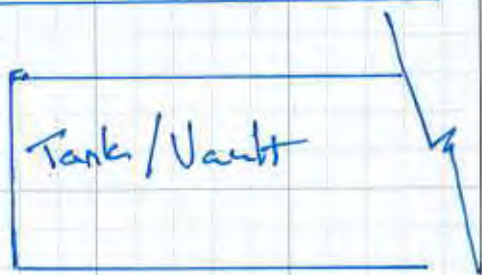
Shoring / Underpin



Driven 4" ϕ Pipe
 3ft. o.c.
 20ft. lengths

Shoring

1-1/4" Ply. Wd. Sheets



20'

Appendix 12
Laboratory Analytical Reports for Work Area 3



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 24, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx, BTEX and PCE by EPA Method 8260C, Diesel & Oil by NWTPH-Dx/Dx Extended, PCB (Polychlorinated Biphenyls) by EPA Method 8082, Lead by EPA Method 7421 and PAH (Polyaromatic Hydrocarbons) by EPA Method 8270 on October 12, 13, 14, 16 & 17, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L111012-7

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWWPH-GX IN SOIL

Sample Description	Method	WA3-EX1	WA3-EX1
	Blank	:9	:9 Dup
Date Sampled	Reporting	N/A	10/11/11
Date Analyzed	Limits	10/13/11	10/13/11
	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd
Toluene	0.15	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd
Ethylbenzene	0.10	nd	nd
Total Xylenes	0.15	nd	nd
Total Naphthalenes	0.15	nd	nd
Gasoline	10	nd	21
Surrogate Recovery			
Dibromofluoromethane	89	77	65
1,2-Dichloroethane-d4	128	int	81
Toluene-d8	114	124	120
4-Bromofluorobenzene	78	78	72
"nd" Indicates not detected at listed detection limit.			
"int" Indicates that interference prevents determination.			

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L111012-7

QA/QC Data - EPA 8260C Analyses

Sample Identification: L111013-10							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Benzene	0.50	0.44	88	0.50	0.46	92	4.4
Toluene	0.50	0.46	92	0.50	0.44	88	4.4
Surrogate Recovery							
Dibromofluoromethane			82			76	
1,2-Dichloroethane-d4			132			119	
Toluene-d8			115			126	
4-Bromofluorobenzene			79			77	

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.47	94
Toluene	0.50	0.47	94
Surrogate Recovery			
Dibromofluoromethane			83
1,2-Dichloroethane-d4			125
Toluene-d8			127
4-Bromofluorobenzene			73

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
 ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L111012-7

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	WA3-SW1	WA3-SW4	WA3-SW6	WA3-SW7	WA3-SW8
	Blank	:4	:9	:5	:5	:5
Date Sampled	Reporting	N/A	10/11/11	10/11/11	10/11/11	10/11/11
Date Analyzed	Limits	10/13/11	10/13/11	10/13/11	10/13/11	10/13/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd	nd	nd	0.17
Toluene	0.15	nd	nd	nd	nd	6.74
Ethylbenzene	0.10	nd	nd	nd	nd	3.98
Total Xylenes	0.15	nd	nd	nd	nd	22.6
Gasoline	10	nd	nd	nd	nd	975
Surrogate Recovery						
Dibromofluoromethane	76	69	74	74	79	76
1,2-Dichloroethane-d4	128	129	123	114	131	116
Toluene-d8	127	120	112	127	119	119
4-Bromofluorobenzene	78	77	80	76	77	76

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L111012-7

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		WA3-B3 :10.5	WA3- Dup-1	WA3- Dup-1 Dup
Date Sampled	Reporting	10/11/11	10/11/11	10/11/11
Date Analyzed	Limits	10/13/11	10/13/11	10/13/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	0.068	nd	nd
Toluene	0.15	nd	nd	nd
Ethylbenzene	0.10	0.53	nd	nd
Total Xylenes	0.15	2.56	nd	nd
Gasoline	10	73	nd	nd
Surrogate Recovery				
Dibromofluoromethane		72	73	72
1,2-Dichloroethane-d4		106	126	135
Toluene-d8		122	129	122
4-Bromofluorobenzene		78	75	79

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L111012-7

QA/QC Data - EPA 8260C Analyses

Sample Identification: WA3-SW9:8.5							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Benzene	0.50	0.45	90	0.50	0.48	96	6.5
Toluene	0.50	0.45	90	0.50	0.47	94	4.3
Surrogate Recovery							
Dibromofluoromethane			72			90	
1,2-Dichloroethane-d4			103			131	
Toluene-d8			128			128	
4-Bromofluorobenzene			86			79	

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.43	86
Toluene	0.50	0.44	88
Surrogate Recovery			
Dibromofluoromethane			75
1,2-Dichloroethane-d4			102
Toluene-d8			108
4-Bromofluorobenzene			74

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
 ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L111012-7

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	WA3-SW2	WA3-SW3	WA3-B1	WA3-B2	WA3-SW5
	Blank	:9	:9.5	:10.5	:9.5	:8
Date Sampled	Reporting	N/A	10/11/11	10/11/11	10/11/11	10/11/11
Date Analyzed	Limits	10/13/11	10/13/11	10/13/11	10/13/11	10/13/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd	nd	0.067	nd
Toluene	0.15	nd	nd	nd	0.12	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd
Ethylbenzene	0.10	nd	nd	nd	0.38	0.20
Total Xylenes	0.15	nd	nd	nd	1.86	0.98
Total Naphthalenes	0.15	nd	nd	nd	1.03	1.00
Gasoline	10	nd	nd	nd	81	104
Surrogate Recovery						
Dibromofluoromethane		76	66	71	71	74
1,2-Dichloroethane-d4		128	131	130	131	133
Toluene-d8		127	135	124	107	119
4-Bromofluorobenzene		78	79	80	72	77
"nd" Indicates not detected at listed detection limit.						
"int" Indicates that interference prevents determination.						

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111012-7

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	WA3-SW9 :8.5	
Date Sampled	Reporting	10/11/11
Date Analyzed	Limits	10/13/11
	(mg/kg)	(mg/kg)
Benzene	0.02	nd
Toluene	0.15	nd
Tetrachloroethene (PCE)	0.02	0.038
Ethylbenzene	0.10	nd
Total Xylenes	0.15	0.17
Total Naphthalenes	0.15	nd
Gasoline	10	25
Surrogate Recovery		
Dibromofluoromethane	81	
1,2-Dichloroethane-d4	124	
Toluene-d8	134	
4-Bromofluorobenzene	85	
"nd" Indicates not detected at listed detection limit.		
"int" Indicates that interference prevents determination.		

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111012-7

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Oil (mg/kg)
Method Blank	10/13/11	119	nd	nd	nd
WA3-EX1:9	10/13/11	121	nd	nd	nd
Practical Quantitation Limit			25	40	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111012-7

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Oil (mg/kg)
Method Blank	10/13/11	75	nd	nd	nd
WA3-SW1:4	10/13/11	99	nd	nd	nd
WA3-SW2:9	10/13/11	134	nd	nd	240
WA3-SW3:9.5	10/13/11	112	nd	nd	1010
WA3-B1:10.5	10/13/11	132	nd	nd	2520
WA3-B2:9.5	10/13/11	104	nd	nd	4660
WA3-SW4:9	10/13/11	124	nd	nd	490
WA3-SW5:8	10/13/11	111	nd	nd	530
WA3-SW5:8 Dup	10/13/11	109	nd	nd	340
WA3-SW6:5	10/13/11	117	nd	nd	3970
WA3-SW7:5	10/13/11	int	nd	nd	12800
WA3-SW8:5	10/13/11	int	nd	nd	96000
WA3-SW9:8.5	10/13/11	117	nd	nd	3360
WA3-B3:10.5	10/13/11	96	nd	nd	3680
WA3-Dup-1	10/13/11	106	nd	nd	540
Practical Quantitation Limit			25	40	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L111012-7

Analyses of PCB (Polychlorinated Biphenyls) in Soil by EPA Method 8082

Sample Description	PQL	Method Blank	LCS	WA3- EX1:9	WA3- EX1:9 Dup	WA3- EX1:9 MS
Date Extracted		N/A	10/11/11	10/11/11	10/11/11	10/11/11
Date Analyzed		10/12/11	10/12/11	10/12/11	10/12/11	10/12/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Aroclor 1016	0.02	nd	83%	nd	nd	94%
Aroclor 1221	0.02	nd		nd	nd	
Aroclor 1232	0.02	nd		nd	nd	
Aroclor 1242	0.02	nd		nd	nd	
Aroclor 1248	0.02	nd		nd	nd	
Aroclor 1254	0.02	nd		nd	nd	
Aroclor 1260	0.02	nd	108%	nd	nd	101%
Surrogate Recovery						
TCMX		94	82	108	106	103
DCBP		104	103	103	101	100

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Jamie Hart

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L111012-7

Analyses of PCB (Polychlorinated Biphenyls) in Soil by EPA Method 8082

Sample Description	PQL	Method Blank	LCS	WA3- B2:9.5	L11011-9 MS
Date Extracted		N/A	10/11/11	10/11/11	10/11/11
Date Analyzed		10/14/11	10/14/11	10/14/11	10/14/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Aroclor 1016	0.02	nd	80%	nd	90%
Aroclor 1221	0.02	nd		nd	
Aroclor 1232	0.02	nd		nd	
Aroclor 1242	0.02	nd		nd	
Aroclor 1248	0.02	nd		nd	
Aroclor 1254	0.02	nd		nd	
Aroclor 1260	0.02	nd	100%	nd	70%
Surrogate Recovery					
TCMX		125	115	91	104
DCBP		87	75	89	135

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Jamie Hart

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111012-7

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	10/14/11	nd
WA3-EX1:9	10/14/11	nd
WA3-EX1:9 Dup	10/14/11	nd
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111012-7

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (% Recovery)
LCS	10/14/11	105%
WA3-EX1:9 MS	10/14/11	int
WA3-EX1:9 MSD	10/14/11	int
RPD	10/14/11	int
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111012-7

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	10/16/11	nd
WA3-SW2:9	10/16/11	nd
WA3-SW3:9.5	10/16/11	nd
WA3-B1:10.5	10/16/11	6.27
WA3-SW5:8	10/16/11	nd
WA3-SW9:8.5	10/16/11	nd
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Dirk Peterson

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111012-7

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (% Recovery)
LCS	10/16/11	94%
L111011-5 MS	10/16/11	int
L111011-5 MSD	10/16/11	int
RPD	10/16/11	int
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Dirk Peterson

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111012-7

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	10/16/11	nd
WA3-B2:9.5	10/16/11	nd
WA3-B2:9.5 Dup	10/16/11	nd
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Dirk Peterson

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111012-7

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (% Recovery)
LCS	10/16/11	101%
L111011-5 MS	10/16/11	int
L111011-5 MSD	10/16/11	int
RPD	10/16/11	int
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Dirk Peterson



1311 N. 35th St.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Libby Environmental
Jaime Hart
4139 Libby Rd. NE
Olympia, Washington 98506

RE: Whitney's Chevrolet
Lab ID: 1110050

October 14, 2011

Attention Jaime Hart:

Fremont Analytical, Inc. received 1 sample(s) on 10/13/2011 for the analyses presented in the following report.

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

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



CLIENT: Libby Environmental
Project: Whitney's Chevrolet
Lab Order: 1110050

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1110050-001	WA3-EX1:9	10/11/2011 1:00 PM	10/13/2011 10:47 AM



CLIENT: Libby Environmental
Project: Whitney's Chevrolet

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are 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 PREP-PAH-S, Sample 1110050-001A: Clay matrix



Analytical Report

WO#: 1110050
Date Reported: 10/14/2011

Client: Libby Environmental

Collection Date: 10/11/2011 1:00:00 PM

Project: Whitney's Chevrolet

Lab ID: 1110050-001

Matrix: Soil

Client Sample ID: WA3-EX1:9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 1269

Analyst: PH

Benz(a)anthracene	ND	65.7		µg/Kg-dry	1	10/13/2011 3:23:00 PM
Chrysene	ND	65.7		µg/Kg-dry	1	10/13/2011 3:23:00 PM
Benzo(b)fluoranthene	ND	65.7		µg/Kg-dry	1	10/13/2011 3:23:00 PM
Benzo(k)fluoranthene	ND	65.7		µg/Kg-dry	1	10/13/2011 3:23:00 PM
Benzo(a)pyrene	ND	65.7		µg/Kg-dry	1	10/13/2011 3:23:00 PM
Indeno(1,2,3-cd)pyrene	ND	65.7		µg/Kg-dry	1	10/13/2011 3:23:00 PM
Dibenz(a,h)anthracene	ND	65.7		µg/Kg-dry	1	10/13/2011 3:23:00 PM
Surr: 2-Fluorobiphenyl	109	65-135		%REC	1	10/13/2011 3:23:00 PM
Surr: Terphenyl-d14 (surr)	104	65-135		%REC	1	10/13/2011 3:23:00 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



Date: 10/14/2011

Work Order: 1110050
 CLIENT: Libby Environmental
 Project: Whitney's Chevrolet

QC SUMMARY REPORT
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-1269	SampType: MBLK	Units: µg/Kg	Prep Date: 10/13/2011	RunNo: 2116							
Client ID: MBLKS	Batch ID: 1269		Analysis Date: 10/13/2011	SeqNo: 37498							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	50.0									
Chrysene	ND	50.0									
Benzo(b)fluoranthene	ND	50.0									
Benzo(k)fluoranthene	ND	50.0									
Benzo(a)pyrene	ND	50.0									
Indeno(1,2,3-cd)pyrene	ND	50.0									
Dibenz(a,h)anthracene	ND	50.0									
Surr: 2-Fluorobiphenyl	541		500.0		108	65	135				
Surr: Terphenyl-d14 (surr)	465		500.0		93.0	65	135				

Sample ID: LCS-1269	SampType: LCS	Units: µg/Kg	Prep Date: 10/13/2011	RunNo: 2116							
Client ID: LCSS	Batch ID: 1269		Analysis Date: 10/13/2011	SeqNo: 37499							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	528	50.0	500.0	0	106	65	135				
Pyrene	470	50.0	500.0	0	94.0	65	135				
Surr: 2-Fluorobiphenyl	539		500.0		108	65	135				
Surr: Terphenyl-d14 (surr)	475		500.0		95.1	65	135				

Sample ID: 1110049-001ADUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 10/13/2011	RunNo: 2116							
Client ID: BATCH	Batch ID: 1269		Analysis Date: 10/13/2011	SeqNo: 37503							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	51.9						0	0	30	
Chrysene	ND	51.9						0	0	30	
Benzo(b)fluoranthene	ND	51.9						0	0	30	

Qualifiers: D Dilution was required E Value above quantitation range H Holding times for preparation or analysis e
 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: 10/14/2011

Work Order: 1110050
 CLIENT: Libby Environmental
 Project: Whitney's Chevrolet

QC SUMMARY REPORT
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 1110049-001ADUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 10/13/2011	RunNo: 2116							
Client ID: BATCH	Batch ID: 1269		Analysis Date: 10/13/2011	SeqNo: 37503							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	ND	51.9						0	0	30	
Benzo(a)pyrene	ND	51.9						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	51.9						0	0	30	
Dibenz(a,h)anthracene	ND	51.9						0	0	30	
Surr: 2-Fluorobiphenyl	510		518.7		98.3	65	135		0		
Surr: Terphenyl-d14 (surr)	475		518.7		91.7	65	135		0	0	

Sample ID: 1110049-001AMS	SampType: MS	Units: µg/Kg-dry	Prep Date: 10/13/2011	RunNo: 2116							
Client ID: BATCH	Batch ID: 1269		Analysis Date: 10/13/2011	SeqNo: 37504							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	629	52.7	527.3	0	119	65	135				
Pyrene	582	52.7	527.3	0	110	65	135				
Surr: 2-Fluorobiphenyl	529		527.3		100	65	135				
Surr: Terphenyl-d14 (surr)	491		527.3		93.1	65	135				

Qualifiers: D Dilution was required E Value above quantitation range H Holding times for preparation or analysis e
 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: LIBBY	Work Order Number: 1110050
Logged by: Troy Zehr	Date Received: 10/13/2011 10:47:00 AM

Chain of Custody

1. Were custodial seals intact? Yes No Not Present
2. Is Chain of Custody complete? Yes No Not Present
3. How was the sample delivered? UPS

Log In

4. Coolers are present? Yes No NA
5. Was an attempt made to cool the samples? Yes No NA
6. Were all coolers received at a temperature of >0°C to 10.0°C Yes No NA
7. Sample(s) in proper container(s)? Yes No
8. Sufficient sample volume for indicated test(s)? Yes No
9. Are samples properly preserved? Yes No
10. Was preservative added to bottles? Yes No NA
11. Is there headspace present in VOA vials? Yes No No VOA Vials
12. Did all sample containers arrive in good condition?(unbroken) Yes No
13. Does paperwork match bottle labels? Yes No
14. Are matrices correctly identified on Chain of Custody? Yes No
15. Is it clear what analyses were requested? Yes No
16. Were all holding times able to be met? Yes No

Special Handling (if applicable)

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

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

18. Additional remarks/Discrepancies

Item Information

Item #	Temp °C	Condition
Cooler	5.8	Good

Libby Environmental, Inc.

Chain of Custody Record

110050

4139 Libby Road NE
Olympia, WA 98505

Ph: 360-352-2110
Fax: 360-352-4154

Date: 10-12-11

Page: 1 of 1

Client: Libby Environmental

Project Manager: Jamie Hart

Address: see above

Project Name: Whitney's Chevrolet

Phone: Fax:

Location: City: Montesano

Client Project #

Collector: Date of Collection: 10-11-11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes											Field Notes									
					VOA 802/B	VOA 802/B BTEX DmV	VOA 8260	SEM VGL 8270	NWTPH/PCID	NWTPH/PS	NWTPH/DX	NWTPH/DX EN	PAH 8270	PCB's 8082	VITCA 5 MMS		CPAH								
1 WAS EXL 9		BCC	S	Jar																					
2																									
3																									
4																									
5																									
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Relinquished by: <i>ED 2K</i>	Date / Time: 10-12-11	Received by: <i>Trang Zeko</i>	Date / Time: 10/13/11 10:47	Sample Receipt	Remarks: RWSH due Fri am 10-14-11	
Relinquished by:	Date / Time:	Received by:	Date / Time:			Good Condition?
						Cold?
						Seals Intact?
Relinquished by:	Date / Time:	Received by:	Date / Time:	Total Number of Containers:		



1311 N. 35th St.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Libby Environmental
Jaime Hart
4139 Libby Rd. NE
Olympia, Washington 98506

RE: Whitney's Chevrolet
Lab ID: 1110058

October 18, 2011

Attention Jaime Hart:

Fremont Analytical, Inc. received 2 sample(s) on 10/17/2011 for the analyses presented in the following report.

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

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



CLIENT: Libby Environmental
Project: Whitney's Chevrolet

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are 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#: 1110058

Date Reported: 10/18/2011

Client: Libby Environmental

Collection Date: 10/11/2011 2:42:00 PM

Project: Whitney's Chevrolet

Lab ID: 1110058-001

Matrix: Soil

Client Sample ID: WA3-B2:9.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 1283

Analyst: SG

Benz(a)anthracene	121	79.3		µg/Kg-dry	1	10/17/2011 5:30:00 PM
Chrysene	ND	79.3		µg/Kg-dry	1	10/17/2011 5:30:00 PM
Benzo(b)fluoranthene	ND	79.3		µg/Kg-dry	1	10/17/2011 5:30:00 PM
Benzo(k)fluoranthene	ND	79.3		µg/Kg-dry	1	10/17/2011 5:30:00 PM
Benzo(a)pyrene	ND	79.3		µg/Kg-dry	1	10/17/2011 5:30:00 PM
Indeno(1,2,3-cd)pyrene	ND	79.3		µg/Kg-dry	1	10/17/2011 5:30:00 PM
Dibenz(a,h)anthracene	ND	79.3		µg/Kg-dry	1	10/17/2011 5:30:00 PM
Surr: 2-Fluorobiphenyl	113	65-135		%REC	1	10/17/2011 5:30:00 PM
Surr: Terphenyl-d14 (surr)	107	65-135		%REC	1	10/17/2011 5:30:00 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



Date: 10/18/2011

Work Order: 1110058
 CLIENT: Libby Environmental
 Project: Whitney's Chevrolet

QC SUMMARY REPORT
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCS-1283	SampType: LCS	Units: µg/Kg	Prep Date: 10/17/2011	RunNo: 2138							
Client ID: LCSS	Batch ID: 1283		Analysis Date: 10/17/2011	SeqNo: 37719							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	563	50.0	500.0	0	113	65	135				
Pyrene	659	50.0	500.0	0	132	65	135				
Surr: 2-Fluorobiphenyl	556		500.0		111	65	135				
Surr: Terphenyl-d14 (surr)	567		500.0		113	65	135				

Sample ID: MB-1283	SampType: MBLK	Units: µg/Kg	Prep Date: 10/17/2011	RunNo: 2138							
Client ID: MBLKS	Batch ID: 1283		Analysis Date: 10/17/2011	SeqNo: 37720							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	50.0									
Chrysene	ND	50.0									
Benzo(b)fluoranthene	ND	50.0									
Benzo(k)fluoranthene	ND	50.0									
Benzo(a)pyrene	ND	50.0									
Indeno(1,2,3-cd)pyrene	ND	50.0									
Dibenz(a,h)anthracene	ND	50.0									
Surr: 2-Fluorobiphenyl	541		500.0		108	65	135				
Surr: Terphenyl-d14 (surr)	474		500.0		94.7	65	135				

Sample ID: 1110058-001ADUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 10/17/2011	RunNo: 2138							
Client ID: WA3-B2:9.5	Batch ID: 1283		Analysis Date: 10/17/2011	SeqNo: 37727							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	103	78.8						120.9	16.1	30	
Chrysene	ND	78.8						0	0	30	
Benzo(b)fluoranthene	ND	78.8						0	0	30	

Qualifiers:

D	Dilution was required	E	Value above quantitation range	H	Holding times for preparation or analysis e
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: 10/18/2011

Work Order: 1110058
 CLIENT: Libby Environmental
 Project: Whitney's Chevrolet

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 1110058-001ADUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 10/17/2011	RunNo: 2138							
Client ID: WA3-B2:9.5	Batch ID: 1283		Analysis Date: 10/17/2011	SeqNo: 37727							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	ND	78.8						0	0	30	
Benzo(a)pyrene	ND	78.8						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	78.8						0	0	30	
Dibenz(a,h)anthracene	ND	78.8						0	0	30	
Surr: 2-Fluorobiphenyl	921		788.1		117	65	135		0		
Surr: Terphenyl-d14 (surr)	845		788.1		107	65	135		0		

Sample ID: 1110058-001AMS	SampType: MS	Units: µg/Kg-dry	Prep Date: 10/17/2011	RunNo: 2138							
Client ID: WA3-B2:9.5	Batch ID: 1283		Analysis Date: 10/17/2011	SeqNo: 37728							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1,010	76.0	759.6	42.21	128	65	135				
Pyrene	1,210	76.0	759.6	232.9	128	65	135				
Surr: 2-Fluorobiphenyl	919		759.6		121	65	135				
Surr: Terphenyl-d14 (surr)	828		759.6		109	65	135				

Sample ID: 1110058-001AMSD	SampType: MSD	Units: µg/Kg-dry	Prep Date: 10/17/2011	RunNo: 2138							
Client ID: WA3-B2:9.5	Batch ID: 1283		Analysis Date: 10/17/2011	SeqNo: 37729							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1,090	79.3	793.0	42.21	133	65	135	1,013	7.73	30	
Pyrene	1,240	79.3	793.0	232.9	127	65	135	1,208	2.81	30	
Surr: 2-Fluorobiphenyl	991		793.0		125	65	135		0		
Surr: Terphenyl-d14 (surr)	897		793.0		113	65	135		0		

Qualifiers: D Dilution was required E Value above quantitation range H Holding times for preparation or analysis e
 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: LIBBY	Work Order Number: 1110058
Logged by: Troy Zehr	Date Received: 10/17/2011 9:00:00 AM

Chain of Custody

1. Were custodial seals intact? Yes No Not Present
2. Is Chain of Custody complete? Yes No Not Present
3. How was the sample delivered? UPS

Log In

4. Coolers are present? Yes No NA
5. Was an attempt made to cool the samples? Yes No NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes No NA
7. Sample(s) in proper container(s)? Yes No
8. Sufficient sample volume for indicated test(s)? Yes No
9. Are samples properly preserved? Yes No
10. Was preservative added to bottles? Yes No NA
11. Is there headspace present in VOA vials? Yes No No VOA Vials
12. Did all sample containers arrive in good condition?(unbroken) Yes No
13. Does paperwork match bottle labels? Yes No
14. Are matrices correctly identified on Chain of Custody? Yes No
15. Is it clear what analyses were requested? Yes No
16. Were all holding times able to be met? Yes No

Special Handling (if applicable)

17. 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"/>		

18. Additional remarks/Discrepancies

Item Information

Item #	Temp °C	Condition
Cooler	5.5	Good

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 10/11/11 Page: 1 of 1

Client: Environmental Partners Inc.

