

Stanwood / Rep W

SITE ASSESSMENT REPORT

Former Standard Oil Service Station No. 30-5192
9816 271st Street NW
Stanwood, Washington

May 5, 2006

Prepared for:



Chevron Environmental Management Company
6001 Bollinger Canyon Road, K2252
San Ramon, CA 94583

Prepared by:



Science Applications International Corporation
18912 North Creek Parkway, Suite 101
Bothell, WA 98011

SW-05-010

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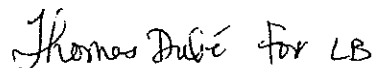
Prepared for:

Chevron Corporation
6001 Bollinger Canyon Rd., Room K2252
San Ramon, CA 94583-2324

May 5, 2006



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Limitation of use: Science Applications International Corporation's (SAIC) investigation was restricted to collection and analyses of a limited number of environmental samples and visual observations obtained during the physical site visit, and from records made available by Chevron Corporation during the investigation. Because the investigation consisted of collecting and evaluating a limited supply of information, SAIC may not have identified all potential items of concern and, therefore, SAIC warrants only that the project activities under this contract have been performed within the parameters and scope communicated by Chevron Corporation and reflected in the contract. This report is intended to be used in its entirety. Taking or in any way using excerpts from this report is not permitted; any party doing so does so at its own risk.

1.0 INTRODUCTION

The purpose of this site assessment was to further define the nature and extent of petroleum hydrocarbons present in soil and groundwater at the subject property and immediately adjacent to the property's southern border, and to gather necessary data to support the development of future cleanup actions. Tasks performed during this investigation were conducted by Science Applications International Corporation (SAIC) on behalf of Chevron Environmental Management Company (Chevron). This report has been developed in partial fulfillment of the requirements stated in the Washington State Department of Ecology (WDOE) Model Toxics Control Act (MTCA) WAC 173-340-350 [7].

2.0 PROJECT BACKGROUND

2.1 SITE DESCRIPTION

The property (9816 271st Street NW Stanwood, Washington) is located in the SE quarter of Section 24, Range 03 E, in Township 32 N within an area of primarily residential/commercial land uses. Surrounding the property is Pearson Street to the north, the intersection of 271st Street NW, Pearson Street and Main Street to the east, Main Street to the southeast, an alleyway to the south and a vacant residential building to the west (**Figure 1**). The property is currently vacant and enclosed by a chain-link fence. Within the fenced boundaries are partially intact concrete and asphalt surfaces along with rubble comprised of cement and building debris remaining from demolition of a former building. The property owner has indicated a desire to redevelop the lot and construct a single or two-story commercial office building upon it potentially beginning in the fall of 2006.

2.2 FACILITY HISTORY

A Standard Oil service station was operated on the property from approximately 1958 to at least 1970. The first known title record for the subject property begins in 1924 with a sale from the Lien family to J. Norin Hafstad who, in 1939, sold the property to Mr. Ed Peterson and his wife. In 1958, Standard Oil Company of California (now Chevron Corporation) obtained a lease on the property. Standard Oil's lease expired in 1970 after which ownership of the parcel passed through the possession of several more parties. In 1984, the portion of the property within the south-bounding alleyway was sold to the City of Stanwood and in 1998 the remaining portion of the parcel became the property of the current owners.

A review of the 1941 Sanborn Map reveals that by 1941 the property had been developed into a single-story filling station. Visual evidence suggests at least two underground storage tanks (USTs) were located in the northeast portion of the property at that time. A greasing facility was

located in the eastern portion of the former station structure with a store in the western section. Historical records show the property had been a service station prior to the Standard Oil 1958 lease.

A search of public records provided limited information on the former Standard Oil station aside from the location, age of the structure and the service station footprint. A recent UST removal and physical inspection of the immediate area surrounding the property revealed the following information:

- Two additional USTs located in the alleyway south of the property. The tanks appear to be full of petroleum product or a mix of petroleum and water; these USTs may have been connected to the former dispenser island located in the northeast corner of the property;
- Additional USTs are located in the southwest corner of the property and possible hydraulic hoist components beneath the former station building.

See **Figure 2** for the locations of known and suspected station improvements.

3.0 PREVIOUS INVESTIGATIONS

In December 2005, Pinnacle Geosciences, on behalf of the property owner, collected soil samples during the decommissioning and removal of three USTs located adjacent to the south central portion of the property. Glacier Environmental Services, Inc., under contract to the property owner, performed the removal activities while Pinnacle collected soil samples from the bottom and sidewalls of the excavation. Soil samples were also collected from areas beneath the former product piping, dispenser islands and from the stockpiles.

Sample results indicated that soils from the bottom and side-walls of the excavation, beneath the product lines and from the stockpiles contained gasoline- and heavy oil-range petroleum hydrocarbons, benzene, toluene, ethyl benzene and xylenes (BTEX Compounds) at concentrations exceeding the WDOE MTCA Method A cleanup levels. One of the 14 soil samples collected also contained lead at a concentration exceeding the MTCA Method A cleanup level. One of the three stockpile samples collected also contained diesel-range petroleum hydrocarbons at a concentration exceeding the MTCA Method A cleanup level.

4.0 PROJECT METHODOLOGY

The investigation activities conducted were generally defined in a work plan developed by SAIC and approved by Pinnacle. The investigation followed the methodology described in that work plan to the maximum extent practicable; results from this investigation are described in the following sections.

4.1 ELECTRO-MAGNETIC AND GROUND PENETRATING RADAR SURVEYS

Apollo Geophysics Corporation performed electro-magnetic and ground penetrating radar (EM/GPR) surveys at the site on December 19, 2005. The EM/GPR surveys identified five subsurface anomalies (GPR-1 through GPR-5). A copy of the Technical Memorandum

documenting the work performed by Apollo Geophysics is included as **Appendix A**. Soil was excavated at four of these anomalies (GPR-1 through GPR-4) using an air-knife. One GPR location (GPR-5) was not explored due to the presence of the concrete slab floor of the former building, however; a hydraulic hoist is suspected to be present at this location (See **Figure 2** for GPR locations).

The air knife inspections revealed:

- USTs located at GPR-1, located south of the property in the alleyway. Air knife excavation uncovered the suspect tank(s), evidence which was later confirmed when the cap for one of the tanks was uncovered and opened, revealing a petroleum product mixture inside of the tank. It is likely that there are two tanks in this location, side by side, as there are two caps. Only one of the caps could be removed during a follow-up site visit.
- The air-knife excavation uncovered concrete piping at the GPR-2 location. This piping is likely the partial structural remains from a drain field located due south of the piping. GPR-2 is located on the western side of the property.
- A UST was encountered while excavating soil from the GPR-3 location.
- The potential UST located by GPR at location GPR-4 was later determined to be demolition debris upon excavation with an air-knife.

4.2 SOIL BORINGS

The work plan set general guidelines for placement and installation of twenty-two soil borings (SB-1 through SB-22, **Figure 2**) at the site. All soil borings were advanced either to the groundwater table or to a depth where contamination was no longer present, whichever was deeper.

4.2.1 Boring Locations

Selection of the 22 boring locations was primarily based upon the proximity to former petroleum-related features of the site, such as the former USTs, a suspected former waste-oil tank location, and former pump islands (**Figure 3**). The Underground Utilities Location Center and a private locating service (Applied Professional Services, Inc) marked all underground utilities at the site in advance of all subsurface exploration.

4.2.2 Boring Installation and Soil Sample Collection

The installation of each boring was conducted by Holt Drilling Company using a direct-push Geoprobe rig; all work was supervised by SAIC. To prevent damage to any unmarked underground utilities, each boring was first cleared using a hand auger to a minimum depth of 5 feet below ground surface (bgs) followed by an air-knife and vacuum rig from 5 – 8 feet bgs before using powered drilling equipment. The air-knife and vacuum rig were also used to clear boring locations when refusal was encountered with a hand-auger. Soil samples above eight feet were collected using a stainless steel hand-auger. The auger was decontaminated before obtaining samples at each depth within the same boring and decontaminated again between each boring location. The air-knife was also used to aid in opening borings in the alleyway and above

EM/GPR identified suspect anomalies. After hand-auger excavation to 5 feet bgs, a section of 2-inch PVC piping was inserted in each hand boring to keep the boring hole open until a Geoprobe rig could be used to continue drilling. Soil borings were advanced below the eight foot depth using a direct-push Geoprobe rig. Direct-pus soil samples were collected inside a continuous profile three-inch diameter, four-foot long, plastic Geoprobe macrocore sampler. Soil characteristics were logged and samples collected along segments of the entire Geoprobe core. Most soil borings advanced by the direct-push method were completed at a depth ranging between 17 to 24 feet bgs.

4.2.3 Organic-Vapor Screening

Soil samples from each boring were field screened for organic-vapor content to aid in the selection of soil samples for chemical analysis. The screening procedure involved first placing the soil into a Ziploc-type bag, sealing it to allow the sample temperature to equilibrate with the ambient temperature. Immediately prior to screening, the soil was disaggregated. The bag was then partially opened and the probe end of a flame ionization detector (FID) was inserted into the bag headspace. The highest instrument reading observed from each sample screened was then recorded on the Soil Boring and Well Completion Log for each boring location (**Appendix B**).

4.2.4 Soil and Water Sample Collection

After recovering soil samples from a borehole and measuring organic-vapors, details related to each boring were recorded using the Unified Soil Classification System Visual-Manual Procedure (ASTM D2488). Soil characteristics were recorded by an SAIC geologist or environmental scientist for each boring include soil properties such as color, lithology, density, texture and moisture content. In addition, the presence of hydrocarbon odors or soil sheen was noted in the log record (**Appendix B**). Soil samples were collected from each boring using disposable EnCore® samplers for Volatile Organic Compound Determination in compliance with U.S. EPA Method 5035. Soil samples intended for non-volatile hydrocarbons and metals analysis were collected and placed into 4 or 8 oz glass jars supplied by the laboratory. The sample bags and jars were then sealed, labeled and placed into pre-cooled ice chests to preserve a temperature of 4° C while onsite and during transport to the analytical laboratory.

Soil samples for MTCA Method B soil cleanup level determination were collected from SB-3 at six feet and SB-14 at four feet bgs. Soil from these locations and depths was placed into Encore samplers and 4-oz or 8-oz jars per laboratory requirements. With the exception of SB-1, SB-4, SB-7, SB-9 and SB-17, soil samples were collected by Geoprobe from each boring. Borings SB-1, SB-4 and SB-9 were abandoned at a depth of 5 feet bgs, boring SB-7 hit refusal at four feet bgs and boring SB-7 encountered a concrete slab at two feet bgs and was abandoned.

4.2.5 Soil Analyses

At least one soil sample was collected from each completed boring location and transported to the laboratory for analysis. Additional samples were collected and analyzed if hydrocarbon odors were present in a given boring or FID readings indicated the presence of volatile organics (VOCs). All soil samples selected for analysis were shipped overnight to Lancaster Laboratories

in Lancaster, PA under proper chain of custody procedures. Chain of Custody forms are included in **Appendix C**.

Each of the soil samples submitted to the laboratory was analyzed for the following:

- Gasoline-range hydrocarbons by Ecology Method NWTPH-Gx;
- Diesel- and oil-range hydrocarbons by Ecology Method NWTPH-Dx extended;
- Benzene, toluene, ethyl benzene, and xylenes (BTEX) by USEPA Method 8021.

In addition, Method B samples were obtained from three soil borings (SB-2-14, SB-3-6 and SB-14-4). Method B samples were analyzed for the following:

- Gasoline-range hydrocarbons by Ecology Method NWTPH-Gx;
- Diesel- and oil-range hydrocarbons by Ecology Method NWTPH-Dx extended;
- Benzene, toluene, ethyl benzene, and xylenes (BTEX) by USEPA Method 8021;
- Total lead by Method 6010;
- n-hexane, naphthalene, EDB and EDC by USEPA Method 8260;
- cPAHs by Method 8270;
- and VPH/EPH WA

4.3 GROUNDWATER MONITORING WELLS

As part of this investigation, four monitoring wells, MW-1 through MW-4, were installed at the site. Please refer to **Figure 2** for monitoring well locations. Monitoring well construction logs for MW-1 through MW-4 are provided on the boring logs in **Appendix B**.

4.3.1 Monitoring Well Installation and Development

The Geoprobe rig used to perform the soil borings was also used to complete each of the four monitoring wells (MW-1 through MW-4). Each well was constructed using a pre-packed stainless steel well screen. The screened interval is integral with the slotted casing of each well and formed a mechanical annular seal. Approximately 12-inches of silica sand was placed in the annular space above each pre-packed screen and then three feet of hydrated bentonite chips were placed above the sand pack to form an annular seal. Each monitoring well was finished with a concrete surface seal and a traffic-rated steel well monument. MW-1 was completed to a depth of 15 feet bgs with the well screen set between 5 and 15 feet bgs. Wells MW-2 through MW-4 were completed to a depth of 14 feet bgs with the well screen set between 4 and 14 feet bgs.

On March 10, 2006, MW-1 through MW-4 were developed by over-pumping using a peristaltic pump and disposable plastic tubing. None of the four wells produced more than four gallons before going dry. In each situation, the well was allowed to recharge to within approximately 75% of the static (pre-development) groundwater elevation before samples were collected.

4.3.2 Monitoring Well Sampling

Ground water samples were collected from each newly installed well on March 10, 2006. A peristaltic pump was used to collect ground water samples from each well. Prior to sampling, water level measurements were obtained with an electronic water-level meter and recorded to the nearest 0.01 foot. Ground water samples were collected directly into labeled and pre-preserved sample bottles. The groundwater samples were then placed in a pre-cooled ice chest and shipped over-night under chain of custody to Lancaster laboratories of analysis.

4.3.3 Groundwater Analyses

Three monitoring wells, MW-1, MW-3 and MW-4, are located on the property (**Figure 2**); an additional well, MW-2 is located south of the property in the alleyway. Each monitoring well was sampled on March 10, 2006; groundwater samples collected from MW-1 through MW-4 were analyzed for the following:

- Gasoline-range hydrocarbons by Ecology Method NWTPH-Gx;
- Diesel-and oil-range hydrocarbons by Ecology Method NWTPH-Dx extended;
- Benzene, toluene, ethyl benzene, xylenes (BTEX) by EPA Method 8021 and;
- Total lead by EPA Method 6010/6020;

NOTE: The groundwater sample collected from MW-4 was analyzed for VOCs (including BTEX) by USEPA Method 8260 in place of EPA Method 8021.

4.3.4 Well Elevation Survey

Site elevation surveys were conducted to establish the top of casing (TOC) elevations for each monitoring well. Surveys of each well were performed using a builder's level and stadia rod with rod placement on the north side of each well casing. TOC elevations were surveyed relative to an arbitrary elevation datum of 100.00 feet from the topographically highest well, MW-1.

4.4 DECONTAMINATION PROCEDURES

All re-usable soil sampling equipment, and the electronic water interface probe were decontaminated by washing in a Liquinox solution, followed by an initial rinse in tap water, with a final rinse in de-ionized water. Hand augers and sample collection bowls were decontaminated immediately after collecting, logging, and screening each sample. The development pump, depth-to-water meter and interface probe were decontaminated between each use. The Geoprobe samplers and drill rods were decontaminated by pressure washing between each sampling location. All other groundwater and soil sampling equipment, such as Geoprobe sample sleeves, gloves, plastic bags, and groundwater sample tubing, was disposable.

4.5 QUALITY CONTROL PROCEDURES

To ensure sample quality during this investigation, trip blanks were collected and submitted for analysis. The analysis results for all quality control (QC) samples remained below laboratory method detection limits.

One laboratory supplied trip blank sample was placed in each cooler containing soil and water samples to be analyzed for volatile constituents. The trip blanks accompanied the samples while on site and during transport to the analytical laboratory. Each trip blank was analyzed for VOCs by EPA Method 8260b.

5.0 SUBSURFACE CONDITIONS

5.1 SOIL CONDITIONS

During the investigation much of the site was covered with asphalt or concrete surfacing materials, either pavement or foundation footings. Subsurface soils encountered during drilling activities consisted primarily of a gray silt or silt and clay mix. This silt/clay unit ranged in consistency from slight to moderate stiffness with low to high plasticity. Occasional trace amounts of fine gravel and fine-grained sand were encountered in some of the borings. The depth of this unit extends to at least 20 feet bgs (maximum extent of soil borings). Several borings encountered a small < 1 foot-thick silty sand lens and occasional thin layers of organic materials on a localized basis. The possibility of a second, lower unit might be suggested from an encounter with a gray silty fine-to-medium grain sand at SB-16 on the west side of the south border; this sandy unit extended from 17 feet to the bottom of the borehole (20 ft.) at that location.

In addition to the native soil, fill materials were encountered in most boring locations, presumably created during former building construction and demolition activities. This fill consisted of brown medium sand and sandy silt with fine gravel and occasional 3-4 inch rounded cobbles. Fill was generally encountered from surface to four feet bgs., with one exception; a large depression area located in the proximity of boring SB-19 at the northwest portion of the site (former building location). At this location, fill materials extended from surface to 16 feet bgs. and drilling activities in this area had to be halted due to soil caving as the sandy fill would not support the borehole.

5.2 GROUNDWATER CONDITIONS

Depth to groundwater (DTW) was measured in each of the four monitoring wells on March 10, 2006 and varied between 0.20 and 1.71 feet below TOC.

The groundwater flow beneath the site is relatively consistent with the topography, flowing towards the northwest. The groundwater gradient appears to be relatively shallow with less than two feet of groundwater elevation difference across the investigation area. **Figure 3** illustrates groundwater elevation data and the resulting contours as observed on March 10, 2006.

5.3 HYDROGEOLOGY

The data collected during the investigation suggests that local groundwater is present as a shallow unconfined aquifer. During the groundwater-sampling event, each of the four wells installed purged dry before three well volumes of groundwater could be removed, and demonstrated a slow recharge rate. The slow recharge rate is consistent with the fine grain sandy silt alluvial stratigraphy underlying the site.

6.0 REGULATORY CLEANUP LIMITS

Soil and groundwater samples collected during this investigation were analyzed and compared to MTCA Method A Cleanup Levels, as defined by MTCA (WAC 173-340-350 [7]). Soil sample SB-2-14 was collected from the property and analyzed for MTCA Method B Cleanup Levels. The Method B cleanup level for total petroleum hydrocarbons (TPH) at this site based on direct soil contact is 7,662 mg/kg, however due to groundwater impact a concentrations that exceed Method A cleanup levels, Method A cleanup levels will be applied to soil. A copy of the MTCA Method B cleanup level calculation worksheet has been included as **Appendix D**.

7.0 ANALYTICAL RESULTS

7.1 SOIL

Each soil sample submitted for analysis was analyzed for gasoline-, diesel- and heavy oil-range hydrocarbons and BTEX. Soil analytical results are summarized in **Table 1**; laboratory analytical reports are included in **Appendix C**. Analytes detected in soil at concentrations above the laboratory detection limits are summarized below.

- Gasoline-range hydrocarbons were detected in eight of the 31 soil samples submitted for analysis. The MTCA Method A cleanup level of 30 mg/kg was exceeded in SB-2 and SB-11.
- Benzene was detected in seven of the soil samples submitted for analysis and was present at concentrations exceeding the MTCA Method A cleanup level of 0.03 mg/kg in samples collected from borings SB-2 and SB-11 along the southern border of the property proximal to the former UST basin.
- Diesel- and/or heavy oil-range hydrocarbons were present in eleven samples and at concentration exceeding the MTCA Method A Cleanup Level of 2,000 mg/kg in one sample (SB-2-3) for heavy-oil only.
- Toluene, ethyl benzene and xylenes were detected at concentrations above laboratory detection limits in seven samples. The MTCA Method A Cleanup Level for toluene, ethylbenzene and total xylenes was exceeded in one sample (SB-11-4).

Analytical results indicate that gasoline-range hydrocarbons and benzene are the primary contaminants in soil at the site. All samples that exceeded MTCA Method A Cleanup Levels were either cross- gradient or down-gradient from the UST basin location.

7.2 GROUNDWATER FROM MONITORING WELLS

Groundwater analytical results from samples collected on March 10, 2006 are summarized in **Table 2**. The associated laboratory analytical report for these groundwater samples is included in **Appendix C**.

- Benzene exceeded the MTCA Method A Cleanup Level of 5 µg/L in the sample from well MW-2 and its duplicate. Benzene from the MW-2 sample and its duplicate sample were present at 10 µg/L and 11 µg/L, respectively.
- Gasoline-range hydrocarbons were detected in the sample from MW-2 and its duplicate and in MW-4 but at concentrations below the MTCA Method A Cleanup Level.
- Diesel-range hydrocarbons were detected in wells MW-2, MW-3 and MW-4. The MTCA Method A Cleanup Level of 500 µg/L was exceeded in the samples from MW-4 and MW-2 and its duplicate at concentrations at 5,900 µg/L, 720 µg/L and 1,200 µg/L respectively.
- Heavy oil-range hydrocarbons were detected in the sample from MW-2 and its duplicate. The MTCA Method A Cleanup Level of 500 µg/L was exceeded in the duplicate sample from MW-2 at a concentration of 620 µg/L.
- Toluene, ethylbenzene, MTBE and dissolved lead were not present in any of the four wells sampled at concentration at or above the laboratory reporting limits.
- Xylenes were detected in the groundwater sample collected from MW-2 (and its duplicate) but at concentrations below the 1,000 µg/L MTCA Method A Cleanup Level.

8.0 EXTENT OF PETROLEUM IMPACT

8.1 SOIL

The general extent of gasoline-range hydrocarbons and BTEX compounds detected in soil is shown on **Figures 4 and 5**. Soils exceeding MTCA Method A Cleanup Levels are generally shallow and localized northeast and directly west of the UST basin that was previously excavated (SB-2 and SB-11). Based on the results of this investigation, it does not appear that petroleum soil contamination extends off-property beneath the alley, to the south of the property, or beyond the northern property boundary.

The vertical extent of soil contamination is well defined and extends from approximately three feet bgs to approximately 14 feet bgs, as evidenced in soil samples collected from SB-2 and SB-11. The bottom of the soil contamination appears to coincide with the gray clay contact at approximately 12 to 14 feet bgs. The primary zone of soil contamination appears to be comprised of soils within the range of seasonal groundwater fluctuation.

8.2 GROUNDWATER

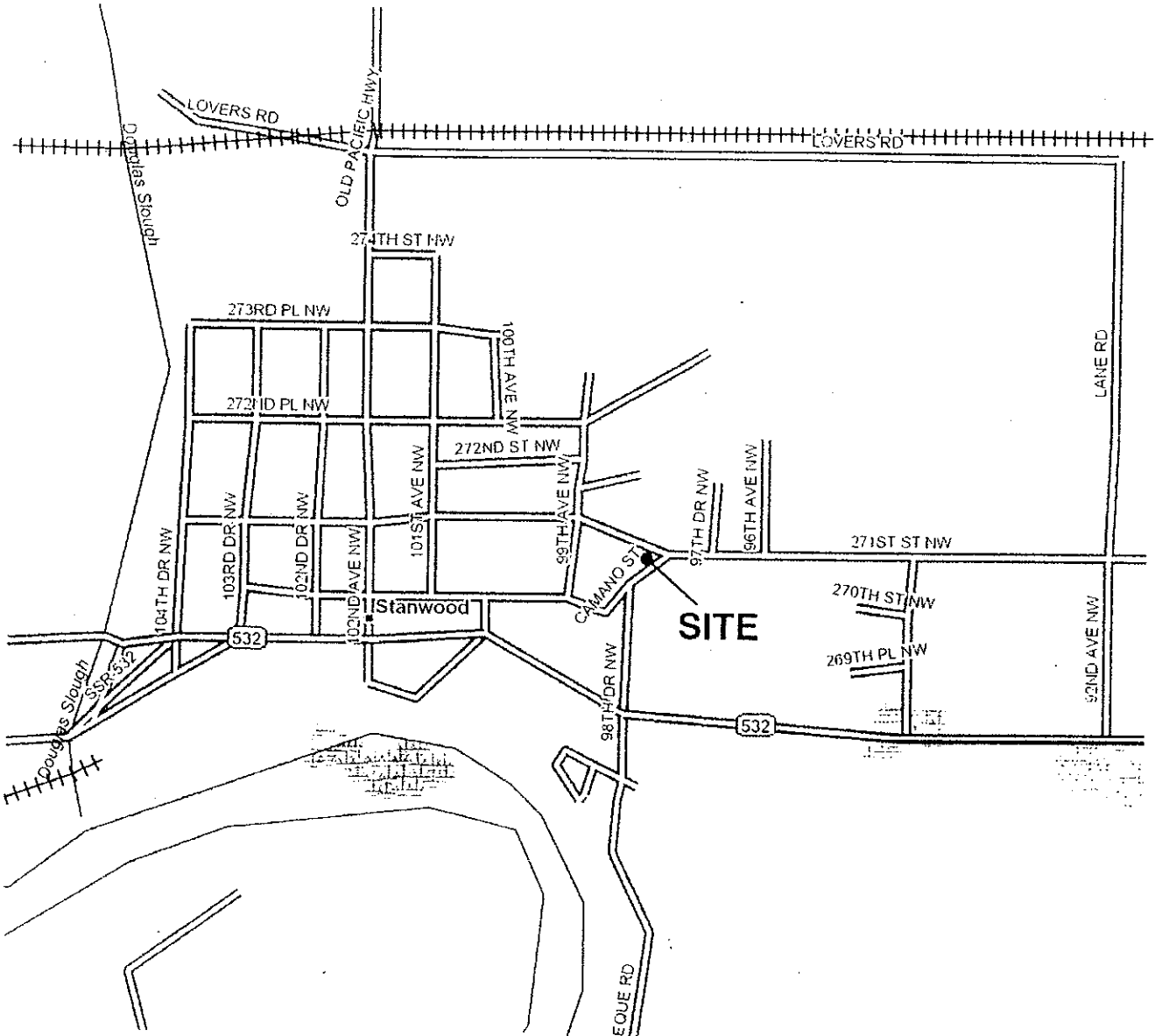
The approximate limit of groundwater contamination (gasoline, diesel, heavy oil and benzene), as defined by analytical results from the March 2006 sampling event is illustrated on **Figure 6**. TPH and benzene in groundwater, at concentrations above cleanup levels, roughly coincide with the areas of impacted soil. The full extent of groundwater contamination and its boundaries

cannot be established with data from this investigation; additional monitoring wells will be required in order to delineate the down-gradient limits of groundwater impact.

9.0 CONCLUSIONS

Soils and groundwater near the UST basin are impacted by petroleum hydrocarbon constituents including gasoline, diesel, heavy oil and BTEX. Soil contamination appears restricted to the area surrounding the UST basin. However, groundwater contamination may extend beyond the property boundaries. Several tanks containing liquid petroleum mixed with water still remain in place beneath the alleyway adjacent to the southern edge of the property. A four-inch, high pressure steel natural gas line runs the length of the alleyway and appears to lie directly across the top of these two USTs.

