Prepared for: Chevron Environmental Management Company 6001 Bollinger Canyon Road San Ramon, California



# Soil and Groundwater Investigation

Chevron Site No. 1001152 State Route 274 Tekoa, Washington

ENSR Corporation February 2008 Project No.: 01231-341



Prepared for: Chevron Environmental Management Company 6001 Bollinger Canyon Road San Ramon, California

# Soil and Groundwater Investigation

Chevron Site No. 1001152 State Route 274 Tekoa, Washington





Brett Bardsley, LG Project Manager

ENSR Corporation February 2008 Project No.: 01231-341 Donald Lance, LG/LHG Senior Project Manager



# Contents

EXECUT	IVE SUMMARY	1
1.0 INTR	ODUCTION	3
2.0 BAC	KGROUND	3
3.0 PURF	POSE AND SCOPE OF WORK	4
4.0 SUBS	SURFACE EXPLORATIONS	6
4.1	Sampling Strategy	6
4.2	Site Geology and Hydrogeology	6
4.3	Soil Sampling	7
4.4	Groundwater Sampling	8
4.5	Investigation Derived Wastes	8
5.0 ANAL	LYTICAL RESULTS	8
5.1	Soil Analytical Results	9
5.2	Groundwater Analytical Results	10
5.3	Quality Control Evaluation	11
6.0 CON(	CLUSIONS AND RECOMENDATIONS	11
7.0 LIMIT	ATIONS	12
8.0 REFE	ERENCES	12



## **List of Tables**

- Table 1
   Summary of Soil Analytical Data BETX, Petroleum Hydrocarbons, and Lead
- Table 2
   Summary of Soil Analytical Data Volatile Organic Compounds
- Table 3
   Summary of Soil Analytical Data Polynuclear Aromatic Hydrocarbons
- Table 4
   Summary of Groundwater Analytical Data BETX, Petroleum Hydrocarbons, and Lead
- Table 5
   Summary of Groundwater Analytical Data Volatile Organic Compounds
- Table 6
   Summary of Groundwater Analytical Data Polynuclear Aromatic Hydrocarbons

## **List of Figures**

Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Summary of Soil Analytical Data
Figure 4	Summary of Groundwater Analytical Data

## **Appendices**

- Appendix A Soil Boring Logs
- Appendix B Laboratory Report

## **EXECUTIVE SUMMARY**

ENSR Corporation (ENSR) was retained by Chevron Environmental Management Company (CEMC) to conduct a soil and groundwater investigation to support CEMC's abandonment process at the former Chevron Bulk Plant No. 1001152 (1.14 acre vacant lot) located along State Route 274 immediately east of Tekoa, in Whitman county, Washington (the Property). Based, in part, on the findings of ENSR's baseline report, completed in September 2007, ENSR conducted the investigation in October 2007 to assess the areas of concern identified at the Property. The investigation included the installation of 14 soil borings on the Property, as described below:

- Borings SB-1 and SB-2 were completed in the vicinity of the former aboveground storage tanks (ASTs) near the northeast corner of the Property. Soil samples were collected from these locations.
- Boring SB-3 was completed in the region between the former locations of the warehouse and ASTs. Soil and groundwater samples were collected at this location.
- Boring SB-4 was completed near the southeast corner of the Property in the area of the former pump house. Soil and groundwater samples were collected at this location.
- Borings SB-5, SB-6, SB-7, SB-8, SB-9, and SB-10 were completed in the south central portion of the Property in the vicinity of the former warehouse building and associated docks and loading rack. Soil samples were collected from these locations. Groundwater samples were collected from borings SB-6 and SB-10.
- Borings SB-11, SB-12, SB-13 and SB-14 were completed in the inferred down-gradient direction (based on local topography) of the former bulk plant facilities along the northern and western Property lines. In addition, boring SB-11 was completed in the former area of the garage. Soil and groundwater samples were collected from these locations.