Project Manager: Glean Hayman

Address: 295 NE Gilman Blvd

Project Name: Lvh. Tneye

Phone: 425-281-3629 Fax:

Location: Montesaad City:

Client Project # 51201.8

Collector: E. Caddey Date of Collection: 10/11/11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes											Field Notes			
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260 - PCE only	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals	Total Naphthalene		Total Lead		
1 WAZ-SW1:4		09:25	S	4oz	X				X	X	X								
2 WAZ-EX1:9		13:00	S	↓	X	X			X	X	X	X	X	X	X	X		(Rush 48hr) except lead	
3 WAZ-SW2:9		13:40	S		X	X			X	X	X				X	X			
4 WAZ-SW3:9.5		13:56	S		X	X			X	X	X				X	X			
5 WAZ-R1:10.5		13:44	S		X	X			X	X	X				X	X			
6 WAZ-B2:9.5		14:42	S		X	X			X	X	X	X	X	X	X	X		Rush except for lead	
7 WAZ-SW4:9		14:46	S		X				X	X	X								
8 WAZ-SW5:8		14:50	S		X	X			X	X	X				X	X			
9 WAZ-SW6:5		14:55	S		X				X	X	X								
10 WAZ-SW7:5		15:11	S		X				X	X	X								
11 WAZ-SW8:5		16:03	S		X				X	X	X								
12 WAZ-SW9:8.5		16:50	S		X	X			X	X	X				X	X			
13 WAZ-R3:10.5		16:42	S		X				X	X	X								
14 WAZ-Dup-1		-	S		"	X			X	X	X								
15																			
16																			
17																			
18																			

Relinquished by: <i>[Signature]</i>	Date / Time: 10/12/11 13:30	Received by: <i>[Signature]</i>	Date / Time: 10-12-11 13:30	Sample Receipt:	Remarks: Please save 4 oz jar portion of sample - Standard turn except WAZ EX1:9 - 48hr Rush
Relinquished by:	Date / Time:	Received by:	Date / Time:	Good Condition?	
Relinquished by:	Date / Time:	Received by:	Date / Time:	Cold?	
Relinquished by:	Date / Time:	Received by:	Date / Time:	Seals Intact?	
				Total Number of Containers:	

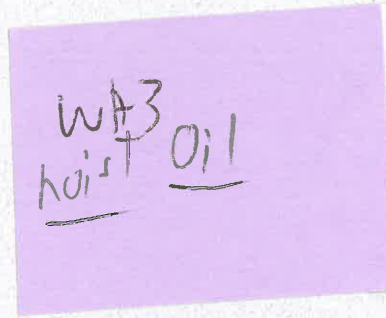


Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 24, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027



Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. A product sample was analyzed for PCB (Polychlorinated Biphenyls) by EPA Method 8082 and Volatile Organic Compounds by EPA Method 8260C on October 16 & 18, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L111012-8

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN PRODUCT

Sample Description	Method	WA3	
		Blank	Hoist Oil
Date Sampled	Reporting	N/A	10/10/11
Date Analyzed	Limits	10/16/11	10/16/11
	(mg/L)	(mg/L)	(mg/L)
Dichlorodifluoromethane	0.06	nd	nd
Chloromethane	0.06	nd	nd
Vinyl chloride	0.02	nd	nd
Bromomethane	0.09	nd	nd
Chloroethane	0.06	nd	nd
Trichlorofluoromethane	0.05	nd	nd
1,1-Dichloroethene	0.05	nd	nd
Methylene chloride	0.02	nd	nd
Methyl <i>tert</i> - Butyl Ether (MTBE)	0.02	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd
1,1-Dichloroethane	0.02	nd	nd
2,2-Dichloropropane	0.05	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd
Chloroform	0.02	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd
Carbon tetrachloride	0.02	nd	nd
1,1-Dichloropropene	0.02	nd	nd
Benzene	0.02	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd
Trichloroethene (TCE)	0.03	nd	nd
1,2-Dichloropropane	0.02	nd	nd
Dibromomethane	0.04	nd	nd
Bromodichloromethane	0.02	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd
Toluene	0.02	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd
1,3-Dichloropropane	0.05	nd	nd
Dibromochloromethane	0.03	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd
Chlorobenzene	0.02	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd
Ethylbenzene	0.03	nd	nd
Total Xylenes	0.03	nd	nd
Styrenes	0.02	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L111012-8

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN PRODUCT

Sample Description	Method	WA3	
		Blank	Hoist Oil
Date Sampled	Reporting	N/A	10/10/11
Date Analyzed	Limits	10/16/11	10/16/11
	(mg/L)	(mg/L)	(mg/L)
Bromoform	0.02	nd	nd
Isopropylbenzene	0.08	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd
Bromobenzene	0.03	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd
n-Propylbenzene	0.02	nd	nd
2-Chlorotoluene	0.02	nd	nd
4-Chlorotoluene	0.02	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd
tert-Butylbenzene	0.02	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd
sec-Butylbenzene	0.02	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd
Isopropyltoluene	0.02	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd
n-Butylbenzene	0.02	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd
Naphthalene	0.03	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd
Surrogate Recovery			
Dibromofluoromethane		98	71
1,2-Dichloroethane-d4		112	116
Toluene-d8		133	108
4-Bromofluorobenzene		80	86

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111012-8

QA/QC Data - EPA 8260C Analyses

Laboratory Control Sample			
	Spiked Conc. (mg/L)	Measured Conc. (mg/L)	Spike Recovery (%)
1,1-Dichloroethene	0.5	0.56	112
Benzene	0.5	0.49	98
Toluene	0.5	0.51	102
Chlorobenzene	0.5	0.62	124
Trichloroethene (TCE)	0.5	0.49	98

Surrogate Recovery			
Dibromofluoromethane			85
1,2-Dichloroethane-d4			124
Toluene-d8			135
4-Bromofluorobenzene			80

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project #51201.8
 Libby Env.Project No.L111012-8

Analyses of PCB (Polychlorinated Biphenyls) in Product by EPA Method 8082

Sample Description	Method PQL	Blank	LCS	WA3 Hoist Oil	WA3 Dup Hoist Oil	WA3 MS Hoist Oil
Date Sampled		N/A	N/A	10/10/11	10/10/11	10/10/11
Date Analyzed		10/18/11	10/18/11	10/18/11	10/18/11	10/18/11
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Aroclor 1016	0.02	nd	115%	nd	nd	95%
Aroclor 1221	0.02	nd		nd	nd	
Aroclor 1232	0.02	nd		nd	nd	
Aroclor 1242	0.02	nd		nd	nd	
Aroclor 1248	0.02	nd		nd	nd	
Aroclor 1254	0.02	nd		nd	nd	
Aroclor 1260	0.02	nd	102%	nd	nd	95%
Surrogate Recovery						
TCMX		91	105	96	96	110
DCBP		113	111	106	102	105

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Jamie Hart

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 10/12/11 Page: 1 of 1

Client: Environmental Partners, Inc.

Project Manager: Glenn Hayman

Address: 295 NE Gilman Blvd, Ste 201, Issaquah

Project Name: Whitney's

Phone: 425-251-3629 Fax:

Location: Montesano City:

Client Project # 51201.8

Collector: E. Caddy Date of Collection: 10/10/11



Sample Number	Depth	Time	Sample Type	Container Type	Analytical Parameters											Field Notes	
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals	8200-HVOCs		
1	WAZ-Horiz Oil	12:59	oil	4oz										X	X		hydraulic oil/fluid
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	

Relinquished by: <i>[Signature]</i>	Date / Time: 10/12/11 13:30	Received by: <i>[Signature]</i>	Date / Time: 10-12-11 13:30	Sample Receipt: Good Condition? Cold? Seals Intact? Total Number of Containers	Remarks: 5 day Turn
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		

Distribution: White - Lab, Yellow - File, Pink - Originator

Appendix 13
Waste Manifest for Transite Sewer Pipe



PLEASE PRINT OR TYPE! If you have questions, contact your local DEQ Regional Office in Portland at (503) 229-5364, Salem at (503) 378-8240 ext. 272, Medford at (541) 776-6010 ext. 235, or Bend at (541) 388-6146 ext. 226, OR call (800) 452-4011 for the location of your local regional DEQ office.

WASTE GENERATOR: (Contractor, Facility, or Operator)

- 1. Asbestos removal site name and address: Stormy Click - Whitney's Chevrolet
123 W Pioneer Ave, Montesano, WA, Grays Harbor, 98563
Contact person: Eric Caddey, Phone: 1360-249-4431
2. Operator's name and address: American Environmental Construction LLC, Phone: 206-267-0746
7417 - 4th Avenue South, Seattle, WA, King, 98108
3. Waste disposal site: Northern Wasco County Landfill, Phone: 541-993-0089
2550 Steel Road, The Dalles, OR, Wasco, 97058
4. Describe asbestos materials: Transit Pipe
5. Containers: Number: 1 6' Length, Type:
6. Total quantity (cubic yards):

7. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.
Name: Linda Lightfoot, Company: American Environmental Construction LLC
Signature: Linda Lightfoot, Date: 9/21/11

TRANSPORTER(S):

- 8. Transporter #1: (Acknowledgment of receipt of materials)
Agent: Company: D&B Trucking
Address: 1905 East Lincoln Ave., Tacoma, WA 98421, Phone: 253-383-3860
Signature: Date:
9. Transporter #2: (Acknowledgment of receipt of materials)
Agent: Driver, Company: NTSI / D&B Trucking
Address: 1905 East Lincoln Ave., Tacoma, WA 98421, Phone: 253-383-3860
Signature: Date:

DISPOSAL: (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

- 10. Waste Disposal Site: Northern Wasco County Landfill
Name and Title: Date:
Signature: Phone:

11. DISCREPANCY SPACE: (Add attachments as needed)

Appendix 14
Laboratory Analytical Reports for Work Area 4



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

October 25, 2011

Glenn Hayman
Environmental Partners, Inc.
295 NE Gilman Boulevard
Suite 201
Issaquah, WA 98027

Dear Mr. Hayman:

Please find enclosed the analytical data report for the Whitney's Chevrolet Project located in Montesano, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx, BTEX and PCE by EPA Method 8260C, Diesel & Oil by NWTPH-Dx/Dx Extended and Lead by EPA Method 7421 on October 18 & 23, 2011.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. All soil samples are reported on a dry weight basis. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Jamie L. Hart
President
Libby Environmental, Inc.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L111017-4

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description	Method	WA4-SW2	WA4-SW3	WA4-SW4	WA4-SW5	WA4-SP-1	
	Blank	:6.5	:6.5	:7	:4		
Date Sampled	Reporting	N/A	10/17/11	10/17/11	10/17/11	10/17/11	
Date Analyzed	Limits	10/18/11	10/18/11	10/18/11	10/18/11	10/18/11	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Benzene	0.02	nd	nd	nd	nd	nd	
Toluene	0.03	nd	nd	nd	nd	nd	
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	
Ethylbenzene	0.03	nd	nd	nd	nd	nd	
Total Xylenes	0.03	nd	nd	nd	nd	nd	
Gasoline	10	nd	nd	nd	nd	nd	
Surrogate Recovery							
Dibromofluoromethane		79	78	70	73	84	90
1,2-Dichloroethane-d4		129	132	109	125	125	133
Toluene-d8		128	124	123	120	119	128
4-Bromofluorobenzene		75	78	77	77	76	74

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
 Montesano, Washington
 Environmental Partners, Inc.
 Client Project # 51201.8
 Libby Project No. L111017-4

QA/QC Data - EPA 8260C Analyses

Sample Identification: WA4-SW2:6.5						
	Matrix Spike			Matrix Spike Duplicate		
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.46	92	0.50	0.41	82
Toluene	0.50	0.39	78	0.50	0.42	84

Surrogate Recovery						
Dibromofluoromethane			78			88
1,2-Dichloroethane-d4			115			132
Toluene-d8			126			121
4-Bromofluorobenzene			76			75.00

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.35	70
Toluene	0.50	0.38	76

Surrogate Recovery			
Dibromofluoromethane			81
1,2-Dichloroethane-d4			133
Toluene-d8			123
4-Bromofluorobenzene			75

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111017-4

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		WA4-SW1 :6.5	WA4-B1 :8
Date Sampled	Reporting	10/17/11	10/17/11
Date Analyzed	Limits	10/18/11	10/18/11
	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd
Toluene	0.03	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd
Ethylbenzene	0.03	nd	nd
Total Xylenes	0.03	nd	nd
Naphthalenes	0.03	nd	nd
Gasoline	10	nd	nd
Surrogate Recovery			
Dibromofluoromethane		69	71
1,2-Dichloroethane-d4		84	118
Toluene-d8		121	129
4-Bromofluorobenzene		70	79

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L111017-4

VOLATILE AROMATIC COMPOUNDS BY EPA METHOD 8260C & GASOLINE BY NWTPH-GX IN SOIL

Sample Description		WA4-Dup	WA4-SP-2	WA4-SP-3
		-1		
Date Sampled	Reporting	10/17/11	10/17/11	10/17/11
Date Analyzed	Limits	10/18/11	10/18/11	10/18/11
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Benzene	0.02	nd	nd	nd
Toluene	0.03	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd
Total Xylenes	0.03	nd	nd	nd
Gasoline	10	nd	nd	nd
Surrogate Recovery				
Dibromofluoromethane		72	70	86
1,2-Dichloroethane-d4		122	96	133
Toluene-d8		120	118	113
4-Bromofluorobenzene		79	73	80
"nd" Indicates not detected at listed detection limit.				
"int" Indicates that interference prevents determination.				

ACCEPTABLE RECOVERY LIMITS FOR SURROGATES: 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT

Montesano, Washington

Environmental Partners, Inc.

Client Project # 51201.8

Libby Project No. L111017-4

Analyses of Diesel and Oil (NWTPH-Dx Extended)

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Oil (mg/kg)
Method Blank	10/18/11	99	nd	nd	nd
WA4-SW1:6.5	10/18/11	72	nd	nd	nd
WA4-SW2:6.5	10/18/11	72	nd	nd	nd
WA4-SW3:6.5	10/18/11	95	nd	nd	nd
WA4-SW4:7	10/18/11	95	nd	nd	nd
WA4-SW5:4	10/18/11	80	nd	nd	nd
WA4-B1:8	10/18/11	80	nd	nd	nd
WA4-Dup-1	10/18/11	79	nd	nd	nd
WA4-SP-1	10/18/11	75	nd	nd	nd
WA4-SP-2	10/18/11	79	nd	nd	nd
WA4-SP-3	10/18/11	72	nd	nd	nd
Practical Quantitation Limit			25	40	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111017-4

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	10/23/11	nd
WA4-SW1:6.5	10/23/11	21
WA4-B1:8	10/23/11	nd
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Dirk Peterson

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WHITNEY'S CHEVROLET PROJECT
Montesano, Washington
Environmental Partners, Inc.
Client Project # 51201.8
Libby Project No. L111017-4

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (% Recovery)
LCS	10/23/11	97%
L111021 MS	10/23/11	int
L111021 MSD	10/23/11	int
RPD	10/23/11	N/A
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Dirk Peterson

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 10/17/11 Page: 1 of 1

Client: Environmental Partners, Inc

Project Manager: Gloria Hayman

Address:

Project Name: Whitney's

Phone: 425-281-3629 Fax:

Location: Montesano City:

Client Project # 51201.8

Collector: Eric Caskley Date of Collection: 10/17/11



Sample Number	Depth	Time	Sample Type	Container Type	Analytes											Field Notes		
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL	PCE only	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals		Total Lead	Total Nonhthalenics
1 W44-SW1:6.5		12:24	Soil	Voa 402	X	X			X	X						X	X	-24 hr rush except lead and Naph
2 W44-SW2:6.5		12:30			X	X			X	X								
3 W44-SW3:6.5		12:34			X	X			X	X								
4 W44-SW4:7		12:37			X	X			X	X								
5 W44-SW5:4		12:44			X	X			X	X								
6 W44-B1:8		12:50			X	X			X	X			X	X				
7 W44-Duo-1		-			X				X	X								
8 W44-SP-1		13:38			X	X			X	X								
9 W44-SP-2		12:44			X				X	X								
10 W44-SP-3		12:50			X				X	X								
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		

Relinquished by: <u>[Signature]</u>	Date / Time: <u>10/17/11 15:10</u>	Received by: <u>[Signature]</u>	Date / Time: <u>10-17-11</u>	Sample Receipt	Remarks:	
Relinquished by:	Date / Time:	Received by:	Date / Time:			Good Condition?
Relinquished by:	Date / Time:	Received by:	Date / Time:			Cold?
Relinquished by:	Date / Time:	Received by:	Date / Time:			Seals Intact?
				Total Number of Containers		

Appendix 15
PCS Disposal Documentation

**BILL OF LADING
CONTAMINATED SOIL**

REGIONAL DISPOSAL COMPANY

54 S. Dawson Street
Seattle, WA 98134

Telephone: (206) 332-7700 / Fax: (206) 332-7600

This Bill of Lading augments the Master Service Agreement ("Agreement") entered into by Environmental Partners ("Generator/Agent") and Regional Disposal Company ("RDC") on 9/6/11 (date). The terms herein are made a part of the Agreement. In the event of conflict between this Bill of Lading and the Agreement, the terms of the Agreement prevail.

RDC hereby authorizes the Wastes ("Waste") described in Certification No. LW-11333, signed by Generator/Agent on 9/6/11 (date), for disposal at Roosevelt Regional Landfill. Generator/Agent shall present a copy of this Bill of Lading with each shipment delivered.

Location of Waste: 123 W. Pioneer Ave., Montesano

Method of Shipment: Customer haul - Harlow

Additional Fees (e.g., laboratory fees, transportation fees, special handling fees, etc. If none, so state):

PERFORMANCE DATE

FOR RDC TRANSPORTATION: Generator/Agent shall make the Waste available for shipment no later than _____ (date). RDC shall transport the Waste no later than _____ (date), unless RDC notifies the Generator/Agent in writing that Waste transport shall be suspended or canceled due to RDC's exercise of its right to inspect or analyze the Waste (as provided in the Agreement).

GENERATOR/AGENT TRANSPORTATION: Generator/Agent shall begin delivery of the Waste at [check one]:

- Roosevelt Regional Landfill. Seattle Transfer Station located at Third and Lander.

Waste delivery shall begin no later than 9/7/11 (date), and shall complete delivery of the Waste no later than 12/31/11 (date), unless RDC notifies Generator/Agent in writing to suspend or cancel the waste delivery due to RDC's exercise of its right to inspect or analyze the Waste (As provided in the Agreement).

GENERATOR/AGENT

REGIONAL DISPOSAL COMPANY

Thomas C. Meri
Signature

Leslie Whiteman
Signature

THOMAS C. MERI, CONSULTANT TO
WHITNEY CHEVROLET
Printed Name and Title

Leslie Whiteman
Printed Name and Title

9/7/11
Date

9/6/11
Date

ALL TRUCKS MUST HAVE A COPY OF THIS BILL OF LADING WHEN DELIVERING WASTE TO THE TRANSFER STATION OR TO THE LANDFILL.



Republic Services, Inc.

18500 N. Allied Way, Phoenix, AZ 85054

LW-11333

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile # 41781113969	Expiration Date 8/31/2012
I. Decision Request: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Recertification <input type="checkbox"/> Change	
Disposal Facility: 4178 - Roosevelt Regional MSW L/F	
Generator Name: Whitney's Chevrolet	
Generator Site Address: 123 W. Pioneer Ave	
City: Montesano	County: _____ State: WA Zip: _____
Name of Waste: Diesel Fuel & Unleaded Gas Cont. Media & Debris	
Estimated Annual Volume: 1,500 Tons	

II. Special Waste Department Decision: Approved Rejected

Management Method(s): Landfill Solidification Bioremediation Transfer Facility

Problematic Special Waste according to Republic? Yes No

If yes, which one? _____

Approved by Special Waste Review Committee? Yes No Not Applicable

Precautions, Conditions or Limitations on Approval

This waste must meet the requirements of 40 CFR 281.4(b)(10) - UST Corrective Action.

Special Waste Analyst Signature: 

Date: 9/8/2011

Name (Printed): KEITH DIAMANTI

III. Facility Decision: Approved Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____

Date: 9/8/2011

Name (Printed): _____



REPUBLIC SERVICES

EXPRESS WASTE PROFILE

Requested Disposal Facility: 4176 Roosevelt Regional MSW LF WA

Waste Profile #

Save this bill as form. Restricted printing until all required fields are completed.

I. Generator Information

Sales Rep #.