FIGURES



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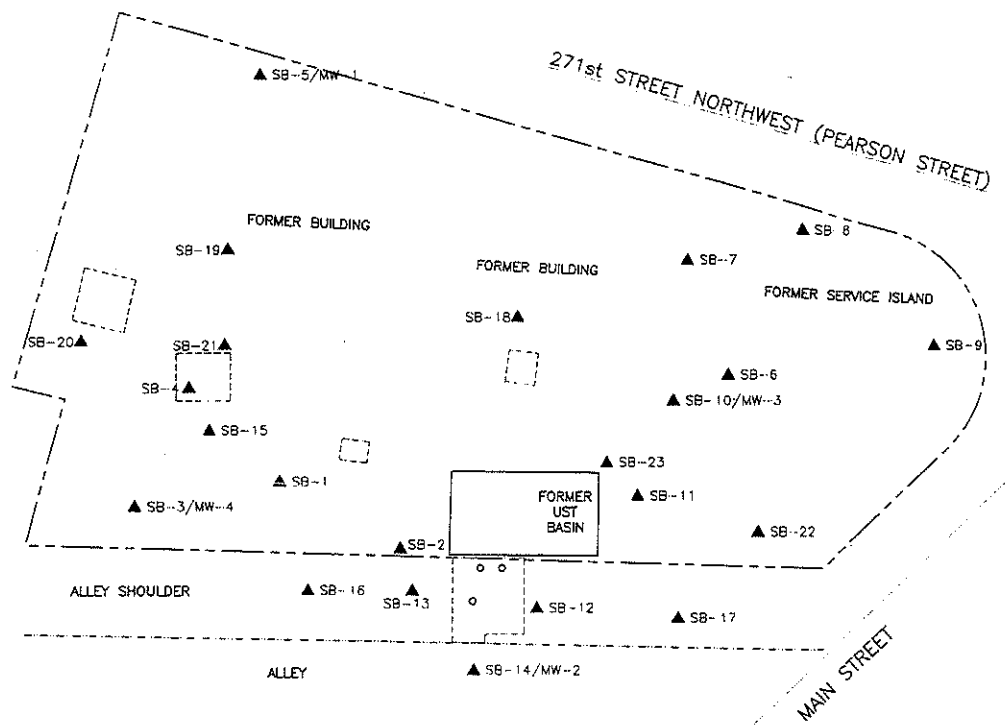
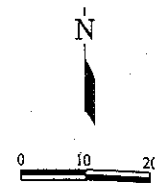
FORMER CHEVRON SERVICE STATION
NO. 30-5192
9816 271ST STREET NW
STANWOOD, WASHINGTON

FIGURE 1
VICINITY MAP

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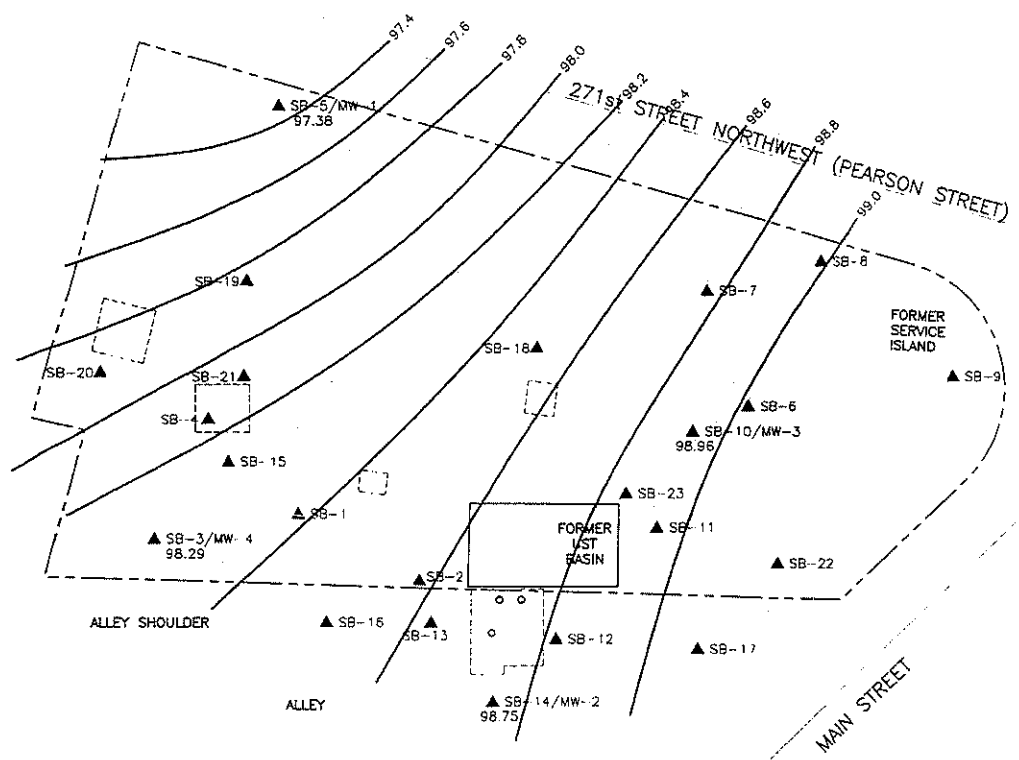
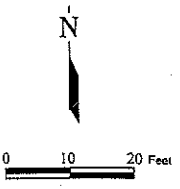
- LEGEND
- PROPERTY LINE
 - ▲ SB-# SOIL BORING LOCATION
 - ▲ SB-5/MW-1 MONITORING WELL LOCATION
 - [] LOCATION OF SUBSURFACE FEATURE FROM EM/GPR INVESTIGATION
 - - - - - APPROXIMATE LOCATION OF UNDERGROUND GAS LINE



FORMER CHEVRON SERVICE STATION
 NO. 30-5192
 9816 271ST STREET NORTHWEST
 STANWOOD, WASHINGTON

FIGURE 2
SITE MAP WITH SOIL BORING
MONITORING WELL LOCATI

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- LEGEND**
- PROPERTY LINE
 - ▲ SB-1 SOIL BORING LOCATION
 - ▲ SB-5/MW-1 MONITORING WELL LOCATION
 - [] LOCATION OF SUBSURFACE FEATURE FROM GPR INVESTIGATION
 - 97.38 GROUNDWATER ELEVATION AS MEASURED ON MARCH 10, 2006
 - GROUNDWATER ELEVATION CONTOUR

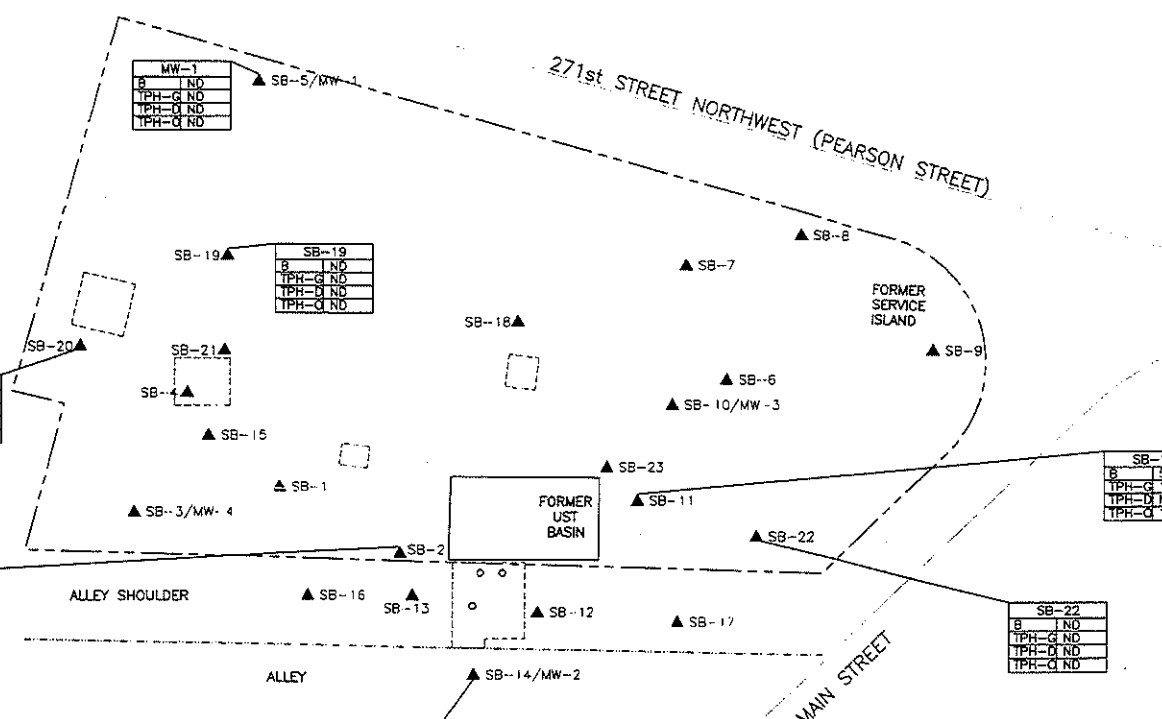
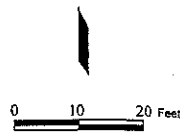


FORMER CHEVRON SERVICE STATION
 NO. 30-5192
 9816 271ST STREET NORTHWEST
 STANWOOD, WASHINGTON

FIGURE 3
GROUNDWATER ELEVATION
CONTOUR MAP (MARCH 2006)

FILE NAME: 30-5192_Basemap-REV.dwg DATE: 04/12/2006

Z:\Users\Chevron\workspace\Stanwood_Perf\30-5192_Stanwood\30-5192_Basemap-REV.dwg 21/04/06 - 2:22 P



MW-1	
B	ND
TPH-G	ND
TPH-D	ND
TPH-O	ND

SB-5/MW-1	
B	ND
TPH-G	ND
TPH-D	ND
TPH-O	ND

SB-19	
B	ND
TPH-G	ND
TPH-D	ND
TPH-O	ND

SB-20	
B	ND
TPH-G	ND
TPH-D	ND
TPH-O	ND

SB-21	
B	ND
TPH-G	ND
TPH-D	ND
TPH-O	ND

SB-11	
B	15.6
TPH-G	18
TPH-D	ND
TPH-O	13

SB-2	
B	10.2
TPH-G	48
TPH-D	140
TPH-O	970

MW-2	
B	ND
TPH-G	ND
TPH-D	ND
TPH-O	11

- LEGEND**
- PROPERTY LINE
 - ▲ SB-1 SOIL BORING LOCATION
 - ▲ SB-5/MW-1 MONITORING WELL LOCATION
 - [] LOCATION OF SUBSURFACE FEATURE FROM GPR INVESTIGATION

MW-1	
B	ND
TPH-G	ND
TPH-D	ND
TPH-O	ND

Monitoring Well Identification
 Benzene Concentrations in (mg/kg)
 Total Petroleum Hydrocarbons - Gasoline Concentrations (mg/kg)
 Total Petroleum Hydrocarbons - Diesel Concentrations (mg/kg)
 Total Petroleum Hydrocarbons - o-Xylene Concentration (mg/kg)

Results in red indicate values that exceed MTCA Method A Cleanup Levels

ND = Not Detected at or below Laboratory Detection Limit (LDL)



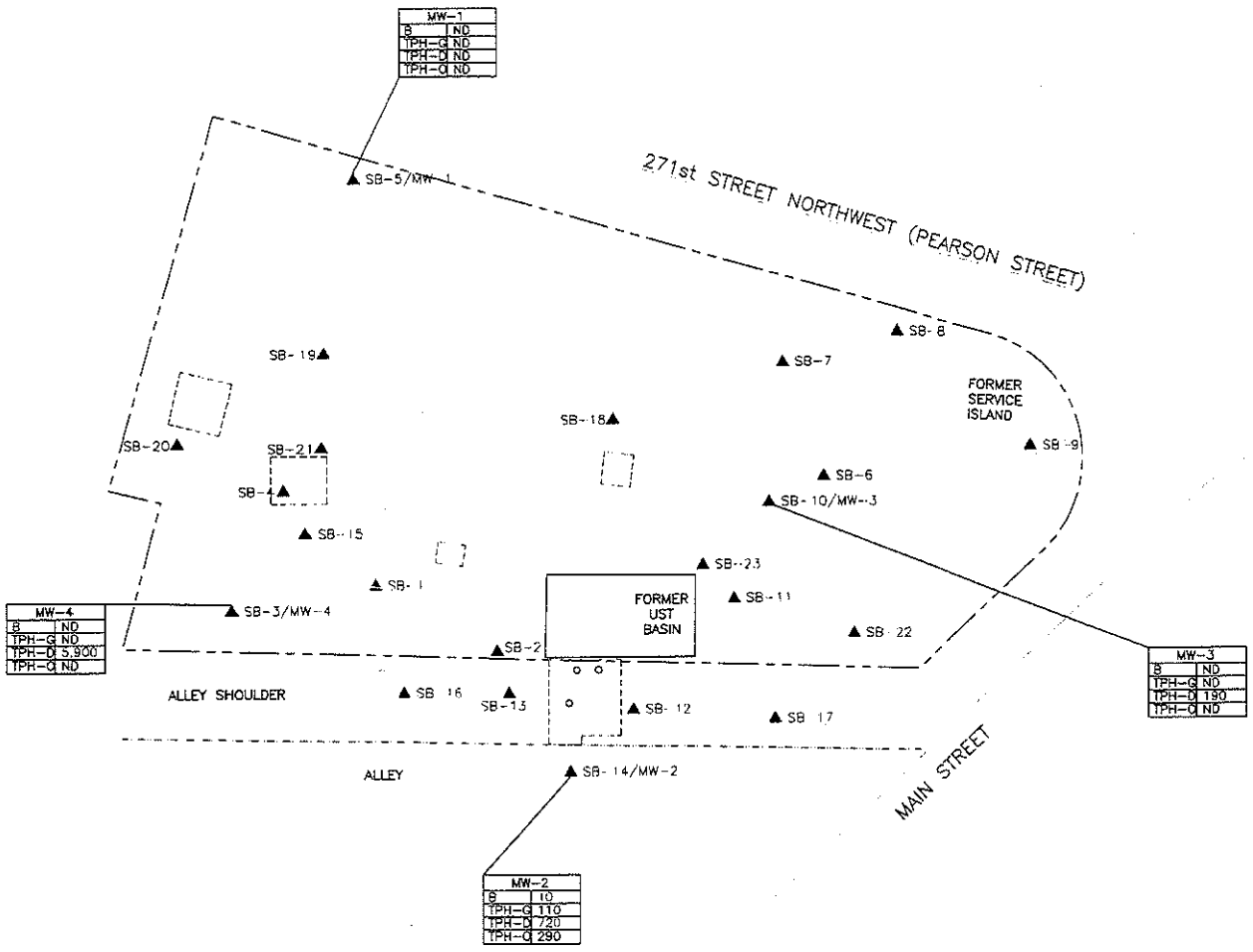
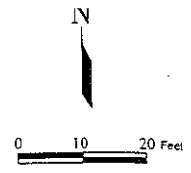
FORMER CHEVRON SERVICE STATION
 NO. 30-5192
 9816 271ST STREET NORTHWEST
 STANWOOD, WASHINGTON

FIGURE 5
SOIL ANALYTICAL RESULTS
(10-20 FEET BGS)

FILE NAME: 30-5192_Baseup-REV.dwg DATE: 04/12/2006

Z:\2004\Chemical\Stanwood\30-5192 Stanwood\30-5192_Baseup-REV.dwg 21/04/06 - 2:33 P

Z:\2004\Chemmap\Hunter Portland\30-5192_Stanwood-REV.dwg 21/04/06 - 2:24 P



MW-4	
B	ND
TPH-G	ND
TPH-D	3,900
TPH-Q	ND

MW-1	
B	ND
TPH-G	ND
TPH-D	ND
TPH-Q	ND

MW-2	
B	110
TPH-G	110
TPH-D	720
TPH-Q	280

MW-3	
B	ND
TPH-G	ND
TPH-D	130
TPH-Q	ND

- LEGEND**
- PROPERTY LINE
 - ▲ SB 1 SOIL BORING LOCATION
 - ▲ SB-5/MW 1 MONITORING WELL LOCATION
 - [] LOCATION OF SUBSURFACE FEATURE FROM GPR INVESTIGATION

MW-1		Monitoring Well Identification
B	ND	Benzene Concentrations in (ug/L)
TPH-G	ND	Total Petroleum Hydrocarbons - Gasoline Concentrations (ug/L)
TPH-D	ND	Total Petroleum Hydrocarbons - Diesel Concentrations (ug/L)
TPH-Q	ND	Total Petroleum Hydrocarbons - o-Xylene concentration (ug/L)

Results in red indicate values that exceed MTCA Method A Cleanup Levels

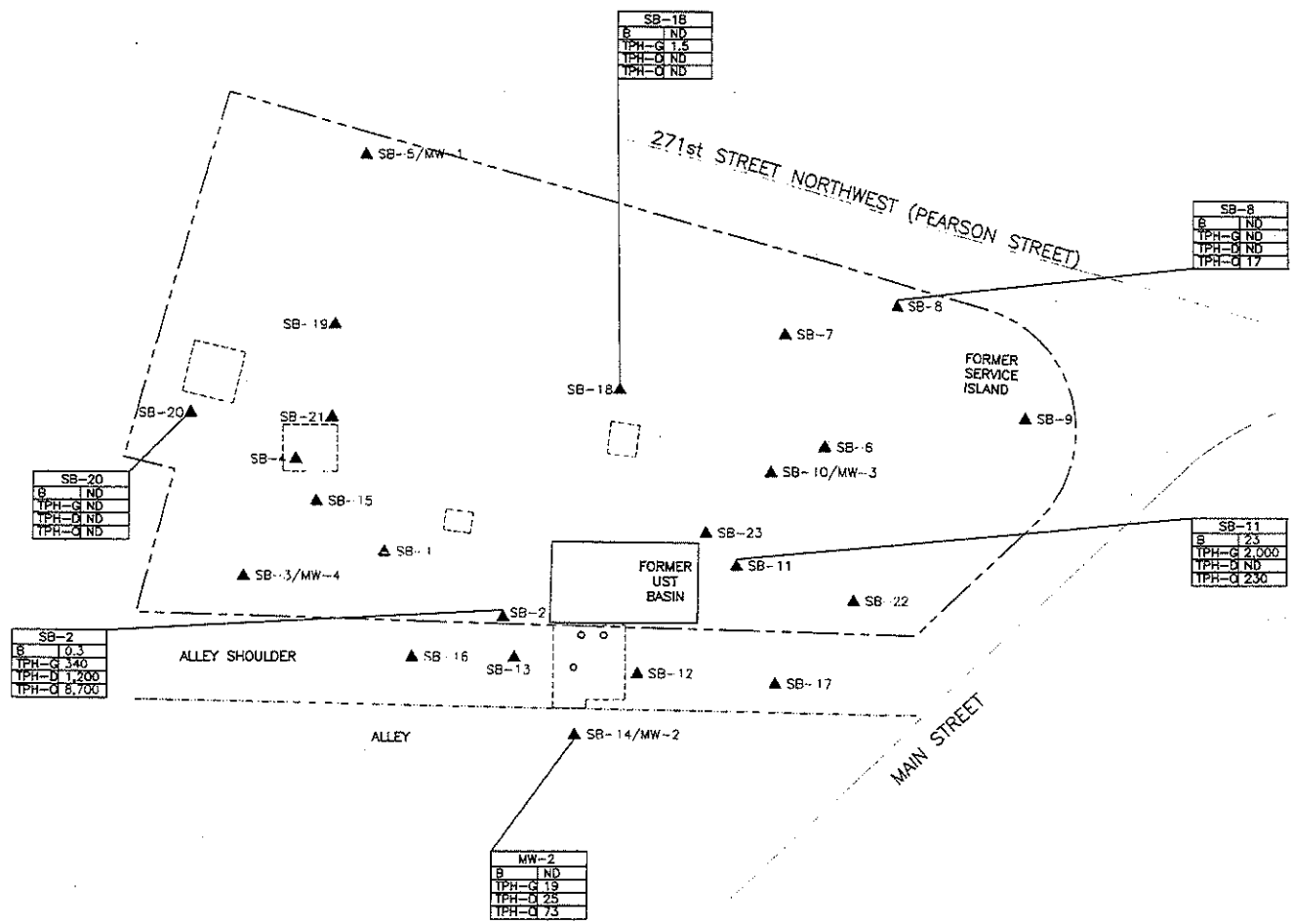
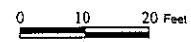
ND = Not Detected at or below Laboratory Detection Limit (LDL)



FORMER CHEVRON SERVICE STATION
NO. 30-5192
9816 271ST STREET NORTHWEST
STANWOOD, WASHINGTON

FIGURE 6
GROUNDWATER ANALYTICAL RESULTS (MARCH 2006)

FILE NAME: 30-5192_Stanwood-REV.dwg	DATE: 04/12/2006
--	---------------------



- LEGEND**
- PROPERTY LINE
 - ▲ SB-1 SOIL BORING LOCATION
 - ▲ SB-5/MW-1 MONITORING WELL LOCATION
 - [] LOCATION OF SUBSURFACE FEATURE FROM GPR INVESTIGATION

MW-1	
B	ND
TPH-G	ND
TPH-D	ND
TPH-Q	ND

Monitoring Well Identification
 Benzene Concentrations in (mg/kg)
 Total Petroleum Hydrocarbons - Gasoline Concentrations (mg/kg)
 Total Petroleum Hydrocarbons - Diesel Concentrations (mg/kg)
 Total Petroleum Hydrocarbons - o-Xylene Concentration (mg/kg)

Results in red indicate values that exceeded MTCA Method A Cleanup Levels

ND = Not Detected at or below Laboratory Detection Limit (LDL)



FORMER CHEVRON SERVICE STATION
 NO. 30-5192
 9816 271ST STREET NORTHWEST
 STANWOOD, WASHINGTON

FIGURE 4
SOIL ANALYTICAL RESULTS
(3-9 FEET BGS)

FILE NAME: 30-5192_Soilsmap-REV.dwg DATE: 04/12/2006

TABLES

Table 1
Summary of Soil Chemical Analytical Data
CVX #30-5192
Stanwood, Washington

Sample I.D. ¹	Sample Depth (feet bgs)	Sample Date	Benzene ² (mg/kg)	Toluene ² (mg/kg)	Ethylbenzene ² (mg/kg)	Total Xylenes ² (mg/kg)	TPH-G ³ (mg/kg)	TPH-D ⁴ (mg/kg)	TPH-LO ⁴ (mg/kg)	Total Lead ⁵ (mg/kg)
SB-2-3	3	2/7/2006	0.3	< 0.08	0.1	2.1	340	1200	8700	--
SB-2-14	14	2/7/2006	0.2	< 0.02	0.01	0.2	48	140	970	6.85
SB-2-18	18	2/7/2006	< 0.006	< 0.006	< 0.006	< 0.02	< 1.1	< 3.0	< 10	--
SB-3-6	6	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.2	< 1.1	15	150	6.03
SB-3-15	15	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.01	< 0.9	< 3.0	< 10	--
SB-5-18	18	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.02	< 1.0	< 3.0	< 10.0	--
SB-6-6	6	2/7/2006	< 0.006	< 0.006	< 0.006	< 0.02	< 1.2	< 3.0	< 10	--
SB-6-14	14	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.02	< 1.0	< 3.0	< 10	--
SB-8-6	6	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.01	< 0.9	< 3.0	17	--
SB-10-6	6	2/7/2006	< 0.008	< 0.008	< 0.008	< 0.02	< 1.6	< 3.0	< 10	--
SB-10-16	16	2/7/2006	< 0.004	< 0.004	< 0.004	< 0.01	< 0.9	< 3.0	< 10	--
SB-11-4	4	2/7/2006	23	25	44	240	2000	68	230	--
SB-11-6	6	2/7/2006	3.6	0.5	0.9	9.7	65	7.2	37	4.4
SB-11-14	14	2/7/2006	5.6	0.2	0.4	2.0	18	< 3.0	13	--
SB-11-19	19	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.02	< 1.0	< 3.0	< 10	--
SB-12-17	17	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.01	< 0.9	< 3.0	11	--
SB-13-10	10	2/7/2006	0.007	< 0.004	< 0.004	0.03	5.1	27	190	--
SB-13-20	20	2/7/2006	< 0.004	< 0.004	< 0.004	< 0.01	< 0.9	< 3.0	< 10	--
SB-14-4	4	2/7/2006	0.02	0.012	0.003	0.006	19	25	73	35.4
SB-14-17	17	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.01	< 0.9	< 3.0	11	--
SB-15-14	14	2/7/2006	< 0.007	< 0.007	< 0.007	< 0.02	< 1.4	< 3.0	< 10	--
SB-16-4	4	2/7/2006	< 0.006	< 0.006	< 0.006	< 0.02	< 1.3	< 3.0	< 10	--

Table 1
Summary of Soil Chemical Analytical Data
CVX #30-5192
Stanwood, Washington

Sample I.D. ¹	Sample Depth (feet bgs)	Sample Date	Benzene ² (mg/kg)	Toluene ² (mg/kg)	Ethylbenzene ² (mg/kg)	Total Xylenes ² (mg/kg)	TPH-G ³ (mg/kg)	TPH-D ⁴ (mg/kg)	TPH-LO ⁴ (mg/kg)	Total Lead ⁵ (mg/kg)
SB-16-14	14	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.02	< 1.0	< 3.0	< 10	--
SB-18-4	4	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.02	1.5	< 3.0	< 10	--
SB-18-14	14	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.02	< 1.0	< 3.0	< 10	--
SB-19-4	4	2/7/2006	< 0.006	< 0.006	< 0.006	< 0.02	< 1.1	--	--	--
SB-19-12	12	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.02	< 1.0	< 3.0	< 10	--
SB-20-6	6	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.02	< 1.0	< 3.0	< 10	--
SB-20-14	14	2/7/2006	< 0.006	< 0.006	< 0.006	< 0.02	< 1.1	< 3.0	< 10	--
SB-21-6	6	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.02	< 1.1	< 3.0	< 10	--
SB-22-14	14	2/7/2006	< 0.005	< 0.005	< 0.005	< 0.02	< 1.0	< 3.0	< 10	--
SB-23-5	5	4/5/2006	1.6	<0.052	0.39	3.2	45	40	170	--
MTCA Method A Cleanup Level			0.03	7.0	6.0	9.0	30	2,000	2,000	250

Notes:

1 = Approximate sample locations are shown on Figure 2.

2 = Reported value for BTEX is greatest value obtained by WA-VPH, EPA 8021B or EPA Method 8260B.

3 = Gasoline-range total petroleum hydrocarbons (TPH-G) by NWTPH-Gx.

4 = Diesel- (TPH-D), Lube oil- (TPH-O) range hydrocarbons by NWTPH-Dx with a acid/silica gel cleanup.

5 = Total lead by EPA 6010B.

6 = Sample also analyzed for EPH, VPH, n-hexane, naphthalenes, MTBE, cPAHs, EDB, and EDC. MTBE, EDB, EDC and cPAHs (except for chrysene) were not detected. Naphthalenes = 4.44 mg/kg, chrysene = 0.088 mg/kg, and n-Hexane = 51 mg/kg. See chemical analytical report for EPH and VPH detections and Appendix C for Method B calculations. Naphthalenes, chrysene and n-Hexane detections were below the applicable cleanup levels for that analyte.

< = Analyte not detected at or above the reported value; bgs = below ground surface; mg/kg = milligrams per kilogram.

Bold = value shown exceeds WDOE MTCA Method A cleanup level.

Table 2
Groundwater
Analytical Results
CVX #30-5192
Stanwood, Washington

Sample I.D. ¹	Date	TPH-G ⁵ (ug/L)	TPH-D ⁶ (ug/L)	TPH-O ⁷ (ug/L)	Benzene ² (ug/L)	Toluene ² (ug/L)	Ethylbenzene ² (ug/L)	Total Xylenes ² (ug/L)	MTBE ³ (ug/L)	Lead ⁷ (ug/L)
MW-1	3/10/2006	< 48	< 84	< 100	< 0.5	< 0.5	< 0.5	< 1.5	< 2.5	< 8.4
MW-2	3/10/2006	110	720	290	10	< 0.5	< 0.5	4.4	< 2.5	< 8.4
MW-3	3/10/2006	< 48	190	< 100	< 0.5	< 0.5	< 0.5	< 1.5	< 2.5	< 8.4
MW-4	3/10/2006	53	5900	< 630	< 0.5 ⁴	< 0.5 ⁴	< 0.5 ⁴	< 0.5 ⁴	< 0.5	< 8.4
MW-2 (dup)	3/10/2006	120	1200	620	11	< 0.5	< 0.5	5.0	< 2.5	< 8.4
Trip Blanks	3/10/2006	< 48	--	--	< 0.5	< 0.5	< 0.5	< 1.5	< 2.5	--
MTCA Method A Cleanup Level		800/1000	500	500	5.0	1000	700	100	20	15

Notes:

- 1 = Approximate sample locations are shown on Figure 2.
- 2 = BTEX by USEPA Method 8021b except as noted
- 3 = MTBE by USEPA Method 8260b
- 4 = BTEX by USEPA Method 8260b
- 5 = Gasoline-Range Hydrocarbons by NWTPH-Gx
- 6 = Diesel- and Oil-Range Hydrocarbons by NWTPH-Dx ext. with silica gel cleanup
- 7 = Lead by USEPA 7000-series
- < = Analyte not detected at or above the laboratory method detection limit shown
- = Sample not analyzed for this compound
- Bold** = value shown exceeds WDOE MTCA Method A cleanup level

APPENDIX A

Technical Memorandum, UST Locate Report, Apollo Geophysics



APOLLO GEOPHYSICS

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Bellingham, WA 98228
Phone: (360) 647-8303
Fax: (425) 671-0865
www.apollogeophysics.com

TECHNICAL MEMORANDUM
UST Locate Report

Project Identification:
Former Standard Oil Station Site #30-5192

Submitted to:
Peter Catterall

Date(s) Field Effort Completed:
Monday, December 19, 2005

Owner:
SAIC

Equipment Used:
PE1000 with 450 MHz antenna

Page 1 of 2

Project/Submittal No.:
05.4064

Field Effort Performed/Report Prepared by:
LGB/MCR/LMR

This technical memorandum presents the results of geophysical exploration for potential Underground Storage Tanks (USTs) at the Former Standard Oil Station Site #30-5192 site located 9816 271st Street NW in Stanwood, Washington. A two-person field crew from APOLLO GEOPHYSICS completed the geophysical field program on Monday, December 19, 2005.

We investigated the site, as directed by SAIC personnel, with an Electromagnetic (EM) instrument, which locates buried metal objects. We traversed the site with the EM instrument on approximate 3- to 5-foot line spacings, which produced target areas for the Ground Penetrating Radar (GPR). We further investigated the target areas using GPR, which enabled us to identify the targets as potential USTs. Ground Penetrating Radar established a relative depth, size and ground projection of the object (i.e. to determine if the object was indicative or was not indicative of a UST). Small objects in the near surface, 1 to 2 feet, will respond the same as a larger object (UST) at depth.

RESULTS OF THE GEOPHYSICAL SURVEY

We traversed the site with the EM instrument. Several EM anomalies were detected for further evaluation with the GPR instrument. Debris piles, reinforced concrete and chain link fence limited investigation with the EM exploration.

Target #1 has a GPR signature that may be associated with a potential UST adjacent to two known UST's. We recommend this area to be further evaluated with direct exploration.

Target #2 has a GPR signature that may be associated with two known UST's. Visible filler ports are located along the southern border of the property. We recommend this area to be further evaluated with direct exploration.

Targets #3 and #4 have GPR signatures that may be associated with potential UST's. We recommend these locations to be evaluated with direct exploration.

Targets #5 and #6 have GPR signatures that may be associated with former auto hoists. We recommend these locations to be evaluated with direct exploration.

The approximate locations of Targets #1 through #6 are presented on the Site Plan in Figure 1. The GPR imagery of Targets #1 through #6 is presented in Figures 2 through 7.

All EM and GPR target areas and recommended direct exploration locations were marked in the field with environmentally degradable paint. Suspected utility pipes, demolition debris, etc., were not marked in the field.

The 'GPR Imagery' presented in Figures 2 through 10 have a horizontal and vertical scale of approximately 1 inch equals 4 feet. With regard to the estimated vertical scale, the normal relationship between radar time and actual depth for the Northwest Region is approximately 4 to 4.5 nanoseconds per foot. It should be noted that this relationship holds true in a general sense. Variations of water content, silt content and other factors, such as the presence of concrete flooring, may also change this relationship. Therefore it should be expected that the vertical scale is an estimate only and may vary from the shown scale.

ELECTROMAGNETIC

The electromagnetic, or EM device, transmits and receives an electromagnetic signal. The EM signal is transmitted through the ground, which in turn radiates a signal that is dependent on the ground conductivity and which is also received at the receiver. The two signals, the transmitted and ground response EM waves, are balanced for a zero response in the instrument. When the ground conditions change, for example, when the transmitted signal encounters buried metal, the balance or null point changes, and the instrument responds with an audible signal. Depending on the size of the metal object, the penetration is up to 10 feet in depth.



APOLLO GEOPHYSICS

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TECHNICAL MEMORANDUM
UST Locate Report

Project Identification:
Former Standard Oil Station Site #30-5192

Submitted to:
Peter Catterall

Date(s) Field Effort Completed:
Monday, December 19, 2005

Owner:
SAIC

Equipment Used:
PE1000 with 450 MHz antenna

Page 2 of 2

Project/Submittal No.:
05.4064

Field Effort Performed/Report Prepared by:
LGB/MCR/LMR

GROUND PENETRATING RADAR

APOLLO GEOPHYSICS uses a PE1000 with either a 450 or 110 MHz antenna for shallow UST Locates. The radar antenna transmits an electromagnetic step-pulse at a frequency of 450/110 MHz at a selected stack rate of 32/64. When the signal encounters a change in electrical properties/permittivity, a portion of the signal energy is reflected back to the surface. The character of the reflection is used to define the source of the reflection. The reflected signal is received by the antenna, processed by a DSP radar processor with signal gain control and the raw data is recorded by the outboard 80486 computer with 16 MB RAM & 300 MB Hard Drive. The radar data is displayed by the computer on a 16.5 cm Color Active Matrix LCD VGA screen in real-time. The radar displays the data in real-time, which enables us to review the data in the field for on the spot evaluation. The recorded raw data, as recorded by the computer, is then later processed to remove unwanted peripheral effects by proprietary GPR software.

A typical circular UST will produce, in cross-section, a hyperbolic reflection. A traverse parallel to the centerline of the UST will show a horizontal (if there is no velocity or elevation change along the traverse) reflection, with a partial hyperbolic signature at both ends of the UST. The hyperbolic signature is the result of "seeing" the tank before the center of the antenna is over the tank.