Selected soil and groundwater samples collected from these borings were analyzed for the following: benzene, ethylbenzene, toluene, and total xylenes (BETX), gasoline-range hydrocarbons (TPH-G), diesel-range hydrocarbons (TPH-D), heavy oil-range hydrocarbons (TPH-O), total lead (soil only), dissolved lead (water only), volatile organic compounds (VOCs), and polynuclear aromatic hydrocarbons (PAHs).

The soil results for the 14 soil samples analyzed are summarized as follows:

- BETX group compounds were detected<sup>1</sup> in soil at concentrations less than the State of Washington Model Toxic Control Act (MTCA) (Washington Administrative Code [WAC] 173-340) suggested cleanup levels or formula values with the exception of benzene (0.038 milligrams per kilogram [mg/kg]) and total xylenes (31 mg/kg) in the sample collected from boring SB-9 at 6 to 6.5 feet bgs. Conversely, the laboratory reporting limits for nine (9) samples were above the MTCA Method A suggested cleanup level for benzene; therefore, it is not known whether or not benzene was present in concentrations exceeding the MTCA Method A cleanup level in those samples.
- TPH-G was detected in borings SB-2, SB-4, SB-5, SB-7, SB-9, and SB-10 at concentrations greater than the MTCA Method A suggested cleanup level of 30 mg/kg.

<sup>&</sup>lt;sup>1</sup> <u>Detected</u> means that the analyte concentration exceeded the laboratory reporting limit.



- TPH-D was detected in soil in borings SB-2, SB-4, SB-5, SB-7, SB-9 and SB-10, but at concentrations less than the MTCA Method A cleanup level of 2,000 mg/kg.
- TPH-O was not detected in soil collected from the borings.
- Total lead was detected in soil in borings SB-2, SB-4, SB-7, SB-9 and SB-13 at concentrations below the MTCA Method A suggested cleanup level and near or below the published background concentrations for the State of Washington of 17 mg/kg.
- Low levels of VOCs and PAHs were detected in all of the borings, but at concentrations below MTCA Method A suggested cleanup levels and/or MTCA Method B formula values, with the exception of naphthalene in boring SB-9. Naphthalene was detected during the VOCs analysis above the MTCA Method A suggested cleanup level, but below the MTCA Method B formula value.

Groundwater was encountered in the borings at depths ranging from approximately 6 to 11 feet bgs. A total of eight (8) groundwater samples were analyzed. The results are summarized as follows:

- One or more BETX group compounds were detected in groundwater samples collected from borings SB-4, SB-6, and SB-10 through SB-13, but at concentrations below the MTCA Method A suggested cleanup levels, MTCA Method B formula values, and State of Washington Groundwater Protection Standards (WAC 173-200), with the exception of benzene in borings SB-4 (23 micrograms per liter [µg/L] and SB-10 (8 µg/L).
- TPH-G and TPH-D were detected in groundwater samples collected from borings SB-4, SB-6, SB-10, and SB-11 at concentrations above the MTCA Method A suggested cleanup levels. In addition, the laboratory reporting limit for the sample collected from boring SB-3 was above the MTCA Method A suggested cleanup level for TPH-D; therefore, it is not known whether or not TPH-D in this sample was present in concentrations exceeding the MTCA Method A cleanup level.
- TPH-O was only detected in groundwater at one sample location (boring SB-10), but below the MTCA Method A suggested cleanup level. However, the laboratory reporting limits for samples from borings SB-3 and SB-6 were above the MTCA Method A suggested cleanup level for TPH-O; therefore, it is not known whether or not TPH-O concentrations exceeded the MTCA Method A suggested cleanup levels in these borings.
- Dissolved lead was detected in groundwater in borings SB-3, SB-4, SB-6, SB-10, SB-13 and SB-14, but at concentrations below the MTCA Method A suggested cleanup level.
- All detected VOCs and PAHs in groundwater were less than the MTCA Method A suggested cleanup levels, MTCA Method B formula values, and/or State of Washington Groundwater Protection Standards (WAC 173-200), with the exception of the VOC constituent 1,2-dichlorethane (EDC) in boring SB-10.