Generator Name: Whitney's Chevrolet			
Generator Site Address: 123 W. Pioneer Avenue			
City: Montesano	County: Grays Harbor	State: Washington	Zip: 98563
State ID/Reg No: 36813164	State Approval/Waste Code: NA (if applicable)		NAICS #.
Generator Mailing Address (if different): 123 W. Pioneer Avenue			
City: Montesano	County: Grays Harbor	State: Washington	Zip: 98563
Generator Contact Name: Stormy Glick		Email: sglick@yahoo.com	
Phone Number: 360-249-4431	Ext:	Fax Number: 360-249-6629	

IIa. Transporter Information

Transporter Name: Harlow Trucking		Contact Name: Rick Tripp	
Transporter Address: 3123 106th St. S.			
City: Lakewood	County: Pierce	State: WA	Zip: 98499
Phone: (253) 588-4705	Fax: (253) 588-4710	State Transportation Number: 1194010 cc 62264	

IIb. Billing Information

Bill To: Environmental Partners, Inc.		Contact Name: Tom Elsmore	
Billing Address: 295 NE Gilman Blvd., Ste 201		Email: tome@epi-wa.com	
City: Issaquah	State: WA	Zip: 98027	Phone: (425) 395-0010

III. Waste Stream Information

Name of Waste: (Petroleum products-applies only to contaminated media and debris)	<input checked="" type="checkbox"/> Diesel Fuel	<input type="checkbox"/> Weathered Wood	<input type="checkbox"/> Friable Asbestos
	<input type="checkbox"/> Home Heating Fuel #1-6	<input type="checkbox"/> RCRA Empty Containers	<input type="checkbox"/> Non Friable Asbestos
	<input type="checkbox"/> Kerosene	<input type="checkbox"/> Treated Medical Waste	<input type="checkbox"/> Cured Asphalt
	<input type="checkbox"/> Aviation Fuel	<input type="checkbox"/> Animal Carcass	<input type="checkbox"/> Tires
	<input type="checkbox"/> Hydraulic Fluid	<input type="checkbox"/> Plant Trash	<input type="checkbox"/> Food Products (Including Animal Food)
	<input checked="" type="checkbox"/> Unleaded Gasoline (UST Corrective Action)	<input type="checkbox"/> Meth Contaminated Debris	
Process Generating Waste: Leaking underground storage tanks			
Method of Shipment: <input checked="" type="checkbox"/> BULK <input type="checkbox"/> DRUM <input type="checkbox"/> BAGGED <input type="checkbox"/> OTHER:			
Estimated Annual Volume: 1,500 Tons			
Frequency: <input checked="" type="checkbox"/> ONE TIME <input type="checkbox"/> ANNUAL			

IV. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true and accurate description of the waste material being offered for disposal. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services, Inc.

Authorized Representative Name/Title/Title or Print <i>Stormy Glick</i> Authorized Representative Signature	Whitney's Chevrolet Company Name 8-31-2011 Date
---	--

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003

Environmental Partners

123 W Pioneer Ave, Montesano

Issaquah, WA 99301

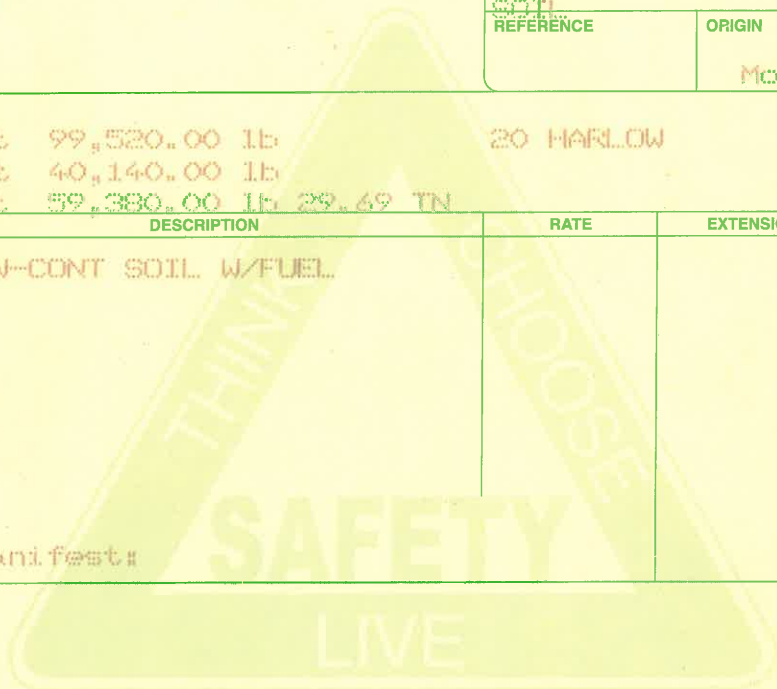
Contract: LW-11333

SITE 01	TICKET 448048	GRID
SCALE OPERATOR TC00091 TIARA C		
DATE IN 12 September 2011		TIME IN 10:51 am
DATE OUT 12 September 2011		TIME OUT 11:05 am
VEHICLE SPTL		ROLL OFF
REFERENCE	ORIGIN Montesano	

00 Gross Weight 99,520.00 lb 20 HARLOW
Tare Weight 40,140.00 lb
Net Weight 59,380.00 lb 29.69 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.69	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

3RD AND LANDER
3RD AND LANDER

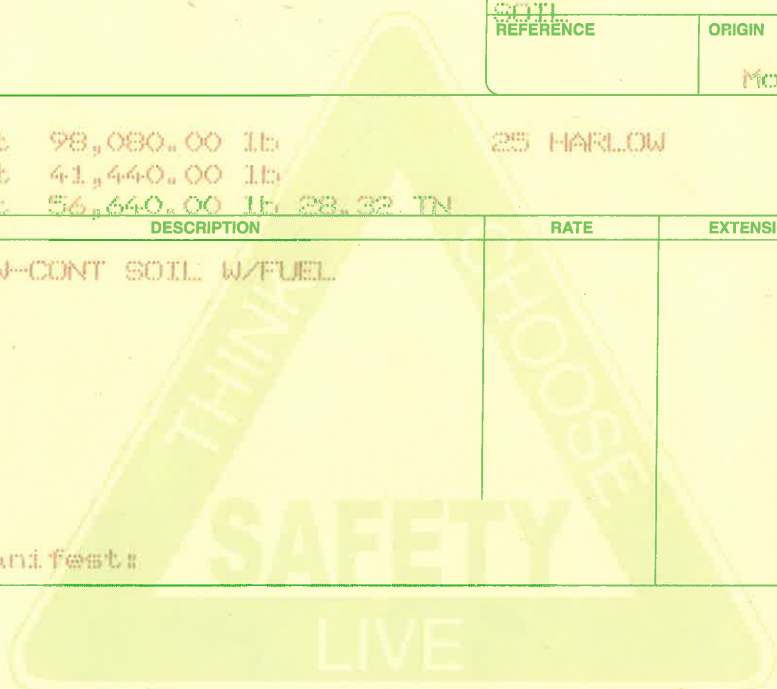
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave., Montesano
Issaquah, WA 99301
Contract: LW-11333

SITE	TICKET	GRID
01	448059	
SCALE OPERATOR		
TC00091 TIARA C		
DATE IN	TIME IN	
12 September 2011	10:59 am	
DATE OUT	TIME OUT	
12 September 2011	11:15 am	
VEHICLE	ROLL OFF	
SOIL REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 98,080.00 lb 25 HARLOW
Tare Weight 41,440.00 lb
Net Weight 56,640.00 lb 28.32 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.32	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003

Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA 99301
Contract: LW-11333

SITE 01	TICKET 448227	GRID
SCALE OPERATOR TC00091 TIARA C		
DATE IN 12 September 2011	TIME IN 3:24 pm	
DATE OUT 12 September 2011	TIME OUT 3:36 pm	
VEHICLE SOIL	ROLL OFF	
REFERENCE	ORIGIN Montesano	

00 Gross Weight 95,020.00 lb 20 HARLOW
Tare Weight 39,980.00 lb
Net Weight 55,040.00 lb 27.52 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
27.52	TN	SW-CONT SOIL W/FUEL				
		Manifest:				



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

3RD AND LANDER
3RD AND LANDER

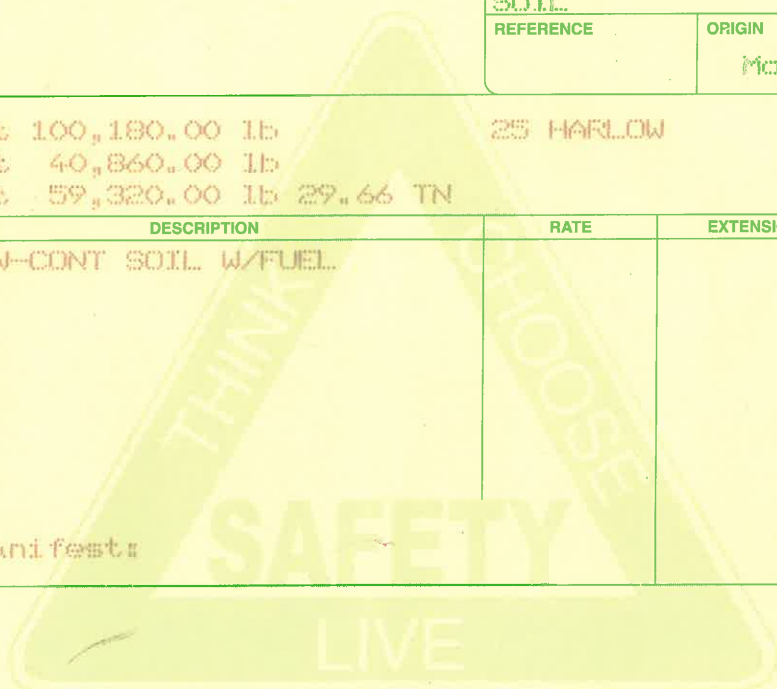
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA 99301
Contract: LW-11333

SITE 01	TICKET 448228	GRID
SCALE OPERATOR TC00091 TIARA C		
DATE IN 12 September 2011	TIME IN 3:25 pm	
DATE OUT 12 September 2011	TIME OUT 3:41 pm	
VEHICLE SOIL	ROLL OFF	
REFERENCE	ORIGIN Montesano	

00 Gross Weight 100,180.00 lb 25 HARLOW
Tare Weight 40,860.00 lb
Net Weight 59,320.00 lb 29.66 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.66	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA 98027
Contract: LW-11333

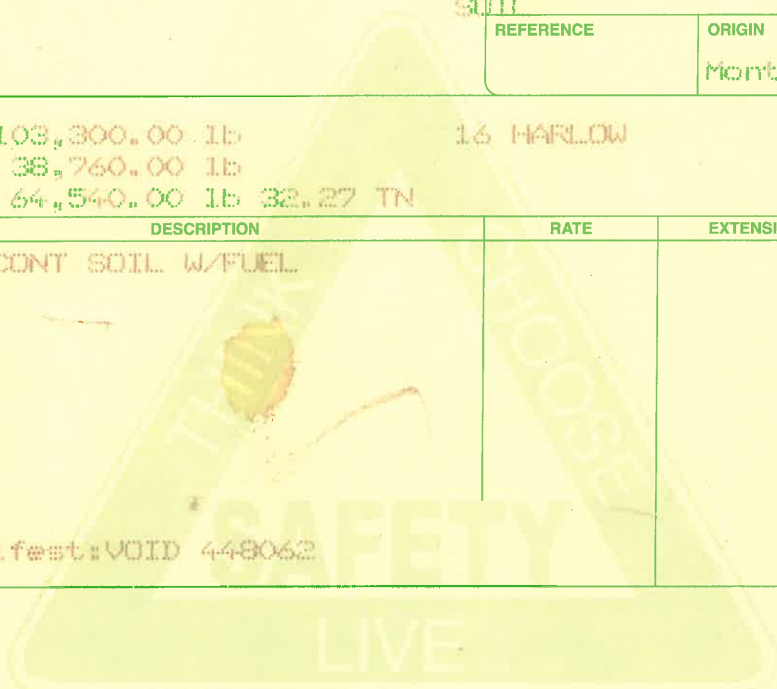
SITE	TICKET	GRID
03	448254	
SCALE OPERATOR		
LESLIE U		
DATE IN	TIME IN	
12 September 2011	11:03 am	
DATE OUT	TIME OUT	
12 September 2011	4:37 pm	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 103,300.00 lb 16 HARLOW
Tare Weight 38,760.00 lb
Net Weight 64,540.00 lb 32.27 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
32.27	TN	SW-CONT SOIL W/FUEL				

Manifest: VOID 448062

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SAFETY MEMOS:

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

OH

SIGNATURE _____

BRD AND LANDER
BRD AND LANDER

SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract#: LW-11333

SITE 01	TICKET 448256	GRID
SCALE OPERATOR LESLIE U		
DATE IN 12 September 2011	TIME IN 4:36 pm	
DATE OUT 12 September 2011	TIME OUT 4:45 pm	
VEHICLE SOIL	ROLL OFF	
REFERENCE	ORIGIN Montesano	

00 Gross Weight 99,460.00 lb 16 HARLOW
Tare Weight 40,820.00 lb
Net Weight 58,640.00 lb 29.32 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.32	TN	SW-CONT SOIL W/FUEL				
		Manifest#				



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

OK

SIGNATURE _____

3RD AND LANDER
3RD AND LANDER

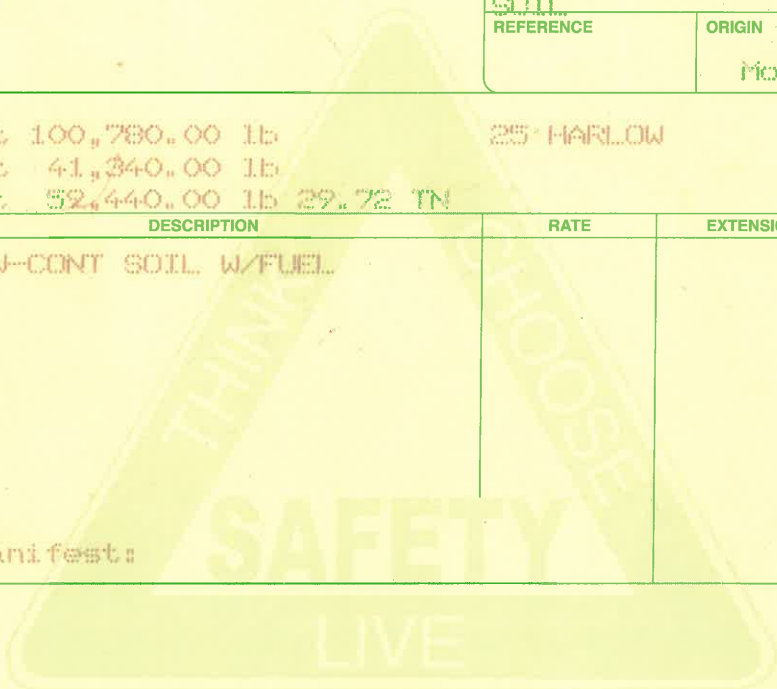
SEATTLE, WA :
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE	TICKET	GRID
01	448410	
SCALE OPERATOR		
TC00091 TIARA C		
DATE IN	TIME IN	
13 September 2011	10:21 am	
DATE OUT	TIME OUT	
13 September 2011	10:31 am	
VEHICLE	ROLL OFF	
SOIL REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 100,780.00 lb 25 HARLOW
Tare Weight 41,340.00 lb
Net Weight 52,440.00 lb 29.72 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.72	TN	SW-CONT SOIL W/FUEL				
Manifest:						

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SAFETY MEMOS:

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

SIGNATURE Tau

3RD AND LANDER
3RD AND LANDER

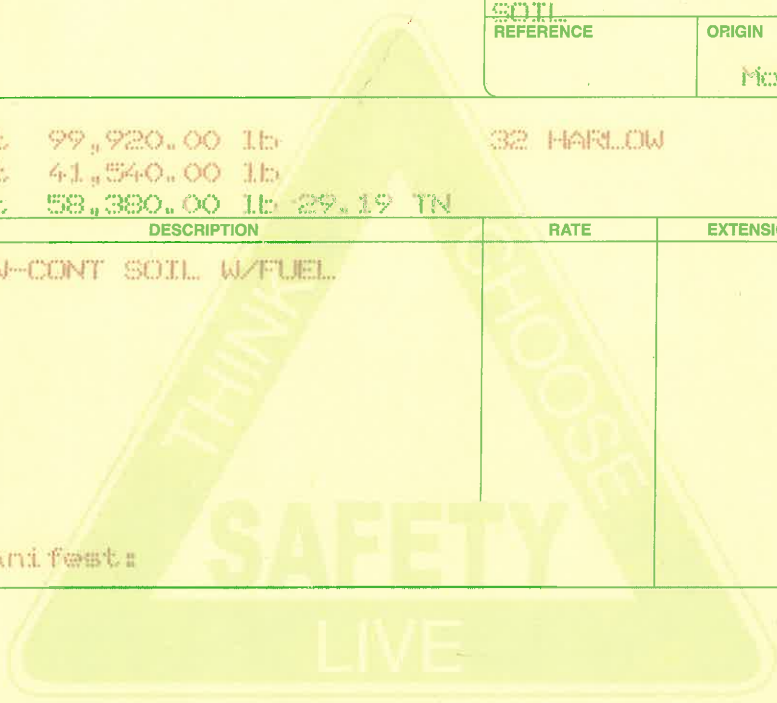
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE	TICKET	GRID
01	448427	
SCALE OPERATOR		
TC00091 TIARA C		
DATE IN	TIME IN	
13 September 2011	10:23 am	
DATE OUT	TIME OUT	
13 September 2011	10:53 am	
VEHICLE	ROLL OFF	
SOIL REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 99,920.00 lb 32 HARLOW
Tare Weight 41,540.00 lb
Net Weight 58,380.00 lb 29.19 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.19	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE	TICKET	GRID
01	448431	
SCALE OPERATOR		
TC00091 TIARA C		
DATE IN	TIME IN	
13 September 2011	10:42 am	
DATE OUT	TIME OUT	
13 September 2011	10:57 am	
VEHICLE	ROLL OFF	
SOIL REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 101,800.00 lb 24 HARLOW
Tare Weight 41,220.00 lb
Net Weight 60,580.00 lb 30.29 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.29	TN	SW-CONT SOIL W/FUEL				
		Manifest:				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

It's the Right Thing!

SAFETY MEMOS:

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

SIGNATURE

[Signature] 24

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE	TICKET	GRID
01	448439	
SCALE OPERATOR		
TC00091 TIARA C		
DATE IN	TIME IN	
13 September 2011	10:38 am	
DATE OUT	TIME OUT	
13 September 2011	11:05 am	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 102,040.00 lb 21 HARLOW
Tare Weight 41,540.00 lb
Net Weight 60,500.00 lb 30.25 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.25	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

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SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave., Montesano
Issaquah, WA
Contract: LW-11333

SITE 01	TICKET 448457	GRID
SCALE OPERATOR TC00091 TIARA C		
DATE IN 13 September 2011		TIME IN 11:04 am
DATE OUT 13 September 2011		TIME OUT 11:22 am
VEHICLE SOIL		ROLL OFF
REFERENCE	ORIGIN Montesano	

00 Gross Weight 102,740.00 lb 2 HARLOW
Tare Weight 40,920.00 lb
Net Weight 61,820.00 lb 30.91 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.91	TN	SW-CONT SOIL W/FUEL				

Manifest:



SAFETY MEMOS:

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

SIGNATURE 

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

3RD AND LANDER
3RD AND LANDER

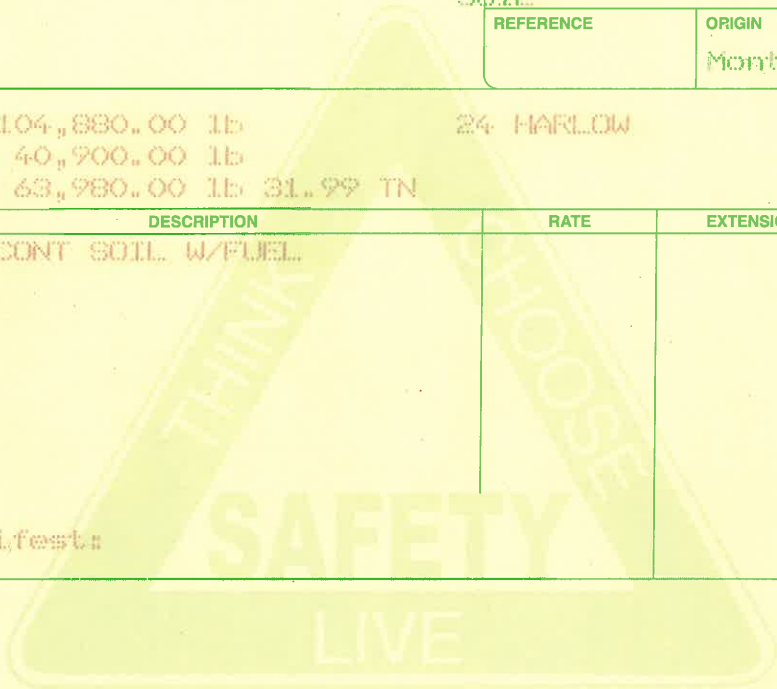
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA 98027
Contract: LW-11333

SITE	TICKET	GRID
01	448596	
SCALE OPERATOR		
HM00028 HEATHER M		
DATE IN	TIME IN	
13 September 2011	3:02 pm	
DATE OUT	TIME OUT	
13 September 2011	3:17 pm	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 104,880.00 lb 24 HARLOW
Tare Weight 40,900.00 lb
Net Weight 63,980.00 lb 31.99 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
31.99	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
C

SAFETY MEMOS:

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

SIGNATURE

[Handwritten Signature] #24

3RD AND LANDER
3RD AND LANDER

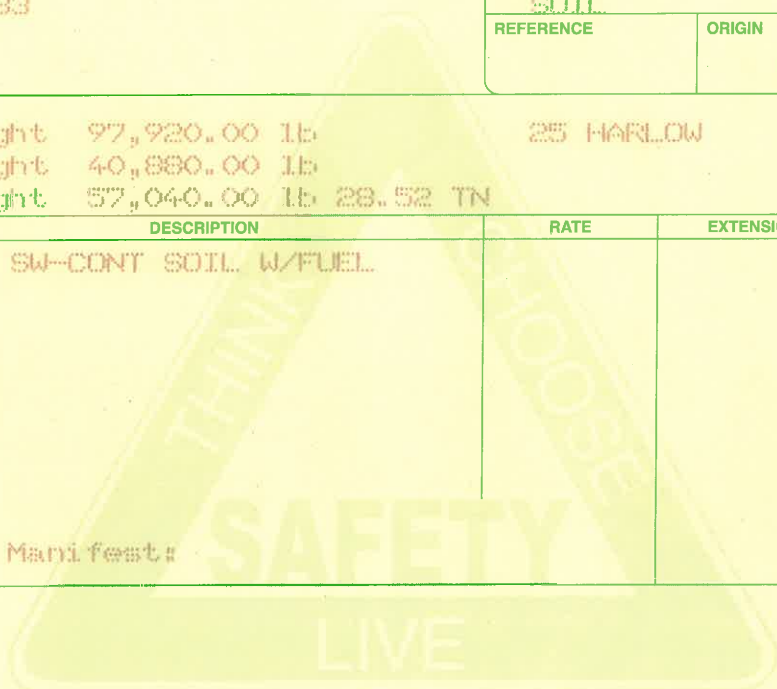
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE	TICKET	GRID
01	448608	
SCALE OPERATOR TC00091 TIARA C		
DATE IN	TIME IN	
13 September 2011	3:30 pm	
DATE OUT	TIME OUT	
13 September 2011	3:33 pm	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 97,920.00 lb 25 HARLOW
Tare Weight 40,880.00 lb
Net Weight 57,040.00 lb 28.52 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.52	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE	TICKET	GRID
01	448613	
SCALE OPERATOR		
TC00091 TIARA C		
DATE IN	TIME IN	
13 September 2011	3:22 pm	
DATE OUT	TIME OUT	
13 September 2011	3:46 pm	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 103,080.00 lb HARLOW
Tare Weight 40,800.00 lb
Net Weight 62,280.00 lb 31.14 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
31.14	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