WARRANTY OF SERVICES: All geophysical information presented is based upon geophysical measurements made by generally accepted methods and field procedures and APOLLO GEOPHYSICS' interpretation of these data. The geophysical results are, therefore, interpretative in nature and are considered to be a reasonably accurate presentation of existing conditions within the limitations of the methods employed. Services performed by APOLLO GEOPHYSICS under this agreement are conducted in a manner consistent with, but no less than, that level of care skill ordinarily exercised by members of the profession currently practicing under similar conditions. We cannot guarantee the accuracy or correctness of any interpretation, and we shall not be liable or responsible for any loss, cost, damages or expenses incurred or sustained by the Client resulting from any interpretation made by any of our officers, agents or employees. No other warranty, expressed or implied, is made. APOLLO GEOPHYSICS recognizes that subsurface conditions may vary from those encountered at the location where geophysical or other explorations are made. The data interpretations and recommendations made by APOLLO GEOPHYSICS are based solely on the information available to them at the time of performance; and APOLLO GEOPHYSICS shall not be responsible for the interpretation, by others, of the information developed.

We appreciate the opportunity to conduct the GPR Exploration for this project. Please do not hesitate to contact us if you have any questions or comments. Please keep us informed on the developments pertaining to the project.

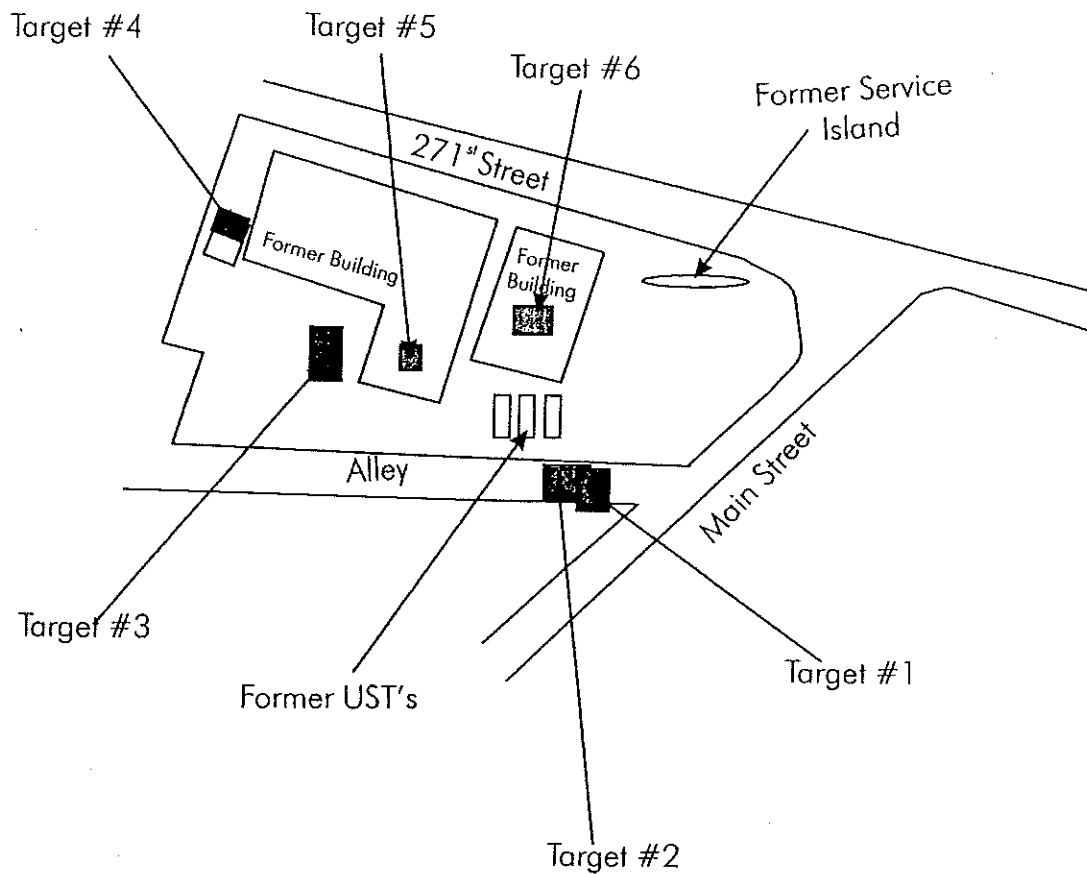
Attachment: Site Plan, GPR Imagery

Signed:




Lynn M. Ringstad, Licensed Engineering Geologist

Date: Monday, January 2, 2005

Site Plan



LEGEND

-  Approximate location of potential UST
-  Approximate location of potential demolition debris
-  Approximate location of potential auto hoists

Approximate Scale:
1 inch = 30 feet

Note: Site Plan based on an undated, untitled copy of a site map provided by SAIC. Locations of all features are approximate.

AG

APOLLO GEOPHYSICS

9816 271st Street NW
Stanwood, Washington

FIGURE
1

FILE NO.

05.4064

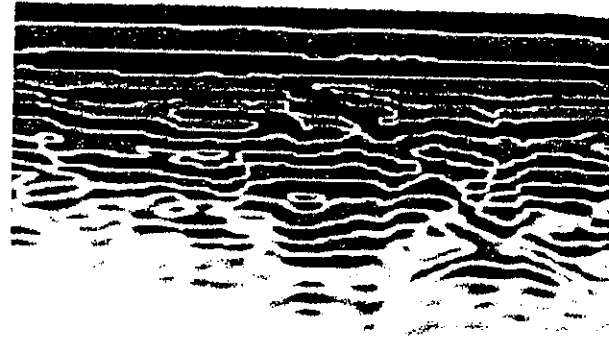
DATE

December 2005

GPR Imagery - Target #1

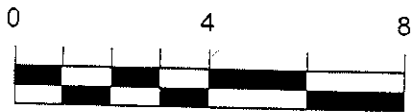
East

West




↑
Top of
potential UST

← →
Approximate location
of potential UST



Approximate Scale 1" = 4'

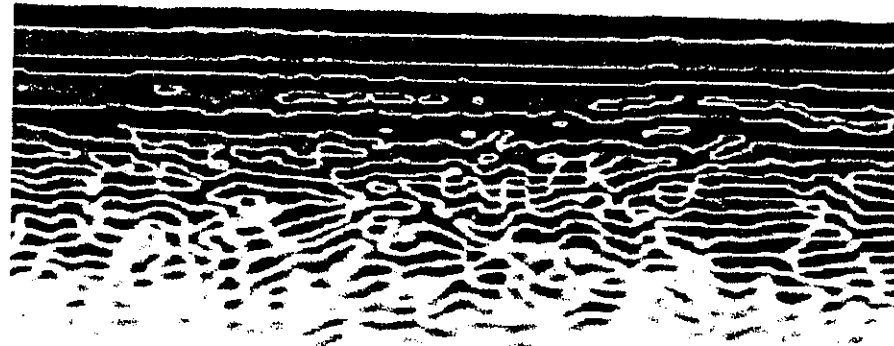
NOTE: The normal relationship between radar time and actual depth for the Northwest Region is approximately 4 to 4.5 nanoseconds per foot. It should be noted, that this relationship holds true in a general sense. Variations of water content, silt content, void space and other factors, such as the presence of concrete flooring, may also change this relationship.

	9816 271 st Street NW Stanwood, Washington		FIGURE 2
	FILE NO. 05.4064	DATE December 2005	

GPR Imagery - Target #2

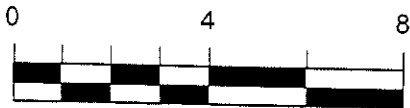
East

West



↑
Top of potential UST

← →
Approximate location of potential UST



Approximate Scale 1" = 4'

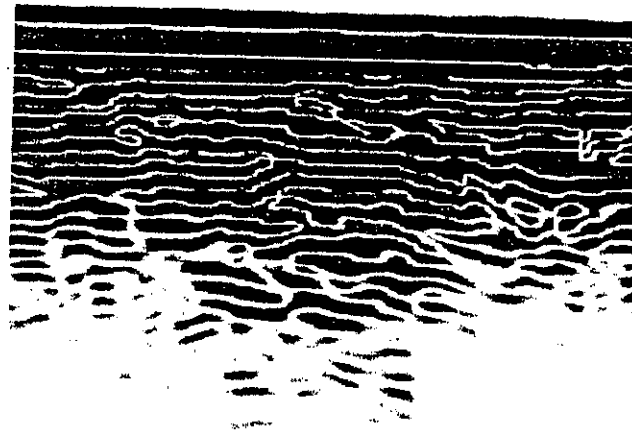
NOTE: The normal relationship between radar time and actual depth for the Northwest Region is approximately 4 to 4.5 nanoseconds per foot. It should be noted, that this relationship holds true in a general sense. Variations of water content, silt content, void space and other factors, such as the presence of concrete flooring, may also change this relationship.

	9816 271 st Street NW Stanwood, Washington		FIGURE 3
	FILE NO. 05.4064	DATE December 2005	

GPR Imagery - Target #3

South

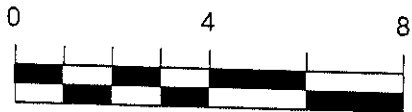
North



Top of potential UST




Approximate location of potential UST



Approximate Scale 1" = 4'

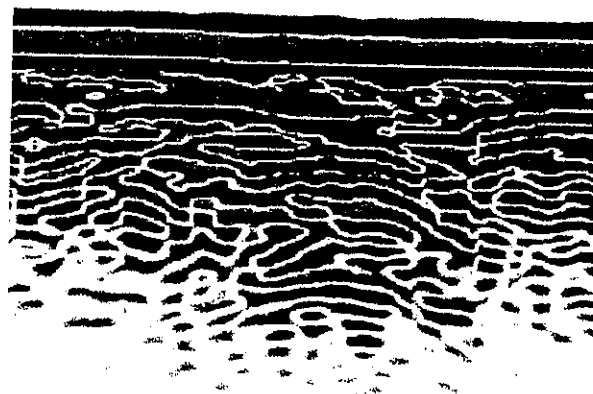
NOTE: The normal relationship between radar time and actual depth for the Northwest Region is approximately 4 to 4.5 nanoseconds per foot. It should be noted, that this relationship holds true in a general sense. Variations of water content, silt content, void space and other factors, such as the presence of concrete flooring, may also change this relationship.

 <p>QG APOLLO GEOPHYSICS</p>	9816 271 st Street NW Stanwood, Washington		FIGURE 4
	FILE NO. 05.4064	DATE December 2005	

GPR Imagery - Target #4

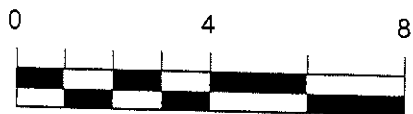
East

West




↑
Top of potential UST

← →
Approximate location of potential UST



Approximate Scale 1" = 4'

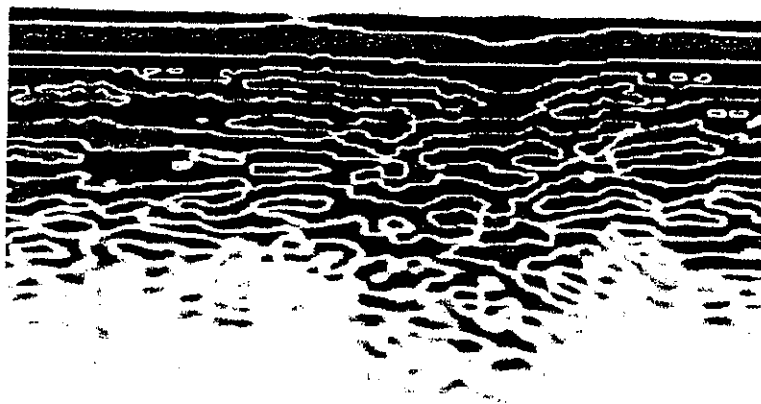
NOTE: The normal relationship between radar time and actual depth for the Northwest Region is approximately 4.5 nanoseconds per foot. It should be noted, that this relationship holds true in a general sense. Variations of water content, silt content, void space and other factors, such as the presence of concrete flooring, may also change this relationship.

 APOLLO GEOPHYSICS	9816 271 st Street NW Stanwood, Washington	FIGURE 5
	FILE NO. 05.4064	DATE December 2005

GPR Imagery - Target #5

North

South




↑
Top of potential
Auto Hoist

← →
Approximate location
of potential Auto Hoist



Approximate Scale 1" = 4'

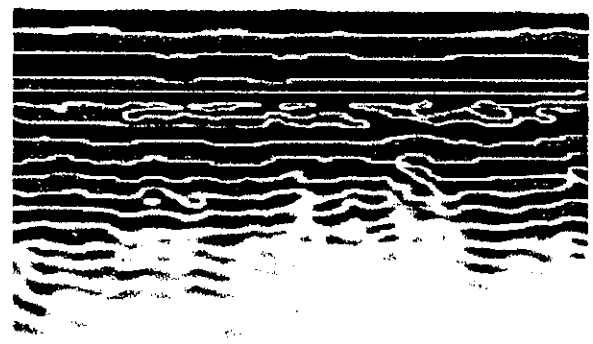
NOTE: The normal relationship between radar time and actual depth for the Northwest Region is approximately 4 to 4.5 nanoseconds per foot. It should be noted, that this relationship holds true in a general sense. Variations of water content, silt content, void space and other factors, such as the presence of concrete flooring, may also change this relationship.

 APOLLO GEOPHYSICS	9816 271 st Street NW Stanwood, Washington		FIGURE 6
	FILE NO. 05.4064	DATE December 2005	

GPR Imagery - Target #6

South

North




↑
Top of potential
Auto Hoist

← →
Approximate location
of potential Auto Hoist



Approximate Scale 1" = 4'

NOTE: The normal relationship between radar time and actual depth for the Northwest Region is approximately 4 to 4.5 nanoseconds per foot. It should be noted, that this relationship holds true in a general sense. Variations of water content, silt content, void space and other factors, such as the presence of concrete flooring, may also change this relationship.

 APOLLO GEOPHYSICS	9816 271 st Street NW Stanwood, Washington	FIGURE 7
	FILE NO. 05.4064	DATE December 2005

APPENDIX B

Soil Boring and Well Completion Logs

BORING LOG

Page 1 of 1



Well No: SB-1

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/07/2006

Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger
 Sampling Method: Grab Sample

Total Depth: 5.0 Ft
 GW Depth: 0.0 Ft

Recov.	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0	Moist			Gm		Brown silty gravel with sand No odor, no sheen (fill).
				32.1			
		Moist		6.2	SM		Brown silty fine to medium sand with occasional gravel, no odor, no sheen (fill).
				9.5			
	5			27.8			
	5.5						

Abandoned at 5 ft per PM on 02/07/06. Borig completed south of potential hoist



BORING LOG

Page 1 of 2

Well No: SB-2

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/09/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger, Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 3.0 Ft

Recov.	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0						
		Moist		19.3	GP	(Dotted pattern)	Brown gravel with silt, Heavy sheen, strong odor (fill)
				152.7			
		Moist		116.3	CL	(Diagonal hatching)	Gray/black clay with organics, heavy sheen, strong odor (fill). Collected SB-2.3.
	5			114.6			
		Moist		1,889			Gray silt with trace of fine sand, slight sheen, slight odor.
				710	ML	(Vertical lines)	
		Moist					Gray sandy silt, no sheen, moderate odor.
	10						



BORING LOG

Well No: SB-2

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/09/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger, Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 3.0 Ft

Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	10			40.3			
		Moist		29.6			Gray sandy silt, no sheen, moderate odor.
	15			114.1			
		Moist		20.8	ML		Grades to heavy sheen and strong odor. Collected SB-2-14.
				149.3			
		Moist		92.4			Grades to no sheen and no odor. Collected SB-2-18.
	20.0			48.5			

Boring completed west of old UST excavation.



BORING LOG

Well No: SB-3/MW-4

Chevron Site No: 305192

Site Location: 9816 271st St, NW, Stanwood, WA

Date: 02/09/2006



Well Diameter: 2 in

Well Depth: 14 Ft

Well Screen: 4-14 Pre-Pack well

Filter Pack: Silica Sand

Driller: Geotech Explorations Inc.

Drilling Method: Air-Knife, Direct-Push

Sampling Method: Grab Sample, Dual-Tube Sampler

Consultant: SAIC, Bothell, WA Well Casing: Sch 40, 0.10 slot

Total Depth: 20.0 Ft

GW Depth: 4.0 Ft

TOC Elev: 100.00

Recov	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description	Well Construction
	0							
		Moist			GM		Brown gravel with fine to medium sand and silt, no sheen, no odor, (fill).	
	5	Wet		280.3	CL		Gray clay, no sheen, no odor.	
		Wet		2155	ML		Gray clayey silt, slight sheen, strong odor Collected SB-3-6.	
	10	Moist					Grades to slight sheen and slight odor.	



Well Diameter: 2 in

Well Depth: 14 Ft

Well Screen: 4-14 Pre-Pack well

Filter Pack: Silica Sand

Driller: Geotech Explorations Inc.

Drilling Method: Air-Knife, Direct-Push.

Sampling Method: Grab Sample, Dual-Tube Sampler

Consultant: SAIC, Bothell, WA Well Casing: Sch 40, 0.10 slot

Total Depth: 20.0 Ft

GW Depth: 4.0 Ft

TOC Elev: 100.00

Recov	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description	Well Construction
	10	Moist		170			grades to gray silt, slight sheen, slight odor.	
		Moist		246.6			Grades to no odor.	
	15			111.4	ML			
		Moist		23.3				
				119.2			Grades to no odor and no sheen. Collected SB-3-15.	
				17.6				
	20.0			0.0				Backfill

Boring completed in SW corner of property. Installed MW-4

BORING LOG



Well No: SB-4

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/07/2006

Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger
 Sampling Method: Grab Sample

Total Depth: 5.0 Ft
 GW Depth: 4.0 Ft

Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0						
		Moist		14.6	GM		Brownish black gravel with silt and sand, occasional brick pieces, slight sheen, no odor (fill).
		Moist		14.6	CL		Gray clay, slight sheen and no odor.
	5.0						

Boring abandoned at 5 ft per PM on 02/07/06. Boring completed west of GPR-3.



BORING LOG

Well No: SB-5/MW-1

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/07/2006



Well Diameter: 2 in

Well Depth: 15 Ft

Well Screen: 5-15' Pre-Pack Well

Filter Pack: Silica Sand

Driller: Geotech Explorations Inc.

Drilling Method: Air-Knife, Direct-Push

Sampling Method: Grab Sample, Dual-Tube Sampler

Consultant: SAIC, Bothell, WA Well Casing: Sch 40, 0.10 slot

Total Depth: 24.0 Ft

GW Depth: 3.0 Ft

TOC Elevation: 98.32

Recov	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description	Well Construction
	0	Moist			GP	1" asphalt underlain by brown gravel with silt and fine to medium sand, no sheen, no odor (fill).	
	3.0	Wet		27.1	ML		Gray fine sandy silt, no sheen, no odor	
	5.0			42.7				
	10.0	Wet		103.2	CL	\\\\	Gray clay with organics, no sheen, no odor.	
	15.0			214				

▼ Boring GW Depth



Well Diameter: 2 in

Well Depth: 15 Ft

Well Screen: 5-15' Pre-Pack Well

Filter Pack: Silica Sand

Driller: Geotech Explorations Inc.

Drilling Method: Air-Knife, Direct-Push

Sampling Method: Grab Sample, Dual-Tube Sampler

Consultant: SAIC, Bothell, WA Well Casing: Sch 40, 0.10 slot

Total Depth: 24.0 Ft

GW Depth: 3.0 Ft

TOC Elevation: 98.32

Recov.	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description	Well Construction
	10	Wet		16.3	CL		Gray clay with organics, no sheen, no odor.	<p>Filter Pack Silica Sand</p> <p>Screen Pre-Pack Well</p> <p>Backfill</p>
	15	Moist		118.2				
				53	ML		Gray silt, no sheen, no odor. Collected SB-5-18.	
				75.9				
	20			323				



Well Diameter: 2 in

Well Depth: 15 Ft

Well Screen: 5-15' Pre-Pack Well

Filter Pack: Silica Sand

Driller: Geotech Explorations Inc.

Drilling Method: Air-Knife, Direct-Push

Sampling Method: Grab Sample, Dual-Tube Sampler

Consultant: SAIC, Bothell, WA Well Casing: Sch 40, 0.10 slot

Total Depth: 24.0 Ft

GW Depth: 3.0 Ft

TOC Elevation: 98.32

Recov	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description	Well Construction
	20			171.3			Gray silt, no sheen, no odor. Collected SB-5-18	Backfill
		Moist		53.7	ML			
	24.0	Moist					Grades to fine sandy silt, no sheen, no odor.	

Boring completed in NW corner of property. Installed MW-1.

BORING LOG



Well No: SB-6

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/08/2006

Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger, Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 2.0 Ft

Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0	Moist			GP	Dotted pattern	Brown gravel with sand and silt, no sheen, no odor (fill).
	2.0	Moist		19.3	CL	Diagonal hatching	Gray clay, no sheen, no odor.
	4.0	Moist		5.8			
	6.0	Moist		53.5			
	8.0	Moist		1872	SM	Vertical lines	Gray silty fine to medium sand with wood pieces and organics, nos sheen, musty odor. Collected SB-6-6.
	10.0	Moist		454	ML	Vertical lines	Gray fine sandy silt, no sheen, no odor. Collected SB-6-14.



BORING LOG

Well No: SB-6

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/08/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger, Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 2.0 Ft

Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	10			192.6			
				141.2			
				159.6			
	15	Moist			ML		Gray fine sandy silt. no sheen, no odor. Collected SB-6-14.
				152.2			
				100.1			
				15.6			

20.0

Boring completed west of pump islands



BORING LOG

Page 1 of 1

Well No: SB-7

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/07/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger
 Sampling Method: Grab Sample

Total Depth: 4.0 Ft
 GW Depth: 2.0 Ft

Recov.	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0	Moist			GP	•••••	Brown gravel with silt and sand, no sheen, no odor (fill).
	▼	Wet		179.2	ML		Gray fine sandy silt, no sheen, no odor. Refusal at 4 feet.
	4.0						

Boring abandoned at 4 ft per PM due to refusal on 02/07/06.
 Boring completed south of Pump Islands.



BORING LOG

Well No: SB-8

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/07/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger, Air-Knife
 Sampling Method: Grab Sample

Total Depth: 8.0 Ft
 GW Depth: 5.0 Ft

Recov.	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0	Moist			GP		Brown gravel with sand and silt. no sheen. no odor (fill).
	1.9	Moist			CL		Gray clay. no sheen, no odor.
	203.2						
	5	Wet			ML		Brownish gray fine sandy silt, no sheen. slight odor. Collected SB-8-6.
	613						
	217						
	8.0						

Boring abandoned at 8 ft per PM on 02/07/06. Boring completed north of pump islands.



BORING LOG

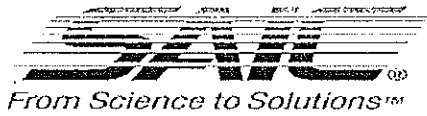
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Well No: SB-9

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/07/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger
 Sampling Method: Grab Sample

Total Depth: 5.0 Ft
 GW Depth: 4.0 Ft

Recov.	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0						
		Moist			CL		Gray clay, no sheen, no odor.
		Moist		28.6	ML		Gray silt, no sheen, no odor.
	5.0						

Boring abandoned at 5 ft per PM on 02/07/06. Boring completed SE of pump islands.



BORING LOG

Well No: SB-10/MW-3

Chevron Site No: 305192

Site Location: 9816 271st St, NW, Stanwood, WA

Date: 02/08/2006



Well Diameter: 2 in

Well Depth: 14 Ft

Well Screen: 4-14 Pre-Pack Well

Filter Pack: Silica Sand

Driller: Geotech Explorations Inc.

Drilling Method: Air-Knife, Direct-Push

Sampling Method: Grab Sample, Dual-Tube Sampler

Consultant: SAIC, Bothell, WA Well Casing: Sch 40, 0.10 slot

Total Depth: 20.0 Ft

GW Depth: 3.0 Ft

TOC Elevation: 99.16

Recov	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description	Well Construction
	0							
		Moist		28.3	GM		Brown gravel with silt and fine to medium sand, no odor, no sheen (fill).	
		Moist		1238	CL		Gray clay, no sheen, no odor. Grades to slight odor at 4 feet.	
	5	Wet		497	ML		Brownish gray fine sandy silt with occasional fine gravel, slight sheen, slight odor. Collected SB-10-6.	
		Wet		98.2			Gray to black clayey silt, no sheen, no odor.	
		Moist					Gray silt with organics, no sheen, no odor. Collected SB-10-16.	
	10							

▼ Boring GW Depth

Well No: SB-10/MW-3

Chevron Site No: 305192

Site Location: 9816 271st St, NW, Stanwood, WA

Date: 02/08/2006



Well Diameter: 2 in

Well Depth: 14 Ft

Well Screen: 4-14 Pre-Pack Well

Filter Pack: Silica Sand

Driller: Geotech Explorations Inc.

Drilling Method: Air-Knife, Direct-Push

Sampling Method: Grab Sample, Dual-Tube Sampler

Consultant: SAIC, Bothell, WA Well Casing: Sch 40, 0.10 slot

Total Depth: 20.0 Ft

GW Depth: 3.0 Ft

TOC Elevation: 99.16

Recov	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description	Well Construction
	10			723				
				131.7				
				266.9				
	15	Moist			ML		Gray silt with organics, no sheen, no odor. Collected SB-10-16.	
				73.1				
				2.4				
	20.0			0.0				

Boring completed in product line trench from USTs to pump island. Installed MW-3.

BORING LOG

Well No: SB-11

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/08/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger, Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 19.0 Ft
 GW Depth: 5.0 Ft

Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0	Moist			GP		Brown gravel with fine to medium sand and silt, no sheen, slight odor (fill).
				4,463			
		Moist			CL		Gray clay with fine sand, heavy sheen strong odor.
				772.4			
	5	Wet			ML		Brownish gray silt with occasional fine gravel, moderate sheen, strong odor. Collected SB-11-6.
				1,232			
		Wet					Gray clayey silt, slight sheen, slight odor
				672			
	10						



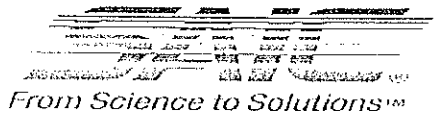
BORING LOG

Well No: SB-11

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/08/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger, Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 19.0 Ft
 GW Depth: 5.0 Ft

Recov.	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	10	Wet		291.2			Gray clayey silt, slight sheen, slight odor.
		Wet		291.7			Grades to no odor.
	15	Wet		540	ML		Grades to slight odor. Collected SB-11-14.
		Moist		168.3			Gray fine sandy silt, no sheen, no odor. Collected SB-11-19.
				247.3			
	19.0			23.3			

Boring completed east of old UST excavation.



BORING LOG

Well No: SB-12

Chevron Site No: 305192

Site Location: 9816 271st St, NW, Stanwood, WA

Date: 02/07/2006



Client: Chevron

Consultant: SAIC, Bothell, WA

Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.

Drilling Method: Hand Auger, Air-Knife, Direct-Push

Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 21.0 Ft

GW Depth: 4.5 Ft

Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0						
		Moist		332.7		[Diagonal Hatching Pattern]	Blackish gray silty clay, moderate sheen, strong odor.
		Wet		4,367	CL		Gray clay, black mottling with organics, slight sheen, moderate odor
		Moist		1,127			Grades to dark gray clay.
				237			
		Moist		236	ML	[Vertical Line Pattern]	Gray silt, no sheen, no odor. Collected SB-12-17.
	10						
	11						



BORING LOG

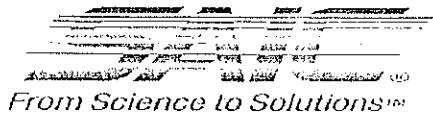
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Well No: SB-12

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/07/2006



Client: Chevron

Consultant: SAIC, Bothell, WA

Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.

Drilling Method: Hand Auger, Air-Knife, Direct-Push

Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 21.0 Ft

GW Depth: 4.5 Ft

Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	11			506.1			
		Moist		72.6			Gray silt, no sheen, no odor. Collected SB-12-17.
	15			39.5	ML		
		Moist		17.3			Grades to gray fine sandy silt, no sheen, no odor.
	20						
	21.0						

Boring completed in alley east of GPR-1.



BORING LOG

Well No: SB-13

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA



Date: 02/07/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 6.0 Ft

Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0						
		Moist		176.2	SM		Gray silty fine to medium sand with gravel, slight sheen, moderate odor
		Moist		148.7			Brownish gray clay with black organics, moderate sheen, strong odor.
	5			143	CL		Grades to slight odor
		Wet		334			
		Wet		13.1	ML		Brownish gray fine sandy silt, heavy sheen, strong odor. Collected SB-13-10.
	10						



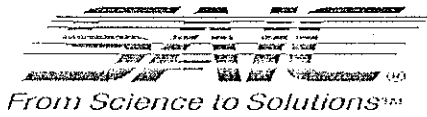
BORING LOG

Well No: SB-13

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/07/2006



Client: Chevron

Consultant: SAIC, Bothell, WA

Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.

Drilling Method: Air-Knife, Direct-Push

Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft

GW Depth: 6.0 Ft

Recov.	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	10	Wet		19.8	ML		Brownish gray fine sandy silt, heavy sheen strong odor. Collected SB-13-10.
		Wet		18.9	SM		Gray silty fine sand, heavy sheen, strong odor
		Wet		23.5	ML		Gray fine sandy silt, slight sheen, moderate odor
		Wet		16.7	SM		Gray silty fine sand with fine gravel, slight sheen, no odor.
	15	Moist		40.7			
				22.2	ML		Gray silt, slight sheen, no odor.
				60.4			
				25.9			
		Moist		88.6	ML		Gray fine sandy silt with lenses of silty fine sand, slight sheen, no odor. Collected SB-13-10.
				25.9			
	20.0			39.9			

Boring completed in alley west of GPR-1.



BORING LOG

Well No: SB-14/MW-2

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/07/2006



Well Diameter: 2 in

Well Depth: 14 Ft

Well Screen: 4-14 Pre-Pack Well

Filter Pack: Silica Sand

Driller: Geotech Explorations Inc.