Throughout the report, soil and groundwater analytical results are compared to MTCA (WAC 173-340) Method A suggested cleanup levels, MTCA Method B formula values, and State of Washington Groundwater Protection Standards (WAC 173-200) where available. These cleanup levels, formula values and standards for soil and groundwater are provided for comparison purposes only and a site-specific determination of appropriate cleanup levels and/or standards is beyond the scope of the soil and groundwater investigation.

## 1.0 INTRODUCTION

ENSR Corporation (ENSR) was retained by Chevron Environmental Management Company (CEMC) to conduct a soil and groundwater investigation to support CEMC's abandonment process at the former Chevron Bulk Plant No. 1001152 located along State Route 274 immediately east of Tekoa, in Whitman County, Washington (the Property) (Figure 1). Based, in part, on the findings of ENSR's baseline report (ENSR, 2007b), completed in September 2007, ENSR conducted the investigation in October 2007 to assess the areas of concern identified at the Property.

The subsurface investigation consisted of the installation of 14 soil borings (Figure 2):

- Two in the vicinity of the former aboveground storage tanks (ASTs);
- One between the warehouse/AST area and the north Property line;
- One in the former area of the pump house;
- Six in the vicinity of the former warehouse building and associated docks and loading racks;
- Three along the northern Property line, including one near the former area of the garage; and
- One along the western Property line.

The purpose of the subsurface investigation was to: (1) obtain site-specific soil and groundwater data to determine if residual petroleum hydrocarbons are present from past bulk plant operations, and (2) to characterize the shallow geology beneath the Property. Planning and preparation for this investigation was described in ENSR's work plan (ENSR, 2007a).

## 2.0 BACKGROUND

Tekoa is located approximately 35 miles southeast of Spokane, Washington, and 2 miles west of the Idaho border and the Coeur d'Alene Indian Reservation. The Property composes a portion of the southwest quadrant of Section 18, Township 20 North, Range 46 East, W.E. According to the Whitman County Tax Assessor, the Property is identified as Parcel No. 2-0000-46-20-18-3901 and currently consists of approximately 1.14 acres of vacant land.

The Property is bordered to the north by Little Hangman Creek, agricultural land, and State Highway 274; to the south by the former Union Pacific Railroad line (tracks and ties have been removed) and agricultural land; and to the east and west by agricultural land. The Property is accessible via a short roadway (part of the subject Property) leading south from State Route 274.

ENSR performed a review to identify potential sources of residual petroleum hydrocarbons and potential receptors in September 2007 (ENSR, 2007b). Results of the sources and receptors review may be summarized as follows:

The assessment included a review of documentation available from Chevron EMC and Chevron Business Real Estate Services (CBRES); a review of local governmental records; an analysis of historical aerial photographs, other records, and maps; a review of prior environmental reports; an evaluation of federal and state governmental incident files (using Environmental Data Resources [EDR]); a review for potable and non-potable water well details; and interviews with selected local governmental officials.

The Property is not currently in active use. The only obvious structures remaining on the Property are fencing, a utility pole, and a concrete bridge over Little Hangman Creek. State Highway 274 runs in an east-west direction immediately north of the Property and a Union Pacific Railroad right-of-way borders the Property to the south. All other surrounding properties are agricultural land. The nearest sensitive

receptor is Little Hangman Creek, which runs adjacent to the northern Property boundary. There are no other sensitive receptors within 1/4 mile of the Property.