Tom

3RD AND LANDER
3RD AND LANDER

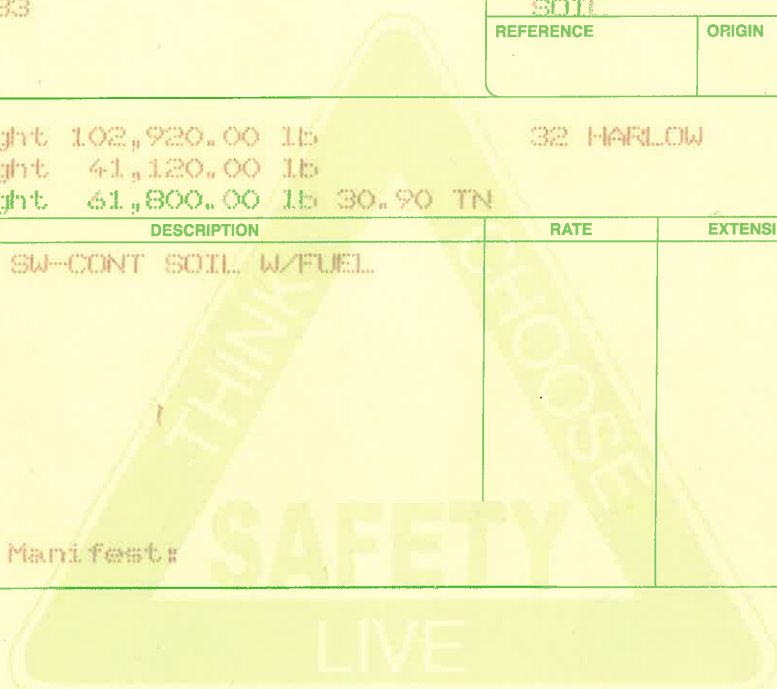
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE	TICKET	GRID
01	448617	
SCALE OPERATOR		
TC00091 TIARA C		
DATE IN	TIME IN	
13 September 2011	3:38 pm	
DATE OUT	TIME OUT	
13 September 2011	3:59 pm	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 102,920.00 lb 32 HARLOW
Tare Weight 41,120.00 lb
Net Weight 61,800.00 lb 30.90 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.90	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE _____

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

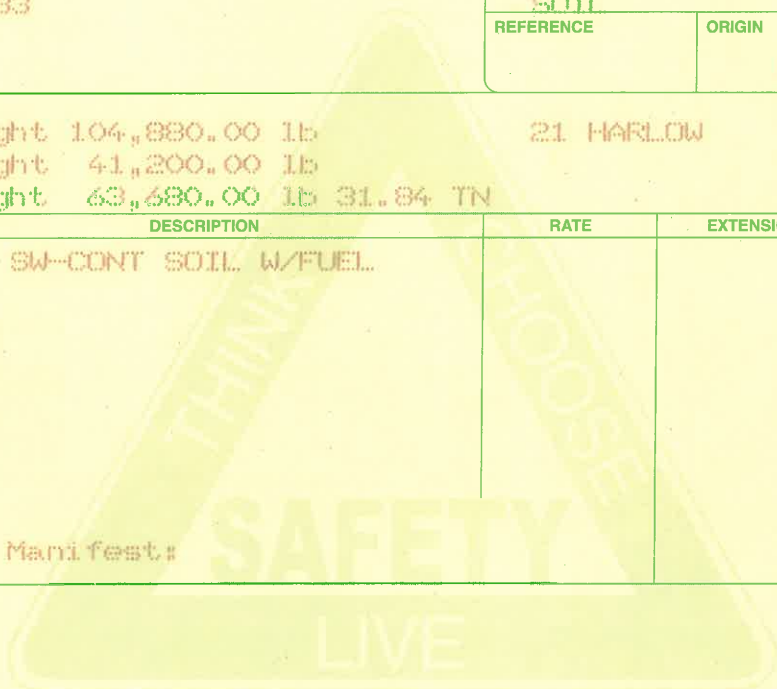
SITE	TICKET	GRID
01	448623	
SCALE OPERATOR		
TC00091 TIARA C		
DATE IN	TIME IN	
13 September 2011	3:41 pm	
DATE OUT	TIME OUT	
13 September 2011	4:05 pm	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 104,880.00 lb
Tare Weight 41,200.00 lb
Net Weight 63,680.00 lb 31.84 TN

21 HARLOW

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
31.84	TN	SW-CONT SOIL W/FUEL				

Manifest:



It's the Right Thing

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

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SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE	TICKET	GRID
01	448825	
SCALE OPERATOR TC00091 TIARA C		
DATE IN	TIME IN	
14 September 2011	10:08 am	
DATE OUT	TIME OUT	
14 September 2011	10:43 am	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 93,140.00 lb 20 HARLOW
Tare Weight 40,220.00 lb
Net Weight 52,920.00 lb 26.46 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
26.46	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE 

GRD AND LANDER
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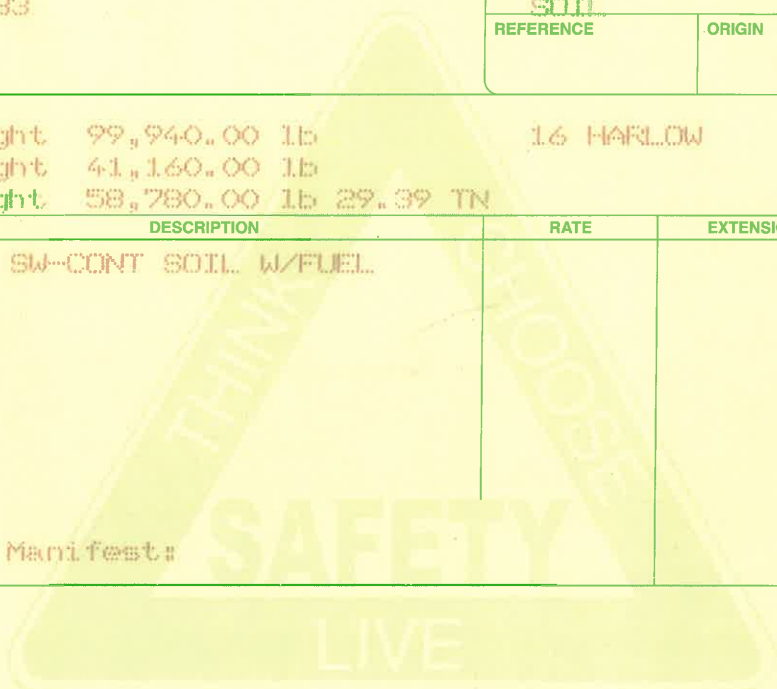
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE	TICKET	GRID
01	448827	
SCALE OPERATOR TC00091 TIARA C		
DATE IN	TIME IN	
14 September 2011	10:10 am	
DATE OUT	TIME OUT	
14 September 2011	10:45 am	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 99,940.00 lb 16 HARLOW
Tare Weight 41,160.00 lb
Net Weight 58,780.00 lb 29.39 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.39	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

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3RD AND LANDER
3RD AND LANDER

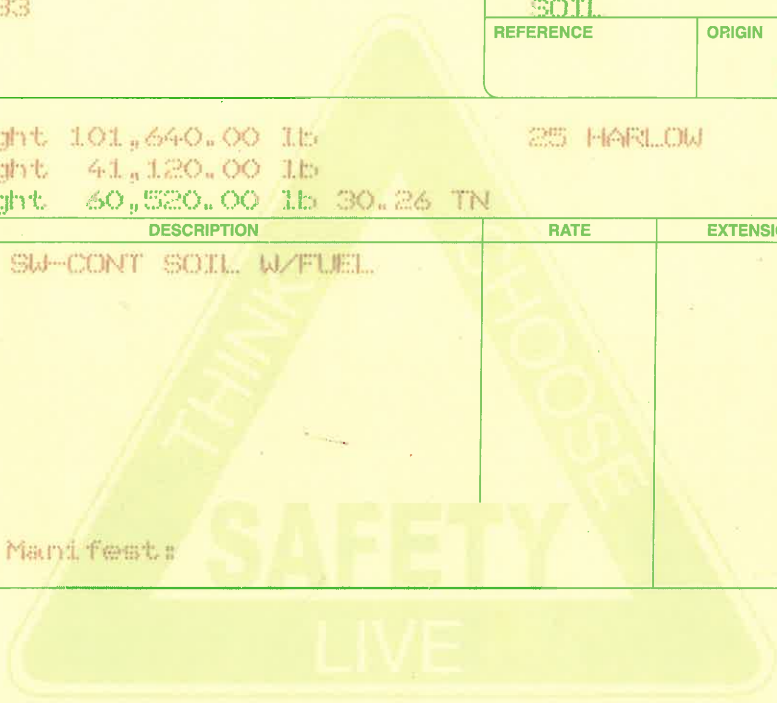
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contracts: LW-11333

SITE	TICKET	GRID
01	448828	
SCALE OPERATOR		
TC00091 TIARA C		
DATE IN	TIME IN	
14 September 2011	10:13 am	
DATE OUT	TIME OUT	
14 September 2011	10:47 am	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 101,640.00 lb 25 HARLOW
Tare Weight 41,120.00 lb
Net Weight 60,520.00 lb 30.26 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.26	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

3RD AND LANDER
3RD AND LANDER

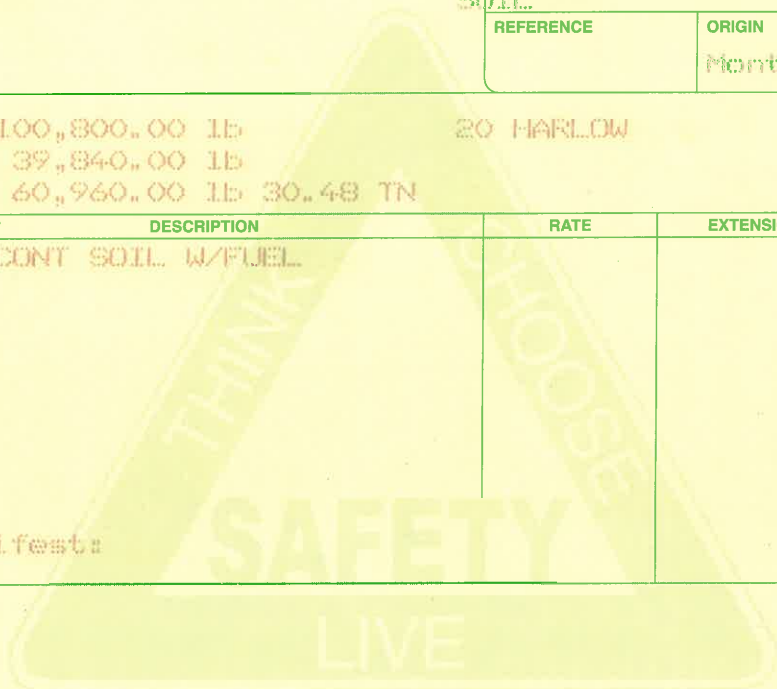
SEATTLE, WA
012798 - 0003

Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA 98027
Contract: LW-11333

SITE 01	TICKET 449037	GRID
SCALE OPERATOR LESLIE U		
DATE IN 14 September 2011		TIME IN 3:09 pm
DATE OUT 14 September 2011		TIME OUT 3:19 pm
VEHICLE SOIL		ROLL OFF
REFERENCE	ORIGIN Montesano	

00 Gross Weight 100,800.00 lb 20 HARLOW
Tare Weight 39,840.00 lb
Net Weight 60,960.00 lb 30.48 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.48	TN	SW-CONT SOIL W/FUEL				
		Manifest:				



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

3RD AND LANDER
3RD AND LANDER

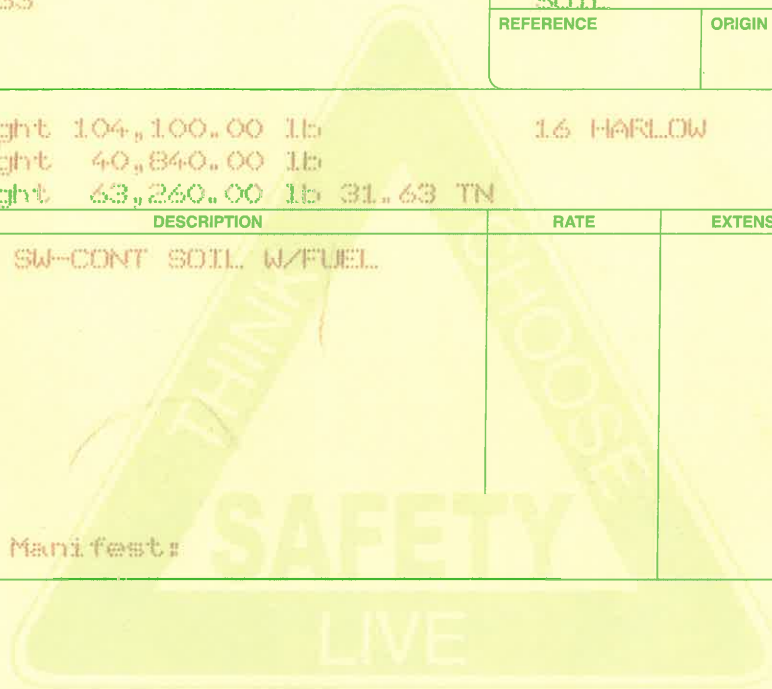
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contracts LW-11333

SITE	TICKET	GRID
01	449042	
SCALE OPERATOR		
TC00091 TIARA C		
DATE IN	TIME IN	
14 September 2011	3:10 pm	
DATE OUT	TIME OUT	
14 September 2011	3:27 pm	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 104,100.00 lb 16 HARLOW
Tare Weight 40,840.00 lb
Net Weight 63,260.00 lb 31.63 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
31.63	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

A handwritten signature in black ink, appearing to be "D.V.", is written over the signature line.

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003

Environmental Partners

123 W Pioneer Ave, Montesano

Issaquah, WA

Contract: LW-11333

SITE	TICKET	GRID
01	449044	
SCALE OPERATOR		
TC00091 TIARA C		
DATE IN	TIME IN	
14 September 2011	3:15 pm	
DATE OUT	TIME OUT	
14 September 2011	3:30 pm	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 95,760.00 lb 25 HARLOW
Tare Weight 41,100.00 lb
Net Weight 54,660.00 lb 27.33 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
27.33	TN	SW-CONT SOIL W/FUEL				

Manifest:



It's the Right Thing

SAFETY MEMOS:

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

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

3RD AND LANDER
3RD AND LANDER

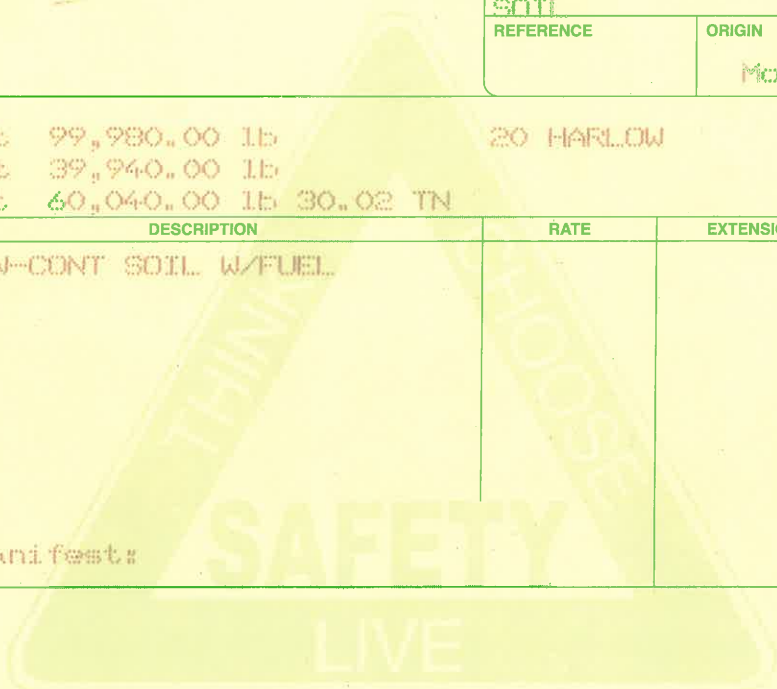
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA 980113509
Contract: LW-11333

SITE	TICKET	GRID
01	449417	
SCALE OPERATOR		
TC00091 TIARA C		
DATE IN	TIME IN	
15 September 2011	2:43 pm	
DATE OUT	TIME OUT	
15 September 2011	2:54 pm	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 99,980.00 lb 20 HARLOW
Tare Weight 39,940.00 lb
Net Weight 60,040.00 lb 30.02 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.02	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

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SEATTLE, WA
012798 - 0003

Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA 980113509
Contract: LW-11333

SITE 01	TICKET 449429	GRID
SCALE OPERATOR TC00091 TIARA C		
DATE IN 15 September 2011	TIME IN 2:51 pm	
DATE OUT 15 September 2011	TIME OUT 3:07 pm	
VEHICLE SOIL	ROLL OFF	
REFERENCE	ORIGIN Montesano	

00 Gross Weight 102,280.00 lb
Tare Weight 40,940.00 lb
Net Weight 61,340.00 lb 30.67 TN
16 HARLOW

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.67	TN	SW-CONT SOIL W/FUEL Manifest:				



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

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SRD AND LANDER

SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE 01	TICKET 449882	GRID
SCALE OPERATOR SA00053 STEPHANIE A		
DATE IN 16 September 2011	TIME IN 7:18 pm	
DATE OUT 16 September 2011	TIME OUT 7:28 pm	
VEHICLE SOIL	ROLL OFF	
REFERENCE	ORIGIN Montesano	

00 Gross Weight 102,080.00 lb
Tare Weight 40,880.00 lb
Net Weight 61,200.00 lb 30.60 TN

16 HARLOW CONSTRUCTION

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.60	TN	SW-CONT SOIL W/FUEL				
Manifest:						

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

It's the Right Thing!

SAFETY MEMOS:

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

SIGNATURE

OH

3RD AND LANDER
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SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE 01	TICKET 449883	GRID
SCALE OPERATOR SA00053 STEPHANIE A		
DATE IN 16 September 2011		TIME IN 7:16 pm
DATE OUT 16 September 2011		TIME OUT 7:30 pm
VEHICLE SOIL		ROLL OFF
REFERENCE	ORIGIN Montesano	

00 Gross Weight 102,100.00 lb
Tare Weight 39,940.00 lb
Net Weight 62,160.00 lb 31.08 TN

20 HARLOW CONSTRUCTION

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
31.08	TN	SW-CONT SOIL W/FUEL				
		Manifest:				



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE 

3RD AND LANDER
3RD AND LANDER

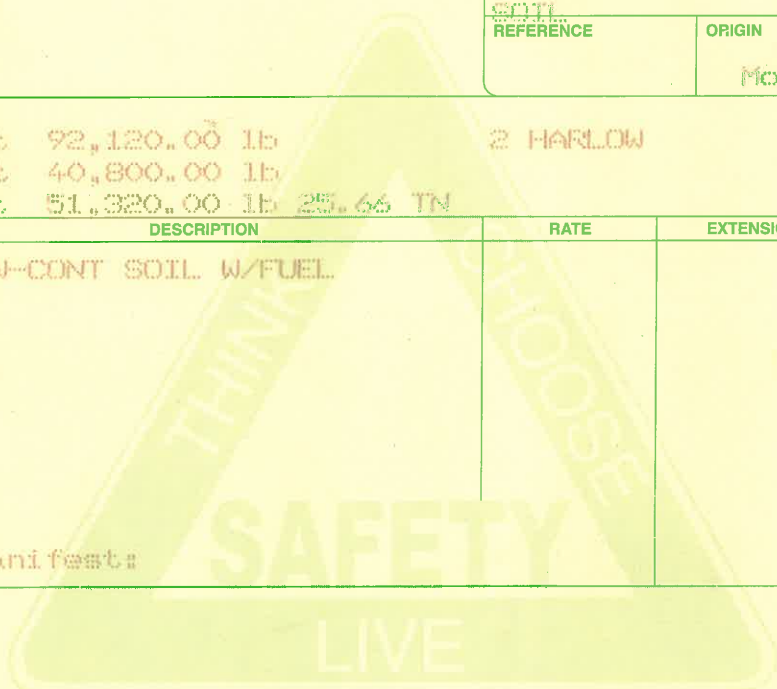
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE 01	TICKET 450694	GRID
SCALE OPERATOR TC00091 TIARA C		
DATE IN 20 September 2011	TIME IN 2:51 pm	
DATE OUT 20 September 2011	TIME OUT 3:09 pm	
VEHICLE SPTL REFERENCE	ORIGIN Montesano	ROLL OFF

00 Gross Weight 92,120.00 lb 2 HARLOW
Tare Weight 40,800.00 lb
Net Weight 51,320.00 lb 25.66 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
25.66	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE *W. J. [Signature]*

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA 98108
Contract: LW-11333

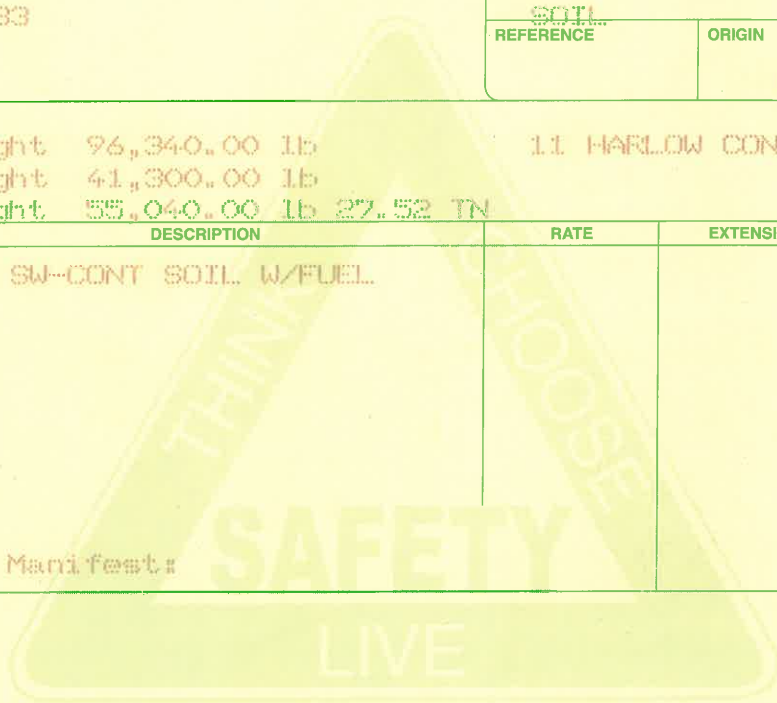
SITE 01	TICKET 450748	GRID
SCALE OPERATOR TC00091 TIARA C		
DATE IN 20 September 2011	TIME IN 4:52 pm	
DATE OUT 20 September 2011	TIME OUT 5:21 pm	
VEHICLE SOIL	ROLL OFF	
REFERENCE	ORIGIN Montesano	