Drilling Method: Air-Knife, Direct-Push

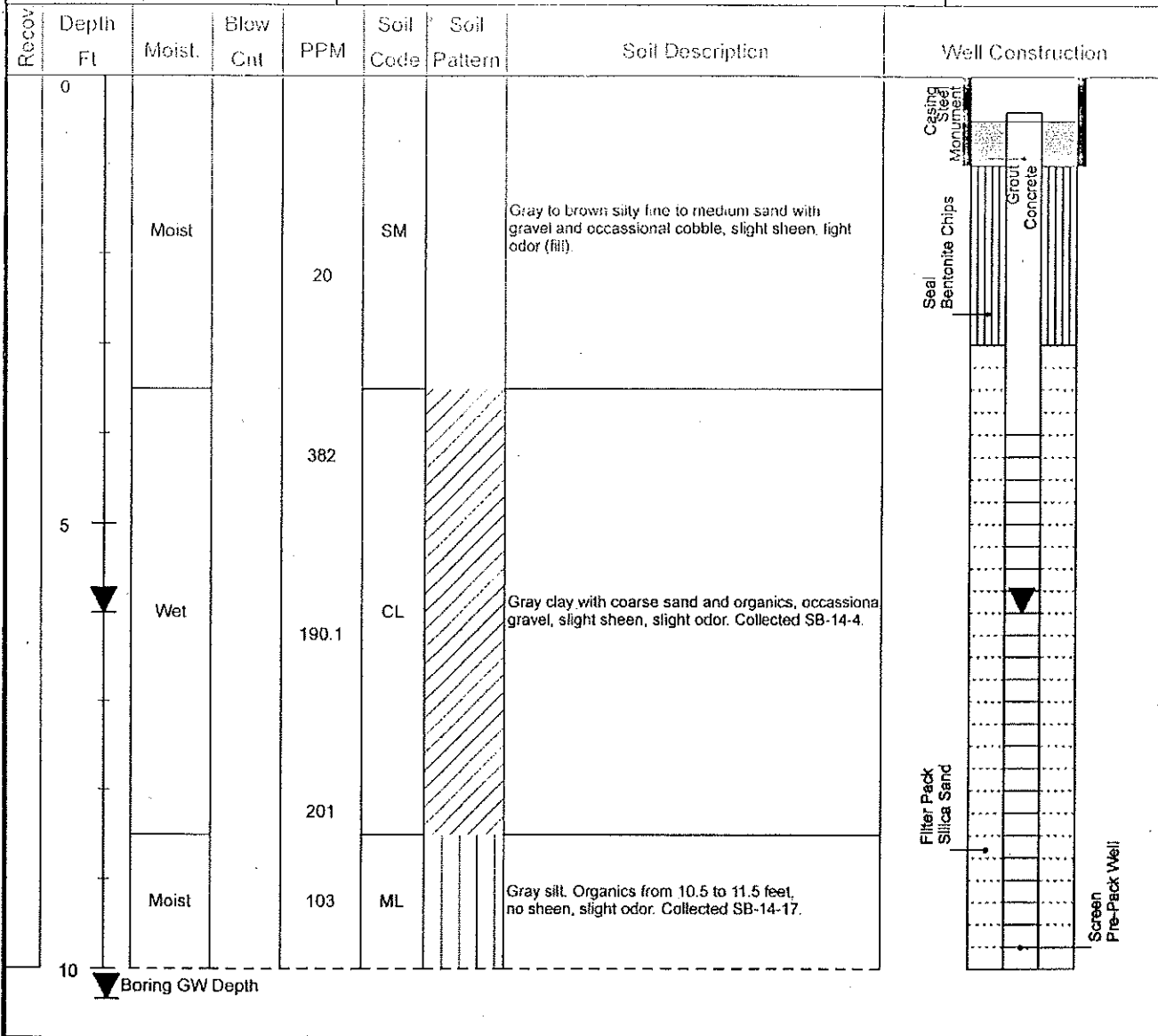
Sampling Method: Grab Sample, Dual-Tube Sampler

Consultant: SAIC, Bothell, WA Well Casing: Sch 40, 0.10 slot

Total Depth: 17.0 Ft

GW Depth: 6.0 Ft

TOC Elevation: 99.58



BORING LOG

Well No: SB-15

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/08/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger, Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Duel-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 14.0 Ft

Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0	Moist		692.9	SM		Brown silty fine to coarse sand with gravel and occasional cobbles, concrete chunks, slight sheen, slight odor (fill).
		Moist		420.3			Brownish gray silt with occasional gravel, no sheen, slight odor.
	5	Moist		477.4	ML		Grades to no gravel, slight sheen and no odor.
		Moist		557			Grades to no sheen.
		Wet					Gray fine sandy silt, no sheen, no odor.
	10						



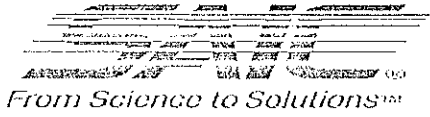
BORING LOG

Well No: SB-15

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/08/2006

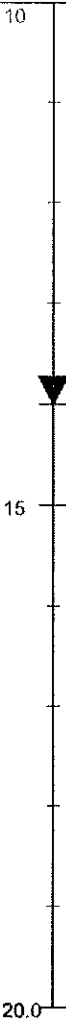


Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger, Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 14.0 Ft

Recov.	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	10	Wet		145.2			Gray fine sandy silt, no snoon, no odor
				416.4			
				13			
	15	Moist		570.1	ML		Grades to Moist. Collected SB-15-14.
				164.1			
		Moist		1.1			Grades to with occassional wood debris.
	20.0						



Boring completed south of GPR-3.



BORING LOG

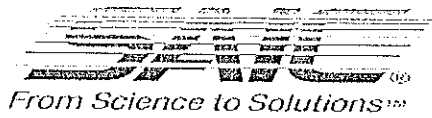
Page 1 of 2

Well No: SB-16

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/08/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger, Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 4.0 Ft

Recovery	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0	Moist		18.7			Gray fine sandy silt with gravel, slight sheen, no odor (fill).
	4.0	Wet		4,208.3			Gray silt with wood fragments, slight sheen, slight odor (fill).
	5.0	Wet		1,432.6	ML		Grades to no wood fragments.
	10.0	Wet		1,108			Gray silt, no sheen, no odor.



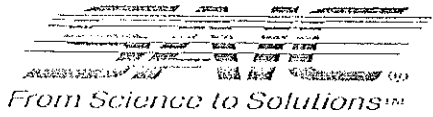
BORING LOG

Well No: SB-16

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/08/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Hand Auger, Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 4.0 Ft

Recov.	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	10	Wet		387.6	ML		Gray silt, no sheen, no odor
				65.8			
	15	Moist		131.6	SM		Gray fine sandy silt, no sheen, no odor. Collected SB-16-14.
				161.6			
		Moist		43.9			
				28.6			Gray Silty fine to medium sand, no sheen, no odor.
	20.0			0.0			

Boring completed in alley west of SB-13.



BORING LOG

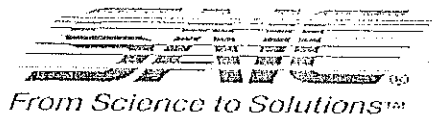
Page 1 of 1

Well No: SB-17

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/08/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Air-Knife
 Sampling Method: Grab Sample

Total Depth: 2.0 Ft
 GW Depth: 2.0 Ft

Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0						
		Wet			SM		Brown silty fine to medium sand, no sheen, no odor. Concrete pad refusal at 2 feet.
	2.0						

Boring completed east of SB-12, refusal in alley at 2 ft bgs, abandoned at 2 ft on 02/08/06.



BORING LOG

Page 1 of 2

Well No: SB-18

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/09/2006

From Science to Solutions™

Client: Chevron

Consultant: SAIC, Bothell, WA

Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.

Drilling Method: Air-Knife, Direct-Push

Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft

GW Depth: 3.5 Ft

Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0	Moist			SM		Gray silty fine to medium sand with occasional gravel, no sheen, slight odor (fill).
				1,605			
	5	Wet			ML		Gray silt with wood debris and occasional gravel, no sheen, slight odor (fill). Collected SB-18-4.
				1,902			
				478			
				282			
	10	Moist					Gray silt with occasional fine sand, no sheen, no odor. Collected SB-18-14.



BORING LOG

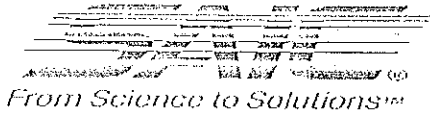
Page 2 of 2

Well No: SB-18

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/09/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 3.5 Ft

Recov.	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	10			1,242			
				94			
				152.5			
	15	Moist		77.9	ML		Gray silt with occasional fine sand, no sheen, no odor. Collected SB-18-14.
				94.3			
				27.6			
	20.0						

Boring completed north of GPR-4.



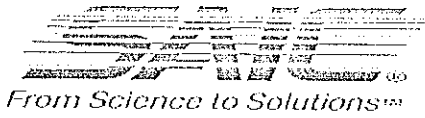
BORING LOG

Well No: SB-19

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/08/2006



Client: Chevron

Consultant: SAIC, Bothell, WA

Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.

Drilling Method: Air-Knife, Direct-Push

Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft

GW Depth: 1.0 Ft

Recov.	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0						
	1	Moist		162	SM		Brown silty fine sand, roots and occasional gravel, no sheen, slight odor (fill).
	4	Moist		114.2	ML		Light gray fine sandy silt, with roots and wood debris, no sheen, slight odor (fill).
	7	Wet					No Recovery.
	10	Moist			ML		Brownish gray silty fine to medium sand, no sheen, no odor.



BORING LOG

Page 2 of 2

Well No: SB-19

Chevron Site No: 305192

Site Location: 9316 271st St NW, Stanwood, WA

Date: 02/08/2005

From Science to Solutions™

Client: Chevron

Consultant: SAIC, Bothell, WA

Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.

Drilling Method: Air-Knife, Direct-Push

Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft

GW Depth: 1.0 Ft

Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	10	Moist		2.8			Brownish gray silt to fine to medium sand, no sheen, no odor
				6			
				1.9			
	15	Moist			ML		Gray fine sandy silt, no sheen, no odor. Bentonite added at 9 feet to keep hole open. Hole still caving at 16 feet. Little recovery to 20 feet. Collected SB-19-12
				3.8			
				2.6			
				0.9			
	20.0						

Boring completed north of GPR-3 and GPR-2.



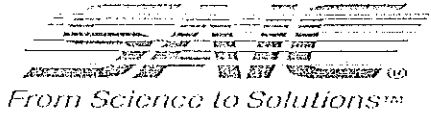
BORING LOG

Well No: SB-20

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/08/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 4.0 Ft

Recov.	Depth Ft	Moist.	Blew Count	PPM	Soil Code	Soil Pattern	Soil Description
	0	Moist		3.8			Gray silty, no sheen, slight odor (fill)
	4	Wet		20.1			Grades to occasional fine gravel (fill).
	5	Wet		40.1	ML		Grades to no gravel with occasional wood debris (fill).
	10	Wet		9			Grades to no wood debris (fill).



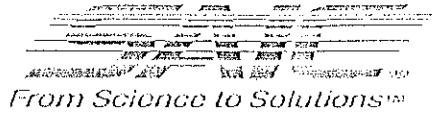
BORING LOG

Well No: SB-20

Chevron Site No: 305192

Site Location: 9316 271st St NW, Stanwood, WA

Date: 02/08/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 4.0 Ft

Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	10	Wet		3.8			Grades to no wood debris (fill)
		Moist		1.7			Grades to some wood debris and septic odor (fill). Collected SB-20-14.
	15	Moist		1.6	ML		
		Moist		1			Grades to no odor.
				0.8			
	20.0			0.5			

Boring completed south of GPR-2.



BORING LOG

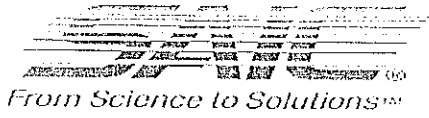
Page 1 of 1

Well No: SB-21

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/08/2006



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Air-Knife
 Sampling Method: Grab Sample

Total Depth: 8.0 Ft
 GW Depth: 4.0 Ft

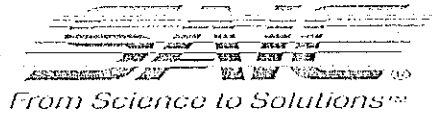
Recov	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0						
		Moist		64.3			Dark brown fine sandy silt with organics. no sheen, no odor.
					ML		
	5	Wet		298.1			Grades to Gray silt. Collected SB-21-6.
							No Recovery.
	8.0						

Boring completed immediately north of GPR-3.



BORING LOG

Page 1 of 2



Well No: SB-22

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/09/2006

Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 2.0 Ft

Recov.	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	0	dry			AS		Asphalt, 4 inches (fill).
		Dry			CMT		Concrete, 6 inches (fill)
		Wet		237.6			Gray silt with fine sand and organics, slight sheen, strong odor (fill)
		Wet		115.9			Grades to moderate odor (fill).
	5	Moist		382.6	ML		Grades to slight odor with wood debris (fill)
		Moist		68			Grades to no sheen and no odor. Collected SB-22-14
	10						



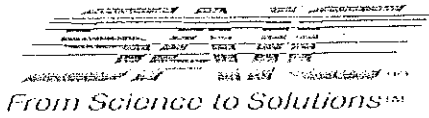
BORING LOG

Well No: SB-22

Chevron Site No: 305192

Site Location: 9816 271st St NW, Stanwood, WA

Date: 02/09/2008



Client: Chevron
 Consultant: SAIC, Bothell, WA
 Logged By: T. King, A. Wells

Driller: Geotech Explorations Inc.
 Drilling Method: Air-Knife, Direct-Push
 Sampling Method: Grab Sample, Dual-Tube Sampler

Total Depth: 20.0 Ft
 GW Depth: 2.0 Ft

Recov.	Depth Ft	Moist.	Blow Count	PPM	Soil Code	Soil Pattern	Soil Description
	10			78.2			
				141			
				162.1			
	15	Moist		191.2	ML		Grades to no sheen and no odor. Collected SB-22-14.
				141			
				66			
	20.0						

Boring completed east of SB-11.



APPENDIX C

Laboratory Analytical Reports and Chain of Custody Forms

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425SAMPLE GROUP

The sample group for this submittal is 971797. Samples arrived at the laboratory on Tuesday, December 20, 2005. The PO# for this group is 99011184 and the release number is HUNTER.

Client DescriptionSB-2-3 Grab Soil Sample
SB-11-4 Grab Soil SampleLancaster Labs Number4674564
4674565ELECTRONIC SAIC
COPY TO

Attn: Tina King



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Teresa L. Cunningham at (717) 656-2300

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Elizabeth A. Smith'.

Elizabeth A. Smith
Senior Specialist



Analysis Report

25 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. SW 4674564

SB-2-3 Grab Soil Sample
 Facility# 305192
 9816 271st St NW-Stanwood, WA
 Collected: 12/19/2005 09:30 by TK

Account Number: 11255

Submitted: 12/20/2005 10:50
 Reported: 01/03/2006 at 14:23
 Discard: 02/03/2006

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

271-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. A poor surrogate recovery was observed due to the dilution needed to perform the analysis.	n.a.	340.	15.	mg/kg	379.9
02214	TPH by NWTPH-Dx(soils) w/SiGel					
J2097	Diesel Range Organics	n.a.	1,200.	300.	mg/kg	100
02098	Heavy Range Organics The observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range later than #2 fuel. Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.	n.a.	8,700.	1,000.	mg/kg	100
05878	BTEX					
02174	Benzene	71-43-2	0.3	0.008	mg/kg	38
02177	Toluene	108-88-3	N.D.	0.08	mg/kg	38
02178	Ethylbenzene	100-41-4	0.1	0.008	mg/kg	38
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for the compound listed below. The presence or concentration of this compound cannot be determined due to the presence of this interferent. toluene	1330-20-7	2.1	0.02	mg/kg	38

State of Washington Lab Certification No. C259

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Date and Time	Analyst	Dilution Factor
306	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	12/22/2005 16:22	Linda C Pape	379.9



Analysis Report

.425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. SW 4674564

SB-2-3 Grab Soil Sample
Facility# 305192
9816 271st St NW-Stanwood, WA
Collected:12/19/2005 09:30 by TK

Account Number: 11255

Submitted: 12/20/2005 10:50
Reported: 01/03/2006 at 14:23
Discard: 02/03/2006

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Sample ID	Method	SW	QC	Date/Time	Analyst	Result
271-3						
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	01/02/2006 14:02	Matthew E Barton	100
05878	BTEX	SW-846 8021B	1	12/22/2005 10:00	Christopher A Guessford	38
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	12/20/2005 15:25	Justin M Bowers	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	12/20/2005 15:26	Justin M Bowers	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	3	12/20/2005 15:28	Justin M Bowers	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	12/29/2005 10:50	Olivia Arosemena	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. SW 4674565

SB-11-4 Grab Soil Sample
 Facility# 305192
 9816 271st St NW-Stanwood, WA
 Collected: 12/19/2005 13:20 by TK

Account Number: 11255

Submitted: 12/20/2005 10:50
 Reported: 01/03/2006 at 14:23
 Discard: 02/03/2006

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

271-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils	n.a.	2,000.	390.	mg/kg	9803.9
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. A poor surrogate recovery was observed due to the dilution needed to perform the analysis.						
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	68.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	230.	10.	mg/kg	1
The observed sample pattern is not typical of #2 fuel/diesel. It contains two patterns in the DRO range, one earlier and one later than #2 fuel.						
05878	BTEX					
02174	Benzene	71-43-2	23.	2.0	mg/kg	9803.9
02177	Toluene	108-88-3	25.	2.0	mg/kg	9803.9
02178	Ethylbenzene	100-41-4	44.	2.0	mg/kg	9803.9
02182	Total Xylenes	1330-20-7	240.	5.9	mg/kg	9803.9
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. A poor surrogate recovery was observed due to the dilution needed to perform the analysis.						

State of Washington Lab Certification No. C259

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	12/22/2005 12:34	Linda C Pape	9803.9
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	01/02/2006 15:13	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	12/22/2005 12:34	Linda C Pape	9803.9
6130	GC - 5 g HL Encore Prep	SW-846 5035	1	12/20/2005 15:27	Justin M Bowers	n.a.
6130	GC - 5 g HL Encore Prep	SW-846 5035	2	12/20/2005 15:29	Justin M Bowers	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	3	12/20/2005 15:30	Justin M Bowers	n.a.

Lancaster Laboratories Sample No. SW 4674565

SB-11-4 Grab Soil Sample

Facility# 305192

9816 271st St NW-Stanwood, WA

Collected: 12/19/2005 13:20 by TK

Submitted: 12/20/2005 10:50

Reported: 01/03/2006 at 14:23

Discard: 02/03/2006

Account Number: 11255

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

271-4

07024 DRO Alternate Soil
ExtractionECY 97-602 NWTPH-DX
06/97

1 12/29/2005 10:50 Olivia Arosemena 1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 01/03/06 at 02:24 PM

Group Number: 971797

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 05356A34A	Sample number(s): 4674564-4674565							
TPH by NWTPH-Gx soils	N.D.	1.0	mg/kg	84	90	67-119	7	30
Benzene	N.D.	0.005	mg/kg	98	96	76-118	2	30
Toluene	N.D.	0.005	mg/kg	98	96	72-115	2	30
Ethylbenzene	N.D.	0.005	mg/kg	100	97	77-115	4	30
Total Xylenes	N.D.	0.02	mg/kg	102	99	78-115	3	30
Batch number: 053620016A	Sample number(s): 4674564-4674565							
Diesel Range Organics	N.D.	3.0	mg/kg	77		60-120		
Heavy Range Organics	N.D.	10.	mg/kg					

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 053620016A	Sample number(s): 4674564-4674565								
Diesel Range Organics						1,200.	1,300.	3 (1)	20
Heavy Range Organics						8,700.	9,500.	9 (1)	20

Surrogate Quality Control

 Analysis Name: TPH by NWTPH-Gx soils
 Batch number: 05356A34A

	<u>Trifluorotoluene-F</u>	<u>Trifluorotoluene-P</u>
4674564	14*	71
4674565	2*	2*
Blank	86	97
LCS	94	96
LCSD	78	101
Limits:	61-122	55-124

 Analysis Name: TPH by NWTPH-Dx(soils) w/SiGel
 Batch number: 053620016A
 Orthoterphenyl

4674564	146*
---------	------

*- Outside of specification

- 1) The result for one or both determinations was less than five times the LOQ.
- 2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 01/03/06 at 02:24 PM

Group Number: 971797

Surrogate Quality Control

4674565	83
Blank	102
DUP	171*
LCS	114

Limits: 65-143

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

) The background result was more than four times the spike added.

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns $>25\%$
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is $<CRDL$, but $\geq IDL$
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425**SAMPLE GROUP**

The sample group for this submittal is 977517. Samples arrived at the laboratory on Thursday, February 09, 2006. The PO# for this group is 99011184 and the release number is HUNTER.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
SB-5-18 Grab Soil Sample	4706381
SB-14-4 Grab Soil Sample	4706382
SB-12-17 Grab Soil Sample	4706383
SB-14-17 Grab Soil Sample	4706384
SB-13-10 Grab Soil Sample	4706385
SB-13-20 Grab Soil Sample	4706386
SB-8-6 Grab Soil Sample	4706387
SB-10-6 Grab Soil Sample	4706388
SB-11-6 Grab Soil Sample	4706389
SB-11-14 Grab Soil Sample	4706390
SB-11-19 Grab Soil Sample	4706391
SB-10-16 Grab Soil Sample	4706392
SB-3-6 Grab Soil Sample	4706393
SB-15-14 Grab Soil Sample	4706394
SB-3-15 Grab Soil Sample	4706395
SB-16-14 Grab Soil Sample	4706396
SB-18-4 Grab Soil Sample	4706397
SB-6-6 Grab Soil Sample	4706398
SB-19-4 Grab Soil Sample	4706399
SB-20-6 Grab Soil Sample	4706400
SB-21-6 Grab Soil Sample	4706401
SB-20-14 Grab Soil Sample	4706402
SB-16-4 Grab Soil Sample	4706403



Analysis Report

2425 New Holland Pike PO Box 12425 Lancaster PA 17605 2425 • 717-656-2300 Fax 717-656-2681 • www.lancastorlabs.com

ELECTRONIC ChevronTexaco
COPY TO
ELECTRONIC SAIC
COPY TO

Attn: Peter Caterall

Attn: Tina King

Questions? Contact your Client Services Representative
Teresa L Cunningham at (717) 656-2300

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Robin C. Runkle".

Robin C. Runkle
Senior Specialist

Lancaster Laboratories Sample No. SW 4706381

SB-5-18 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/07/2006 10:58

by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ST518

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	n.a.	N.D.	1.0	mg/kg	25
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.005	mg/kg	25
02177	Toluene	108-88-3	N.D.	0.005	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	25
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	1330-20-7	N.D.	0.02	mg/kg	25

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006	03:54	Christopher A Guessford	25
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/15/2006	17:23	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/10/2006	03:54	Christopher A Guessford	25
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006	12:20	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	02/09/2006	20:00	Sally L Appleyard	1

Lancaster Laboratories Sample No. SW 4706382

 SB-14-4 Grab Soil Sample
 Facility# 305192
 9816 271st St NE-Stanwood, WA
 Collected: 02/07/2006 12:15 by TK

Account Number: 11255

 Submitted: 02/09/2006 09:10
 Reported: 02/27/2006 at 17:00
 Discard: 03/30/2006

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

ST144

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
06955	Lead	7439-92-1	35.4	Detection Limit 0.780	mg/kg	1
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils	n.a.	19.	1.2	mg/kg	29.3
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	25.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	73.	10.	mg/kg	1
	The observed sample pattern is not typical of #2 fuel/diesel. It contains two patterns in the DRO range, one earlier and one later than #2 fuel.					
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.02	mg/kg	29.3
02177	Toluene	108-88-3	0.07	0.006	mg/kg	29.3
02178	Ethylbenzene	100-41-4	N.D.	0.04	mg/kg	29.3
02182	Total Xylenes	1330-20-7	N.D.	0.08	mg/kg	29.3
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. Due to the presence of interferents near their retention time, normal reporting limits were not attained for benzene, ethylbenzene or total xylenes. The presence or concentration of these compounds cannot be determined below the reporting limits due to the presence of these interferents.					
03983	EPA SW 846/8260 - Soil					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.07
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.07
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.07
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.07
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	mg/kg	1.07
06293	Acetone	67-64-1	0.040	0.007	mg/kg	1.07
06294	Carbon Disulfide	75-15-0	0.002	0.001	mg/kg	1.07
06296	2-Butanone	78-93-3	0.008	0.004	mg/kg	1.07
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	mg/kg	1.07
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	mg/kg	1.07
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	mg/kg	1.07
06300	2-Hexanone	591-78-6	N.D.	0.003	mg/kg	1.07

Lancaster Laboratories Sample No. SW 4706382

SB-14-4 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/07/2006 12:15 by TK

Account Number: 11255

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

 Submitted: 02/09/2006 09:10
 Reported: 02/27/2006 at 17:00
 Discard: 03/30/2006

ST144

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
				Detection Limit		
08199	Freon 113	76-13-1	N.D.	0.002	mg/kg	1.07
05441	EPA SW846/8260 (soil)					
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.002	mg/kg	1.07
05444	Chloromethane	74-87-3	N.D.	0.002	mg/kg	1.07
05445	Vinyl Chloride	75-01-4	N.D.	0.001	mg/kg	1.07
05446	Bromomethane	74-83-9	N.D.	0.002	mg/kg	1.07
05447	Chloroethane	75-00-3	N.D.	0.002	mg/kg	1.07
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	mg/kg	1.07
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	mg/kg	1.07
05450	Methylene Chloride	75-09-2	N.D.	0.002	mg/kg	1.07
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	mg/kg	1.07
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	mg/kg	1.07
05453	2,2-Dichloropropane	594-20-7	N.D.	0.001	mg/kg	1.07
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	mg/kg	1.07
05455	Chloroform	67-66-3	N.D.	0.001	mg/kg	1.07
05456	Bromochloromethane	74-97-5	N.D.	0.001	mg/kg	1.07
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	mg/kg	1.07
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	mg/kg	1.07
05459	1,1-Dichloropropene	563-58-6	N.D.	0.001	mg/kg	1.07
05460	Benzene	71-43-2	0.020	0.0005	mg/kg	1.07
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.07
05462	Trichloroethene	79-01-6	N.D.	0.001	mg/kg	1.07
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	mg/kg	1.07
05464	Dibromomethane	74-95-3	N.D.	0.001	mg/kg	1.07
05465	Bromodichloromethane	75-27-4	N.D.	0.001	mg/kg	1.07
05466	Toluene	108-88-3	0.012	0.001	mg/kg	1.07
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	mg/kg	1.07
05468	Tetrachloroethene	127-18-4	N.D.	0.001	mg/kg	1.07
05469	1,3-Dichloropropane	142-28-9	N.D.	0.001	mg/kg	1.07
05470	Dibromochloromethane	124-48-1	N.D.	0.001	mg/kg	1.07
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.07
05472	Chlorobenzene	108-90-7	N.D.	0.001	mg/kg	1.07
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.001	mg/kg	1.07
05474	Ethylbenzene	100-41-4	0.003	0.001	mg/kg	1.07
05475	m+p-Xylene	1330-20-7	0.017	0.001	mg/kg	1.07
05476	o-Xylene	95-47-6	0.006	0.001	mg/kg	1.07
05477	Styrene	100-42-5	N.D.	0.001	mg/kg	1.07
05478	Bromoform	75-25-2	N.D.	0.001	mg/kg	1.07
05479	Isopropylbenzene	98-82-8	0.045	0.001	mg/kg	1.07
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	mg/kg	1.07

Lancaster Laboratories Sample No. SW 4706382

 SB-14-4 Grab Soil Sample
 Facility# 305192
 9816 271st St NE-Stanwood, WA
 Collected: 02/07/2006 12:15

by TK

Account Number: 11255

 Submitted: 02/09/2006 09:10
 Reported: 02/27/2006 at 17:00
 Discard: 03/30/2006

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

ST144

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method Detection Limit		
05481	Bromobenzene	108-86-1	N.D.	0.001	mg/kg	1.07
05482	1,2,3-Trichloropropane	96-18-4	N.D.	0.001	mg/kg	1.07
05483	n-Propylbenzene	103-65-1	0.13	0.001	mg/kg	1.07
05484	2-Chlorotoluene	95-49-8	N.D.	0.001	mg/kg	1.07
05485	1,3,5-Trimethylbenzene	108-67-8	0.005	0.001	mg/kg	1.07
05486	4-Chlorotoluene	106-43-4	N.D.	0.001	mg/kg	1.07
05487	tert-Butylbenzene	98-06-6	N.D.	0.001	mg/kg	1.07
05488	1,2,4-Trimethylbenzene	95-63-6	0.007	0.001	mg/kg	1.07
05489	sec-Butylbenzene	135-98-8	0.022	0.001	mg/kg	1.07
05490	p-Isopropyltoluene	99-87-6	0.004	0.001	mg/kg	1.07
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	mg/kg	1.07
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	mg/kg	1.07
05493	n-Butylbenzene	104-51-8	0.028	0.001	mg/kg	1.07
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	mg/kg	1.07
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	mg/kg	1.07
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	mg/kg	1.07
05497	Hexachlorobutadiene	87-68-3	N.D.	0.002	mg/kg	1.07
05498	Naphthalene	91-20-3	0.001	0.001	mg/kg	1.07
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.001	mg/kg	1.07

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
06955	Lead	SW-846 6010B	1	02/14/2006 08:47	Eric L Eby	1
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006 04:30	Christopher A Guessford	29.3
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/15/2006 18:36	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/10/2006 04:30	Christopher A Guessford	29.3
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	02/14/2006 16:32	Kenneth L Boley Jr	1.07
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	02/14/2006 16:32	Kenneth L Boley Jr	1.07
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/13/2006 20:30	Annamaria Stipkovits	1

Lancaster Laboratories Sample No. SW 4706382

SB-14-4 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/07/2006 12:15

by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ST144

06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006 12:20	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPh-Dx 06/97	1	02/09/2006 20:00	Sally L Appleyard	1
07578	GC/MS-HL Encore Prep-NC	SW-846 5035	1	02/09/2006 12:51	Stephanie A Sanchez	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	1	02/09/2006 12:50	Stephanie A Sanchez	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	02/09/2006 12:50	Stephanie A Sanchez	n.a.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW 4706385

SB-13-10 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/07/2006 14:30 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

S1310

Lancaster Laboratories Sample No. SW 4706386

 SB-13-20 Grab Soil Sample
 Facility# 305192
 9816 271st St NE-Stanwood, WA
 Collected: 02/07/2006 14:45 by TK

Account Number: 11255

 Submitted: 02/09/2006 09:10
 Reported: 02/27/2006 at 17:00
 Discard: 03/30/2006

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

S1320

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	n.a.	N.D.	0.9	mg/kg	22.4
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.004	mg/kg	22.4
02177	Toluene	108-88-3	N.D.	0.004	mg/kg	22.4
02178	Ethylbenzene	100-41-4	N.D.	0.004	mg/kg	22.4
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	1330-20-7	N.D.	0.01	mg/kg	22.4

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006	06:53	Christopher A Guessford	22.4
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/15/2006	19:48	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/10/2006	06:53	Christopher A Guessford	22.4
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006	12:23	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	02/09/2006	20:00	Sally L Appleyard	1



Analysis Report

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Lancaster Laboratories Sample No. SW 4706387

SB-8-6 Grab Soil Sample
 Facility# 305192
 9816 271st St NE-Stanwood, WA
 Collected: 02/07/2006 14:25

by TK

Account Number: 11255

Submitted: 02/09/2006 09:10
 Reported: 02/27/2006 at 17:00
 Discard: 03/30/2006

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

STA86

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	n.a.	N.D.	0.9	mg/kg	22.5
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	17.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.005	mg/kg	22.5
02177	Toluene	108-88-3	N.D.	0.005	mg/kg	22.5
02178	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	22.5
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	1330-20-7	N.D.	0.01	mg/kg	22.5

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006 07:29		Christopher A Guessford	22.5
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/15/2006 20:13		Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/10/2006 07:29		Christopher A Guessford	22.5
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006 12:23		Stephanie A Sanchez	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/09/2006 12:24		Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	02/09/2006 20:00		Sally L Appleyard	1



Analysis Report

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Lancaster Laboratories Sample No. SW 4706388

SB-10-6 Grab Soil Sample
 Facility# 305192
 9816 271st St NE-Stanwood, WA
 Collected: 02/07/2006 14:40

by TK

Account Number: 11255

Submitted: 02/09/2006 09:10
 Reported: 02/27/2006 at 17:00
 Discard: 03/30/2006

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

ST106

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils	n.a.	N.D.	1.6	mg/kg	39.4
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.008	mg/kg	39.4
02177	Toluene	108-88-3	N.D.	0.008	mg/kg	39.4
02178	Ethylbenzene	100-41-4	N.D.	0.008	mg/kg	39.4
02182	Total Xylenes	1330-20-7	N.D.	0.02	mg/kg	39.4
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006	08:05	Christopher A Guessford	39.4
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/22/2006	11:23	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/10/2006	08:05	Christopher A Guessford	39.4
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006	12:25	Stephanie A Sanchez	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/09/2006	12:26	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	2	02/21/2006	14:45	Jason A Heisey	1



Analysis Report

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Lancaster Laboratories Sample No. SW 4706390

SB-11-14 Grab Soil Sample
 Facility# 305192
 9816 271st St NE-Stanwood, WA
 Collected: 02/08/2006 08:12 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10
 Reported: 02/27/2006 at 17:00
 Discard: 03/30/2006

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

S1114

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	n.a.	18.	4.4	mg/kg	108.9
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	13.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	5.6	0.02	mg/kg	108.9
02177	Toluene	108-88-3	0.2	0.02	mg/kg	108.9
02178	Ethylbenzene	100-41-4	0.4	0.02	mg/kg	108.9
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	1330-20-7	2.0	0.07	mg/kg	108.9

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006	20:25	Christopher A Guessford	108.9
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/15/2006	21:25	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/10/2006	20:25	Christopher A Guessford	108.9
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006	12:27	Stephanie A Sanchez	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/09/2006	12:28	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	02/09/2006	20:00	Sally L Appleyard	1



Analysis Report

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Lancaster Laboratories Sample No. SW 4706390

SB-11-14 Grab Soil Sample
Facility# 305192
9816 271st St NE-Stanwood, WA
Collected: 02/08/2006 08:12 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10
Reported: 02/27/2006 at 17:00
Discard: 03/30/2006

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

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Lancaster Laboratories Sample No. SW 4706391

SB-11-19 Grab Soil Sample
 Facility# 305192
 9816 271st St NE-Stanwood, WA
 Collected: 02/08/2006 08:20 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10
 Reported: 02/27/2006 at 17:00
 Discard: 03/30/2006

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

S1119

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	n.a.	N.D.	1.	mg/kg	24.4
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.005	mg/kg	24.4
02177	Toluene	108-88-3	N.D.	0.005	mg/kg	24.4
02178	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	24.4
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	1330-20-7	N.D.	0.02	mg/kg	24.4

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006 12:38	Christopher A Guefford	24.4
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/17/2006 13:59	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/10/2006 12:38	Christopher A Guefford	24.4
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006 12:28	Stephanie A Sanchez	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/09/2006 12:29	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-DX 06/97	2	02/16/2006 14:45	Emily A Malloch	1



Analysis Report

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Lancaster Laboratories Sample No. SW 4706391

SB-11-19 Grab Soil Sample
Facility# 305192
9816 271st St NE-Stanwood, WA
Collected: 02/08/2006 08:20 by TK

Submitted: 02/09/2006 09:10
Reported: 02/27/2006 at 17:00
Discard: 03/30/2006

Account Number: 11255

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Analysis Report

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Lancaster Laboratories Sample No. SW 4706392

SB-10-16 Grab Soil Sample
 Facility# 305192
 9816 271st St NE- Stanwood, WA
 Collected: 02/08/2006 08:35

by TK

Account Number: 11255

Submitted: 02/09/2006 09:10
 Reported: 02/27/2006 at 17:00
 Discard: 03/30/2006

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

S1016

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	n.a.	N.D.	0.9	mg/kg	21.9
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.004	mg/kg	21.9
02177	Toluene	108-88-3	N.D.	0.004	mg/kg	21.9
02178	Ethylbenzene	100-41-4	N.D.	0.004	mg/kg	21.9
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	1330-20-7	N.D.	0.01	mg/kg	21.9

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006 13:13	Christopher A Guessford	21.9
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/17/2006 14:23	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/10/2006 13:13	Christopher A Guessford	21.9
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006 12:30	Stephanie A Sanchez	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/09/2006 12:30	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	2	02/16/2006 14:45	Emily A Malloch	1



Analysis Report

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Lancaster Laboratories Sample No. SW 4706392

SB-10-16 Grab Soil Sample
Facility# 305192
9816 271st St NE-Stanwood, WA
Collected: 02/08/2006 08:35 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10
Reported: 02/27/2006 at 17:00
Discard: 03/30/2006

ChevronTexaco
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S1016



Analysis Report

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Lancaster Laboratories Sample No. SW 4706393

SB-3-6 Grab Soil Sample
Facility# 305192
9816 271st St NE-Stanwood, WA
Collected: 02/08/2006 08:10

by TK

Account Number: 11255

Submitted: 02/09/2006 09:10
Reported: 02/27/2006 at 17:00
Discard: 03/30/2006

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

STA36

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	6.03	0.780	mg/kg	1
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	n.a.	N.D.	1.1	mg/kg	26.8
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	15.	6.0	mg/kg	2
02098	Heavy Range Organics The observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range later than #2 fuel.	n.a.	150.	20.	mg/kg	2
05666	WA- VPH soils					
05726	Methyl t-butyl ether	1634-04-4	N.D.	0.0500	mg/kg	50
05738	Benzene	71-43-2	N.D.	0.0500	mg/kg	50
05739	Toluene	108-88-3	N.D.	0.0500	mg/kg	50
05740	Ethylbenzene	100-41-4	N.D.	0.0500	mg/kg	50
05741	m,p-Xylenes	1330-20-7	N.D.	0.100	mg/kg	50
05777	o-Xylene	95-47-6	N.D.	0.0500	mg/kg	50
05779	C5-C6 Aliphatic Hydrocarbons	n.a.	N.D.	2.50	mg/kg	50
05786	C6-C8 Aliphatic Hydrocarbons	n.a.	N.D.	2.50	mg/kg	50
05793	C8-C10 Aliphatic Hydrocarbons	n.a.	N.D.	2.50	mg/kg	50
05794	C8-C10 Aromatic Hydrocarbons	n.a.	N.D.	2.50	mg/kg	50
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.005	mg/kg	26.8
02177	Toluene	108-88-3	N.D.	0.005	mg/kg	26.8
02178	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	26.8
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	1330-20-7	N.D.	0.02	mg/kg	26.8
05970	WA EPH in Soil					
05971	>C10 - C12 Aliphatic	n.a.	N.D.	1.0	mg/kg	1
05972	>C12 - C16 Aliphatic	n.a.	N.D.	1.0	mg/kg	1
05973	>C16 - C21 Aliphatic	n.a.	8.1	1.0	mg/kg	1

Lancaster Laboratories Sample No. SW 4706393

SB-3-6 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/08/2006 08:10 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

STA36

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05974	>C21 - C34 Aliphatic	n.a.	140.	1.0	mg/kg	1
05975	>C10 - C12 Aromatic	n.a.	N.D.	1.0	mg/kg	1
05976	>C12 - C16 Aromatic	n.a.	N.D.	1.0	mg/kg	1
05977	>C16 - C21 Aromatic	n.a.	1.8	1.0	mg/kg	1
05978	>C21 - C34 Aromatic	n.a.	28.	1.0	mg/kg	1
02858	Selected SVOA's in soil by SIM					
02876	Benzo(a)anthracene	56-55-3	N.D.	0.002	mg/kg	1
02877	Chrysene	218-01-9	0.0041	0.002	mg/kg	1
02878	Benzo(b)fluoranthene	205-99-2	N.D.	0.006	mg/kg	1
02879	Benzo(k)fluoranthene	207-08-9	N.D.	0.004	mg/kg	1
02880	Benzo(a)pyrene	50-32-8	N.D.	0.004	mg/kg	1
02881	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.002	mg/kg	1
02882	Dibenz(a,h)anthracene	53-70-3	N.D.	0.004	mg/kg	1
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.					
03983	EPA SW 846/8260 - Soil					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.05
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.05
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.05
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.05
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	mg/kg	1.05
06293	Acetone	67-64-1	0.049	0.007	mg/kg	1.05
06294	Carbon Disulfide	75-15-0	0.005	0.001	mg/kg	1.05
06296	2-Butanone	78-93-3	0.01	0.004	mg/kg	1.05
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	mg/kg	1.05
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	mg/kg	1.05
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	mg/kg	1.05
06300	2-Hexanone	591-78-6	N.D.	0.003	mg/kg	1.05
08199	Freon 113	76-13-1	N.D.	0.002	mg/kg	1.05
05441	EPA SW846/8260 (soil)					
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.002	mg/kg	1.05
05444	Chloromethane	74-87-3	N.D.	0.002	mg/kg	1.05
05445	Vinyl Chloride	75-01-4	N.D.	0.001	mg/kg	1.05
05446	Bromomethane	74-83-9	N.D.	0.002	mg/kg	1.05
05447	Chloroethane	75-00-3	N.D.	0.002	mg/kg	1.05
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	mg/kg	1.05

Lancaster Laboratories Sample No. SW 4706393

 SB-3-6 Grab Soil Sample
 Facility# 305192
 9816 271st St NE-Stanwood, WA
 Collected: 02/08/2006 08:10

by TK

Account Number: 11255

 Submitted: 02/09/2006 09:10
 Reported: 02/27/2006 at 17:00
 Discard: 03/30/2006

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

STA36

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	mg/kg	1.05
05450	Methylene Chloride	75-09-2	N.D.	0.002	mg/kg	1.05
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	mg/kg	1.05
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	mg/kg	1.05
05453	2,2-Dichloropropane	594-20-7	N.D.	0.001	mg/kg	1.05
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	mg/kg	1.05
05455	Chloroform	67-66-3	N.D.	0.001	mg/kg	1.05
05456	Bromochloromethane	74-97-5	N.D.	0.001	mg/kg	1.05
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	mg/kg	1.05
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	mg/kg	1.05
05459	1,1-Dichloropropene	563-58-6	N.D.	0.001	mg/kg	1.05
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.05
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.05
05462	Trichloroethene	79-01-6	N.D.	0.001	mg/kg	1.05
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	mg/kg	1.05
05464	Dibromomethane	74-95-3	N.D.	0.001	mg/kg	1.05
05465	Bromodichloromethane	75-27-4	N.D.	0.001	mg/kg	1.05
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.05
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	mg/kg	1.05
05468	Tetrachloroethene	127-18-4	N.D.	0.001	mg/kg	1.05
05469	1,3-Dichloropropane	142-28-9	N.D.	0.001	mg/kg	1.05
05470	Dibromochloromethane	124-48-1	N.D.	0.001	mg/kg	1.05
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.05
05472	Chlorobenzene	108-90-7	N.D.	0.001	mg/kg	1.05
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.001	mg/kg	1.05
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.05
05475	m+p-Xylene	1330-20-7	N.D.	0.001	mg/kg	1.05
05476	o-Xylene	95-47-6	N.D.	0.001	mg/kg	1.05
05477	Styrene	100-42-5	N.D.	0.001	mg/kg	1.05
05478	Bromoform	75-25-2	N.D.	0.001	mg/kg	1.05
05479	Isopropylbenzene	98-82-8	N.D.	0.001	mg/kg	1.05
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	mg/kg	1.05
05481	Bromobenzene	108-86-1	N.D.	0.001	mg/kg	1.05
05482	1,2,3-Trichloropropane	96-18-4	N.D.	0.001	mg/kg	1.05
05483	n-Propylbenzene	103-65-1	N.D.	0.001	mg/kg	1.05
05484	2-Chlorotoluene	95-49-8	N.D.	0.001	mg/kg	1.05
05485	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.001	mg/kg	1.05
05486	4-Chlorotoluene	106-43-4	N.D.	0.001	mg/kg	1.05
05487	tert-Butylbenzene	98-06-6	N.D.	0.001	mg/kg	1.05
05488	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.001	mg/kg	1.05
05489	sec-Butylbenzene	135-98-8	N.D.	0.001	mg/kg	1.05
05490	p-Isopropyltoluene	99-87-6	N.D.	0.001	mg/kg	1.05

Lancaster Laboratories Sample No. SW 4706393

 SB-3-6 Grab Soil Sample
 Facility# 305192
 9816 271st St NE-Stanwood, WA
 Collected: 02/08/2006 08:10

by TK

Account Number: 11255

 Submitted: 02/09/2006 09:10
 Reported: 02/27/2006 at 17:00
 Discard: 03/30/2006

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

STA36

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	mg/kg	1.05
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	mg/kg	1.05
05493	n-Butylbenzene	104-51-8	N.D.	0.001	mg/kg	1.05
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	mg/kg	1.05
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	mg/kg	1.05
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	mg/kg	1.05
05497	Hexachlorobutadiene	87-68-3	N.D.	0.002	mg/kg	1.05
05498	Naphthalene	91-20-3	N.D.	0.001	mg/kg	1.05
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.001	mg/kg	1.05

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/14/2006 08:57	Eric L Eby	1
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006 13:49	Christopher A Guessford	26.8
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/20/2006 11:56	Matthew E Barton	2
05666	WA- VPH soils	ECY 97-602 WA VPH	1	02/10/2006 12:07	K. Robert Caulfeild-James	50
05878	BTEX	SW-846 8021B	1	02/10/2006 13:49	Christopher A Guessford	26.8
05970	WA EPH in Soil	ECY 97-602 WA EPH	1	02/20/2006 22:11	Robert Brown	1
05970	WA EPH in Soil	ECY 97-602 WA EPH	1	02/20/2006 23:03	Robert Brown	1
02858	Selected SVOA's in soil by SIM	SW-846 8270C SIM	1	02/13/2006 00:27	William T Parker	1
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	02/14/2006 15:23	Kenneth L Boley Jr	1.05
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	02/14/2006 15:23	Kenneth L Boley Jr	1.05
00381	BNA Soil Extraction	SW-846 3550B	1	02/10/2006 22:30	Ashley B Zook	1
00497	Silica Gel Fractionation MA HC	SW-846 3630C modified	1	02/16/2006 13:15	Amanda W Herr	1
05708	SW SWB46 ICP Digest	SW-846 3050B	1	02/13/2006 20:30	Annamaria Stipkovits	1
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006 12:31	Stephanie A Sanchez	n.a.
06170	GC - Bulk Soil Prep (VPH)	MA DEP VPH modified	1	02/09/2006 17:11	Eric L Vera	n.a.
77024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	2	02/16/2006 14:45	Emily A Malloch	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 5 of 5

Lancaster Laboratories Sample No. SW 4706393

SB-3-6 Grab Soil Sample
Facility# 305192
9816 271st St NE-Stanwood, WA
Collected: 02/08/2006 08:10

by TK

Account Number: 11255

Submitted: 02/09/2006 09:10
Reported: 02/27/2006 at 17:00
Discard: 03/30/2006

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

STA36

07578	GC/MS-HL Encore Prep-NC	SW-846 5035	1	02/09/2006 12:53	Stephanie A Sanchez	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	1	02/09/2006 12:52	Stephanie A Sanchez	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	02/09/2006 12:52	Stephanie A Sanchez	n.a.

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425SAMPLE GROUP

The sample group for this submittal is 977768. Samples arrived at the laboratory on Friday, February 10, 2006. The PO# for this group is 99011184 and the release number is HUNTER.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
SB-19-12 Grab Soil Sample	4708161
SB-6-14 Grab Soil Sample	4708162
SB-2-14 Grab Soil Sample	4708163
SB-2-18 Grab Soil Sample	4708164
SB-22-14 Grab Soil Sample	4708165
SB-18-14 Grab Soil Sample	4708166

ELECTRONIC ChevronTexaco
COPY TO
ELECTRONIC SAIC
COPY TO

Attn: Peter Caterall

Attn: Tina King

Questions? Contact your Client Services Representative
Teresa L Cunningham at (717) 656-2300

Respectfully Submitted,



Robin C. Runkle
Senior Specialist

Lancaster Laboratories Sample No. SW 4708161

SB-19-12 Grab Soil Sample

Facility# 305192

98162 71st NW - Stanwood, WA

Collected: 02/08/2006 14:00 by TMK

Account Number: 11255

Submitted: 02/10/2006 09:10

Reported: 03/08/2006 at 14:45

Discard: 04/08/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

S1912

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
			Detection	Limit		
02006	TPH by NWTTPH-Gx soils					
02007	TPH by NWTTPH-Gx soils	n.a.	N.D.	1.	mg/kg	24.7
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						
02214	TPH by NWTTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.005	mg/kg	24.7
02177	Toluene	108-88-3	N.D.	0.005	mg/kg	24.7
02178	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	24.7
02182	Total Xylenes	1330-20-7	N.D.	0.02	mg/kg	24.7
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
02006	TPH by NWTTPH-Gx soils	ECY 97-602 NWTTPH-Gx modified	1	02/13/2006 17:10	Linda C Pape	24.7
02214	TPH by NWTTPH-Dx(soils) w/SiGel	ECY 97-602 NWTTPH-Dx modified	1	02/16/2006 09:57	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/13/2006 17:10	Linda C Pape	24.7
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/10/2006 13:22	Justin M Bowers	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/10/2006 13:22	Justin M Bowers	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTTPH-Dx 06/97	1	02/13/2006 19:00	Jessica Agosto	1

Lancaster Laboratories Sample No. SW 4708162

SB-6-14 Grab Soil Sample

Facility# 305192

98162 71st NW - Stanwood, WA

Collected: 02/08/2006 14:25 by TMK

Account Number: 11255

Submitted: 02/10/2006 09:10

Reported: 03/08/2006 at 14:45

Discard: 04/08/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

S6-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	n.a.	N.D.	1.	mg/kg	24.9
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.005	mg/kg	24.9
02177	Toluene	108-88-3	N.D.	0.005	mg/kg	24.9
02178	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	24.9
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	1330-20-7	N.D.	0.02	mg/kg	24.9

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/13/2006 17:46	Linda C Pape	24.9
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/16/2006 10:22	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/13/2006 17:46	Linda C Pape	24.9
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/10/2006 13:23	Justin M Bowers	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/10/2006 13:23	Justin M Bowers	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	02/13/2006 19:00	Jessica Agosto	1

Lancaster Laboratories Sample No. SW 4708163

SB-2-14 Grab Soil Sample

Facility# 305192

98162 71st NW - Stanwood, WA

Collected: 02/09/2006 08:45 by TMK

Account Number: 11255

Submitted: 02/10/2006 09:10

Reported: 03/08/2006 at 14:45

Discard: 04/08/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

S2-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
06955	Lead	7439-92-1	6.85	0.765		mg/kg	1
02006	TPH by NWTPH-Gx soils						
02007	TPH by NWTPH-Gx soils	n.a.	48.	2.3		mg/kg	57.1
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.							
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097	Diesel Range Organics	n.a.	140.	60.		mg/kg	20
02098	Heavy Range Organics	n.a.	970.	200.		mg/kg	20
The observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range later than #2 fuel.							
05878	BTEX						
02174	Benzene	71-43-2	0.2	0.006		mg/kg	28.5
02177	Toluene	108-88-3	N.D.	0.02		mg/kg	28.5
02178	Ethylbenzene	100-41-4	0.01	0.006		mg/kg	28.5
02182	Total Xylenes	1330-20-7	0.2	0.02		mg/kg	28.5
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for toluene. The presence or concentration of this compound cannot be determined due to the presence of this interferent.							
02858	Selected SVOA's in soil by SIM						
02863	Naphthalene	91-20-3	0.067	0.010		mg/kg	10
02864	2-Methylnaphthalene	91-57-6	0.071	0.007		mg/kg	10
02865	1-Methylnaphthalene	90-12-0	0.12	0.017		mg/kg	10
02876	Benzo(a)anthracene	56-55-3	0.0074	0.003		mg/kg	10
02877	Chrysene	218-01-9	0.028	0.003		mg/kg	10
02878	Benzo(b)fluoranthene	205-99-2	0.014	0.010		mg/kg	10
02879	Benzo(k)fluoranthene	207-08-9	N.D.	0.007		mg/kg	10
02880	Benzo(a)pyrene	50-32-8	0.0076	0.007		mg/kg	10
02881	Indeno(1,2,3-cd)pyrene	193-39-5	0.0047	0.003		mg/kg	10
02882	Dibenz(a,h)anthracene	53-70-3	N.D.	0.007		mg/kg	10
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile							

Lancaster Laboratories Sample No. SW 4708163

SB-2-14 Grab Soil Sample

Facility# 305192

98162 71st NW - Stanwood, WA

Collected: 02/09/2006 08:45

by TMK

Account Number: 11255

Submitted: 02/10/2006 09:10

Reported: 03/08/2006 at 14:45

Discard: 04/08/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

S2-14

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method Detection Limit		
	compounds were raised.					
03983	EPA SW 846/8260 - Soil					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.04
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.04
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.04
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.04
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	mg/kg	1.04
06293	Acetone	67-64-1	0.043	0.007	mg/kg	1.04
06294	Carbon Disulfide	75-15-0	0.002	0.001	mg/kg	1.04
06296	2-Butanone	78-93-3	0.008	0.004	mg/kg	1.04
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	mg/kg	1.04
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	mg/kg	1.04
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	mg/kg	1.04
06300	2-Hexanone	591-78-6	N.D.	0.003	mg/kg	1.04
08199	Freon 113	76-13-1	N.D.	0.002	mg/kg	1.04
05441	EPA SW846/8260 (soil)					
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.002	mg/kg	1.04
05444	Chloromethane	74-87-3	N.D.	0.002	mg/kg	1.04
05445	Vinyl Chloride	75-01-4	N.D.	0.001	mg/kg	1.04
05446	Bromomethane	74-83-9	N.D.	0.002	mg/kg	1.04
05447	Chloroethane	75-00-3	N.D.	0.002	mg/kg	1.04
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	mg/kg	1.04
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	mg/kg	1.04
05450	Methylene Chloride	75-09-2	N.D.	0.002	mg/kg	1.04
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	mg/kg	1.04
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	mg/kg	1.04
05453	2,2-Dichloropropane	594-20-7	N.D.	0.001	mg/kg	1.04
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	mg/kg	1.04
05455	Chloroform	67-66-3	N.D.	0.001	mg/kg	1.04
05456	Bromochloromethane	74-97-5	N.D.	0.001	mg/kg	1.04
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	mg/kg	1.04
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	mg/kg	1.04
05459	1,1-Dichloropropene	563-58-6	N.D.	0.001	mg/kg	1.04
05460	Benzene	71-43-2	0.10	0.0005	mg/kg	1.04
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.04
05462	Trichloroethene	79-01-6	N.D.	0.001	mg/kg	1.04
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	mg/kg	1.04
J5464	Dibromomethane	74-95-3	N.D.	0.001	mg/kg	1.04

Lancaster Laboratories Sample No. SW 4708163

SB-2-14 Grab Soil Sample

Facility# 305192

98162 71st NW - Stanwood, WA

Collected: 02/09/2006 08:45

by TMK

Account Number: 11255

Submitted: 02/10/2006 09:10

Reported: 03/08/2006 at 14:45

Discard: 04/08/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

S2-14

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			As Received Result	Method Detection Limit		
05465	Bromodichloromethane	75-27-4	N.D.	0.001	mg/kg	1.04
05466	Toluene	108-88-3	0.003	0.001	mg/kg	1.04
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	mg/kg	1.04
05468	Tetrachloroethene	127-18-4	N.D.	0.001	mg/kg	1.04
05469	1,3-Dichloropropane	142-28-9	N.D.	0.001	mg/kg	1.04
05470	Dibromochloromethane	124-48-1	N.D.	0.001	mg/kg	1.04
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.04
05472	Chlorobenzene	108-90-7	0.003	0.001	mg/kg	1.04
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.001	mg/kg	1.04
05474	Ethylbenzene	100-41-4	0.001	0.001	mg/kg	1.04
05475	m+p-Xylene	1330-20-7	0.064	0.001	mg/kg	1.04
05476	o-Xylene	95-47-6	0.002	0.001	mg/kg	1.04
05477	Styrene	100-42-5	N.D.	0.001	mg/kg	1.04
05478	Bromoform	75-25-2	N.D.	0.001	mg/kg	1.04
05479	Isopropylbenzene	98-82-8	0.009	0.001	mg/kg	1.04
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	mg/kg	1.04
05481	Bromobenzene	108-86-1	N.D.	0.001	mg/kg	1.04
05482	1,2,3-Trichloropropane	96-18-4	N.D.	0.001	mg/kg	1.04
05483	n-Propylbenzene	103-65-1	0.018	0.001	mg/kg	1.04
05484	2-Chlorotoluene	95-49-8	N.D.	0.001	mg/kg	1.04
05485	1,3,5-Trimethylbenzene	108-67-8	0.029	0.001	mg/kg	1.04
05486	4-Chlorotoluene	106-43-4	N.D.	0.001	mg/kg	1.04
05487	tert-Butylbenzene	98-06-6	N.D.	0.001	mg/kg	1.04
05488	1,2,4-Trimethylbenzene	95-63-6	0.12	0.001	mg/kg	1.04
05489	sec-Butylbenzene	135-98-8	0.008	0.001	mg/kg	1.04
05490	p-Isopropyltoluene	99-87-6	0.007	0.001	mg/kg	1.04
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	mg/kg	1.04
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	mg/kg	1.04
05493	n-Butylbenzene	104-51-8	0.009	0.001	mg/kg	1.04
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	mg/kg	1.04
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	mg/kg	1.04
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	mg/kg	1.04
05497	Hexachlorobutadiene	87-68-3	N.D.	0.002	mg/kg	1.04
05498	Naphthalene	91-20-3	0.006	0.001	mg/kg	1.04
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.001	mg/kg	1.04

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

State of Washington Lab Certification No. C259

Carcinogenic PAHs have been reported for this sample

Lancaster Laboratories Sample No. SW 4708163

SB-2-14 Grab Soil Sample
Facility# 305192
98162 71st NW - Stanwood, WA
Collected: 02/09/2006 08:45

by TMK

Account Number: 11255

Submitted: 02/10/2006 09:10
Reported: 03/08/2006 at 14:45
Discard: 04/08/2006

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

S2-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
06955	Lead	SW-846 6010B	1	02/14/2006 21:40		John P Hook	1
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/14/2006 03:29		Linda C Pape	57.1
2214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/16/2006 12:22		Matthew E Barton	20
05878	BTEX	SW-846 8021B	1	02/13/2006 18:22		Linda C Pape	28.5
02858	Selected SVOA's in soil by SIM	SW-846 8270C SIM	1	02/16/2006 01:48		Linda M Hartenstine	10
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	02/14/2006 16:55		Kenneth L Boley Jr	1.04
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	02/14/2006 16:55		Kenneth L Boley Jr	1.04
00381	BNA Soil Extraction	SW-846 3550B	1	02/13/2006 16:40		Melida Reyes	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/13/2006 20:50		Annamaria Stipkovits	1
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/10/2006 19:00		Justin M Bowers	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	02/13/2006 19:00		Jessica Agosto	1
07578	GC/MS-HL Encore Prep-NC	SW-846 5035	1	02/10/2006 20:30		Justin M Bowers	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	1	02/10/2006 20:31		Justin M Bowers	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	02/10/2006 20:32		Justin M Bowers	n.a.