00 Gross Weight 96,340.00 lb
Tare Weight 41,300.00 lb
Net Weight 55,040.00 lb 27.52 TN

11 HARLOW CONST

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
27.52	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE *David S. Beare*

3RD AND LANDER
3RD AND LANDER

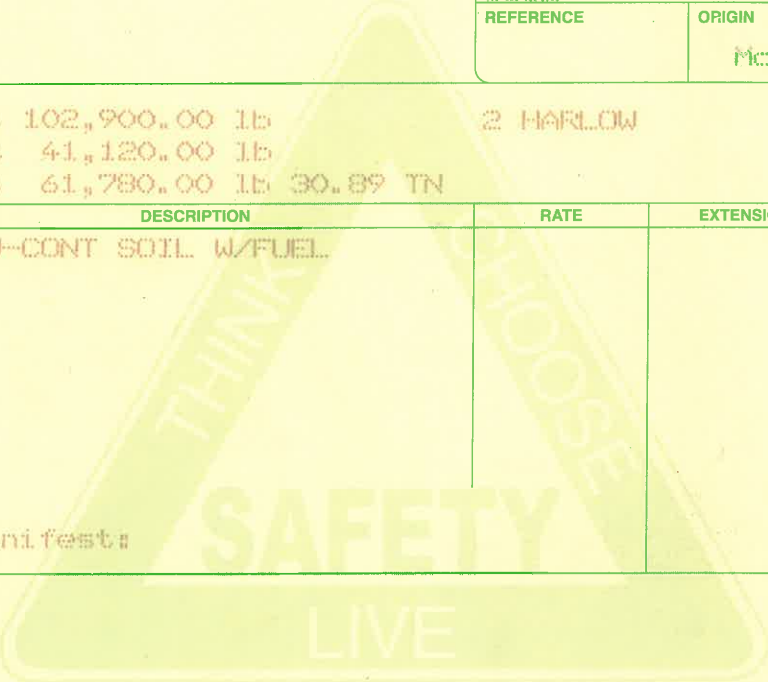
SEATTLE, WA
012798 - 0003

Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE 01	TICKET 450898	GRID
SCALE OPERATOR TC00091 TIARA C		
DATE IN 21 September 2011	TIME IN 9:55 am	
DATE OUT 21 September 2011	TIME OUT 10:13 am	
VEHICLE SOIL	ROLL OFF	
REFERENCE	ORIGIN Montesano	

00 Gross Weight 102,900.00 lb 2 HARLOW
Tare Weight 41,120.00 lb
Net Weight 61,780.00 lb 30.89 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.89	TN	SW-CONT SOIL W/FUEL Manifest:				



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE *W. J. [Signature]*

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE 01	TICKET 450908	GRID
SCALE OPERATOR TC00091 TIARA C		
DATE IN 21 September 2011	TIME IN 10:00 am	
DATE OUT 21 September 2011	TIME OUT 10:23 am	
VEHICLE SOIL	ROLL OFF	
REFERENCE	ORIGIN Montesano	

00 Gross Weight 106,960.00 lb 13 HARLOW
Tare Weight 40,880.00 lb
Net Weight 66,080.00 lb 33.04 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
33.04	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

PT # 13

3RD AND LANDER
3RD AND LANDER

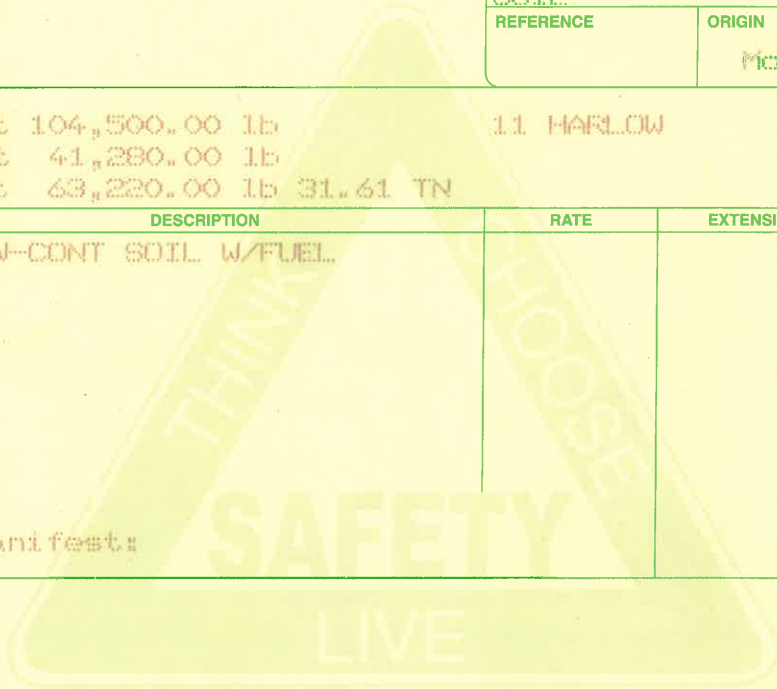
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE 01	TICKET 450922	GRID
SCALE OPERATOR TC00091 TIARA C		
DATE IN 21 September 2011		TIME IN 10:14 am
DATE OUT 21 September 2011		TIME OUT 10:42 am
VEHICLE SOIL		ROLL OFF
REFERENCE	ORIGIN Montesano	

00 Gross Weight 104,500.00 lb
Tare Weight 41,280.00 lb
Net Weight 63,220.00 lb 31.61 TN
11 HARLOW

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
31.61	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

David Beer

3RD AND LANDER
3RD AND LANDER

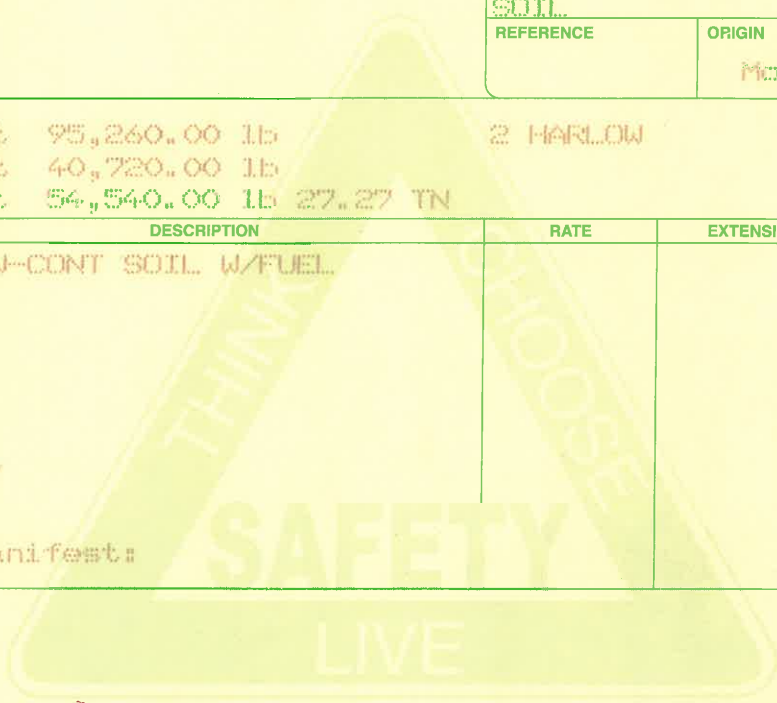
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract#: LW-11333

SITE	TICKET	GRID
01	451101	
SCALE OPERATOR		
TC00091 TIARA C		
DATE IN	TIME IN	
21 September 2011	2:07 pm	
DATE OUT	TIME OUT	
21 September 2011	2:18 pm	
VEHICLE	ROLL-OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 95,260.00 lb 2 HARLOW
Tare Weight 40,720.00 lb
Net Weight 54,540.00 lb 27.27 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
27.27	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE 

3RD AND LANDER
3RD AND LANDER

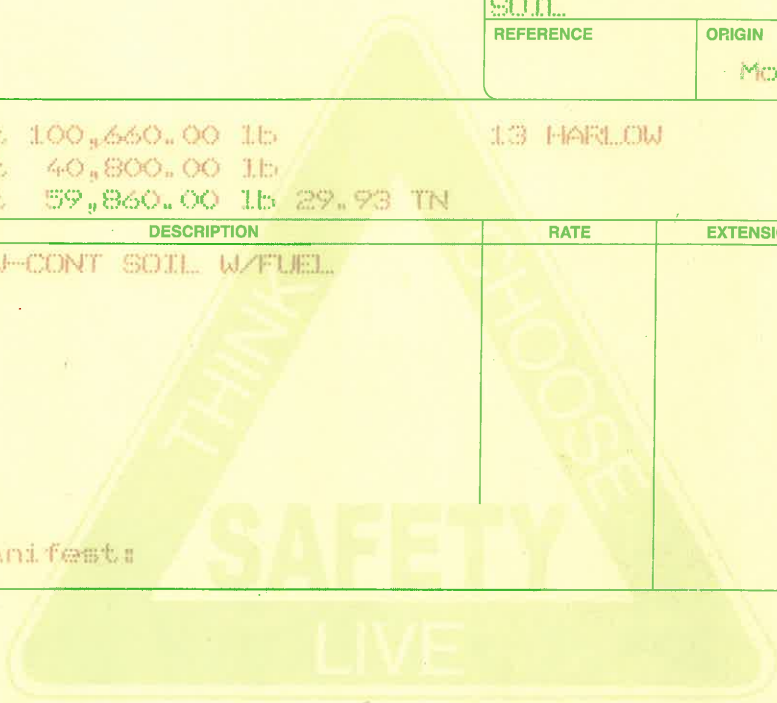
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE 01	TICKET 451122	GRID
SCALE OPERATOR TC00091 TIARA C		
DATE IN 21 September 2011		TIME IN 2:34 pm
DATE OUT 21 September 2011		TIME OUT 2:50 pm
VEHICLE SOIL		ROLL OFF
REFERENCE	ORIGIN Montesano	

00 Gross Weight 100,660.00 lb
Tare Weight 40,800.00 lb
Net Weight 59,860.00 lb 29.93 TN
13 HARLOW

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.93	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE PT #13

3RD AND LANDER
3RD AND LANDER

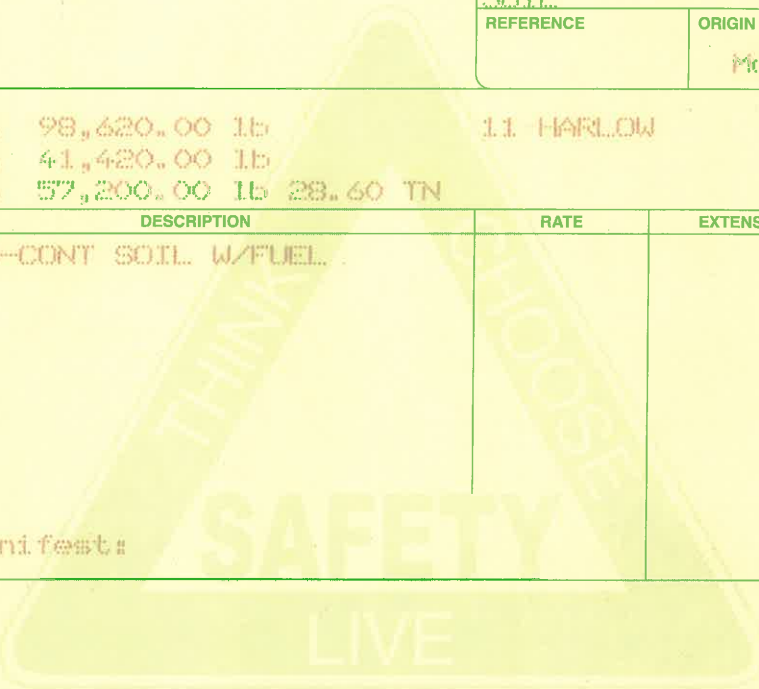
SEATTLE, WA
012798 - 0003

Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE 01	TICKET 451137	GRID
SCALE OPERATOR TC00091 TIARA C		
DATE IN 21 September 2011	TIME IN 2:41 pm	
DATE OUT 21 September 2011	TIME OUT 3:04 pm	
VEHICLE SOIL	ROLL OFF	
REFERENCE	ORIGIN Montesano	

00 Gross Weight 98,620.00 lb 11 HARLOW
Tare Weight 41,420.00 lb
Net Weight 57,200.00 lb 28.60 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.60	TN	SW-CONT SOIL W/FUEL Manifest:				



It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

Dick Bess

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave., Montesano
Issaquah, WA
Contract: LW-11333

SITE 01	TICKET 451330	GRID
SCALE OPERATOR HM0002B HEATHER M		
DATE IN 22 September 2011		TIME IN 9:55 am
DATE OUT 22 September 2011		TIME OUT 10:05 am
VEHICLE SOIL		ROLL OFF
REFERENCE	ORIGIN Montesano	

00 Gross Weight 101,320.00 lb
Tare Weight 41,260.00 lb
Net Weight 60,060.00 lb 30.03 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.03	TN	SW-CONT SOIL W/FUEL				

Manifest:



It's the Right Thing!

SAFETY MEMOS:

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

SIGNATURE

David R. Bunn

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave., Montesano
Issaquah, WA
Contract: LW-11333

SITE 01	TICKET 451335	GRID
SCALE OPERATOR HM00028 HEATHER M		
DATE IN 22 September 2011		TIME IN 9:59 am
DATE OUT 22 September 2011		TIME OUT 10:12 am
VEHICLE SOIL		ROLL OFF
REFERENCE	ORIGIN Montesano	

00 Gross Weight 101,600.00 lb 2 HARLOW
Tare Weight 40,960.00 lb
Net Weight 60,640.00 lb 30.32 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.32	TN	SW-CONT SOIL W/FUEL				

Manifest:



It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE 

3RD AND LANDER
3RD AND LANDER

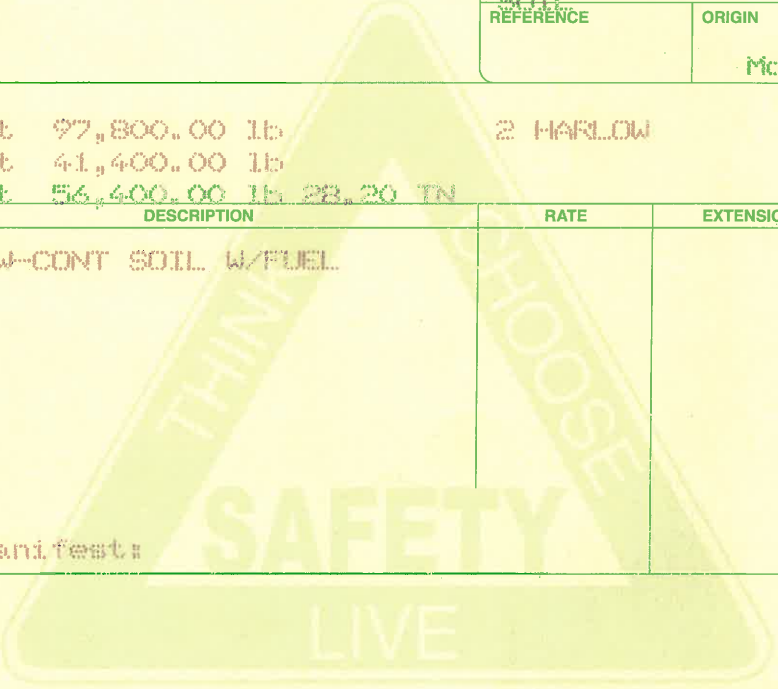
SEATTLE, WA
012798 - 0003

Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA 98144
Contract: LW-11333

SITE	TICKET	GRID
01	452803	
WEIGHMASTER		
TC00091 TIARA C		
DATE IN	TIME IN	
27 September 2011	3:29 pm	
DATE OUT	TIME OUT	
27 September 2011	3:43 pm	
VEHICLE	ROLL OFF	
SOIL REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 97,800.00 lb 2 HARLOW
Tare Weight 41,400.00 lb
Net Weight 56,400.00 lb 28.20 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.20	TN	SW-CONT SOIL W/FUEL				
Manifest:						



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE 

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003

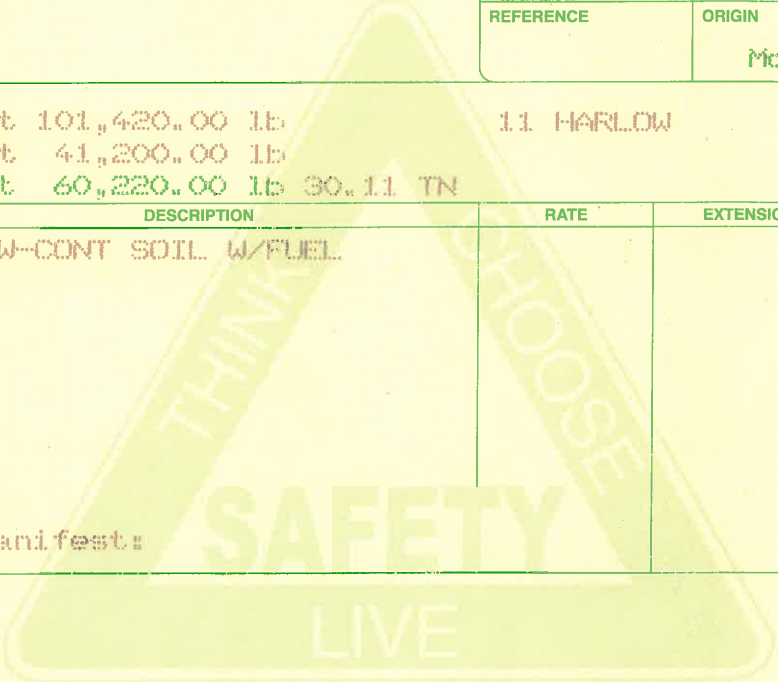
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA 98144
Contract: LW-11333

SITE	TICKET	GRID
01	452821	
WEIGHMASTER		
TC00091 TIARA C		
DATE IN	TIME IN	
27 September 2011	3:56 pm	
DATE OUT	TIME OUT	
27 September 2011	4:10 pm	
VEHICLE	ROLL OFF	
SOIL		
REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 101,420.00 lb 11 HARLOW
Tare Weight 41,200.00 lb
Net Weight 60,220.00 lb 30.11 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.11	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003

Environmental Partners

123 W Pioneer Ave, Montesano

Issaquah, WA

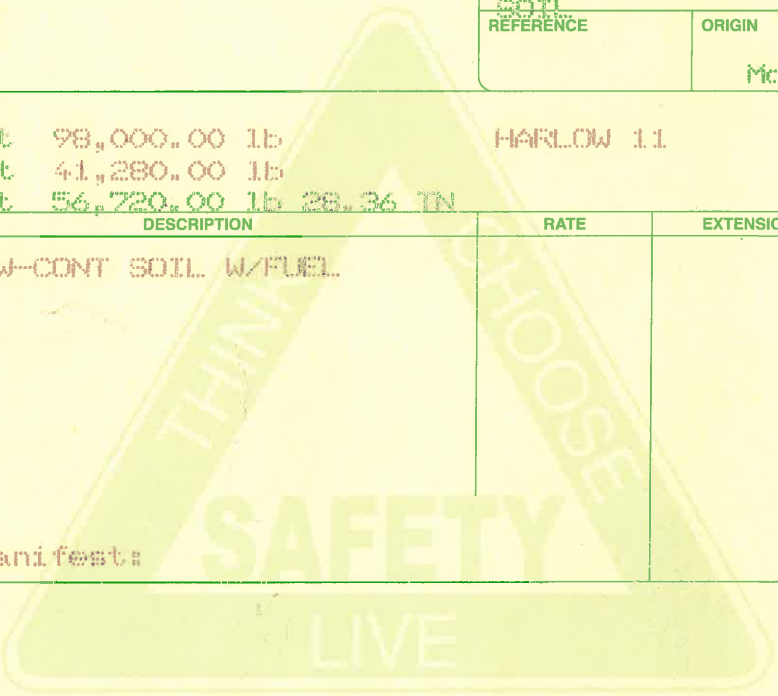
Contract: LW-11333

SITE 01	TICKET 452979	GRID
WEIGHMASTER		
HM00029 HEATHER M		
DATE IN 28 September 2011	TIME IN 10:01 am	
DATE OUT 28 September 2011	TIME OUT 10:14 am	
VEHICLE	ROLL OFF	
SOIL REFERENCE	ORIGIN Montesano	

00 Gross Weight 98,000.00 lb HARLOW 1.1
Tare Weight 41,280.00 lb
Net Weight 56,720.00 lb 28.36 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.36	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE David Beers

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003

Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE	TICKET	GRID
01	453015	
WEIGHMASTER		
HM00028 HEATHER M		
DATE IN	TIME IN	
28 September 2011	10:43 am	
DATE OUT	TIME OUT	
28 September 2011	10:59 am	
VEHICLE	ROLL OFF	
SOIL REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 105,720.00 lb
Tare Weight 41,120.00 lb
Net Weight 64,600.00 lb 32.30 TN 2 HARLOW

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
32.30	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE 

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003

Environmental Partners

123 W Pioneer Ave., Montesano

Issaquah, WA

Contract: LW-11333

SITE 01	TICKET 453221	GRID
WEIGHMASTER TC00091 TIARA C		
DATE IN 28 September 2011	TIME IN 3:07 pm	
DATE OUT 28 September 2011	TIME OUT 3:23 pm	
VEHICLE SOIL REFERENCE	ROLL OFF ORIGIN Montesano	

00 Gross Weight 100,940.00 lb
Tare Weight 40,900.00 lb
Net Weight 60,040.00 lb 30.02 TN 11 HARLOW

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.02	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE *Diablo*