Lancaster Laboratories Sample No. SW 4708164

SB-2-18 Grab Soil Sample

Facility# 305192

98162 71st NW - Stanwood, WA

Collected: 02/09/2006 08:55 by TMK

Account Number: 11255

Submitted: 02/10/2006 09:10

Reported: 03/08/2006 at 14:46

Discard: 04/08/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

S2-18

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method Detection Limit		
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	n.a.	N.D.	1.1	mg/kg	28.5
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.006	mg/kg	28.5
02177	Toluene	108-88-3	N.D.	0.006	mg/kg	28.5
02178	Ethylbenzene	100-41-4	N.D.	0.006	mg/kg	28.5
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	1330-20-7	N.D.	0.02	mg/kg	28.5

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/13/2006 18:58	Linda C Pape	28.5
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/16/2006 10:46	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/13/2006 18:58	Linda C Pape	28.5
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/10/2006 19:01	Justin M Bowers	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/10/2006 19:02	Justin M Bowers	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	02/13/2006 19:00	Jessica Agosto	1

Lancaster Laboratories Sample No. SW 4708165

SB-22-14 Grab Soil Sample
Facility# 305192
98162 71st NW - Stanwood, WA
Collected: 02/09/2006 09:45

by TMK

Account Number: 11255

Submitted: 02/10/2006 09:10
Reported: 03/08/2006 at 14:46
Discard: 04/08/2006

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

S2214

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02006	TPH by NWTPH-Gx soils						
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	n.a.	N.D.	1.		mg/kg	24.6
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097	Diesel Range Organics	n.a.	N.D.	3.0		mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.		mg/kg	1
05878	BTEX						
02174	Benzene	71-43-2	N.D.	0.005		mg/kg	24.6
02177	Toluene	108-88-3	N.D.	0.005		mg/kg	24.6
02178	Ethylbenzene	100-41-4	N.D.	0.005		mg/kg	24.6
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	1330-20-7	N.D.	0.02		mg/kg	24.6

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/15/2006 13:58	Linda C Pape	24.6
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/16/2006 11:10	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/15/2006 13:58	Linda C Pape	24.6
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/10/2006 19:03	Justin M Bowers	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/10/2006 19:04	Justin M Bowers	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	02/13/2006 19:00	Jessica Agosto	1

Lancaster Laboratories Sample No. SW 4708166

SB-18-14 Grab Soil Sample

Facility# 305192

98162 71st NW - Stanwood, WA

Collected: 02/09/2006 10:30 by TMK

Account Number: 11255

Submitted: 02/10/2006 09:10

Reported: 03/08/2006 at 14:46

Discard: 04/08/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

S1814

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02006	TPH by NWTPH-Gx soils						
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	n.a.	N.D.	1.		mg/kg	24.6
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097	Diesel Range Organics	n.a.	N.D.	3.0		mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.		mg/kg	1
05878	BTEX						
02174	Benzene	71-43-2	N.D.	0.005		mg/kg	24.6
02177	Toluene	108-88-3	N.D.	0.005		mg/kg	24.6
02178	Ethylbenzene	100-41-4	N.D.	0.005		mg/kg	24.6
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	1330-20-7	N.D.	0.02		mg/kg	24.6

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/13/2006	20:10	Linda C Pape	24.6
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/16/2006	08:20	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/13/2006	20:10	Linda C Pape	24.6
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/10/2006	19:05	Justin M Bowers	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/10/2006	19:06	Justin M Bowers	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	02/13/2006	19:00	Jessica Agosto	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 03/08/06 at 02:46 PM

Group Number: 977768

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 060440003A	Sample number(s): 4708161-4708166							
Diesel Range Organics	N.D.	3.0	mg/kg	85		60-120		
Heavy Range Organics	N.D.	10.	mg/kg					
Batch number: 060445708002	Sample number(s): 4708163							
Lead	N.D.	0.780	mg/kg	96		80-120		
Batch number: 06044A34A	Sample number(s): 4708161-4708164,4708166							
TPH by NWTPH-Gx soils	N.D.	1.0	mg/kg	83	98	67-119	2	30
Benzene	N.D.	0.005	mg/kg	99	108	76-118	0	30
Toluene	N.D.	0.005	mg/kg	97	106	72-115	0	30
Ethylbenzene	N.D.	0.005	mg/kg	100	109	77-115	0	30
Total Xylenes	N.D.	0.02	mg/kg	98	107	78-115	0	30
Batch number: 06044A34B	Sample number(s): 4708163							
TPH by NWTPH-Gx soils	N.D.	1.0	mg/kg	83	98	67-119	2	30
Batch number: 06044SLB026	Sample number(s): 4708163							
Naphthalene	N.D.	1.	ug/kg	90		48-131		
2-Methylnaphthalene	N.D.	0.7	ug/kg	90		67-109		
1-Methylnaphthalene	N.D.	2.	ug/kg	97		66-105		
Benzo(a)anthracene	N.D.	0.3	ug/kg	100		66-115		
Chrysene	N.D.	0.3	ug/kg	102		81-119		
Benzo(b)fluoranthene	N.D.	1.	ug/kg	126*		78-125		
Benzo(k)fluoranthene	N.D.	0.7	ug/kg	103		67-123		
Benzo(a)pyrene	N.D.	0.7	ug/kg	105		70-117		
Indeno(1,2,3-cd)pyrene	N.D.	0.3	ug/kg	102		62-123		
Dibenz(a,h)anthracene	N.D.	0.7	ug/kg	88		71-133		
Batch number: 06046A34A	Sample number(s): 4708165							
TPH by NWTPH-Gx soils	N.D.	1.0	mg/kg	100	98	67-119	2	30
Benzene	N.D.	0.005	mg/kg	109	108	76-118	0	30
Toluene	N.D.	0.005	mg/kg	106	106	72-115	0	30
Ethylbenzene	N.D.	0.005	mg/kg	109	109	77-115	0	30
Total Xylenes	N.D.	0.02	mg/kg	107	107	78-115	0	30
Batch number: X060451AA	Sample number(s): 4708163							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	90	91	75-125	1	30
di-Isopropyl ether	N.D.	1.	ug/kg	91	90	70-129	1	30
Ethyl t-butyl ether	N.D.	1.	ug/kg	91	89	62-131	2	30
t-Amyl methyl ether	N.D.	1.	ug/kg	91	90	63-129	1	30
t-Butyl alcohol	N.D.	20.	ug/kg	94	92	52-153	3	30
Dichlorodifluoromethane	N.D.	2.	ug/kg	77	76	24-169	2	30
Chloromethane	N.D.	2.	ug/kg	85	81	51-136	4	30
Vinyl Chloride	N.D.	1.	ug/kg	85	82	54-129	4	30
Bromomethane	N.D.	2.	ug/kg	81	78	59-127	3	30
Chloroethane	N.D.	2.	ug/kg	81	78	63-120	4	30

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 977768

Reported: 03/08/06 at 02:46 PM

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Trichlorofluoromethane	N.D.	2.	ug/kg	87	85	55-142	3	30
1,1-Dichloroethene	N.D.	1.	ug/kg	91	89	69-123	2	30
Methylene Chloride	N.D.	2.	ug/kg	94	91	75-120	3	30
trans-1,2-Dichloroethene	N.D.	1.	ug/kg	92	89	77-124	3	30
1,1-Dichloroethane	N.D.	1.	ug/kg	95	91	79-124	4	30
2,2-Dichloropropane	N.D.	1.	ug/kg	92	88	72-123	4	30
cis-1,2-Dichloroethene	N.D.	1.	ug/kg	94	90	76-120	4	30
Chloroform	N.D.	1.	ug/kg	94	94	81-117	1	30
Bromochloromethane	N.D.	1.	ug/kg	92	91	68-122	1	30
1,1,1-Trichloroethane	N.D.	1.	ug/kg	94	91	74-127	3	30
Carbon Tetrachloride	N.D.	1.	ug/kg	93	92	69-130	2	30
1,1-Dichloropropene	N.D.	1.	ug/kg	92	88	75-121	4	30
Benzene	N.D.	0.5	ug/kg	94	92	77-119	2	30
1,2-Dichloroethane	N.D.	1.	ug/kg	94	95	76-126	2	30
Trichloroethene	N.D.	1.	ug/kg	94	92	81-114	3	30
1,2-Dichloropropane	N.D.	1.	ug/kg	94	91	78-119	3	30
Dibromomethane	N.D.	1.	ug/kg	94	94	75-123	0	30
Bromodichloromethane	N.D.	1.	ug/kg	94	93	77-116	2	30
Toluene	N.D.	1.	ug/kg	90	89	81-116	1	30
1,1,2-Trichloroethane	N.D.	1.	ug/kg	90	89	74-117	2	30
Tetrachloroethene	N.D.	1.	ug/kg	91	86	70-117	6	30
1,3-Dichloropropane	N.D.	1.	ug/kg	89	90	74-119	1	30
Dibromochloromethane	N.D.	1.	ug/kg	87	88	73-116	1	30
1,2-Dibromoethane	N.D.	1.	ug/kg	86	89	77-114	3	30
Chlorobenzene	N.D.	1.	ug/kg	91	88	81-112	4	30
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/kg	90	90	78-115	0	30
Ethylbenzene	N.D.	1.	ug/kg	90	89	82-115	2	30
m+p-Xylene	N.D.	1.	ug/kg	91	89	82-117	2	30
o-Xylene	N.D.	1.	ug/kg	91	89	82-117	2	30
Styrene	N.D.	1.	ug/kg	90	88	79-116	2	30
Bromoform	N.D.	1.	ug/kg	82	85	71-111	4	30
Isopropylbenzene	N.D.	1.	ug/kg	90	89	79-117	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	79	82	71-121	4	30
Bromobenzene	N.D.	1.	ug/kg	85	84	77-113	2	30
1,2,3-Trichloropropane	N.D.	1.	ug/kg	79	85	67-126	7	30
n-Propylbenzene	N.D.	1.	ug/kg	89	85	76-122	4	30
2-Chlorotoluene	N.D.	1.	ug/kg	87	84	73-114	3	30
1,3,5-Trimethylbenzene	N.D.	1.	ug/kg	86	85	74-112	1	30
4-Chlorotoluene	N.D.	1.	ug/kg	86	84	75-110	2	30
tert-Butylbenzene	N.D.	1.	ug/kg	86	86	72-113	1	30
1,2,4-Trimethylbenzene	N.D.	1.	ug/kg	86	86	74-117	0	30
sec-Butylbenzene	N.D.	1.	ug/kg	86	85	72-112	1	30
p-Isopropyltoluene	N.D.	1.	ug/kg	87	86	72-113	1	30
1,3-Dichlorobenzene	N.D.	1.	ug/kg	86	85	76-112	1	30
1,4-Dichlorobenzene	N.D.	1.	ug/kg	86	85	78-108	1	30
n-Butylbenzene	N.D.	1.	ug/kg	85	84	68-116	1	30
1,2-Dichlorobenzene	N.D.	1.	ug/kg	86	86	81-109	0	30
1,2-Dibromo-3-chloropropane	N.D.	2.	ug/kg	71	81	49-127	14	30
1,2,4-Trichlorobenzene	N.D.	1.	ug/kg	84	87	69-111	3	30
Hexachlorobutadiene	N.D.	2.	ug/kg	86	88	57-122	3	30
Naphthalene	N.D.	1.	ug/kg	76	86	52-121	13	30
1,2,3-Trichlorobenzene	N.D.	1.	ug/kg	83	91	63-120	10	30
Acetone	N.D.	7.	ug/kg	73	81	11-224	11	30
Carbon Disulfide	N.D.	1.	ug/kg	87	84	60-126	3	30
2-Butanone	N.D.	4.	ug/kg	73	82	35-171	12	30

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 03/08/06 at 02:46 PM

Group Number: 977768

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
trans-1,3-Dichloropropene	N.D.	1.	ug/kg	86	89	81-119	3	30
cis-1,3-Dichloropropene	N.D.	1.	ug/kg	92	92	72-117	0	30
4-Methyl-2-pentanone	N.D.	3.	ug/kg	75	85	51-141	12	30
2-Hexanone	N.D.	3.	ug/kg	69	80	38-154	14	30
Freon 113	N.D.	2.	ug/kg	79	76	58-129	4	30

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 060440003A Diesel Range Organics Heavy Range Organics	Sample number(s): 4708161-4708166 BKG: P706402								
						N.D.	N.D.	0 (1)	20
						N.D.	N.D.	0 (1)	20
Batch number: 060445708002 Lead	Sample number(s): 4708163 UNSPK: P708710 BKG: P708710								
	83	87	75-125	2	20	20.0	16.9	17	20
Batch number: 06044A34A TPH by NWTPH-Gx soils Benzene Toluene Ethylbenzene Total Xylenes	Sample number(s): 4708161-4708164,4708166 UNSPK: P702832								
	82	87	39-118	7	30				
	89	82	52-135	7	30				
	89	84	59-129	6	30				
	93	87	56-132	7	30				
	94	89	54-134	6	30				
Batch number: 06044A34B TPH by NWTPH-Gx soils	Sample number(s): 4708163 UNSPK: P702832								
	82	87	39-118	7	30				
Batch number: 06044SLB026 Naphthalene 2-Methylnaphthalene 1-Methylnaphthalene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene	Sample number(s): 4708163 UNSPK: 4708163								
	102	162*	49-118	18	30				
	97	170*	70-130	21	30				
	105	232*	70-130	24	30				
	130	149*	52-141	12	30				
	142	193*	47-147	20	30				
	126	128	44-149	2	30				
	124	159*	53-130	24	30				
	110	116	54-129	4	30				
	130	126	38-143	3	30				
	112	117	47-133	4	30				
Batch number: X060451AA Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane	Sample number(s): 4708163 UNSPK: P709896								
	79	76	47-130	1	30				
	80	76	58-122	0	30				
	78	75	57-122	2	30				
	75	73	58-119	2	30				
	82	80	51-134	2	30				
	93	85	19-158	5	30				
	88	83	41-131	1	30				
	85	75	43-125	7	30				
	75	71	45-124	0	30				
	75	68	51-120	4	30				

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 03/08/06 at 02:46 PM

Group Number: 977768

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS	MSD	MS/MSD	RPD	RPD	BKG	DUP	DUP	Dup RPD
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Trichlorofluoromethane	80	72	51-134	5	30				
1,1-Dichloroethene	79	75	51-121	0	30				
Methylene Chloride	81	78	55-125	1	30				
trans-1,2-Dichloroethene	72	67	57-125	3	30				
1,1-Dichloroethane	82	79	65-125	1	30				
2,2-Dichloropropane	75	71	58-122	0	30				
cis-1,2-Dichloroethene	73	69	59-118	0	30				
Chloroform	76	71	65-126	0	30				
Bromochloromethane	74	68	52-120	4	30				
1,1,1-Trichloroethane	70	66	57-125	1	30				
Carbon Tetrachloride	64	59	51-127	3	30				
1,1-Dichloropropene	64	60	51-123	2	30				
Benzene	71	67	59-120	0	30				
1,2-Dichloroethane	77	73	62-130	1	30				
Trichloroethene	60	57	49-134	0	30				
1,2-Dichloropropane	70	66	64-120	1	30				
Dibromomethane	67	66	61-118	4	30				
Bromodichloromethane	66	62	57-117	1	30				
Toluene	58	52	49-132	5	30				
1,1,2-Trichloroethane	62	59	55-128	1	30				
Tetrachloroethene	47	44	33-137	3	30				
1,3-Dichloropropane	65	61*	62-119	1	30				
Dibromochloromethane	55*	52*	58-113	1	30				
1,2-Dibromoethane	58*	54*	62-116	1	30				
Chlorobenzene	44*	39*	52-120	7	30				
1,1,1,2-Tetrachloroethane	49*	46*	58-115	2	30				
Ethylbenzene	46*	41*	50-127	5	30				
m+p-Xylene	43*	38*	44-127	7	30				
o-Xylene	43*	39*	44-127	4	30				
Styrene	35*	31*	40-120	5	30				
Bromoform	41*	38*	45-113	3	30				
Isopropylbenzene	39*	35*	41-120	5	30				
1,1,2,2-Tetrachloroethane	47	42	37-142	4	30				
Bromobenzene	40*	35*	52-118	8	30				
1,2,3-Trichloropropane	52	48	47-144	1	30				
n-Propylbenzene	40*	34*	44-130	13	30				
2-Chlorotoluene	39*	33*	48-123	14	30				
1,3,5-Trimethylbenzene	38*	32*	47-130	13	30				
4-Chlorotoluene	36*	31*	51-125	11	30				
tert-Butylbenzene	40	32*	38-133	17	30				
1,2,4-Trimethylbenzene	38	31*	38-133	17	30				
sec-Butylbenzene	35*	30*	36-134	11	30				
p-Isopropyltoluene	35	29*	34-131	14	30				
1,3-Dichlorobenzene	32*	27*	42-120	12	30				
1,4-Dichlorobenzene	31*	26*	47-120	14	30				
n-Butylbenzene	29*	25*	32-129	11	30				
1,2-Dichlorobenzene	29*	25*	41-117	11	30				
1,2-Dibromo-3-chloropropane	36*	32*	39-128	6	30				
1,2,4-Trichlorobenzene	20	18	7-121	5	30				
Hexachlorobutadiene	24	22	1-128	2	30				
Naphthalene	15	14	10-129	3	30				
1,2,3-Trichlorobenzene	18	16	6-127	7	30				
Acetone	75	68	18-226	4	30				

*- Outside of specification

- 1) The result for one or both determinations was less than five times the LOQ.
- 2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 03/08/06 at 02:46 PM

Group Number: 977768

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Carbon Disulfide	68	63	37-124	2	30				
2-Butanone	78	73	37-158	1	30				
trans-1,3-Dichloropropene	55	50*	54-124	3	30				
cis-1,3-Dichloropropene	59	57	54-122	2	30				
4-Methyl-2-pentanone	68	63	42-128	2	30				
2-Hexanone	63	56	33-146	6	30				
Freon 113	65	62	41-119	0	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: TPH by NWTPH-Dx(soils) w/SiGel
 Batch number: 060440003A
 Orthoterphenyl

4708161	72
4708162	82
4708163	119
4708164	92
4708165	90
4708166	71
Blank	104
DUP	95
LCS	119

Limits: 65-143

 Analysis Name: BTEX
 Batch number: 06044A34A

	Trifluorotoluene-F	Trifluorotoluene-P
4708161	63	73
4708162	63	70
4708163		67
4708164	67	79
4708166	62	70
Blank	96	101
LCS	102	98
LCSD	99	98
MS	80	82
MSD	86	79

Limits: 61-122 55-124

 Analysis Name: TPH by NWTPH-Gx soils
 Batch number: 06044A34B

	Trifluorotoluene-F	Trifluorotoluene-P

*- Outside of specification

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Quality Control Summary

Client Name: ChevronTexaco
Reported: 03/08/06 at 02:46 PM

Group Number: 977768

Surrogate Quality Control

4708163	37*	
Blank	82	90
LCS	102	98
LCSD	99	98
MS	80	82
MSD	86	79

Limits: 61-122 55-124

Analysis Name: Selected SVOA's in soil by SIM
Batch number: 06044SLB026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4708163	127	88	88
Blank	88	87	98
LCS	103	94	100
MS	150	106	121
MSD	153*	113	96

Limits: 41-150 52-123 54-150

Analysis Name: BTEX
Batch number: 06046A34A

	Trifluorotoluene-F	Trifluorotoluene-P
4708165	86	75
Blank	96	101
LCS	102	98
LCSD	99	98

Limits: 61-122 55-124

Analysis Name: EPA SW 846/8260 - Soil
Batch number: X060451AA

	Dibromofluoromethane	1,2-Dichloroethane-d4
4708163	89	83
Blank	89	87
LCS	89	83
LCSD	88	83
MS	91	90
MSD	91	86

Limits: 71-114 70-109

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories
Where quality is a science

Amended
COC

Acct. #: 11255 For Lancaster Laboratories use only
Sample #: 47081 Col-67

SCR#:

C# 977768

INSB# NWRTB-30512-AIL
Facility #: 30-5192
Site Address: 9816271st NW, Stanwood, WA
Chevron PM: Brett Hunter Lead Consultant: SAC
Consultant/Office: Bothell, WA
Consultant Prj. Mgr.: Peter Catterall
Consultant Phone #: 425-482-3324 Fax #: 425-485-5344
Sampler: TULL ATW, ML
Service Order #: 0015001353 Non SAR:

Analyses Requested

Preservation Codes		Preservative Codes	
<input type="checkbox"/> MTBE 8021	<input type="checkbox"/> B260 Naphth	H = HCl	T = Thiosulfate
<input type="checkbox"/> B260 All scan		N = HNO ₃	B = NaOH
<input type="checkbox"/> Oxygenates		S = H ₂ SO ₄	O = Other
<input type="checkbox"/> ALKYLPHG		<input type="checkbox"/> J value reporting needed	
<input type="checkbox"/> ALKYLPHD		<input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds	
<input type="checkbox"/> Lead Total		<input type="checkbox"/> 8021 MTBE Confirmation	
<input type="checkbox"/> VP/VEPH		<input type="checkbox"/> Confirm MTBE + Naphthalene	
<input type="checkbox"/> NYMPH/ACID		<input type="checkbox"/> Confirm highest hit by 8260	
<input type="checkbox"/> PAHs (8270)		<input type="checkbox"/> Confirm all hits by 8260	
<input type="checkbox"/> N-alkyl (8260)		<input type="checkbox"/> Run ___ oxy s on highest hit	
<input type="checkbox"/> EDB (8260)		<input type="checkbox"/> Run ___ oxy s on all hits	
<input type="checkbox"/> naphthalenes (8260)			

Sample Identification	LLC ID	Date Collected	Time Collected	Grab	Composite	Matrix			Total Number of Containers	Analyses Requested										Comments / Remarks			
						Soil	Water	Oil/Air		STEX	MTBE	8021	B260	Naphth	B260 All scan	Oxygenates	ALKYLPHG	ALKYLPHD	Lead Total		VP/VEPH	NYMPH/ACID	PAHs (8270)
SB-11-12	SB-11	2/8/06	1406	X		X			4	X	X	X	X	X	X	X	X	X	X	X	X	X	
SB-6-14	SB-6		1425	X		X			4	X	X	X	X	X	X	X	X	X	X	X	X	X	
SB-2-14	SB-2	2/9/06	0845	X		X			6	X	X	X	X	X	X	X	X	X	X	X	X	X	* Run full list 8260 per T. King. TC113
SB-2-18	SB-2		0855	X		X			4	X	X	X	X	X	X	X	X	X	X	X	X	X	
SB-22-14	SB-22		0945	X		X			4	X	X	X	X	X	X	X	X	X	X	X	X	X	* Additional sample SB22-2 coll. 2/18 @ 13:45 received. TC113
SB-18-14	SB-18		1030	X		X			4	X	X	X	X	X	X	X	X	X	X	X	X	X	* Don't analyze extra per P. Catterall TC 214

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Relinquished by: [Signature] Date: 2/9/06 Time: 1530

Received by: _____ Date: _____ Time: _____

Data Package Options (please circle if required)

QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WP (RWOCB) Standard Format
Disk _____ Other.

Relinquished by: _____ Date: _____ Time: _____

Relinquished by Commercial Carrier: UPS FedEx X Other _____

Received by: [Signature] Date: 2/10/06 Time: 0910

Temperature Upon Receipt: 35 °C

Custody Seals Intact? (Yes) No

Chevron Northwest Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct. #: 11255 Sample #: 4708161-67

SCR#: _____

C# 977768

WSB# NWRTB-309512-A1L

Analyses Requested

Preservation Codes

Preservative Codes

816X MTBE 8021 8260 Naphth
 8260 full scan
 Oxysterols
 A111PH G
 A111PH D
 Extended Ring
 Silica Gel Cleanup
 Lead Total Method 100.11
 VP/VEPH
 NMTPH HCl/D quantification
C1PAHs (8270)
1,2,3,4-DHP (8260)
EDS TBP (8260)
naphthalenes (8260)

H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other
 J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds
 8021 MTBE Confirmation
 Confirm MTBE + Naphthalene
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy s on highest hit
 Run ___ oxy s on all hits

Matrix
 Potable NPDES
 Water
 Oil Air
 Total Number of Containers
 816X MTBE 8021 8260 Naphth
 8260 full scan
 Oxysterols
 A111PH G
 A111PH D
 Extended Ring
 Silica Gel Cleanup
 Lead Total Method 100.11
 VP/VEPH
 NMTPH HCl/D quantification
C1PAHs (8270)
1,2,3,4-DHP (8260)
EDS TBP (8260)
naphthalenes (8260)

Facility #: 30-9512
 Site Address: 9810271st NW Stanwood, WA
 Chevron PM: Brett Hunter Lead Consultant: SALC
 Consultant/Office: Bothell, WA
 Consultant Prj. Mgr.: Peter Catterall
 Consultant Phone #: 425-482-3324 Fax #: 425-485-5344
 Sampler: TRIL, ADW, ML
 Service Order #: 0015001353 Non SAR:

Sample Identification	LLC ID	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	816X MTBE 8021	8260	Naphth	8260 full scan	Oxysterols	A111PH G	A111PH D	Extended Ring	Silica Gel Cleanup	Lead Total	Method	VP/VEPH	NMTPH HCl/D	quantification	C1PAHs (8270)	1,2,3,4-DHP (8260)	EDS TBP (8260)	naphthalenes (8260)
SB-K1-12	SB-K1	2/8/06	1406	X		X				4	X	X	X			X	X	X	X	X								
SB-6-14	SB-6		1425	X		X				4	X	X	X			X	X	X	X	X								
SB-2-14	SB-2	2/9/06	0846	X		X				6	X	X	X			X	X	X	X	X					X	X	X	X
SB-2-18	SB-2		0855	X		X				4	X	X	X			X	X	X	X	X								
SB-22-14	SB-22		0945	X		X				4	X	X	X			X	X	X	X	X								
SB-18-14	SB-18	✓	1030	X		X				4	X	X	X			X	X	X	X	X								

Comments / Remarks
 * Run full list 8260 per T. King. T0213
 * Additional sample SB22-2 coll. 2/8 @ 13:45 received. T0213 * Don't analyze extra per P. Catterall T0214

Turnaround Time Requested (TAT) (please circle)
 (STD. TAT) 24 hour 72 hour 48 hour
 4 day 5 day

Relinquished by: <u>[Signature]</u>	Date: <u>2/9/06</u>	Time: <u>1530</u>	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by Commercial Carrier:	Date:	Time:	Received by:	Date:	Time:
UPS FedEx <input checked="" type="checkbox"/> Other _____	Temperature Upon Receipt <u>35</u> °C		Custody Seals Intact? (Yes) <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date: <u>2/10/06</u>	Time: <u>0910</u>

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is <CRDL, but ≥IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike amount not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
J Estimated value	U Compound was not detected
N Presumptive evidence of a compound (TICs only)	W Post digestion spike out of control limits
P Concentration difference between primary and confirmation columns >25%	* Duplicate analysis not within control limits
U Compound was not detected	+ Correlation coefficient for MSA <0.995
X,Y,Z Defined in case narrative	

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425SAMPLE GROUP

The sample group for this submittal is 981278. Samples arrived at the laboratory on Saturday, March 11, 2006. The PO# for this group is 0015001353 and the release number is HUNTER.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
MW-4 Grab Water Sample	4726562
MW-4 Filtered Grab Water Sample	4726563
MW-1 Grab Water Sample	4726564
MW-1 Filtered Grab Water Sample	4726565
MW-3 Grab Water Sample	4726566
MW-3 Filtered Grab Water Sample	4726567
MW-2 Grab Water Sample	4726568
MW-2 Filtered Grab Water Sample	4726569
D-031006 Grab Water Sample	4726570
D-031006 Filtered Grab Water Sample	4726571
Trip Blank Water Sample	4726572

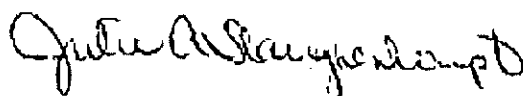
ELECTRONIC ChevronTexaco
COPY TO
ELECTRONIC SAIC
COPY TO

Attn: Peter Catterall

Attn: Tina King

Questions? Contact your Client Services Representative
Megan A Moeller at (717) 656-2300

Respectfully Submitted,



Julie A. Slaughenhaupt
Specialist

Lancaster Laboratories Sample No. WW 4726562

MW-4 Grab Water Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 03/10/2006 10:15 by AW

Account Number: 11255

Submitted: 03/11/2006 10:45

Reported: 03/24/2006 at 10:53

Discard: 04/24/2006

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

SNW04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	5,900.	500.	ug/l	5
02096	Heavy Range Organics	n.a.	N.D.	630.	ug/l	5
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.					
08273	TPH by NWTPH-Gx waters					
01645	TPH by NWTPH-Gx waters	n.a.	53.	48.	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05394	2,2-Dichloropropane	594-20-7	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05397	Bromochloromethane	74-97-5	N.D.	1.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05400	1,1-Dichloropropene	563-58-6	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05410	1,3-Dichloropropane	142-28-9	N.D.	1.	ug/l	1

Lancaster Laboratories Sample No. **WW 4726562**
MW-4 Grab Water Sample

Facility# 305192

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Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

SNW04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method Detection Limit	Units	
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
05416	m+p-Xylene	1330-20-7	N.D.	0.5	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.5	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05420	Isopropylbenzene	98-82-8	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.	ug/l	1
05424	n-Propylbenzene	103-65-1	N.D.	1.	ug/l	1
05425	2-Chlorotoluene	95-49-8	N.D.	1.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	N.D.	1.	ug/l	1
05427	4-Chlorotoluene	106-43-4	N.D.	1.	ug/l	1
05428	tert-Butylbenzene	98-06-6	N.D.	1.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	N.D.	1.	ug/l	1
05430	sec-Butylbenzene	135-98-8	N.D.	1.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	N.D.	1.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
05434	n-Butylbenzene	104-51-8	N.D.	1.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	ug/l	1
05438	Hexachlorobutadiene	87-68-3	N.D.	2.	ug/l	1
05439	Naphthalene	91-20-3	N.D.	1.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	N.D.	1.	ug/l	1
08202	EPA SW 846/8260 - Water					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
06302	Acetone	67-64-1	14.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1

Lancaster Laboratories Sample No. WW 4726562

MW-4 Grab Water Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 03/10/2006 10:15 by AW

Account Number: 11255

Submitted: 03/11/2006 10:45

Reported: 03/24/2006 at 10:53

Discard: 04/24/2006

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

SNW04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	3.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						
08203	Freon 113	76-13-1	N.D.	2.	2.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	03/21/2006 11:06	Matthew E Barton	5
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	03/15/2006 14:41	Martha L Seidel	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	03/21/2006 22:03	Emiley A King	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	03/21/2006 22:03	Emiley A King	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/15/2006 14:41	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/21/2006 22:03	Emiley A King	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	03/16/2006 10:45	Sarah B Pennell	1



Analysis Report

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Lancaster Laboratories Sample No. WW 4726563

MW-4 Filtered Grab Water Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 03/10/2006 10:15 by AW

Account Number: 11255

Submitted: 03/11/2006 10:45

Reported: 03/24/2006 at 10:53

Discard: 04/24/2006

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	8.4	ug/l	1

State of Washington Lab Certification No. C259
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	03/14/2006 19:46	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	03/14/2006 11:05	Megersa Deyessa	1

Lancaster Laboratories Sample No. WW 4726564

MW-1 Grab Water Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 03/10/2006 12:30 by AW

Account Number: 11255

Submitted: 03/11/2006 10:45

Reported: 03/24/2006 at 10:53

Discard: 04/24/2006

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

SNW01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
02211	TPH by NWTTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	84.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	100.	ug/l	1
08274	TPH by NWTTPH-Gx waters					
01648	TPH by NWTTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02159	BTEX, MTBE	SW-846 8021B	1	03/15/2006 15:15	Martha L Seidel	1
02211	TPH by NWTTPH-Dx(water) w/SiGel	ECY 97-602 NWTTPH-Dx modified	1	03/20/2006 15:04	Matthew E Barton	1
08274	TPH by NWTTPH-Gx waters	ECY 97-602 NWTTPH-Gx modified	1	03/15/2006 15:15	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/15/2006 15:15	Martha L Seidel	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTTPH-Dx	1	03/16/2006 10:45	Sarah B Pennell	1

Lancaster Laboratories Sample No. WW 4726565

MW-1 Filtered Grab Water Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 03/10/2006 12:30 by AW

Account Number: 11255

Submitted: 03/11/2006 10:45

Reported: 03/24/2006 at 10:53

Discard: 04/24/2006

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	8.4	ug/l	1

State of Washington Lab Certification No. C259
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
07055	Lead	SW-846 6010B	1	03/14/2006 19:50	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	03/14/2006 11:05	Megersa Deyessa	1

Lancaster Laboratories Sample No. WW 4726566

MW-3 Grab Water Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 03/10/2006 11:25 by AW

Account Number: 11255

Submitted: 03/11/2006 10:45

Reported: 03/24/2006 at 10:53

Discard: 04/24/2006

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

SNW03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
				Detection Limit		
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
02211	TPH by NWTPh-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	190.	81.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	100.	ug/l	1
08274	TPH by NWTPh-Gx waters					
01648	TPH by NWTPh-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
02159	BTEX, MTBE	SW-846 8021B	1	03/15/2006 15:50	Martha L Seidel	1
02211	TPH by NWTPh-Dx(water) w/SiGel	ECY 97-602 NWTPh-Dx modified	1	03/20/2006 20:36	Matthew E Barton	1
08274	TPH by NWTPh-Gx waters	ECY 97-602 NWTPh-Gx modified	1	03/15/2006 15:50	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/15/2006 15:50	Martha L Seidel	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPh-Dx 06/97	1	03/18/2006 07:30	Joseph S Feister	1

Lancaster Laboratories Sample No. WW 4726567

MW-3 Filtered Grab Water Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 03/10/2006 11:25 by AW

Account Number: 11255

Submitted: 03/11/2006 10:45

Reported: 03/24/2006 at 10:53

Discard: 04/24/2006

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	8.4	ug/l	1

State of Washington Lab Certification No. C259
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
07055	Lead	SW-846 6010B	1	03/17/2006 09:57	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	03/16/2006 20:19	James L Mertz	1

Lancaster Laboratories Sample No. WW 4726568

MW-2 Grab Water Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 03/10/2006 11:55 by AW

Account Number: 11255

Submitted: 03/11/2006 10:45

Reported: 03/24/2006 at 10:53

Discard: 04/24/2006

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

SNW02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02159	BTEX, MTBE					
02161	Benzene	71-43-2	10.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	4.4	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	720.	84.	ug/l	1
02096	Heavy Range Organics	n.a.	290.	110.	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	110.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
02159	BTEX, MTBE	SW-846 8021B	1	03/15/2006 16:23	Martha L Seidel	1
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	03/20/2006 21:24	Matthew E Barton	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	03/15/2006 16:23	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/15/2006 16:23	Martha L Seidel	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	03/18/2006 07:30	Joseph S Feister	1

Lancaster Laboratories Sample No. WW 4726569

MW-2 Filtered Grab Water Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 03/10/2006 11:55 by AW

Account Number: 11255

Submitted: 03/11/2006 10:45

Reported: 03/24/2006 at 10:53

Discard: 04/24/2006

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Method Detection Limit		
07055	Lead	7439-92-1	N.D.	8.4	ug/l	1

State of Washington Lab Certification No. C259
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
07055	Lead	SW-846 6010B	1	03/14/2006 19:55	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	03/14/2006 11:05	Megersa Deyessa	1



Analysis Report

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Lancaster Laboratories Sample No. WW 4726570

D-031006 Grab Water Sample
Facility# 305192
9816 271st St NE-Stanwood, WA
Collected: 03/10/2006 15:00

by AW

Account Number: 11255

Submitted: 03/11/2006 10:45
Reported: 03/24/2006 at 10:53
Discard: 04/24/2006

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SNW-D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
02159	BTEX, MTBE			Detection Limit		
02161	Benzene	71-43-2	11.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	5.0	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	1,200.	90.	ug/l	1
02096	Heavy Range Organics	n.a.	620.	110.	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	120.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02159	BTEX, MTBE	SW-846 8021B	1	03/15/2006	16:58	Martha L Seidel	1
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	03/21/2006	02:32	Matthew E Barton	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	03/15/2006	16:58	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/15/2006	16:58	Martha L Seidel	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx	1	03/20/2006	03:30	Sherry L Morrow	1



Analysis Report

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Lancaster Laboratories Sample No. WW 4726571

D-031006 Filtered Grab Water Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 03/10/2006 15:00 by AW

Account Number: 11255

Submitted: 03/11/2006 10:45

Reported: 03/24/2006 at 10:53

Discard: 04/24/2006

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	8.4	ug/l	1

State of Washington Lab Certification No. C259
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	03/14/2006 20:00	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	03/14/2006 11:05	Megersa Deyessa	1

Lancaster Laboratories Sample No. WW 4726572

 Trip Blank Water Sample
 Facility# 305192
 9816 271st St NE-Stanwood, WA
 Collected: n.a.

Account Number: 11255

 Submitted: 03/11/2006 10:45
 Reported: 03/24/2006 at 10:53
 Discard: 04/24/2006

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Method Detection Limit		
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02159	BTEX, MTBE	SW-846 8021B	1	03/15/2006 04:19	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	03/15/2006 04:19	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/15/2006 04:19	Martha L Seidel	1

Quality Control Summary

 Client Name: Chevron
 Reported: 03/24/06 at 10:53 AM

Group Number: 981278

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 060731848008	Sample number(s): 4726563, 4726565, 4726569, 4726571							
Lead	N.D.	0.0084	mg/l	100		80-120		
Batch number: 06073A07A	Sample number(s): 4726572							
TPH by NWTPH-Gx waters	N.D.	48.	ug/l	89	93	70-130	5	30
Benzene	N.D.	0.5	ug/l	94	91	86-119	2	30
Toluene	N.D.	0.5	ug/l	107	103	82-119	3	30
Ethylbenzene	N.D.	0.5	ug/l	107	104	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	108	105	82-120	3	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	92	90	82-124	2	30
Batch number: 06073A07B	Sample number(s): 4726562, 4726564, 4726566, 4726568, 4726570							
TPH by NWTPH-Gx waters	N.D.	48.	ug/l	89	93	70-130	5	30
TPH by NWTPH-Gx waters	N.D.	48.	ug/l	89	93	70-130	5	30
Benzene	N.D.	0.5	ug/l	94	91	86-119	2	30
Toluene	N.D.	0.5	ug/l	107	103	82-119	3	30
Ethylbenzene	N.D.	0.5	ug/l	107	104	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	108	105	82-120	3	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	92	90	82-124	2	30
Batch number: 060740023A	Sample number(s): 4726562, 4726564							
Diesel Range Organics	N.D.	0.080	mg/l	79	76	51-113	3	20
Heavy Range Organics	N.D.	0.10	mg/l					
Batch number: 060751848004	Sample number(s): 4726567							
Lead	N.D.	0.0084	mg/l	101		80-120		
Batch number: 060760012A	Sample number(s): 4726566, 4726568							
Diesel Range Organics	N.D.	0.080	mg/l	76	66	51-113	14	20
Heavy Range Organics	N.D.	0.10	mg/l					
Batch number: 060770012A	Sample number(s): 4726570							
Diesel Range Organics	N.D.	0.080	mg/l	71	79	51-113	10	20
Heavy Range Organics	N.D.	0.10	mg/l					
Batch number: W060791AB	Sample number(s): 4726562							
Ethanol	N.D.	50.	ug/l	113		35-168		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	101		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	100		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	98		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	100		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	110		69-127		
Dichlorodifluoromethane	N.D.	2.	ug/l	122		39-160		
Chloromethane	N.D.	1.	ug/l	107		56-134		
Vinyl Chloride	N.D.	1.	ug/l	104		62-123		
Bromomethane	N.D.	1.	ug/l	132*		47-129		
Chloroethane	N.D.	1.	ug/l	115		57-125		

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron

Group Number: 981278

Reported: 03/24/06 at 10:53 AM

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Trichlorofluoromethane	N.D.	2.	ug/l	110		67-136		
1,1-Dichloroethene	N.D.	0.8	ug/l	112		79-130		
Methylene Chloride	N.D.	2.	ug/l	113		85-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	107		83-117		
1,1-Dichloroethane	N.D.	1.	ug/l	112		83-127		
2,2-Dichloropropane	N.D.	1.	ug/l	112		74-130		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	107		84-117		
Chloroform	N.D.	0.8	ug/l	113		86-124		
Bromochloromethane	N.D.	1.	ug/l	109		73-126		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	116		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	115		77-130		
1,1-Dichloropropene	N.D.	1.	ug/l	108		84-116		
Benzene	N.D.	0.5	ug/l	106		85-117		
1,2-Dichloroethane	N.D.	0.5	ug/l	118		77-132		
Trichloroethene	N.D.	1.	ug/l	110		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	104		80-117		
Dibromomethane	N.D.	1.	ug/l	111		87-117		
Bromodichloromethane	N.D.	1.	ug/l	116		83-121		
Toluene	N.D.	0.5	ug/l	104		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	102		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	113		74-125		
1,3-Dichloropropane	N.D.	1.	ug/l	103		84-119		
Dibromochloromethane	N.D.	1.	ug/l	111		78-119		
1,2-Dibromoethane	N.D.	0.5	ug/l	105		81-114		
Chlorobenzene	N.D.	0.8	ug/l	104		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/l	109		83-114		
Ethylbenzene	N.D.	0.5	ug/l	105		82-119		
m+p-Xylene	N.D.	0.5	ug/l	102		83-113		
o-Xylene	N.D.	0.5	ug/l	101		83-113		
Styrene	N.D.	1.	ug/l	98		82-111		
Bromoform	N.D.	1.	ug/l	105		69-118		
Isopropylbenzene	N.D.	1.	ug/l	105		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	96		72-119		
Bromobenzene	N.D.	1.	ug/l	102		82-110		
1,2,3-Trichloropropane	N.D.	1.	ug/l	101		78-117		
n-Propylbenzene	N.D.	1.	ug/l	102		78-119		
2-Chlorotoluene	N.D.	1.	ug/l	101		78-115		
1,3,5-Trimethylbenzene	N.D.	1.	ug/l	101		78-116		
4-Chlorotoluene	N.D.	1.	ug/l	103		80-112		
tert-Butylbenzene	N.D.	1.	ug/l	99		74-114		
1,2,4-Trimethylbenzene	N.D.	1.	ug/l	101		78-117		
sec-Butylbenzene	N.D.	1.	ug/l	100		72-120		
p-Isopropyltoluene	N.D.	1.	ug/l	100		72-118		
1,3-Dichlorobenzene	N.D.	1.	ug/l	101		81-114		
1,4-Dichlorobenzene	N.D.	1.	ug/l	102		84-116		
n-Butylbenzene	N.D.	1.	ug/l	95		69-128		
1,2-Dichlorobenzene	N.D.	1.	ug/l	100		81-112		
1,2-Dibromo-3-chloropropane	N.D.	2.	ug/l	95		55-127		
1,2,4-Trichlorobenzene	N.D.	1.	ug/l	98		65-114		
Hexachlorobutadiene	N.D.	2.	ug/l	101		56-120		
Naphthalene	N.D.	1.	ug/l	97		61-116		
1,2,3-Trichlorobenzene	N.D.	1.	ug/l	101		67-114		
Acetone	N.D.	6.	ug/l	137		21-226		
Carbon Disulfide	N.D.	1.	ug/l	99		63-133		
2-Butanone	N.D.	3.	ug/l	111		52-163		

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: Chevron
 Reported: 03/24/06 at 10:53 AM

Group Number: 981278

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
trans-1,3-Dichloropropene	N.D.	1.	ug/l	103		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	104		78-114		
4-Methyl-2-pentanone	N.D.	3.	ug/l	102		70-130		
2-Hexanone	N.D.	3.	ug/l	104		61-140		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	99		73-122		
Freon 113	N.D.	2.	ug/l	99		64-134		

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 060731848008 Lead	103	101	75-125	2	20	N.D.	N.D.	-207 (1)	20
Batch number: 06073A07A TPH by NWTPH-Gx waters	99		63-154						
Benzene	102		78-131						
Toluene	107		78-129						
Ethylbenzene	105		75-133						
Total Xylenes	106		84-131						
Methyl tert-Butyl Ether	97		70-134						
Batch number: 06073A07B TPH by NWTPH-Gx waters	99		63-154						
Benzene	102		78-131						
Toluene	107		78-129						
Ethylbenzene	105		75-133						
Total Xylenes	106		84-131						
Methyl tert-Butyl Ether	97		70-134						
Batch number: 060751848004 Lead	101	101	75-125	0	20	N.D.	N.D.	30* (1)	20
Batch number: W060791AB Ethanol	126	122	34-161	3	30				
Methyl Tertiary Butyl Ether	104	105	69-127	1	30				
di-Isopropyl ether	101	102	75-130	1	30				
Ethyl t-butyl ether	100	99	78-119	1	30				
t-Amyl methyl ether	102	102	72-125	1	30				
t-Butyl alcohol	108	105	64-130	3	30				
Dichlorodifluoromethane	155	158	43-200	2	30				
Chloromethane	114	117	59-148	2	30				
Vinyl Chloride	111	114	67-142	2	30				
Bromomethane	142*	138	52-141	3	30				
Chloroethane	123	125	63-142	2	30				
Trichlorofluoromethane	137	133	75-163	3	30				
1,1-Dichloroethene	125	123	87-145	2	30				
Methylene Chloride	113	112	79-133	1	30				
trans-1,2-Dichloroethene	114	112	82-133	2	30				

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: Chevron
 Reported: 03/24/06 at 10:53 AM

Group Number: 981278

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1-Dichloroethane	117	112	85-135	4	30				
2,2-Dichloropropane	125	123	79-146	2	30				
cis-1,2-Dichloroethene	112	113	83-126	0	30				
Chloroform	121	119	82-131	1	30				
Bromochloromethane	118	116	71-134	2	30				
1,1,1-Trichloroethane	128	126	81-142	1	30				
Carbon Tetrachloride	134	129	79-155	3	30				
1,1-Dichloropropene	120	120	86-134	0	30				
Benzene	112	112	83-128	1	30				
1,2-Dichloroethane	126	122	70-143	3	30				
Trichloroethene	121	119	83-136	1	30				
1,2-Dichloropropane	107	108	83-129	1	30				
Dibromomethane	118	115	82-128	2	30				
Bromodichloromethane	123	120	80-129	2	30				
Toluene	107	108	83-127	1	30				
1,1,2-Trichloroethane	103	105	77-125	2	30				
Tetrachloroethene	118	116	78-133	2	30				
1,3-Dichloropropane	104	103	82-121	1	30				
Dibromochloromethane	114	111	82-119	2	30				
1,2-Dibromoethane	106	105	78-120	1	30				
Chlorobenzene	107	108	83-120	1	30				
1,1,1,2-Tetrachloroethane	113	113	83-119	0	30				
Ethylbenzene	109	110	82-129	1	30				
m+p-Xylene	107	107	82-130	0	30				
o-Xylene	105	106	82-130	1	30				
Styrene	102	100	76-126	2	30				
Bromoform	105	103	64-119	1	30				
Isopropylbenzene	111	111	81-130	0	30				
1,1,2,2-Tetrachloroethane	95	97	69-128	2	30				
Bromobenzene	104	106	83-121	2	30				
1,2,3-Trichloropropane	100	101	73-125	1	30				
n-Propylbenzene	106	107	74-138	1	30				
2-Chlorotoluene	105	107	78-121	2	30				
1,3,5-Trimethylbenzene	103	104	77-124	1	30				
4-Chlorotoluene	105	105	81-123	1	30				
tert-Butylbenzene	104	105	76-128	1	30				
1,2,4-Trimethylbenzene	104	104	80-125	0	30				
sec-Butylbenzene	104	106	73-129	2	30				
p-Isopropyltoluene	104	105	72-128	1	30				
1,3-Dichlorobenzene	101	103	79-123	2	30				
1,4-Dichlorobenzene	104	106	81-122	2	30				
n-Butylbenzene	100	100	67-141	0	30				
1,2-Dichlorobenzene	103	103	82-117	0	30				
1,2-Dibromo-3-chloropropane	98	100	52-137	2	30				
1,2,4-Trichlorobenzene	97	101	60-121	4	30				
Hexachlorobutadiene	104	105	51-135	1	30				
Naphthalene	92	96	50-124	4	30				
1,2,3-Trichlorobenzene	100	102	58-122	2	30				
Acetone	105	106	48-143	0	30				
Carbon Disulfide	108	108	67-150	0	30				
2-Butanone	100	101	57-137	1	30				
trans-1,3-Dichloropropene	104	105	77-123	1	30				
cis-1,3-Dichloropropene	105	105	80-126	0	30				

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: Chevron
 Reported: 03/24/06 at 10:53 AM

Group Number: 981278

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
4-Methyl-2-pentanone	103	102	68-133	1	30				
2-Hexanone	99	100	60-135	1	30				
2-Chloroethyl Vinyl Ether	0*	0*	1-172	0	30				
Freon 113	126	124	74-129	2	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: TPH by NWTPH-Gx waters
 Batch number: 06073A07A

Trifluorotoluene-P Trifluorotoluene-F

4726572	113	105
Blank	114	108
LCS	114	113
LCSD	114	113
MS	116	116

Limits: 69-129 63-135

 Analysis Name: TPH by NWTPH-Gx waters
 Batch number: 06073A07B

Trifluorotoluene-P Trifluorotoluene-F

4726562		108
4726564	113	107
4726566	114	107
4726568	116	109
4726570	116	110
Blank	113	107
LCS	114	113
LCSD	114	113
MS	116	116

Limits: 69-129 63-135

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel

Batch number: 060740023A

Orthoterphenyl

4726562	97
4726564	82
Blank	90
LCS	107
LCSD	107

Limits: 52-141

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron
Reported: 03/24/06 at 10:53 AM

Group Number: 981278

Surrogate Quality Control

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel
Batch number: 060760012A
Orthoterphenyl

4726566	94
4726568	87
Blank	92
LCS	103
LCSD	99

Limits: 52-141

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel
Batch number: 060770012A
Orthoterphenyl

4726570	74
Blank	94
LCS	98
LCSD	99

Limits: 52-141

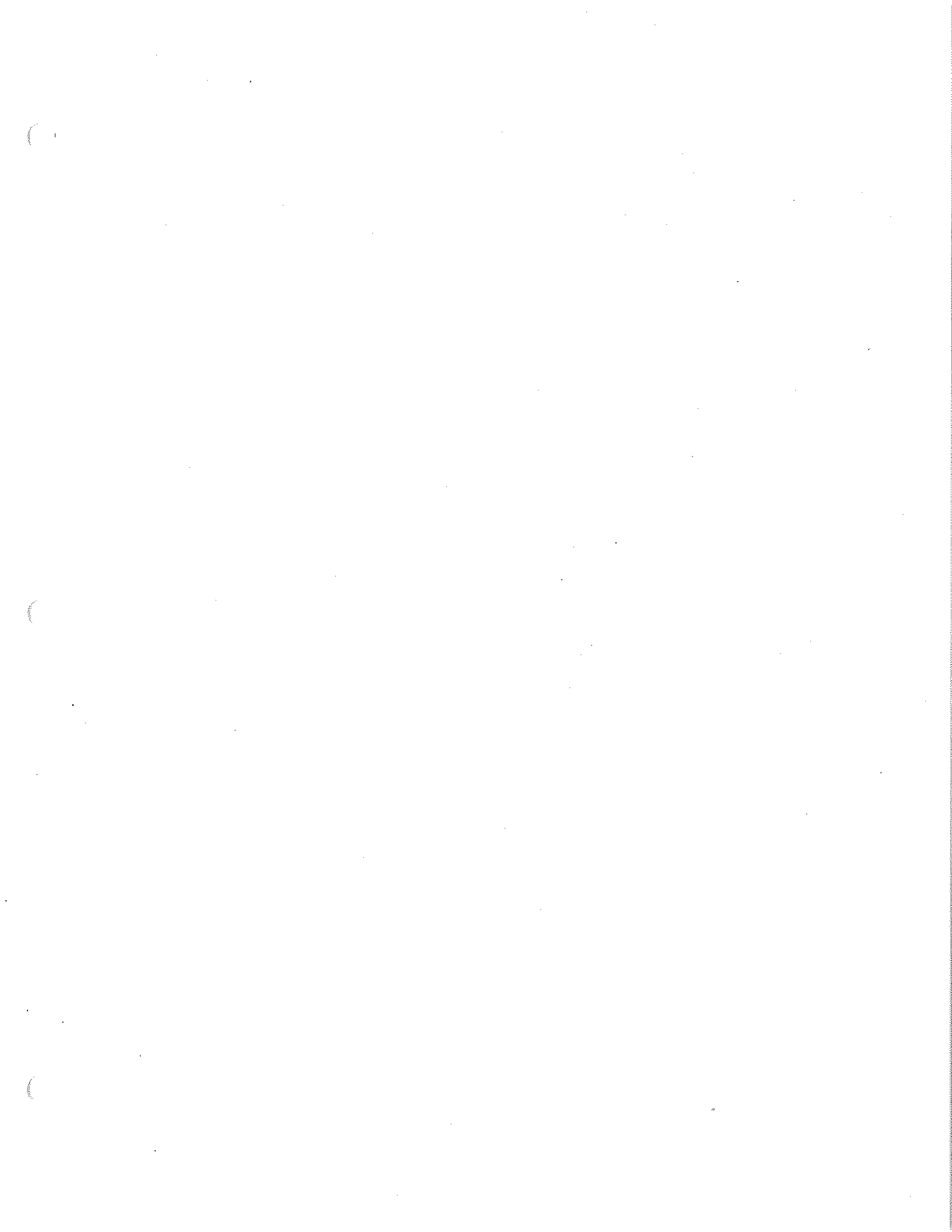
Analysis Name: EPA SW846/8260 (water)
Batch number: W060791AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4726562	83	86	88	86
Blank	82	86	89	86
LCS	93	91	88	91
MS	95	89	87	91
MSD	92	89	87	91

Limits: 80-116 77-113 80-113 78-113

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



Chevron Generic Analysis Request/Chain of Custody



006006
 For Lancaster Laboratories use only
 Acct. #: 11255 Sample #: 4726562-72 SCR#: _____

WSB# NWRTB-305192-0-A14

C#981218

Facility #: 30-5192
 Site Address: 98114 27150 Street NW Stanwood, WA
 Chevron PM: Brett Hunter Lead Consultant: SALC
 Consultant/Office: Bothell, WA
 Consultant Prj. Mgr.: Peter Catterall
 Consultant Phone #: 425-482-3321 Fax #: 425-485-5564
 Sampler: A. Wells / J. Wartes
 Service Order #: 0015001353 Non SAR:

Matrix		Analyses Requested															
		Preservation Codes															
Soil	Water <input checked="" type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/>	Oil <input type="checkbox"/> Air <input type="checkbox"/>	Total Number of Containers	Preservative Codes							Preservative Codes						
				BTEX + MTBE 8021 <input checked="" type="checkbox"/> Naphth <input type="checkbox"/>	8260 full scan	Oxygenates	NWTPH G	NWTPH D <input checked="" type="checkbox"/> Extended Rng. <input checked="" type="checkbox"/> Silica Gel Cleanup	Lead Total <input type="checkbox"/> Diss. <input checked="" type="checkbox"/> Method <u>4000/2000</u>	VP/IEPH	NWTPH HClD <input type="checkbox"/> quantification	H = HCl	T = Thiosulfate				
	Water <input checked="" type="checkbox"/>		6	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
	Water <input checked="" type="checkbox"/>		5	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
	Water <input checked="" type="checkbox"/>		5	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
	Water <input checked="" type="checkbox"/>		6	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
	Water <input checked="" type="checkbox"/>		6	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
	Water <input checked="" type="checkbox"/>		6	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds
 8021 MTBE Confirmation
 Confirm MTBE + Naphthalene
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Sample Identification	Sample Location	Date Collected	Time Collected	Grab	Composite
MW-4	MW-4	3/10/06	1015	X	
MW-1	MW-1		1540	X	
MW-3	MW-3		1125	X	
MW-2	MW-2		1155	X	
FO-2	FO-2		1500	X	
D-031006			1500	X	

Comments / Remarks
Dissolved Lead Field Filtered

Turnaround Time Requested (TAT) (please circle)
 STD. TAT 24 hour
 72 hour
 48 hour
 4 day
 5 day

Data Package Options (please circle if required)
 QC Summary
 Type VI (Raw Data)
 WIP (RWQCB)
 Disk

Type I - Full
 Disk / EDD
 Standard Format
 Other _____

Relinquished by: <u>Alisa Wells</u>	Date: <u>3/10/06</u>	Time: <u>1500</u>	Received by: _____	Date: _____	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: <u>FedEx</u>	UPS <input type="checkbox"/>	Other _____	Received by: _____	Date: <u>3/10/06</u>	Time: <u>1045</u>
Temperature Upon Receipt: <u>1.1-1.6</u> °C			Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Chevron Generic Analysis Request/Chain of Custody



Lancaster Laboratories
Where quality is a science.

amended COC

For Lancaster Laboratories use only

006006

Acc. #: _____

Sample #: _____

SCR#: _____

WSP # NWRTB-105192-C-AIL

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO₃ B = NaOH
S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm MTBE + Naphthalene
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Facility #: 30-4192
Site Address: 1816 77th St NW Stanwood WA
Chevron PM: David Hunter Lead Consultant: AIL
Consultant/Office: Richland WA
Consultant Prj. Mgr.: Chris Katt, call
Consultant Phone #: 775-483-5521 Fax #: 775-483-5566
Sampler: 1 Well / 1 water
Service Order #: 17015001355 Non SAR:

Matrix
 Potable NPDES
 Water Oil Air
Total Number of Containers

Sample ID	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Containers	BTEX + MTBE	8021	8260	Naphth	8260 full scan	Oxygenates	TU/k/PH G	MV/PH D	Extended Rog. / Slica Gel Cleanup	Lead Total	Diss.	Method	VPH/EPH	NWTPH HClID	quantification
AW-4	8/10/06	1415	X			X			6	X				X		X	X	X	X					
AW-1		1500	X			X			5	X				X		X	X	X	X					
AW-3		1500	X			X			6	X				X		X	X	X	X					
AW-2			X			X			6	X				X		X	X	X	X					

Comments / Remarks

Lead was Field Filtered

Turnaround Time Requested (TAT) (please circle)
 STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)
 QC Summary Type I - Full
 Type VI (Raw Data) Disk / EDD
 WAP (RWQCB) Standard Format
 Disk _____ Other

Relinquished by: <u>Chris Katt</u>	Date: <u>8/10/06</u>	Time: <u>1500</u>	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by Commercial Carrier: UPS FedEx Other _____	Temperature Upon Receipt _____ °C		Received by:	Date:	Time:
Custody Seals Intact? Yes No					

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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APPENDIX D

Method B Soil Cleanup Level Calculations Worksheet

Worksheet for Calculating Soil Cleanup Level for Soil Direct Contact pathway: Method B-Unrestricted Land use
(Refer to WAC 173-340-740)

Date: 5/2/2006

Site Name: Site 30-5192 Stanwood

Sample Name: SB-23-5

Chemical of Concern or EC Group	Measured Soil Conc dry basis	Exposure Parameters				Toxicity Parameters		Current Condition			Adjusted Condition			
		ABI	AF	ABS _d	GI	RfD _d	CPF _d	HQ	RISK	Pass or Fail?	Soil Conc being tested	HQ	RISK	Pass or Fail?
		unitless	mg/cm ² -day	unitless	unitless	mg/kg-day	kg-day/mg	unitless	unitless		mg/kg	unitless	unitless	
Petroleum EC Fraction														
AL_EC >5-6	66.6	1	0.2	0.03	0.8	5.7		1.6E-04			1.71E+03	4.06E-03		
AL_EC >6-8	3.1	1	0.2	0.03	0.8	5.7		7.4E-06			7.96E+01	1.89E-04		
AL_EC >8-10	3.5	1	0.2	0.03	0.8	0.03		1.58E-03			8.99E+01	4.06E-02		
AL_EC >10-12	6.2	1	0.2	0.03	0.8	0.03		2.80E-03			1.59E+02	7.18E-02		
AL_EC >12-16	2.9	1	0.2	0.1	0.5	0.03		1.74E-03			7.45E+01	4.47E-02		
AL_EC >16-21	13	1	0.2	0.1	0.5	2		1.17E-04			3.34E+02	3.01E-03		
AL_EC >21-34	170	1	0.2	0.1	0.5	2		1.53E-03			4.37E+03	3.93E-02		
AR_EC >8-10	7.51	1	0.2	0.03	0.8	0.05		2.03E-03			1.93E+02	5.22E-02		
AR_EC >10-12	3.9	1	0.2	0.03	0.8	0.05		1.06E-03			1.00E+02	2.71E-02		
AR_EC >12-16	1.5	1	0.2	0.1	0.5	0.05		5.40E-04			3.85E+01	1.39E-02		
AR_EC >16-21	1.7	1	0.2	0.1	0.5	0.03		1.02E-03			4.37E+01	2.62E-02		
AR_EC >21-34	14	1	0.2	0.1	0.5	0.03		8.40E-03			3.60E+02	2.16E-01		
Benzene	0.466	1	0.2	0.0005	0.95	0.003	0.055	1.94E-03	2.57E-08		1.20E+01	4.99E-02	6.59E-07	
Toluene	0	1	0.2	0.03	1	0.2					0.00E+00			
Ethylbenzene	0.352	1	0.2	0.03	0.92	0.1		4.72E-05			9.04E+00	1.21E-03		
Total Xylenes	2.4	1	0.2	0.03	0.9	2		1.61E-05			6.17E+01	4.14E-04		
Total Naphthalenes	0.86	1	0.2	0.13	0.89	0.02		7.10E-04			2.21E+01	1.82E-02		
n-Hexane	0.22	1	0.2	0.03	0.8	0.06		4.96E-05			5.65E+00	1.27E-03		
MTBE	0										0.00E+00			
Ethylene Dibromide (EDB)	0	1	0.2	0.03	0.8	0.000057	85		0.00E+00		0.00E+00	0.00E+00	0.00E+00	
1,2 Dichloroethane (EDC)	0	1	0.2	0.03	0.8	0.03	0.091		0.00E+00		0.00E+00	0.00E+00	0.00E+00	
Benzo(a)anthracene	0.003	1	0.2	0.13	0.89	0.73		2.89E-09		for	7.71E-02		7.43E-08	for
Benzo(b)fluoranthene	0.0032	1	0.2	0.13	0.89	0.73		3.09E-09		all	8.22E-02		7.93E-08	all
Benzo(k)fluoranthene	0.00071	1	0.2	0.13	0.89	0.73		6.85E-10		cPAHs	1.82E-02		1.76E-08	cPAHs
Benzo(a)pyrene	0.002	1	0.2	0.13	0.89	7.3		1.93E-08			5.14E-02		4.96E-07	
Chrysene	0.0049	1	0.2	0.13	0.89	0.073		4.73E-10			1.26E-01		1.21E-08	
Dibenz(a,h)anthracene	0.003	1	0.2	0.13	0.89	2.92		1.16E-08			7.71E-02		2.97E-07	
Indeno(1,2,3-cd)pyrene	0.00095	1	0.2	0.13	0.89	0.73		9.16E-10			2.44E-02		2.35E-08	
Sum	298.22576							2.37E-02	6.46E-08		7.66E+03	6.10E-01	1.66E-06	

- a. "TPH Test" button below is for testing adjusted condition at a specified TPH concentration.
- b. Check columns at left for Pass/Fail detail.