3RD AND LANDER
3RD AND LANDER

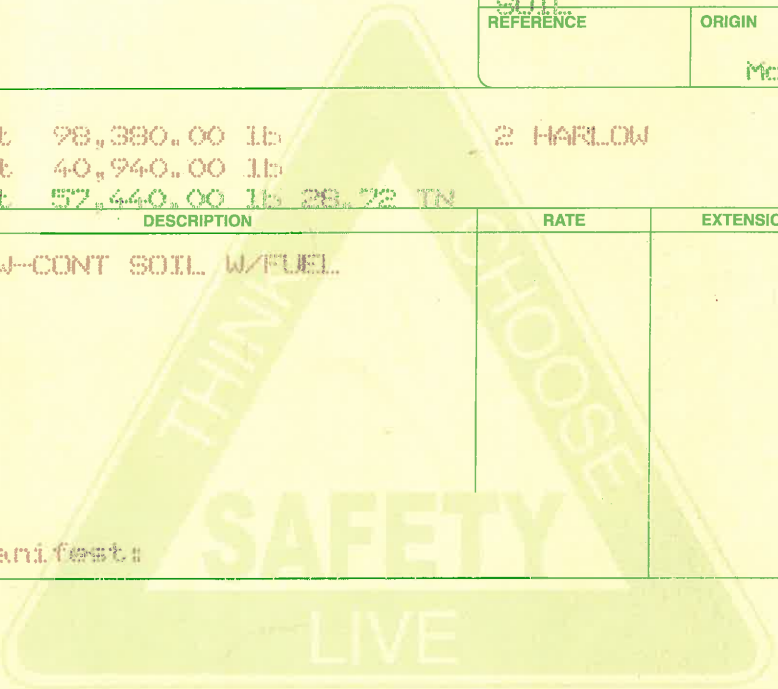
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE	TICKET	GRID
01	453224	
WEIGHMASTER		
TC00091 TIARA C		
DATE IN	TIME IN	
28 September 2011	3:16 pm	
DATE OUT	TIME OUT	
28 September 2011	3:29 pm	
VEHICLE	ROLL OFF	
SOIL REFERENCE	ORIGIN	
	Montesano	

00 Gross Weight 98,380.00 lb 2 HARLOW
Tare Weight 40,940.00 lb
Net Weight 57,440.00 lb 28.72 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.72	TN	SW-CONT SOIL W/FUEL				

Manifest#



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE 

3RD AND LANDER
3RD AND LANDER

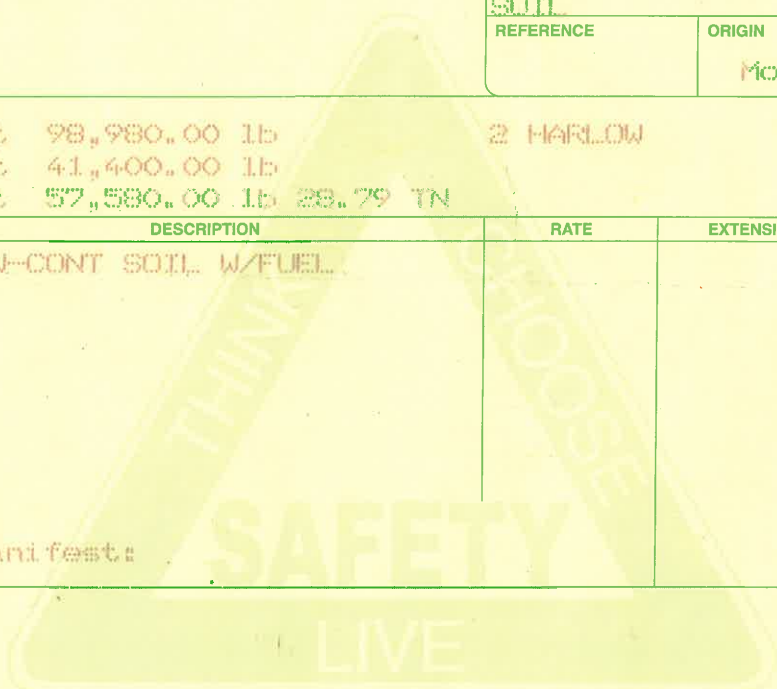
SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

SITE 01	TICKET 459493	GRID
SCALE OPERATOR HM00028 HEATHER M		
DATE IN 18 October 2011	TIME IN 9:48 am	
DATE OUT 18 October 2011	TIME OUT 10:09 am	
VEHICLE SOIL	ROLL OFF	
REFERENCE	ORIGIN Montesano	

00 Gross Weight 98,980.00 lb 2 HARLOW
Tare Weight 41,400.00 lb
Net Weight 57,580.00 lb 28.79 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.79	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA
Contract: LW-11333

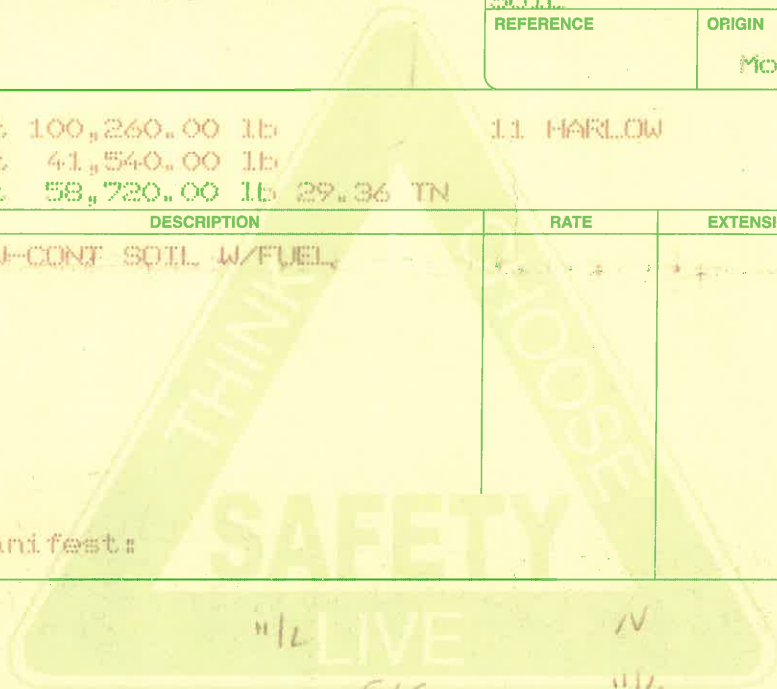
SITE 01	TICKET 459506	GRID
SCALE OPERATOR DL00026 DRINDA L.		
DATE IN 18 October 2011		TIME IN 10:05 am
DATE OUT 18 October 2011		TIME OUT 10:25 am
VEHICLE SOIL		ROLL OFF
REFERENCE	ORIGIN Montesano	

00 Gross Weight 100,260.00 lb
Tare Weight 41,540.00 lb
Net Weight 58,720.00 lb 29.36 TN

11 HARLOW

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.36	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

5120103 / 27305
SIGNATURE *[Signature]*

3RD AND LANDER
3RD AND LANDER

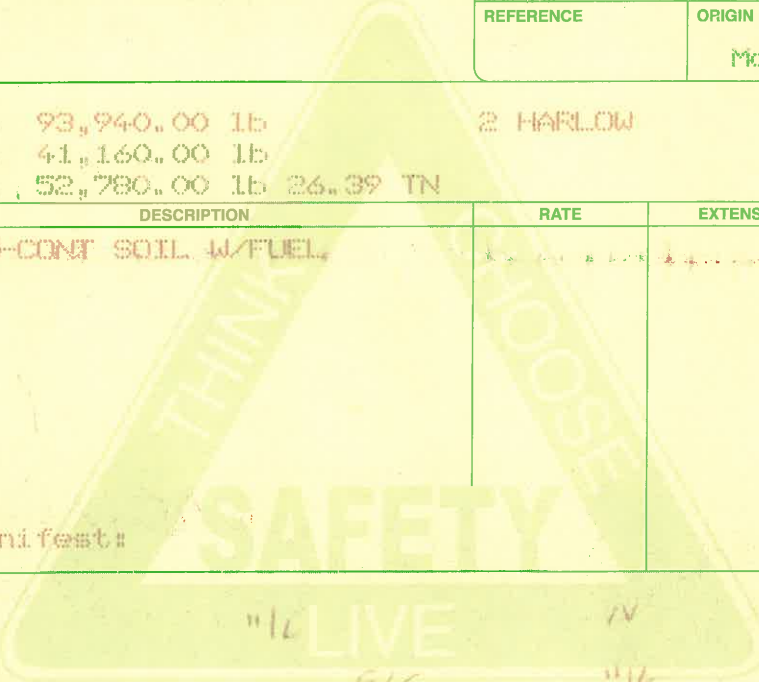
SEATTLE, WA
012798 - 0003

Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA 99206
Contract: LW-11333

SITE 01	TICKET 459481	GRID
SCALE OPERATOR DL00026 DRINDA L.		
DATE IN 18 October 2011		TIME IN 2:03 pm
DATE OUT 18 October 2011		TIME OUT 2:14 pm
VEHICLE SOIL		ROLL OFF
REFERENCE	ORIGIN Montesano	

00 Gross Weight 93,940.00 lb 2 HARLOW
Tare Weight 41,160.00 lb
Net Weight 52,780.00 lb 26.39 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
26.39	TN	SW-CONT SOIL W/FUEL				



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

Handwritten signature

It's the Right Thing!

*11/2 LIVE 11/2
ELC 11/2*

51201 0 3

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
012798 - 0003

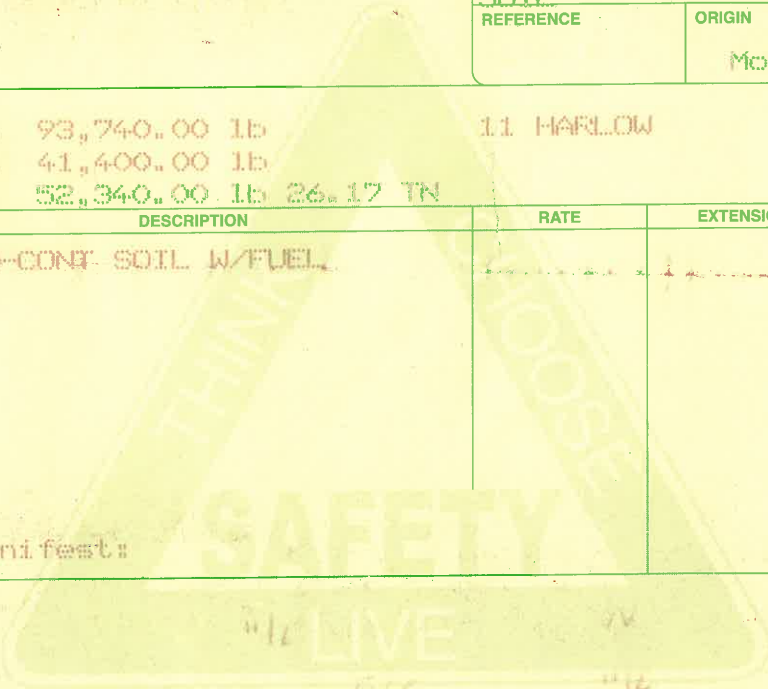
Environmental Partners
123 W Pioneer Ave, Montesano
Issaquah, WA 99206
Contract: LW-11333

SITE 01	TICKET 459707	GRID
SCALE OPERATOR DL00026 DRINDA L.		
DATE IN 18 October 2011	TIME IN 2:25 pm	
DATE OUT 18 October 2011	TIME OUT 2:49 pm	
VEHICLE SOIL	ROLL OFF	
REFERENCE	ORIGIN Montesano	

00 Gross Weight 93,740.00 lb 11 HARLOW
Tare Weight 41,400.00 lb
Net Weight 52,340.00 lb 26.17 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
26.17	TN	SW-CONT SOIL W/FUEL				

Manifest:



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

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

SIGNATURE

D. Beus

Appendix 16
“Contained-Out” PCE Soil Disposal Documentation

CI

Certification No: LW 11351
Billing Acct. No. 12798
Product Code 67

**BILL OF LADING
CONTAMINATED SOIL**

REGIONAL DISPOSAL COMPANY

54 S. Dawson Street
Seattle, WA 98134
Telephone: (206) 332-7700 / Fax: (206) 332-7600

This Bill of Lading augments the Master Service Agreement ("Agreement") entered into by Environmental Partners ("Generator/Agent") and Regional Disposal Company ("RDC") on 9/29/11 (date). The terms herein are made a part of the Agreement. In the event of conflict between this Bill of Lading and the Agreement, the terms of the Agreement prevail.

RDC hereby authorizes the Wastes ("Waste") described in Certification No. LW 11351, signed by Generator/Agent on 9/29/11 (date), for disposal at Roosevelt Regional Landfill. Generator/Agent shall present a copy of this Bill of Lading with each shipment delivered.

Location of Waste: 123 W. PIONEER AVE., MONTESSANO

Method of Shipment: CUSTOMER HAUL - HARLOW

Additional Fees (e.g., laboratory fees, transportation fees, special handling fees, etc. If none, so state):

PERFORMANCE DATE

FOR RDC TRANSPORTATION: Generator/Agent shall make the Waste available for shipment no later than _____ (date). RDC shall transport the Waste no later than _____ (date), unless RDC notifies the Generator/Agent in writing that Waste transport shall be suspended or canceled due to RDC's exercise of its right to inspect or analyze the Waste (as provided in the Agreement).

GENERATOR/AGENT TRANSPORTATION: Generator/Agent shall begin delivery of the Waste at [check one]:

- Roosevelt Regional Landfill.
- Seattle Transfer Station located at Third and Lander.

Waste delivery shall begin no later than 9/28/11 (date), and shall complete delivery of the Waste no later than 12/31/11 (date), unless RDC notifies Generator/Agent in writing to suspend or cancel the waste delivery due to RDC's exercise of its right to inspect or analyze the Waste (As provided in the Agreement).

Whitneys Inc
GENERATOR/AGENT **REGIONAL DISPOSAL COMPANY**

Stormy Chick Pres
Signature

Leslie Whiteman
Signature

Stormy Chick Pres
Printed Name and Title

Leslie Whiteman
Printed Name and Title

9-28-11
Date

9/28/11
Date

ALL TRUCKS MUST HAVE A COPY OF THIS BILL OF LADING WHEN DELIVERING WASTE TO THE TRANSFER STATION OR TO THE LANDFILL.



Republic Services, Inc.

18500 N. Allied Way, Phoenix, AZ 85054

LW-11351 -#12798

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
41781113231

Expiration Date
8/19/2012

I. Decision Request:

Initial Recertification Change

Disposal Facility: 4178 - Roosevelt Regional MSW L/F

Generator Name: Whitney's Chevrolet

Generator Site Address: 123 W Pioneer Ave

City: Montesano

County:

State: WA

Zip:

Name of Waste: Contained Out Soil from leaking gas/diesel USTs

Estimated Annual Volume: 1700 Cubic Yards

II. Special Waste Department Decision: Approved Rejected

Management Method(s): Landfill Solidification Bioremediation Transfer Facility

Problematic Special Waste according to Republic? Yes No

If yes, which one?

Approved by Special Waste Review Committee? Yes No Not Applicable

Precautions, Conditions or Limitations on Approval

This waste must meet the conditions described in the State of Washington Department of Ecology "Contained-Out" Determination for 1700 Cubic Yards of Soils contaminated with Listed Dangerous Waste Constituents located at 123 Pioneer Avenue, Montesano, WA - Agreed Order No. DE 2951 dated 04/21/11.

Special Waste Analyst Signature: Leslie Hamilton
Date: 8/29/2011

Name (Printed): Leslie Hamilton

III. Facility Decision:

Approved Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: [Signature]
Date: 8/29/2011

Name (Printed): Matt Henry
8/1/11

Requested Disposal Facility: 4178 Roosevelt Regional MSW LF WA

Waste Profile #

Saveable fill-in form. Restricted printing unit is required (yellow) fields are completed.

Sales Rep #:

I. Generator Information

Generator Name: Whitney's Chevrolet			
Generator Site Address: 123 W. Pioneer Avenue			
City: Montesano	County: Grays Harbor	State: Washington	Zip: 98563
State ID/Reg No: 36813164	State Approval/Waste Code: Contained-out (if applicable)		NAICS # :
Generator Mailing Address (if different): 123 W. Pioneer Avenue			
City: Montesano	County: Grays Harbor	State: Washington	Zip: 98563
Generator Contact Name: Stormy Glick		Email: sglick@yahoo.com	
Phone Number: 360-249-4431	Ext:	Fax Number: (360) 249-6629	

IIa. Transporter Information

Transporter Name: Harlow Trucking		Contact Name: Rick Tripp	
Transporter Address: 3123 106th St. S.			
City: Lakewood	County: Pierce	State: WA	Zip: 98499
Phone: (253) 588-4705	Fax: (253) 588-4710	State Transportation Number: 1194010 cc 62264	

IIb. Billing Information

Bill To: Environmental Partners, Inc.		Contact Name: Tom Elsemore	
Billing Address: 295 NE Golman Blvd., Ste. 201		Email: tome@epi-wa.com	
City: Issaquah	State: WA	Zip: 98027	Phone: (425) 395-0010

III. Waste Stream Information

Name of Waste: Contained out soil per DOE	
Process Generating Waste: leaking underground storage tanks - gasoline and diesel	
Type of Waste:	<input type="checkbox"/> INDUSTRIAL PROCESS WASTE <input checked="" type="checkbox"/> POLLUTION CONTROL WASTE
Physical State:	<input checked="" type="checkbox"/> SOLID <input type="checkbox"/> SEMI-SOLID <input type="checkbox"/> POWDER <input type="checkbox"/> LIQUID
Method of Shipment:	<input checked="" type="checkbox"/> BULK <input type="checkbox"/> DRUM <input type="checkbox"/> BAGGED <input type="checkbox"/> OTHER:
Estimated Annual Volume:	1700 Cubic Yards
Frequency:	<input checked="" type="checkbox"/> ONE TIME <input type="checkbox"/> ANNUAL
Disposal Consideration:	<input checked="" type="checkbox"/> LANDFILL <input type="checkbox"/> SOLIDIFICATION <input type="checkbox"/> BIOREMEDIATION

IV. Representative Sample Certification
 NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?		<input checked="" type="checkbox"/> YES or <input type="checkbox"/> NO
Sample Date: April, 2008	Type of Sample: <input type="checkbox"/> COMPOSITE SAMPLE <input checked="" type="checkbox"/> GRAB SAMPLE	
Sample ID Numbers: DPT-5@12, DPT-5@14.5, DPT-10@10, DPT-10@14.5		



Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)
1. soil	98.000
2. water/moisture	2.000
3.	
4.	

5.	Color	Odor (describe)	Does Waste Contain Free Liquids?	% Solids	pH:	Flash Point
	brown	Slight petroleum	<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO	100.00	7	NA °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Chain of Custody and Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm)[reference 40 CFR 261.23(a)(5)]?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste a reactive or heat generating waste?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does the waste contain sulfur or sulfur by-products?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste generated at a Federal Superfund Clean Up Site?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste from a TSD facility, TSD like facility or consolidator?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

<p>Stormy Glick</p> <p>Authorized Representative Name And Title (Type or Print)</p> <p><i>Stormy Glick</i></p> <p>Authorized Representative Signature</p>	<p>Whitney's Chevrolet</p> <p>Company Name</p> <p>8-16-2011</p> <p>Date</p>
---	---

1516096

RABANCO REGIONAL DISPOSAL
 P.O. BOX 338
 Roosevelt, WA 99356
 (506) 384-5641

012798 - 0002
 Environmental Partners
 Environmental Partners

Contract: LW-11351

SITE 01	TICKET 510810	GRID 000000
WEIGHMASTER GH00036 GAIL H <i>GH</i>		
DATE IN 29 September 2011	TIME IN 12:56 pm	
DATE OUT 29 September 2011	TIME OUT 1:24 pm	
VEHICLE 0020	ROLL OFF	
REFERENCE	ORIGIN Montesano/Grays Harbor	

1 Gross Weight 92,640.00 LB
 Tare Weight 40,460.00 LB
 Net Weight 52,180.00 LB 26.09 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
26.09	TN	67 [U5], Contained in Contaminated Soil Inbound - SELF HAULER Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE *[Signature]*

RS-F04-4pt

1516098

RABANCO REGIONAL DISPOSAL
 P.O. BOX 338
 Roosevelt, WA 99356
 (506) 384-5641

012798 - 0002
 Environmental Partners
 Environmental Partners

Contract: LW-11351

SITE 01	TICKET 510811	GRID 000000
WEIGHMASTER GH00036 GAIL H <i>[Signature]</i>		
DATE IN 29 September 2011	TIME IN 12:58 pm	
DATE OUT 29 September 2011	TIME OUT 1:26 pm	
VEHICLE 016	ROLL OFF	
REFERENCE	ORIGIN Montesano/Grays Harbor	

1 Gross Weight 100,380.00 LB
 Tare Weight 41,260.00 LB
 Net Weight 59,120.00 LB 29.56 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.56	TN	67 [U5] Contained in Contaminated Soil Inbound - SELF HAULER Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE *[Signature]*

1516100

RABANCO REGIONAL DISPOSAL
 P.O. BOX 338
 Roosevelt, WA 99356
 (506) 384-5641

012798 - 0002
 Environmental Partners
 Environmental Partners

Contract: LW-11351

SITE 01	TICKET 510812	GRID 000000
WEIGHMASTER GH00036 GAIL H <i>[Signature]</i>		
DATE IN 29 September 2011	TIME IN 1:02 pm	
DATE OUT 29 September 2011	TIME OUT 1:35 pm	
VEHICLE 22	ROLL OFF	
REFERENCE	ORIGIN Montesano/Grays Harbor	

1 Gross Weight 101,100.00 LB
 Tare Weight 41,540.00 LB
 Net Weight 59,560.00 LB 29.78 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.78	TN	67 [US] Contained in Contaminated Soil Inbound - SELF HAULER Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



[Signature]

SIGNATURE _____

1516102

RABANCO REGIONAL DISPOSAL
 P.O. BOX 338
 Roosevelt, WA 99356
 (506) 384-5641

012798 - 0002
 Environmental Partners
 Environmental Partners

Contract: LW-11351

SITE 01	TICKET 510813	GRID 000000
WEIGHMASTER GH00036 GAIL H <i>GH</i>		
DATE IN 29 September 2011	TIME IN 1:04 pm	
DATE OUT 29 September 2011	TIME OUT 1:36 pm	
VEHICLE 28	ROLL OFF	
REFERENCE	ORIGIN Montesano/Grays Harbor	

1 Gross Weight 105,540.00 LB
 Tare Weight 41,700.00 LB
 Net Weight 63,840.00 LB 31.92 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
31.92	TN	67 [US] Contained in Contaminated Soil Inbound - SELF HAULER Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE _____

[Handwritten Signature]

RS-F04-4pt

1516178

RABANCO REGIONAL DISPOSAL
 P.O. BOX 338
 Roosevelt, WA 99356
 (509) 384-5641

012798 - 0002
 Environmental Partners
 Environmental Partners

Contract: LW-11351

SITE 01	TICKET 510888	GRID 000000
WEIGHMASTER GH00036 GAIL H		
DATE IN 29 September 2011	TIME IN 3:34 pm	
DATE OUT 29 September 2011	TIME OUT 4:00 pm	
VEHICLE 0011	ROLL OFF	
REFERENCE	ORIGIN Montesano/Grays Harbor	

1 Gross Weight 104,880.00 LB
 Tare Weight 41,500.00 LB
 Net Weight 63,380.00 LB 31.69 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
31.69	TN	62-EU57 Contained in Contaminated Soil Inbound - SELF HAULER Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



David Beer

SIGNATURE

RS-F04-4pt

1516199

RABAND REGIONAL DISPOSAL
 P.O. BOX 338
 Roosevelt, WA 99356
 (506) 384-5641

012798 - 0002
 Environmental Partners
 Environmental Partners

Contract: LW-11351

SITE 01	TICKET 510908	GRID 000000
WEIGHMASTER VR00020 VICKY R <i>VR</i>		
DATE IN 29 September 2011	TIME IN 5:16 pm	
DATE OUT 29 September 2011	TIME OUT 5:37 pm	
VEHICLE 027	ROLL OFF	
REFERENCE	ORIGIN Montesano/Grays Harbor	

1 Gross Weight 102,640.00 LB
 Tare Weight -41,780.00 LB
 Net Weight 60,860.00 LB 30.43 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.43	TN	67 [US] Contained in Contaminated Soil Inbound - SELF HAULER Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE *[Signature]*

RS-F04-4pt

1516376

RABANCO REGIONAL DISPOSAL
 P.O. BOX 338
 Roosevelt, WA 99356
 (506) 384-5641

012798 - 0002
 Environmental Partners
 Environmental Partners

Contract: LW-11351

SITE 01	TICKET 511084	GRID 000000
WEIGHMASTER JF00025 JANICE F		
DATE IN 30 September 2011	TIME IN 12:02 pm	
DATE OUT 30 September 2011	TIME OUT 12:24 pm	
VEHICLE 016	ROLL OFF	
REFERENCE	ORIGIN Montesano/Grays Harbor	

1 Gross Weight 102,480.00 LB
 Tare Weight 41,320.00 LB
 Net Weight 61,160.00 LB 30.58 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.58	TN	67 [US] Contained in Contaminated Soil Inbound - SELF HAULER Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



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DAI

RS-F04-4pt

1516378

RABANCO REGIONAL DISPOSAL
 P.O. BOX 338
 Roosevelt, WA 99356
 (509) 384-5641

012798 - 0002
 Environmental Partners
 Environmental Partners

Contract: LW-11351

SITE 01	TICKET 511085	GRID 000000
WEIGHMASTER JF00025 JANICE F		
DATE IN 30 September 2011	TIME IN 12:03 pm	
DATE OUT 30 September 2011	TIME OUT 12:26 pm	
VEHICLE 22	ROLL OFF	
REFERENCE	ORIGIN Montesano/Grays Harbor	

1 Gross Weight 95,560.00 LB
 Tare Weight 41,260.00 LB
 Net Weight 54,300.00 LB 27.15 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
27.15	TN	67 CUYD Contained in Contaminated Soil Inbound - SELF HAULER Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE _____

RS-F04-4pt



1516428

RABANCO REGIONAL DISPOSAL
 P.O. BOX 338
 Roosevelt, WA 99356
 (509) 384-5641

012798 - 0002
 Environmental Partners
 Environmental Partners

Contract: LW-11351

SITE 01	TICKET 511133	GRID 000000
WEIGHMASTER JF00025 JANICE F		
DATE IN 30 September 2011	TIME IN 1:11 pm	
DATE OUT 30 September 2011	TIME OUT 1:40 pm	
VEHICLE 28	ROLL OFF	
REFERENCE	ORIGIN Montesano/Grays Harbor	

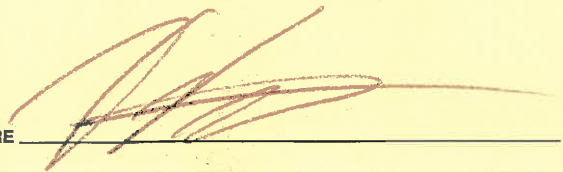
2 Gross Weight 101,080.00 LB
 Tare Weight 41,780.00 LB
 Net Weight 59,300.00 LB 29.65 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.65	TN	67 [US] Contained in Contaminated Soil Inbound - SELF HAULER Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE 

1516430

RABANCO REGIONAL DISPOSAL
 P.O. BOX 338
 Roosevelt, WA 99356
 (506) 384-5641

012798 - 0002
 Environmental Partners
 Environmental Partners

Contract: LW-11351

SITE 01	TICKET 511134	GRID 000000
WEIGHMASTER JF00025 JANICE F		
DATE IN 30 September 2011	TIME IN 1:18 pm	
DATE OUT 30 September 2011	TIME OUT 1:41 pm	
VEHICLE 0024	ROLL OFF	
REFERENCE	ORIGIN Montesano/Grays Harbor	

2 Gross Weight 106,760.00 LB
 Tare Weight 41,460.00 LB
 Net Weight 65,300.00 LB 32.65 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
32.65	TN	67 CUYD Contained in Contaminated Soil Inbound - SELF HAULER Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



Ken Pennington

SIGNATURE

RS-F04-4pt

1516437

RABANCO REGIONAL DISPOSAL
 P.O. BOX 338
 Roosevelt, WA 99356
 (506) 384-5641

012798 - 0002
 Environmental Partners
 Environmental Partners

Contract: LW-11351

SITE 01	TICKET 511140	GRID 000000
WEIGHMASTER JF00025 JANICE F		
DATE IN 30 September 2011	TIME IN 1:30 pm	
DATE OUT 30 September 2011	TIME OUT 1:48 pm	
VEHICLE 0020	ROLL OFF	
REFERENCE	ORIGIN Montesano/Grays Harbor	

2 Gross Weight 105,040.00 LB
 Tare Weight 40,420.00 LB
 Net Weight 64,620.00 LB 32.31 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
32.31	TN	67 [U5] Contained in Contaminated Soil Inbound - SELF HAULER Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE

[Handwritten Signature]

RS-F04-4pt

1516443

RABANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5641

012798 - 0002
Environmental Partners
Environmental Partners

Contract: LW-11351

SITE 01	TICKET 511145	GRID 000000
WEIGHMASTER JF00025 JANICE F		
DATE IN 30 September 2011	TIME IN 1:24 pm	
DATE OUT 30 September 2011	TIME OUT 1:54 pm	
VEHICLE 0011	ROLL OFF	
REFERENCE	ORIGIN Montesano/Grays Harbor	

2 Gross Weight 106,060.00 LB
Tare Weight 41,460.00 LB
Net Weight 64,600.00 LB 32.30 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
32.30	TN	67 CU57 Contained in Contaminated Soil Inbound - SELF HAULER Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



Dain K Beer

SIGNATURE

Appendix 17
Hazardous Waste PCE Soil Disposal Documentation



CHEMICAL WASTE MANAGEMENT OF THE NW

17629 Cedar Springs Lane
Arlington, OR 97812
(541) 454-2643
(541) 454-3279 Fax

WHITNEYS CHEVROLET
WAD027357243
123 PIONEER AVE
MONTESANO WA 98563

CERTIFICATE OF DISPOSAL

Chemical Waste Management of the Northwest, Inc., ORD089452353, has received the following waste material:

GENERATOR: WHITNEYS CHEVROLET
MANIFEST #: 003961167FLE
CWM TRACKING ID: 416132-01
PROFILE #: OR306281
LINE ITEM: 9b.1
QUANTITY: 2 CM
RECEIVED DATE: 11/16/11

DISPOSAL PROCESS(ES): LANDFILL
FINAL DISPOSAL LOCATION: LANDFILL 14
DISPOSAL DATE: 11/16/11

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste material was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Becky Sumner

CWMNW RECORDS DEPARTMENT

Date: 12/02/11



CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST
A WASTE MANAGEMENT COMPANY

17629 Cedar Springs Lane
Arlington, OR 97812
(541) 454-2643

November 4, 2011

WHITNEY'S CHEVROLET
123 PIONEER STREET
MONTESANO, WA 98563

RE: APPROVAL LETTER

ATTENTION: STORMY CLICK

We are pleased to confirm Waste Management's approval of your waste material as described in the profile listed below. Waste Management prepared a profile for the waste material based upon the information provided by you. It is important that no changes be made to the profile without Waste Management's consent. If the profile meets with your approval, then you are ready to schedule shipment of your waste.

Profile Number: OR306281

Approved Management Facility: CHEMICAL WASTE MANAGEMENT

Waste Name: *PCE SOIL*

Disposal Method: DIRECT LANDFILL

Approval Conditions:

NO FREE LIQUIDS.

SIGNED RCRA LDR FORM BOX D REQUIRED

Expiration Date: 10/11/2012

All waste coming to Chemical Waste Management must be scheduled twenty-four hours in advance with Greg Marrett. If you cannot reach Greg, you can contact our Customer Service Rep, Sue McAhren at 541-454-3215. Unscheduled loads may be delayed several hours or even rejected.

All waste coming to Alaska Street Ten Day Facility must be scheduled at least twenty-four hours in advance with Yemaya Evans. If you are not able to reach Yemaya, you can contact the scale house at 206-763-5025. Unscheduled loads may be delayed several hours or even rejected.

As required by 40 CFR 264.12(b), Waste Management is notifying you that this facility has the appropriate permit(s) for, and will accept, the waste you the generator is shipping.

Listed below are people you may contact in addition to your Sales Representative if you have any questions.

Greg Marrett: Scheduling & Transportation 541-454-3220

Yemaya Evans: Alaska St. Ten Day Facility 206-763-0590

Heidi Smith: Technical Service Center 503-528-0687

Linda Wimmer: Sales 206-384-5760

Troy Tyacke: Sales 360-507-6613

Mike Holzschuh: Sales 206-423-4955

Mark Krening: Sales 503-519-3959

Michael McQuarrie: Sales 360-913-4781

Ken Nystrom Sales 206-423-4018

Thank you,

Waste Management



HAZARDOUS WAM APPROVAL FORM

Requested Management Facility Chemical Waste Management (Hazardous Waste Facility)
Profile Number OR306281 Waste Approval Expiration Date 10/11/2012

APPROVAL DETAILS

Hazardous Classification: RCRA Hazardous Profile Renewal: Yes No

Management Method: Direct Landfill

Generator Name: Whitney's Chevrolet

Management Facility Precautions, Special Handling Procedures or Limitation approval:

- Generator must submit signed RCRA LDR (Phase IV) certifying their waste meets applicable treatment standards (Box D).
- No free liquids.
- Please indicate on the manifest if CD is required.
- Must be scheduled (call 541-454-3220)
- Donald Lavrinc [10/11/2011]: AMENDMENT APPROVED
- Donald Lavrinc [11/03/2011]: AMENDMENT APPROVED

WM Authorization Name: Donald Lavrinc Title: Waste Approval Manager

WM Authorization Signature:  Date: 10/11/2011

Agency Authorization (if Required): _____ Date: _____

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number W A D O 2 7 3 5 7 2 4 3	2. Page 1 of 1	3. Emergency Response Phone (800) 424-9300	4. Manifest Tracking Number 003961187 FLE	
5. Generator's Name and Mailing Address WHITNEYS CHEVROLET 173 PIONEER AVE MONTESANO WA 98663				Generator's Site Address (if different than mailing address)		
Generator's Phone: (206) 288-8010						
6. Transporter 1 Company Name MP ENVIRONMENTAL SERVICES INC.				U.S. EPA ID Number CAT000624247		
7. Transporter 2 Company Name N/A				U.S. EPA ID Number		
8. Designated Facility Name and Site Address CWMTW, INC. 17629 CEDAR SPRINGS LANE ARLINGTON OR 97812-9709				U.S. EPA ID Number ORD089452353		
Facility's Phone: (541) 454-2693						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
X	1. RQ UN3077 WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., III, (TETRACHLOROETHENE)		CM	42.3	P	FO01
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information 1: #OR3062B1; PCE SOIL; ERG# 171; (RQ=10LBS)						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name Sharon Glick Pres Whitneys				Signature [Signature]		Month Day Year 11 9 11
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name J Biernold				Signature [Signature]		Month Day Year 11 16 11
Transporter 2 Printed/Typed Name				Signature		Month Day Year
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number: _____						
18b. Alternate Facility (or Generator)				U.S. EPA ID Number		
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator)						Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name				Signature		Month Day Year

GENERATOR

INTL

TRANSPORTER

DESIGNATED FACILITY



March 23, 2012

Mr. Dom Reale, P.E.
Project Manager, Toxics Cleanup Program
Washington Department of Ecology
Southwestern Regional Office
300 Desmond Drive
Lacey, Washington 98503

Re: Response to Ecology Comments
Interim Action and Data Gap Investigation Report
Whitney's Chevrolet, Inc.
123 Pioneer Avenue
Montesano, Washington

EPI Project No. 51201.8

Dear Mr. Reale:

On behalf of Whitney's Chevrolet, Inc.; Caldwell Family Holdings, LLC; and Wynoochee Lodge #43 F&AM of Washington (collectively, the potentially liable persons; PLPs), Environmental Partners, Inc. (EPI) is pleased to submit the following responses to the Washington Department of Ecology's (Ecology) comments to the *Interim Action and Data Gap Investigation Report* (IADG Report) dated February 23, 2012. The PLPs would like to thank Ecology for its timely review of the IADG Report.

Ecology's comments to the IADG Report were provided during a telephone call between you and Mr. Thomas Morin of EPI on February 28, 2012. The substance of that telephone call was summarized later that day in an email from Mr. Morin. This response to comments letter provides the PLPs responses to Ecology's comments and provides page prints for inclusion into the IADG Report, making that report a final document.

Ecology requested responses to the following two comments:

1. *Page 13, Section 4.1 - 10th Paragraph; Please provide additional explanation regarding the basis for the opinion that petroleum hydrocarbons in soil samples from KBMW-12 are associated with releases on the Tony's Short Stop Site.*

The text has been modified accordingly. In Attachment A, please use the provided pages to replace pages 13 through 17 of the IADG Report.

The revised text now reads:

Impacts to soils in samples collected at KBMW-12 are most likely attributable to residual and inaccessible impacts at the limits of the Tony's Short Stop remedial excavation, and are not associated with any releases on the Whitney Property. EPI personnel were able to observe subsurface conditions while the remedial excavation was open. The Tony's Short Stop remedial excavation was stopped in the area of KBMW-12 due to access limitations and KBMW-12 was located about 5 feet north of the terminal excavation sidewall in that area. The soil impacts observed by EPI personnel were located between the current dispensers and the remedial excavation and extended beneath the building, at depths consistent with the visible contamination observed in the excavation sidewalls. No similar soil impacts were observed at any other wells located between the Whitney Property and KBMW-12. The proximity of KBMW-12 to the apparent residual impacts in soil on the Tony's Short Stop Site is a strong indication that the impacts observed in soil samples from KBMW-12 are attributable to the release on the Tony's Short Stop Site. Analytical results for remedial sidewall confirmation samples previously taken during the Tony's Short Stop Site interim action are not currently available to EPI.

2. *Page 41, Section 6.2.2. Please provide additional description of the nature and type of LNAPL observed at the Whitney Chevrolet Site.*

The text has been modified accordingly. In Attachment B to this letter, please use the provided pages to replace pages 41 through 48 of the IADG Report.

The revised text now reads:

The observed LNAPL is consistent in color and odor with a gasoline-type fuel. Ground water samples collected from these wells during previous sampling events when LNAPL was not present detected elevated concentrations of dissolved-phase hydrocarbons in the gasoline-range and the expected accompanying aromatic fuel hydrocarbons (benzene, toluene, ethylbenzene, total xylenes). No sources of diesel-range or Stoddard-range LNAPL have been identified at the Site. Based upon these findings and observations no additional characterization of the LNAPL was performed.

The PLPs and EPI appreciated Ecology's consideration of this response to comments and Ecology's.

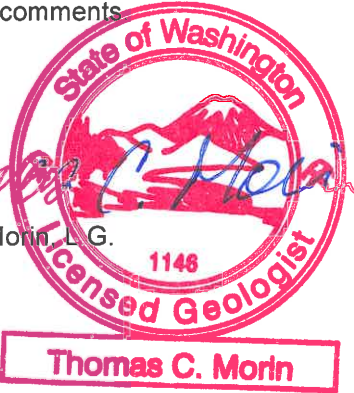
Based upon our discussions with Ecology it is our understanding that with the submittal of the *Draft Remedial Investigation Report* (RI Report) dated March 24, 2010 and subsequent responses to comments; the IADG Report; and the responses contained herein; that the requirements of the Remedial Investigation tasks stipulated within Agreed Order No. 2591 have been satisfied. The PLPs respectfully request that Ecology provide a written opinion to that effect for inclusion in the administrative record for the Whitney Chevrolet Site.

Thank you in advance for your attention to this matter. Please contact me directly if you have any questions or comments.

Sincerely,



Thomas C. Morin, L.G.
Principal



Encl.

cc: Mr. Clark Davis; Davis Law Office, PLLC

Enc.

Attachment A – Page print in response to Comment No. 1
Attachment B – Page print in response to Comment No. 2

QR TM

TR TM

Attachment A

4.1 Data Gap 1

Data Gap 1 involves assessing the extent to which the downgradient extent of the dissolved-phase petroleum hydrocarbon plume originating on the Whitney Chevrolet Site may be commingled with the upgradient extent of the hydrocarbon plume originating on the Tony's Short Stop Site. As part of the characterization of the maximum downgradient extent of the Whitney plume, two ground water monitoring wells, KBMW-11 and KBMW-12, were installed on the Tony's Short Stop property (Figure 2). The wells were installed as described in Section 3.1.1.

Two soil samples (four total) were collected during the installation of the monitoring wells. The samples with the highest PID readings, or at locations where impacts were considered most likely, were collected for laboratory analysis. A summary of the soil sample analytical results is presented in Table 3. Copies of the laboratory reports are provided in Appendix 3.

No COCs were detected in the two samples collected at well KBMW-11 at concentrations exceeding method detection limits.

COCs were detected in the two soil samples collected at KBMW-12. Well KBMW-12 is located immediately adjacent to a previous remedial excavation on the Tony's Short Stop Site. The well is within 10 feet of the terminal northern limit of the remedial excavation and immediately east of the current fuel dispenser islands. The samples from the KBMW-12 well boring were collected at depths of 10 and 15 feet below grade and contained detectable concentrations of GRPH, benzene, toluene, ethylbenzene and total xylenes.

GRPH were detected at concentrations of 4,220 milligrams/kilogram (mg/kg) and 3,400 mg/kg at 10 and 15 feet bgs, respectively. The MTCA Method A Soil CUL for GRPH is 30 mg/kg when benzene is present.

Benzene was detected at concentrations of 8.58 mg/kg and 1.75 mg/kg at 10 and 15 feet bgs, respectively. The MTCA Method A CUL for benzene is 0.03 mg/kg.

Toluene was detected at concentrations of 488 mg/kg and 13.6 mg/kg at 10 and 15 feet bgs, respectively. The MTCA Method A CUL for toluene is 7 mg/kg.

Ethylbenzene was detected at concentrations of 282 mg/kg and 96.8 mg/kg at 10 and 15 feet bgs, respectively. The MTCA Method A Soil CUL is 6 mg/kg.

Total xylenes were detected at concentrations of 1,320 mg/kg and 331 mg/kg at 10 and 15 feet bgs, respectively. The MTCA Method A CUL for toluene is 7 mg/kg.

Impacts to soils in samples collected at KBMW-12 are most likely attributable to residual and inaccessible impacts at the limits of the Tony Short Stop remedial excavation, and are not associated with any releases on the Whitney Property. EPI personnel were able to observe subsurface conditions while the remedial excavation was open. The Tony's Short Stop remedial excavation was stopped in

the area of KBMW-12 due to access limitations and KBMW-12 was located about 5 feet north of the terminal excavation sidewall in that area. The soil impacts observed by EPI personnel were located between the current dispensers and the remedial excavation and extended beneath the building, at depths consistent with the visible contamination observed in the excavation sidewalls. No similar soil impacts were observed at any other wells located between the Whitney Property and KBMW-12. The proximity of KBMW-12 to the apparent residual impacts in soil on the Tony's Short Stop Site is a strong indication that the impacts observed in soil samples from KBMW-12 are attributable to the release on the Tony's Short Stop Site. Analytical results for remedial sidewall confirmation samples previously taken during the Tony's Short Stop Site interim action are not currently available to EPI.

Ground water samples were collected from each of the newly installed monitoring wells as a component of the Site-wide ground water monitoring program. The results of the ground water monitoring are discussed in Section 6.0 and are incorporated into the Conceptual Site Model (CSM) and conclusions of this report.

4.2 Data Gap 2

Data Gap 2 involved addressing Ecology's directive to evaluate GRPH as a COC in air using *MTCATPH11.1* as a component of the data gaps investigation. EPI previously evaluated all other volatile compounds detected at the site as potential COCs in air during the previously completed RI.

During reinstallation of MW-1 (see Section 5.1.4) and field work for Data Gap 3 (see Section 4.3), EPI collected two samples of contaminated soil encountered during advancement of soil borings MW-1R and WCMW-9 (WC-MW-1R:16.5 and WC-MW-8:9, respectively). Each sample was analyzed for volatile petroleum hydrocarbons (VPH) using the Northwest Volatile Petroleum Hydrocarbons (NWVPH) analytical methods. The analytical results are summarized in Table 5. Copies of the original laboratory reports are contained in Appendix 3.

The results of the VPH analysis for each soil sample were evaluated using Ecology's *MTCATPH11.1* three-phase model to determine a site-specific soil concentration that is predicted to be protective of indoor air quality. Using this model, a GRPH concentration of 0.05 mg/kg was calculated for sample WC-MW-1R:16.5 and 0.06 mg/kg for sample WC-MW-8:9. Both of the calculated concentrations are below the practical quantitation limit (PQL) of the NWTPH-Gx analytical method of 10 mg/kg.

For the following reasons, the *MTCATPH11.1* model is not an appropriate evaluation tool for the Site:

1. The *MTCATPH11.1* model for calculating a GRPH soil concentration protective of air quality is overly conservative for potential exposures at the Property. This model is only available for MTCA Method B, which is based on an unrestricted land use scenario (*i.e.*, residential). Such an exposure scenario includes infant exposures and exposure duration of 1.0 (*i.e.*, 24 hours/day, 7 days/week, 365 days/year). Such exposures are unrealistic for the subject property use and the surrounding land use, which is non-residential. Moreover, the site use includes occupational exposures (*i.e.*, automotive repair) that are likely significantly higher than would be experienced through any form of vapor migration. In conversations with Mr. Hun

Seak Park of Ecology, it was indicated that the *MTCATPH11.1* model does not include inputs for considering a commercial or industrial exposure scenario or adjusting the reasonable maximum exposure (RME) as allowed under MTCA. Since the Property usage is clearly commercial, using a model that is limited to residential scenarios is not appropriate.

2. The *MTCATPH11.1* model provides a GRPH concentration protective of indoor air quality that is similar to that provided for benzene during similar evaluations and is very near to the MTCA Method A Soil CUL for benzene of 0.03 mg/kg. Whereas benzene is a known human carcinogen and may warrant such a low concentration, there are no other known or documented carcinogens within gasoline other than benzene. A value of 0.06 mg/kg for protection of indoor air by GRPH as provided by the *MTCATPH11.1* appears to be unrealistic and overly conservative.
3. Very little soil contamination remains at the Site. The IAs have served to remove the vast majority of GRPH-impacted soil and only minor amounts of such impacts remain. There is not a large or widespread area of GRPH impacted soil beneath the Site that can act as a source of GRPH vapors to indoor air. Predictive modeling of vapor intrusion assumes a source of impacted soil throughout the area beneath the potential receptor. Predictive vapor intrusion modeling does not account for the effects of lateral dispersion or intermittent source strength beneath the potential receptor.
4. According to Ecology's October 2009 DRAFT *Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action* (Draft VI Guidance), vapor attenuation factors (VAFs) used in the *MTCATPH11.1* model assume a 'worse case condition' (Publication no. 09-09-047, page 3-6). Worse case conditions are likely overly conservative and will drive protective concentrations lower than are necessary to protect actual exposures.