Current Condition	
TPH, mg/kg=	298.226
HI=	2.374E-02
Cancer RISK=	6.458E-08
Pass or Fail?	Pass

Adjusted Condition	
TPH, mg/kg=	7662.000
HI=	6.100E-01
Cancer RISK=	1.659E-06
Pass or Fail?	Pass
<i>Check Residual Saturation (WAC340-747(10))</i>	

Exposure Parameters		
for Non-carcinogens		Units
Average Body Weight, ABW	16	kg
Averaging Time, AT	6	yr
Exposure Frequency, EF	1	unitless
Exposure Duration, ED	6	yr
Soil Ingestion Rate, SIR	200	mg-day
Dermal Surface Area, SA	2200	cm ²
for Carcinogens		
Averaging time, AT _C	75	yr

Lancaster Laboratories Sample No. SW 4706394
SB-15-14 Grab Soil Sample
Facility# 305192
9816 271st St NE-Stanwood, WA
Collected: 02/08/2006 10:00 by TK
Account Number: 11255
Submitted: 02/09/2006 09:10
Reported: 02/27/2006 at 17:00
Discard: 03/30/2006
ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

S1514

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Method		
				Detection Limit		
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils	n.a.	N.D.	1.4	mg/kg	35.7
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.007	mg/kg	35.7
02177	Toluene	108-88-3	N.D.	0.007	mg/kg	35.7
02178	Ethylbenzene	100-41-4	N.D.	0.007	mg/kg	35.7
02182	Total Xylenes	1330-20-7	N.D.	0.02	mg/kg	35.7
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006	14:25	Christopher A Guessford	35.7
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/17/2006	15:11	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/10/2006	14:25	Christopher A Guessford	35.7
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006	12:32	Stephanie A Sanchez	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/09/2006	12:33	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	2	02/16/2006	14:45	Emily A Malloch	1



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Lancaster Laboratories Sample No. SW 4706394

SB-15-14 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/08/2006 10:00 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

S1514

Lancaster Laboratories Sample No. SW 4706395

SB-3-15 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/08/2006 10:40 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ST315

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils	n.a.	N.D.	0.9	mg/kg	22.7
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.005	mg/kg	22.7
02177	Toluene	108-88-3	N.D.	0.005	mg/kg	22.7
02178	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	22.7
02182	Total Xylenes	1330-20-7	N.D.	0.01	mg/kg	22.7
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006 15:01	Christopher A Guessford	22.7
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/17/2006 15:35	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/10/2006 15:01	Christopher A Guessford	22.7
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006 12:34	Stephanie A Sanchez	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/09/2006 12:33	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	2	02/16/2006 14:45	Emily A Malloch	1



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Lancaster Laboratories Sample No. SW 4706395

SB-3-15 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/08/2006 10:40 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ST315

Lancaster Laboratories Sample No. SW 4706396

SB-16-14 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/08/2006 11:00 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

S1614

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Method		
				Detection Limit		
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils	n.a.	N.D.	1.0	mg/kg	26
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.005	mg/kg	26
02177	Toluene	108-88-3	N.D.	0.005	mg/kg	26
02178	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	26
02182	Total Xylenes	1330-20-7	N.D.	0.02	mg/kg	26
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006 15:37	Christopher A Guessford	26
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/17/2006 15:59	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/10/2006 15:37	Christopher A Guessford	26
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006 12:35	Stephanie A Sanchez	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/09/2006 12:34	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	2	02/16/2006 14:45	Emily A Malloch	1



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Lancaster Laboratories Sample No. SW 4706396

SB-16-14 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/08/2006 11:00 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

S1614

Lancaster Laboratories Sample No. SW 4706397

SB-18-4 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/08/2006 10:45 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ST184

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils	n.a.	1.5	1.0	mg/kg	25.8
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
	The new o-terphenyl surrogate statistical limits are 53-147%. The new limits have not yet been entered into the LIMS.					
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.005	mg/kg	25.8
02177	Toluene	108-88-3	N.D.	0.005	mg/kg	25.8
02178	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	25.8
02182	Total Xylenes	1330-20-7	N.D.	0.02	mg/kg	25.8
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006 16:13	Christopher A Guessford	25.8
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/17/2006 16:23	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/10/2006 16:13	Christopher A Guessford	25.8
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006 12:36	Stephanie A Sanchez	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/09/2006 12:36	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	2	02/16/2006 14:45	Emily A Malloch	1

Lancaster Laboratories Sample No. SW 4706398

SB-6-6 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/08/2006 11:15 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

STA66

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTTPH-Gx soils					
02007	TPH by NWTTPH-Gx soils	n.a.	N.D.	1.2	mg/kg	29.5
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						
02214	TPH by NWTTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.006	mg/kg	29.5
02177	Toluene	108-88-3	N.D.	0.006	mg/kg	29.5
02178	Ethylbenzene	100-41-4	N.D.	0.006	mg/kg	29.5
02182	Total Xylenes	1330-20-7	N.D.	0.02	mg/kg	29.5
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02006	TPH by NWTTPH-Gx soils	ECY 97-602 NWTTPH-Gx modified	1	02/10/2006	16:49	Christopher A Guessford	29.5
02214	TPH by NWTTPH-Dx(soils) w/SiGel	ECY 97-602 NWTTPH-Dx modified	1	02/17/2006	17:11	Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/10/2006	16:49	Christopher A Guessford	29.5
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006	12:37	Stephanie A Sanchez	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/09/2006	12:37	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTTPH-Dx 06/97	2	02/16/2006	14:45	Emily A Malloch	1



Analysis Report

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Page 2 of 2

Lancaster Laboratories Sample No. SW 4706398

SB-6-6 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/08/2006 11:15 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

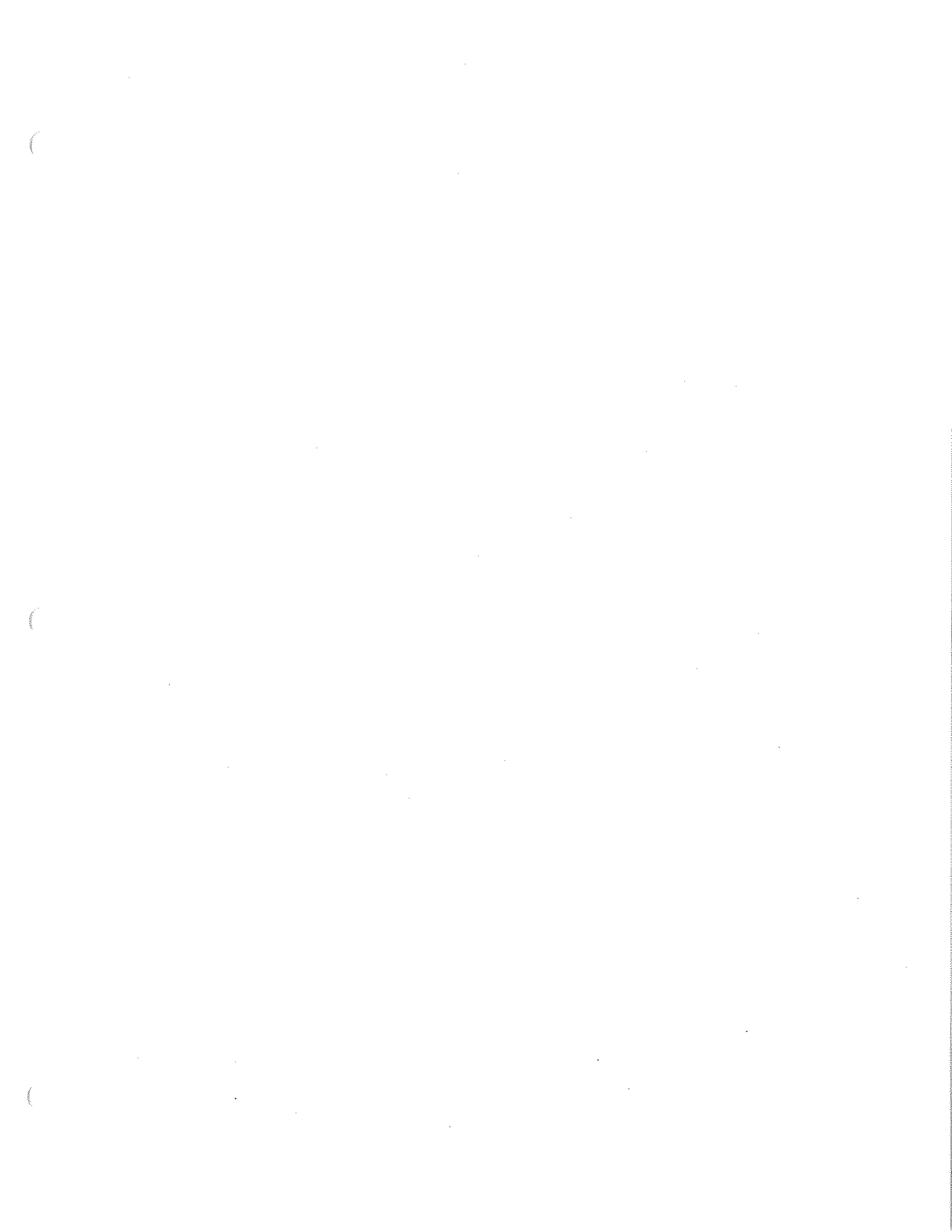
Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

STA66



Lancaster Laboratories Sample No. SW 4706399

SB-19-4 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/08/2006 11:35 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ST194

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	n.a.	N.D.	1.1	mg/kg	28.5
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.006	mg/kg	28.5
02177	Toluene	108-88-3	N.D.	0.006	mg/kg	28.5
02178	Ethylbenzene	100-41-4	N.D.	0.006	mg/kg	28.5
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	1330-20-7	N.D.	0.02	mg/kg	28.5

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/10/2006 17:25	Christopher A Guessford	28.5
05878	BTEX	SW-846 8021B	1	02/10/2006 17:25	Christopher A Guessford	28.5
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006 12:39	Stephanie A Sanchez	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/09/2006 12:38	Stephanie A Sanchez	n.a.

Lancaster Laboratories Sample No. SW 4706400

SB-20-6 Grab Soil Sample

Facility# 305192

9816 271st St NE-Stanwood, WA

Collected: 02/08/2006 12:07 by TK

Account Number: 11255

Submitted: 02/09/2006 09:10

Reported: 02/27/2006 at 17:00

Discard: 03/30/2006

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ST206

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02006	TPH by NWTPH-Gx soils					
02007	TPH by NWTPH-Gx soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	n.a.	N.D.	1.0	mg/kg	25.9
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
05878	BTEX					
02174	Benzene	71-43-2	N.D.	0.005	mg/kg	25.9
02177	Toluene	108-88-3	N.D.	0.005	mg/kg	25.9
02178	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	25.9
02182	Total Xylenes The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.	1330-20-7	N.D.	0.02	mg/kg	25.9

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	02/14/2006 01:34		Christopher A Guessford	25.9
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	02/17/2006 17:35		Matthew E Barton	1
05878	BTEX	SW-846 8021B	1	02/14/2006 01:34		Christopher A Guessford	25.9
06130	GC - 5 g HL Encore Prep	SW-846 5035	1	02/09/2006 12:40		Stephanie A Sanchez	n.a.
06130	GC - 5 g HL Encore Prep	SW-846 5035	2	02/09/2006 12:40		Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	2	02/16/2006 14:45		Emily A Malloch	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/27/06 at 05:00 PM

Group Number: 977517

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 06039A34B	Sample number(s): 4706381-4706399							
TPH by NWTPH-Gx soils	N.D.	1.0	mg/kg	97	74	67-119	27	30
Benzene	N.D.	0.005	mg/kg	95	92	76-118	3	30
Toluene	N.D.	0.005	mg/kg	92	89	72-115	3	30
Ethylbenzene	N.D.	0.005	mg/kg	96	93	77-115	3	30
Total Xylenes	N.D.	0.02	mg/kg	95	92	78-115	3	30
Batch number: 060400023A	Sample number(s): 4706381-4706387, 4706389-4706390							
Diesel Range Organics	N.D.	3.0	mg/kg	74		60-120		
Heavy Range Organics	N.D.	10.	mg/kg					
Batch number: 06040A01B	Sample number(s): 4706393							
Methyl t-butyl ether	N.D.	0.0500	mg/kg	86	85	70-130	2	50
Benzene	N.D.	0.0500	mg/kg	93	93	70-130	0	50
Toluene	N.D.	0.0500	mg/kg	95	95	70-130	0	50
Ethylbenzene	N.D.	0.0500	mg/kg	95	96	70-130	1	50
m,p-Xylenes	N.D.	0.100	mg/kg	97	98	70-130	0	50
o-Xylene	N.D.	0.0500	mg/kg	94	94	70-130	0	50
C5-C6 Aliphatic Hydrocarbons	N.D.	2.50	mg/kg	76	74	70-130	3	50
C6-C8 Aliphatic Hydrocarbons	N.D.	2.50	mg/kg	75	74	70-130	1	50
C8-C10 Aliphatic Hydrocarbons	N.D.	2.50	mg/kg	81	83	70-130	2	50
C8-C10 Aromatic Hydrocarbons	N.D.	2.50	mg/kg	96	94	70-130	2	50
Batch number: 06041SLD026	Sample number(s): 4706393							
Benzo(a)anthracene	N.D.	0.3	ug/kg	91		66-115		
Chrysene	N.D.	0.3	ug/kg	92		81-119		
Benzo(b)fluoranthene	N.D.	1.	ug/kg	108		78-125		
Benzo(k)fluoranthene	N.D.	0.7	ug/kg	95		67-123		
Benzo(a)pyrene	N.D.	0.7	ug/kg	95		70-117		
Indeno(1,2,3-cd)pyrene	N.D.	0.3	ug/kg	103		62-123		
Dibenz(a,h)anthracene	N.D.	0.7	ug/kg	91		71-133		
Batch number: 060440003A	Sample number(s): 4706402-4706403							
Diesel Range Organics	N.D.	3.0	mg/kg	85		60-120		
Heavy Range Organics	N.D.	10.	mg/kg					
Batch number: 060445708001	Sample number(s): 4706382, 4706389, 4706393							
Lead	N.D.	0.780	mg/kg	98		80-120		
Batch number: 06044A34B	Sample number(s): 4706400-4706403							
TPH by NWTPH-Gx soils	N.D.	1.0	mg/kg	83	98	67-119	2	30
Benzene	N.D.	0.005	mg/kg	99	108	76-118	0	30
Toluene	N.D.	0.005	mg/kg	97	106	72-115	0	30
Ethylbenzene	N.D.	0.005	mg/kg	100	109	77-115	0	30
Total Xylenes	N.D.	0.02	mg/kg	98	107	78-115	0	30
Batch number: 060450000A	Sample number(s): 4706393							

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/27/06 at 05:00 PM

Group Number: 977517

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
>C10 - C12 Aliphatic	N.D.	1.0	mg/kg	76		70-130		
>C12 - C16 Aliphatic	N.D.	1.0	mg/kg	87		70-130		
>C16 - C21 Aliphatic	N.D.	1.0	mg/kg	92		70-130		
>C21 - C34 Aliphatic	1.7	1.0	mg/kg	93		70-130		
>C10 - C12 Aromatic	N.D.	1.0	mg/kg	81		70-130		
>C12 - C16 Aromatic	N.D.	1.0	mg/kg	86		70-130		
>C16 - C21 Aromatic	N.D.	1.0	mg/kg	94		70-130		
>C21 - C34 Aromatic	N.D.	1.0	mg/kg	92		70-130		
Batch number: 060470020A	Sample number(s): 4706391-4706398,4706400-4706401							
Diesel Range Organics	N.D.	3.0	mg/kg	87	90	60-120	3	20
Heavy Range Organics	N.D.	10.	mg/kg					
Batch number: 060520003A	Sample number(s): 4706388							
Diesel Range Organics	N.D.	3.0	mg/kg	80		60-120		
Heavy Range Organics	N.D.	10.	mg/kg					
Batch number: X060451AA	Sample number(s): 4706382,4706393							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	90	91	75-125	1	30
di-Isopropyl ether	N.D.	1.	ug/kg	91	90	70-129	1	30
Ethyl t-butyl ether	N.D.	1.	ug/kg	91	89	62-131	2	30
t-Amyl methyl ether	N.D.	1.	ug/kg	91	90	63-129	1	30
t-Butyl alcohol	N.D.	20.	ug/kg	94	92	52-153	3	30
Dichlorodifluoromethane	N.D.	2.	ug/kg	77	76	24-169	2	30
Chloromethane	N.D.	2.	ug/kg	85	81	51-136	4	30
Vinyl Chloride	N.D.	1.	ug/kg	85	82	54-129	4	30
Bromomethane	N.D.	2.	ug/kg	81	78	59-127	3	30
Chloroethane	N.D.	2.	ug/kg	81	78	63-120	4	30
Trichlorofluoromethane	N.D.	2.	ug/kg	87	85	55-142	3	30
1,1-Dichloroethene	N.D.	1.	ug/kg	91	89	69-123	2	30
Methylene Chloride	N.D.	2.	ug/kg	94	91	75-120	3	30
trans-1,2-Dichloroethene	N.D.	1.	ug/kg	92	89	77-124	3	30
1,1-Dichloroethane	N.D.	1.	ug/kg	95	91	79-124	4	30
2,2-Dichloropropane	N.D.	1.	ug/kg	92	88	72-123	4	30
cis-1,2-Dichloroethene	N.D.	1.	ug/kg	94	90	76-120	4	30
Chloroform	N.D.	1.	ug/kg	94	94	81-117	1	30
Bromochloromethane	N.D.	1.	ug/kg	92	91	68-122	1	30
1,1,1-Trichloroethane	N.D.	1.	ug/kg	94	91	74-127	3	30
Carbon Tetrachloride	N.D.	1.	ug/kg	93	92	69-130	2	30
1,1-Dichloropropene	N.D.	1.	ug/kg	92	88	75-121	4	30
Benzene	N.D.	0.5	ug/kg	94	92	77-119	2	30
1,2-Dichloroethane	N.D.	1.	ug/kg	94	95	76-126	2	30
Trichloroethene	N.D.	1.	ug/kg	94	92	81-114	3	30
1,2-Dichloropropane	N.D.	1.	ug/kg	94	91	78-119	3	30
Dibromomethane	N.D.	1.	ug/kg	94	94	75-123	0	30
Bromodichloromethane	N.D.	1.	ug/kg	94	93	77-116	2	30
Toluene	N.D.	1.	ug/kg	90	89	81-116	1	30
1,1,2-Trichloroethane	N.D.	1.	ug/kg	90	89	74-117	2	30
Tetrachloroethene	N.D.	1.	ug/kg	91	86	70-117	6	30
1,3-Dichloropropane	N.D.	1.	ug/kg	89	90	74-119	1	30
Dibromochloromethane	N.D.	1.	ug/kg	87	88	73-116	1	30
1,2-Dibromoethane	N.D.	1.	ug/kg	86	89	77-114	3	30
Chlorobenzene	N.D.	1.	ug/kg	91	88	81-112	4	30
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/kg	90	90	78-115	0	30
Ethylbenzene	N.D.	1.	ug/kg	90	89	82-115	2	30

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/27/06 at 05:00 PM

Group Number: 977517

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
m+p-Xylene	N.D.	1.	ug/kg	91	89	82-117	2	30
o-Xylene	N.D.	1.	ug/kg	91	89	82-117	2	30
Styrene	N.D.	1.	ug/kg	90	88	79-116	2	30
Bromoform	N.D.	1.	ug/kg	82	85	71-111	4	30
Isopropylbenzene	N.D.	1.	ug/kg	90	89	79-117	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	79	82	71-121	4	30
Bromobenzene	N.D.	1.	ug/kg	85	84	77-113	2	30
1,2,3-Trichloropropane	N.D.	1.	ug/kg	79	85	67-126	7	30
n-Propylbenzene	N.D.	1.	ug/kg	89	85	76-122	4	30
2-Chlorotoluene	N.D.	1.	ug/kg	87	84	73-114	3	30
1,3,5-Trimethylbenzene	N.D.	1.	ug/kg	86	85	74-112	1	30
4-Chlorotoluene	N.D.	1.	ug/kg	86	84	75-110	2	30
tert-Butylbenzene	N.D.	1.	ug/kg	86	86	72-113	1	30
1,2,4-Trimethylbenzene	N.D.	1.	ug/kg	86	86	74-117	0	30
sec-Butylbenzene	N.D.	1.	ug/kg	86	85	72-112	1	30
p-Isopropyltoluene	N.D.	1.	ug/kg	87	86	72-113	1	30
1,3-Dichlorobenzene	N.D.	1.	ug/kg	86	85	76-112	1	30
1,4-Dichlorobenzene	N.D.	1.	ug/kg	86	85	78-108	1	30
n-Butylbenzene	N.D.	1.	ug/kg	85	84	68-116	1	30
1,2-Dichlorobenzene	N.D.	1.	ug/kg	86	86	81-109	0	30
1,2-Dibromo-3-chloropropane	N.D.	2.	ug/kg	71	81	49-127	14	30
1,2,4-Trichlorobenzene	N.D.	1.	ug/kg	84	87	69-111	3	30
Hexachlorobutadiene	N.D.	2.	ug/kg	86	88	57-122	3	30
Naphthalene	N.D.	1.	ug/kg	76	86	52-121	13	30
1,2,3-Trichlorobenzene	N.D.	1.	ug/kg	83	91	63-120	10	30
Acetone	N.D.	7.	ug/kg	73	81	11-224	11	30
Carbon Disulfide	N.D.	1.	ug/kg	87	84	60-126	3	30
2-Butanone	N.D.	4.	ug/kg	73	82	35-171	12	30
trans-1,3-Dichloropropene	N.D.	1.	ug/kg	86	89	81-119	3	30
cis-1,3-Dichloropropene	N.D.	1.	ug/kg	92	92	72-117	0	30
4-Methyl-2-pentanone	N.D.	3.	ug/kg	75	85	51-141	12	30
2-Hexanone	N.D.	3.	ug/kg	69	80	38-154	14	30
Freon 113	N.D.	2.	ug/kg	79	76	58-129	4	30

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 060400023A	Sample number(s): 4706381-4706387,4706389-4706390 BKG: 4706381								
Diesel Range Organics						N.D.	N.D.	0 (1)	20
Heavy Range Organics						N.D.	N.D.	0 (1)	20
Batch number: 06041SLD026	Sample number(s): 4706393 UNSPK: 4706393								
Benzo(a)anthracene	103	102	52-141	1	30				
Chrysene	83	89	47-147	6	30				
Benzo(b)fluoranthene	124	103	44-149	19	30				
Benzo(k)fluoranthene	93	97	53-130	4	30				
Benzo(a)pyrene	101	97	54-129	4	30				
Indeno(1,2,3-cd)pyrene	98	99	38-143	1	30				
Dibenz(a,h)anthracene	86	86	47-133	0	30				

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/27/06 at 05:00 PM

Group Number: 977517

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 060440003A Diesel Range Organics Heavy Range Organics	Sample number(s): 4706402-4706403 BKG: 4706402								
						N.D.	N.D.	0 (1)	20
						N.D.	N.D.	0 (1)	20
Batch number: 060445708001 Lead	Sample number(s): 4706382,4706389,4706393 UNSPK: P706631 BKG: P706631								
	(2)	(2)	75-125	7	20	185.	178.	4	20
Batch number: 06044A34B TPH by NWTPH-Gx soils Benzene Toluene Ethylbenzene Total Xylenes	Sample number(s): 4706400-4706403 UNSPK: P702832								
	82	87	39-118	7	30				
	89	82	52-135	7	30				
	89	84	59-129	6	30				
	93	87	56-132	7	30				
	94	89	54-134	6	30				
Batch number: 060450000A >C10 - C12 Aliphatic >C12 - C16 Aliphatic >C16 - C21 Aliphatic >C21 - C34 Aliphatic >C10 - C12 Aromatic >C12 - C16 Aromatic >C16 - C21 Aromatic >C21 - C34 Aromatic	Sample number(s): 4706393 UNSPK: 4706393 BKG: 4706393								
	144*		70-130			N.D.	N.D.	0 (1)	25
	175*		70-130			N.D.	N.D.	0 (1)	25
	171*		70-130			8.1	9.6	17 (1)	25
	(2)		70-130			140.	180.	24	25
	39*		70-130			N.D.	N.D.	0 (1)	25
	41*		70-130			N.D.	N.D.	0 (1)	25
	39*		70-130			1.8	2.2	21 (1)	25
	-1*		70-130			28.	24.	17 (1)	25
Batch number: 060520003A Diesel Range Organics Heavy Range Organics	Sample number(s): 4706388 BKG: P709962								
						N.D.	N.D.	0 (1)	20
						N.D.	N.D.	0 (1)	20
Batch number: X060451AA Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2,2-Dichloropropane cis-1,2-Dichloroethene Chloroform Bromochloromethane 1,1,1-Trichloroethane Carbon Tetrachloride 1,1-Dichloropropene Benzene	Sample number(s): 4706382,4706393 UNSPK: P709896								
	79	76	47-130	1	30				
	80	76	58-122	0	30				
	78	75	57-122	2	30				
	75	73	58-119	2	30				
	82	80	51-134	2	30				
	93	85	19-158	5	30				
	88	83	41-131	1	30				
	85	75	43-125	7	30				
	75	71	45-124	0	30				
	75	68	51-120	4	30				
	80	72	51-134	5	30				
	79	75	51-121	0	30				
	81	78	55-125	1	30				
	72	67	57-125	3	30				
	82	79	65-125	1	30				
	75	71	58-122	0	30				
	73	69	59-118	0	30				
	76	71	65-126	0	30				
	74	68	52-120	4	30				
	70	66	57-125	1	30				
	64	59	51-127	3	30				
	64	60	51-123	2	30				
	71	67	59-120	0	30				

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/27/06 at 05:00 PM

Group Number: 977517

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,2-Dichloroethane	77	73	62-130	1	30				
Trichloroethene	60	57	49-134	0	30				
1,2-Dichloropropane	70	66	64-120	1	30				
Dibromomethane	67	66	61-118	4	30				
Bromodichloromethane	66	62	57-117	1	30				
Toluene	58	52	49-132	5	30				
1,1,2-Trichloroethane	62	59	55-128	1	30				
Tetrachloroethene	47	44	33-137	3	30				
1,3-Dichloropropane	65	61*	62-119	1	30				
Dibromochloromethane	55*	52*	58-113	1	30				
1,2-Dibromoethane	58*	54*	62-116	1	30				
Chlorobenzene	44*	39*	52-120	7	30				
1,1,1,2-Tetrachloroethane	49*	46*	58-115	2	30				
Ethylbenzene	46*	41*	50-127	5	30				
m+p-Xylene	43*	38*	44-127	7	30				
o-Xylene	43*	39*	44-127	4	30				
Styrene	35*	31*	40-120	5	30				
Bromoform	41*	38*	45-113	3	30				
Isopropylbenzene	39*	35*	41-120	5	30				
1,1,2,2-Tetrachloroethane	47	42	37-142	4	30				
Bromobenzene	40*	35*	52-118	8	30				
1,2,3-Trichloropropane	52	48	47-144	1	30				
n-Propylbenzene	40*	34*	44-130	13	30				
2-Chlorotoluene	39*	33*	48-123	14	30				
1,3,5-Trimethylbenzene	38*	32*	47-130	13	30				
4-Chlorotoluene	36*	31*	51-125	11	30				
tert-Butylbenzene	40	32*	38-133	17	30				
1,2,4-Trimethylbenzene	38	31*	38-133	17	30				
sec-Butylbenzene	35*	30*	36-134	11	30				
p-Isopropyltoluene	35	29*	34-131	14	30				
1,3-Dichlorobenzene	32*	27*	42-120	12	30				
1,4-Dichlorobenzene	31*	26*	47-120	14	30				
n-Butylbenzene	29*	25*	32-129	11	30				
1,2-Dichlorobenzene	29*	25*	41-117	11	30				
1,2-Dibromo-3-chloropropane	36*	32*	39-128	6	30				
1,2,4-Trichlorobenzene	20	18	7-121	5	30				
Hexachlorobutadiene	24	22	1-128	2	30				
Naphthalene	15	14	10-129	3	30				
1,2,3-Trichlorobenzene	18	16	6-127	7	30				
Acetone	75	68	18-226	4	30				
Carbon Disulfide	68	63	37-124	2	30				
2-Butanone	78	73	37-158	1	30				
trans-1,3-Dichloropropene	55	50*	54-124	3	30				
cis-1,3-Dichloropropene	59	57	54-122	2	30				
4-Methyl-2-pentanone	68	63	42-128	2	30				
2-Hexanone	63	56	33-146	6	30				
Freon 113	65	62	41-119	0	30				

Surrogate Quality Control

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/27/06 at 05:00 PM

Group Number: 977517

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX
Batch number: 06039A34B

	Trifluorotoluene-F	Trifluorotoluene-P
4706381	69	81
4706382	72	66
4706383	67	73
4706384	65	75
4706385	71	77
4706386	65	71
4706387	58*	64
4706388	68	76
4706389	26*	28*
4706390	21*	22*
4706391	68	73
4706392	72	73
4706393	67	71
4706394	65	67
4706395	70	70
4706396	66	71
4706397	61	64
4706398	58*	62
4706399	67	69
Blank	89	104
LCS	112	95
LCSD	86	102

Limits: 61-122 55-124

Analysis Name: TPH by NWTPH-Dx(soils) w/SiGel
Batch number: 060400023A
Orthoterphenyl

4706381	94
4706382	111
4706383	87
4706384	88
4706385	109
4706386	91
4706387	75
4706389	95
4706390	91
Blank	97
DUP	101
LCS	100

Limits: 65-143

Analysis Name: WA- VPH soils
Batch number: 06040A01B

	Trifluorotoluene-P	Trifluorotoluene-F
4706393	91	97
Blank	96	101
LCS	101	108

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/27/06 at 05:00 PM

Group Number: 977517

Surrogate Quality Control

LCSD	101	107
Limits:	60-140	60-140

Analysis Name: Selected SVOA's in soil by SIM

Batch number: 06041SLD026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4706393	116	88	83
Blank	92	82	83
LCS	104	79	84
MS	98	90	87
MSD	113	70	84

Limits:	41-150	52-123	54-150
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Analysis Name: TPH by NWTPH-Dx(soils) w/SiGel

Batch number: 060440003A

Orthoterphenyl

4706402	83
4706403	82
Blank	104
DUP	95
LCS	119

Limits:	65-143
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Analysis Name: BTEX

Batch number: 06044A34B

	Trifluorotoluene-F	Trifluorotoluene-P
4706400	63	64
4706401	78	82
4706402	66	67
4706403	70	64
Blank	82	90
LCS	102	98
LCSD	99	98
MS	80	82
MSD	86	79

Limits:	61-122	55-124
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Analysis Name: WA EPH in Soil

Batch number: 060450000A

Orthoterphenyl

1-chlorooctadecane

4706393	82	49*
Blank	81	95
DUP	79	56*
LCS	85	94
MS	36*	56*

Limits:	60-140	60-140
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Analysis Name: TPH by NWTPH-Dx(soils) w/SiGel

Batch number: 060470020A

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/27/06 at 05:00 PM

Group Number: 977517

Surrogate Quality Control

Orthoterphenyl

4706391	76
4706392	87
4706393	67
4706394	89
4706395	86
4706396	96
4706397	64*
4706398	98
4706400	96
4706401	80
Blank	108
LCS	114
LCS D	116

Limits: 65-143

Analysis Name: TPH by NWTPH-Dx (soils) w/SiGel
Batch number: 060520003A
Orthoterphenyl

4706388	97
Blank	107
DUP	103
LCS	119

Limits: 65-143

Analysis Name: EPA SW 846/8260 - Soil
Batch number: X060451AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
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4706382	88	81	93	90
4706393	88	83	90	85
Blank	89	87	87	87
LCS	89	83	88	87
LCS D	88	83	88	88
MS	91	90	91	86
MS D	91	86	89	84

Limits: 71-114 70-109 70-123 70-111

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

SW 95-00

March 29, 2005

Thom Graafstra
Weed Graafstra & Benson Inc. PS
21 Avenue A
Snohomish, WA 98290-2944

RE: *Raplee Property, Stanwood*

Dear Thom:

When you have had a chance to review the enclosed UST removal and investigation report, please feel free to call with any questions. I'll be sending a copy of the report to Chevron and will follow up with a phone call later in the week.

Thank you.

Sincerely,



Joshua M. Lipsky
Direct Line: (206) 292-2633
Email: jlipsky@cascadialaw.com
Office: Seattle

JML:tj

Enclosure

cc: Wayne Raplee

RECEIVED

MAR 30 2005

WGB, INC., P.S.