Based on the rationale and reasons stated above, the *MTCATPH11.1* model does not appear to be an appropriate tool to evaluate or predict actual risk to current, and potential future indoor air exposures at the Site from residual GRPH impacts to soil. As indicated in the Draft RI report actual Site risks based on site-specific exposures and appropriate cleanup levels for all media will be evaluated during the Feasibility Study process.

4.3 Data Gap 3

Data Gap 3 involved evaluating the potential upgradient extent of the dissolved-phase hydrocarbon plume to the west and northwest of the Whitney Chevrolet facility. As part of the Site characterization, three additional ground water monitoring wells, WCMW-7, WCMW-8, and WCMW-9, were installed in South First Street and West Pioneer Avenue (Figure 2). An additional ground water monitoring well, WCMW-10, was installed on the north side of West Pioneer Avenue to determine if there were any impacts from the former Whitney's Chevrolet Auto Body Repair Shop building. These locations are hydraulically upgradient of the Whitney Chevrolet facility and upgradient of the USTs removed during the IAs.

Two soil samples (eight total) were collected during the installation of each monitoring well. The samples with the highest PID readings, or at locations where impacts were considered most likely, were collected and analyzed for COCs. The sampling intervals were the same for all borings, with samples from 9 and 14 feet bgs retained for laboratory analysis. A summary of the soil sample analytical results is presented in Table 3. Copies of the laboratory reports are provided in Appendix 3.

Only GRPH and benzene were detected at a concentration exceeding a MTCA Method A CUL and only those samples from the 9-foot bgs sample interval contained concentrations exceeding a CUL. No compounds were detected in samples from WCMW-9 at a concentration exceeding a CUL.

GRPH were detected at concentrations ranging from 11 mg/kg to 300 mg/kg. Only those concentrations from the 9 foot bgs sample interval exceeded the MTCA Method A CUL of 30 mg/kg when benzene is present.

Benzene was detected at concentrations of 0.052 mg/kg and 0.059 mg/kg in the 9-foot samples from WCMW-8 and WCMW-10, respectively. These compounds only slightly exceed the MTCA Method A CUL of 0.03 mg/kg. Benzene was not detected in any other samples at a concentration exceeding the method detection limit of 0.02 mg/kg.

No other compounds were detected in soil samples from WCMW-7 through WCMW-10 at a concentration exceeding a MTCA Method A CUL.

Monitoring well WCMW-9 is the most upgradient of the wells installed for Data Gap 3. Neither of the soil samples from this well boring contained any analytes at a concentration exceeding a MTCA Method A CUL.

4.4 Data Gap 4

Data Gap 4 involves the identification of potential off-property and up-gradient contributions of PCE to the on-Site dissolved ground water impacts. The four wells installed for Data Gap 3 were sampled for PCE as part of the site-wide ground water sampling event. The analytical results for these samples are summarized in Table 4.

PCE was detected in samples from wells WCMW-7, WCMW-8, and WCMW-9 at concentrations ranging from 1.3 micrograms/Liter ($\mu\text{g/L}$) to 2.1 $\mu\text{g/L}$. None of the detected concentrations exceeded the MTCA Method A ground water CUL of 5.0 $\mu\text{g/L}$.

The maximum observed concentration in these upgradient wells was about 10 times less than maximum concentration for an on-Property well (i.e., WCMW-4; 21.1 $\mu\text{g/L}$) collected during the same sampling event. The current data indicate that there is not a significant off-property contribution of PCE to the Whitney Chevrolet Site. Future monitoring events from these wells will confirm this finding.

This finding also indicates that vapor intrusion of PCE to off-property structures is not a significant concern. Off-property PCE concentrations comply with MTCA Method A ground water CULs and such concentrations will decrease with distance from the property.

The ground water analytical results for the samples collected from these wells are discussed further as part of the overall ground water plume in Section 6.0, Ground Water Monitoring Findings.

4.5 Data Gap 5

Data Gap 5 involves an evaluation of potential vapor intrusion into the off-Site and hydraulically upgradient Post Office Building located west of the Whitney Chevrolet Site. This evaluation was to be performed using existing soil gas data collecting during the RI. Soil gas samples had previously been collected during the RI from a depth of 8 feet from three locations near the Post Office. These samples had been analyzed for VOCs. Using these prior analytical results the J&E Model was used to calculate the incremental increased risk based on vapor intrusion.

The MTCA Method B Indoor Air CUL was used as a screening level. Compounds that were detected in soil gas at concentrations above the MTCA Method B Indoor Air were evaluated for potential vapor intrusion risks. The compounds that exceeded indoor air CULs in soil gas were benzene, ethylbenzene, total xylenes (as ortho-xylene), naphthalene, PCE, tert-butyl benzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylebenzene. In addition to the compound concentration and sample depth the following input parameters were used in the J&E model:

- Soil type – loam
- Soil temperature – 10°C (default)
- Average exposure times (default)
 - Carcinogens – 70 years
 - Non-carcinogens – 30 years
- Exposure duration – 30 years (default)
- Exposure frequency – 235 days per year (assumes a 5-day work week, 10 days of vacation, and 15 holidays per year)

The results of the J&E modeling are summarized in Table 6. Predicted increased cancer risks ranged from 3.9×10^{-9} to 3.4×10^{-8} . These values are substantially less than the 1.0×10^{-6} excess cancer risk allowed for a single compound under MTCA. Predicted non-carcinogenic Hazard Quotients (HQs) ranged from 5×10^{-7} to 1.6×10^{-3} . An HQ of 1 is allowed under MTCA.

These findings indicate that Site conditions do not pose an unacceptable threat of vapor intrusion to the Post Office Building.

Attachment B

The observed LNAPL is consistent in color and odor with a gasoline-type fuel. Ground water samples collected from these wells during previous sampling events when LNAPL was not present, detected elevated concentrations of dissolved-phase hydrocarbons in the gasoline-range and the expected accompanying aromatic fuel hydrocarbons (benzene, toluene, ethylbenzene, total xylenes). No sources of diesel-range or Stoddard-range LNAPL have been identified at the Site. Based upon these findings and observations, no additional characterization of the LNAPL was performed.

Monitoring well KBMW-2 was noted by Ecology to have contained measureable LNAPL in the past, but this was the first sampling event by EPI that identified LNAPL in any monitoring wells. The distribution of observed LNAPL is discontinuous and intermittent. For example, wells WCMW-2 and KBMW-4 are separated by wells WCMW-3 and WCMW-4 which do not contain LNAPL and the thickest LNAPL accumulation is in the most distal well (KBMW-9) from the assumed source property. Given the apparent lack of other sources of gasoline fuel release between the northwest corner of the Site and KBMW-9, the distribution of LNAPL suggests an early historic release of gasoline fuel and subsequent downgradient migration of the accumulated LNAPL. The current intermittent occurrence of LNAPL is likely associated with specific piezometric conditions and vertical drainage of separate phase hydrocarbons from saturated soils during periods of low water table elevations. It is believed that the LNAPL distribution is currently static. Ongoing ground water monitoring will assess the seasonal occurrence and lateral stability of the observed LNAPL.

A total of 24 ground water samples, three duplicate samples, and two trip blanks were collected and submitted to Libby Environmental, Inc. for analysis of COCs using the analytical methods listed in Section 3.4. All analytical results are summarized in Table 4, and the final laboratory analytical results are provided in Appendix 4.

Due to the volume of data, the analytical results are discussed in the context of their spatial distribution at the Site rather than as a well-by-well, concentration-by-concentration narrative. Such a narrative is not as enlightening as a discussion of the overall distribution of the impacts.

Figure 13 presents the locations of each of the monitoring wells sampled during the IA and the results for compounds detected during the December 2009, January 2010, and November 2011 sampling events.

The analytical data indicate that six COCs were detected in the ground water during the November 2011 sampling event at the following range of detected concentrations:

- GRPH ranged from 315 µg/L to 37,800 µg/L;
- Benzene ranged from 2.4 µg/L to 394 µg/L;
- Toluene ranged from 1.2 µg/L to 2,980 µg/L;
- Ethylbenzene ranged from 2.6 µg/L to 1,760 µg/L;
- Total Xylenes ranged from 30.2 µg/L to 8,810 µg/L; and
- PCE ranged from 1.2 µg/L to 21.1 µg/L.

It should be noted that for the purposes of this report monitoring well KBMW-12 is considered to be representative of ground water quality primarily associated with the known release on the Tony's Short Stop Site, which has consistently shown the highest levels of petroleum hydrocarbon impacts to groundwater in downtown Montesano. This well is located immediately north of and adjacent to the interim action excavation on the Tony's Short Stop Site, and analysis of soil samples collected during installation of that well indicated the presence of elevated concentrations of COCs. Moreover, the concentrations of COCs observed in KBMW-12 are significantly higher than wells immediately upgradient of KBMW-12.

Figures 14, 15, and 16 present isoconcentration contours for GRPH, benzene, and PCE in ground water at the Site and illustrate the estimated extent of the contaminant plumes exceeding MTCA Method A Ground Water Cleanup Levels originating from the Whitney Chevrolet Site. It is acknowledged that there may be some commingling of contaminants originating from the Whitney Chevrolet Site with contaminants originating on the Tony's Short Stop Site. However, the data illustrate that such commingling is minor. Moreover, it is important to note that when the dissolved-phase plume from the Whitney Site is defined as the extent of COCs at concentrations exceeding a MTCE Method A Ground Water CUL the plume does not currently extend onto the Tony's Short Stop property.

Figure 14 presents interpreted LNAPL and dissolved-phase GRPH isoconcentration contours for the October/November 2011 sampling event. The interpreted extent of LNAPL is presented and the outermost isoconcentration contour equates to the MTCA Method A Ground Water CUL for GRPH of 800 µg/L. The lateral extent of the dissolved-phase GRPH plume is well characterized at the 800 µg/L cleanup level. This concentration distribution indicates that the dissolved-phase plume is relatively narrow and that the extent of observed LNAPL is discontinuous. It is also clear that concentrations attenuate quickly with distance from the most downgradient LNAPL (i.e., KBMW-9). GRPH impacts on the Tony's Short Stop Site that are likely associated with the Whitney Chevrolet Site (i.e., TSSMW-7 at 315 µg/L) are below the MTCA Method A Ground Water CUL.

Figure 15 presents interpreted dissolved-phase benzene isoconcentration contours for the October/November 2011 sampling event. The outermost benzene isoconcentration contour equates to the MTCA Method A Ground Water cleanup level of 5 µg/L. The dissolved-phase benzene plume is coincident with the dissolved-phase GRPH plume. As with the dissolved-phase GRPH plume the benzene impacts attenuate rapidly with distance downgradient from the LNAPL and do not appear to extend on to the Tony's Short Stop Property at a concentration exceeding the MTCA Method A Ground Water CUL.

Figure 16 presents interpreted dissolved-phase PCE isoconcentration contours for the October/November 2011 sampling event. The outermost isoconcentration contour equates to the MTCA Method A Ground Water CUL of 5 µg/L. The dissolved-phase PCE plume is less extensive than, and fully contained within, the GRPH or benzene plumes.

There does not appear to be a significant source of PCE contribution to the Whitney Chevrolet Site upgradient of the Site. Concentrations to the west and northwest of the Site are generally low level and below the applicable cleanup level. These concentrations are also substantially upgradient of the Site

and are not coincident with hydrocarbon impacts. Since PCE is not a naturally occurring compound this cannot be indicative of a background condition. While not at concentrations exceeding a MTCA Method A CUL, the off-property PCE impacts to ground water do suggest the presence of an upgradient source of PCE release to ground water at some undetermined distance and location to the west and northwest of the Site. Future remediation at the Whitney Chevrolet Site will address impacts originating from the Site but cannot address any upgradient sources of PCE that may or may not be present.

6.3 Disposal of IDW

A total of ten 55-gallon drums of IDW water were generated during the well sampling and purging activities of the newly installed wells. The water was disposed of as PCE impacted hazardous waste along with the development water generated during the well installation activities as described in Section 4.7 of this report.

7.0 CONCEPTUAL SITE MODEL

The conceptual site model (CSM) is based on the full body of data available for the Whitney's Chevrolet Site and identifies plausible human and ecologic exposure pathways resulting from on-Site releases to the environment. In support of this CSM, Figure 17 illustrates an interpretive cross section oriented northwest to southeast along the axis of ground water migration through the core of the dissolved-phase plume.

The CSM contains the following elements:

- The COCs are those commonly associated with hydrocarbon fuels and vehicle maintenance activities. The COCs for soil, ground water, and indoor air are presented in Section 1.4.
- The concentrations of COCs in soil and ground water at the Site are the result of historic releases from out-of-service USTs and potentially from vehicle service related activities. All known USTs at the Site and all accessible impacted soils have been removed.
- After completion of the IAs only limited soil contamination remains at the Site. Any remaining impacts to soil at concentrations above CULs are both inaccessible and fully covered with buildings, concrete, or asphalt pavement.
- The environmental media where concentrations of COCs have been detected include soil, ground water and indoor air.
- The probable transport mechanisms for the migration of COCs include desorption from soil to ground water, dissolution from LNAPL to ground water, migration and dispersion of dissolved-phase COCs in ground water, and volatilization from soil and ground water to soil gas and indoor air.

- Indoor air has been evaluated with an analytical model for vapor intrusion and indoor air sampling. Only minor exceedances of MTCA Indoor Air Cleanup Levels were identified for benzene and ethylene dichloride (EDC). The potential for those impacts to adversely affect human appears highly limited. The cleanup levels provided within the guidance are based upon residential exposures and include juvenile exposures, neither of which is present at the Site and are not reasonably expected at the site in the future. Site-specific cleanup levels for indoor air will be developed during the Feasibility Study process.
- There are no impacts to surface water or sediment. The limits of the Site are well defined and do not extent to any surface water bodies. The potential for preferential pathways (i.e., sewer lines) has been explored during the RI and has been ruled out as a contributing factor.
- The Site is fully capped and located within the urban core of Montesano. There are no potential ecological exposures to the Site COCs.
- Measurable LNAPL was present in ground water at the core of the dissolved-phase plume in November 2011. The presence of LNAPL appears to be intermittent and is likely related to specific hydrogeologic conditions that allow the accumulation of LNAPL. This finding suggests that an unknown mass of gasoline hydrocarbons is present within the core of the plume at concentrations near residual saturation. Depending upon the elevation of the seasonally fluctuating water table, some of these residual hydrocarbons may be exposed and drain, forming localized pockets of LNAPL during low water table conditions. Ongoing ground water monitoring will assess this condition.
- Dissolution of petroleum hydrocarbons (e.g., GRPH and benzene) from smear zone soils and LNAPL represent a continuing source of dissolved-phase contaminants to ground water.
- The extent of the LNAPL and dissolved-phase plumes are well characterized and sufficient monitoring capacity exists to adequately assess temporal changes in ground water quality and changes in the extent of the dissolved-phase plume. Figures 14 and 15 depict the current extent of the Site, when defined as the maximum extent of GRPH and benzene impacts to ground water exceeding CULs.
- There does not appear to be extensive commingling between the COCs originating on the Whitney Chevrolet Site with those originating on the Tony's Short Stop Site. It is acknowledged that some detectable concentrations of COCs originating from the Site may have migrated beyond the western, upgradient boundary of the Tony's Short Stop Site, but these impacts do not appear to have exceeded applicable cleanup levels as of late 2011, and are well below levels observed to be originating from Tony's Short Stop Site sources. Any commingling of

contaminants appears to be minor, and remediation of the Whitney Chevrolet Site sources will serve to address any potential impacts to the Tony's Short Stop Site.

- Current and future land use at the Site will be limited to commercial uses and there is no realistic potential for ground floor residential development in the area of the Site. Such land uses are currently not allowed under current City of Montesano zoning or within the Master Plan for the downtown core.
- Ground water at the Site is not used for drinking water. The City of Montesano is served by municipal drinking water and current City codes restrict the installation of drinking water wells in the area of the Site. The potential for the on-Site ground water to be used for potable purposes appears very limited.
- Under current and future land uses the potential pathways for exposure to on-Site COCs include direct contact with soil by construction workers and air inhalation for a commercial worker scenario. The depth to ground water is greater than 15 feet and precludes the potential for direct contact for ground water exposure. Residual soil impacts are deeper than 6 feet below grade and are capped with asphalt and concrete within an urban setting which precludes the potential for terrestrial ecological exposures.

8.0 CONCLUSIONS

The following conclusions are supported by the actions and findings of the data gaps investigation and the IA's performed at the Site. The conclusions are grouped based upon the findings of the data gaps investigation, the interim actions, and ground water investigations at the Site.

Conclusions supported by the findings of the Data Gaps Investigation include the following:

- Data Gap 1 – The hydraulically downgradient extent of the dissolved-phase plume originating on the Whitney Chevrolet property is currently well characterized. The dissolved-phase plume as defined by the extent of COCs at concentrations exceeding MTCA Method A Ground Water CULs appears to end at the western boundary of the Tony's Short Stop property. While some degree of commingling of the two plumes may exist at lower concentrations, any such commingling is not extensive.
- Data Gap 2 – The *MTCATHP11.1* model does not appear to be an appropriate evaluation tool to predict actual risk to current, and potential future, indoor air exposures at the Site resulting from residual concentrations of GRPH in soil. Residual GRPH in soil at the Site is not extensive and other compounds at the Site present a greater risk of vapor intrusion than do GRPH. Vapor intrusion risks at the Site are best addressed through remediation of the LNAPL and dissolved-phase contaminant plumes.

- Data Gap 3 – The upgradient extent of the dissolved-phase plume is currently well-characterized and no further characterization of the western and northern extent of the Site is required.
- Data Gap 4 – The newly installed monitoring wells at the upgradient edge of the Site indicate that ground water in this area does not contain PCE at concentrations exceeding the MTCA CUL.
- Data Gap 5 – The Site does not appear to pose an unacceptable vapor intrusion risk to the Post Office. J&E modeling predicts only inconsequential potential risks to the Post Office and indoor air sampling of the Post Office building is not warranted based on Site conditions.
- Data Gap 6 – The former Whitney's Chevrolet Auto Body Repair Shop historically located on the north side of West Pioneer Avenue was not a contributor of COCs to the Whitney's Chevrolet Site.

Conclusions supported by the findings of the Interim Actions include the following:

- Work Area 1 – The majority of the impacted soils adjacent to the three USTs in Work Area 1 were successfully removed. Limited volumes of impacted soils with COC concentrations greater than the MTCA Method A Soil CUL remain in the west and east sidewalls of the excavation. The remaining impacts were inaccessible due to the presence of improvements (i.e., City of Montesano water lines) and buildings. The residual impacts are present in a limited depth horizon and concentrations are expected to decrease with distance from the former USTs. All residual impacted soils are covered with asphalt, concrete or buildings.

Ground water in Work Area 1 is impacted with COCs at concentrations exceeding MTCA CULs. The majority of the bottom of the excavation area remains impacted with petroleum hydrocarbons and these impacts are at and below the water table. The impacts at the water table are relatively thin (i.e., < 5 feet) and likely represent a historic smear zone. The residual impacts in soil below the water table represent a source of petroleum hydrocarbon dissolution to ground water.

Low concentrations of PCE were detected in soil in Work Area 1 during the remedial excavation. The source of PCE impacts to these soils is unknown. The detected concentrations were not laterally contiguous and the distribution of the detected concentrations did not suggest either an area wide or localized source. In all cases, the PCE impacts were removed and the MTCA Method A CUL was attained throughout the remedial excavation.

- Work Area 2 – The remedial excavation at Work Area 2 achieved cleanup levels throughout the lateral limits of the excavation. Deeper soil impacts in Work Area 2 may be associated with

releases from the adjacent Work Area 1 and UST-1, UST-2, and UST-3. UST-4 was noted to have numerous holes. If UST-4 was historically used for gasoline storage prior to the more recent waste oil storage, it may have been a contributor to the ground water impacts at the Site.

- Work Area 3 – Residual ORPH impacts remain in Work Area 3 and were not accessible due to structural support of the building, limited access, and the maximum reach of remedial equipment. ORPH impacts to soil in Work Area 3 do not appear to have impacted ground water.
- Work Area 4 – No apparent impacts were encountered below the UST. There was no evidence of leakage from this UST, and this area is not considered a contributor to ground water impacts at the Site.

Conclusions supported by the findings of ground water sampling include the following:

- The dissolved-phase petroleum hydrocarbon plume is relatively narrow and well constrained within the Site. The lateral limits of the plume are well characterized by the current monitoring well network and additional monitoring well installation is not required. The wells are appropriately positioned to monitor changes in ground water quality in response to the interim actions and potential future remedial actions.
- LNAPL is intermittently observed within the core of the dissolved-phase plume. LNAPL likely accumulates under specific hydrogeologic conditions at different times of the year. The LNAPL accumulation during the October-November 2011 sampling was observed during a relatively low water level period as water levels were beginning to rise in the fall. The LNAPL is believed to be from limited vertical drainage of residual LNAPL from within the smear zone. This LNAPL is believed to be generally laterally immobile. Future ground water monitoring events will assess the temporal occurrence of LNAPL at the Site.
- The likely source of petroleum hydrocarbon releases at the Site is the former USTs in Work Area 1. This area was substantially impacted and the USTs showed evidence of overfilling with soil contamination extending from the base of the USTs to the water table. The fill and vent pipes and dispensers had been previously removed and it was not possible to assess modes of release associated with those appurtenances.
- The distribution of dissolved-phase petroleum impacts and LNAPL suggests that the primary releases from the USTs were historic. LNAPL and the core of the dissolved-phase impacts appear to have subsequently migrated downgradient to the southeast from a source area(s) in the northwestern portion of the Site. At present it is believed that the LNAPL accumulates only under specific and intermittent hydrogeologic conditions and that the extent of LNAPL is generally static.

- PCE impacts to ground water are roughly coincident with GRPH and benzene impacts.
- Ongoing ground water monitoring will serve to assess improvements in ground water quality that may result from the Interim Actions and removal of the source material. The next ground water sampling event will be performed in early February 2012.

9.0 LIMITATIONS

To the extent that preparation of this IA report has required the application of best professional judgment and the application of scientific principles, certain results of this work have been based on subjective interpretation. We make no warranties express or implied, including and without limitation, warranties as to merchantability or fitness for a particular purpose. The information provided in this IA report is not to be construed as legal advice.

This IA report was prepared solely for Whitney's Chevrolet, Inc., Caldwell Family Holdings, LLC, and Wynoochee Lodge #43 F&AM of Washington, and the contents herein may not be used or relied upon by any other person without the express written consent and authorization of Environmental Partners, Inc.

10.0 REFERENCES

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