The Property was purchased by Standard Oil Company (now Chevron Corporation) in 1917. It was the site of a petroleum-based fuels bulk storage plant until the plant's closure in 1975. No information, other than (1) tax assessment records describing the facility, (2) a 1970 aerial photograph, and (3) a 1964 topographic map, is available on the use or conditions of the Property during its operational lifetime as a bulk plant. The tax assessment records, from the 1960s and 1970s, provide a list of buildings and storage tanks on the Property at that time. The records indicate that three 19,995-gallon tanks, of unknown contents, were formerly located on the Property. These tanks were located above ground and their long dimensions were horizontal, based on a site location map associated with this tax document. The tax assessment record also identifies the presence of an 18,137-gallon tank; however, the number preceding the text line appears to be a three, while the calculation of the value of the improvement indicates that there is one tank. No additional documents were found to clarify the number of 18,137 gallon tanks that were located on the Property. The location of the 18,137-gallon tank(s) is unknown.

The storage tanks appear to have been removed from the Property upon closure of the plant, based on a tax assessor document dated 1977, which states "tanks all gone." However, a CBRES e-mail dated October 1999, with the subject line "Tekoa/San Diego," states that "once the buildings are flatlotted and the tanks are pulled, etc. we may require environmental work," but it is unclear whether this refers to the Tekoa property or a San Diego property. There is, therefore, some ambiguity pertaining to the removal of all tanks located at the Property. Buildings associated with the plant remained until 2005, including a garage, warehouse, office, and pump house. The approximate locations of former structures and tanks at the Property are depicted in Figure 2. From the late 1970s to 2004 the Property was leased to Cash Hardware Company, who used the Property to store John Deere farm equipment. Cash Hardware ceased using the Property in 2004 and all buildings at the Property were demolished in 2005, under Chevron direction.

A review of federal and state databases did not identify records for the Property, any adjacent properties, or any properties within 1/4 mile of the Property. No local governmental agencies had records on file related to the Property. No prior environmental reports are known to have been prepared for the Property.

In June 2004, based on an email dated June 15, 2004, a CBRES representative visited the Property and made the observation of smoke rising from a pile of burning pallets and other materials, an open gasoline can (used to start the fire), locked buildings, buildings in dangerous condition, and John Deere equipment stored throughout the site. ENSR believes that areas where Cash Hardware stored equipment and burned debris at the Property have the potential to present sources of groundwater and/or soil impacts at the Property.

The long-term historic operations at the bulk plant have the potential for groundwater and/or soil impacts at the Property. ENSR believes the historical operations associated with the garage, tanks, warehouse, pump house, and docks (wherever petroleum hydrocarbons were stored, conveyed, or otherwise handled) are potential sources for adverse impacts. No other potential onsite or offsite sources were identified during this assessment.

## 3.0 PURPOSE AND SCOPE OF WORK

Based on the findings of the baseline report (ENSR, 2007b), ENSR conducted a follow-on site investigation at the Property to address the identified areas of concern. The investigation activities consisted of sampling soils from 14 soil borings onsite (denoted as SB-1 through SB-14) and groundwater produced from 8 temporary monitoring wells installed in select borings (SB-3, SB-4, SB-6, and SB-10 through SB-14).

The specific scope of work completed by ENSR included the following:

- Prepared a site- and activity-specific health and safety plan (HASP), based on requirements of the Occupational Safety and Health Administration Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120). This HASP was implemented by ENSR and the drilling subcontractors during field activities.
- 2. Arranged for a one-call public utility locate by the Washington Utility Notification Service to locate and mark potential offsite underground utility lines and substructures. This was followed by a private utility locate for the area of investigation to provide more detailed information of potential onsite underground utility lines and substructures prior to the start of work.
- 3. Identified four onsite areas of concern (warehouse building and associated docks and loading rack, the pump house, the AST area, and the garage and areas adjacent to the northern and western Property lines), and established soil boring locations, based on historical bulk plant uses to evaluate potential impacts to soil and/or groundwater.
- 4. Oversaw the utility clearance at each soil boring location using air knife and soil vacuum extraction. The locations were cleared to a depth of approximately eight feet below ground surface (bgs).
- 5. Provided direction and oversight during the drilling of soil borings and the construction of temporary monitoring wells. A hollow stem auger drilling rig was used to advance the borings to depths ranging between 9.5 to 12 feet bgs. Eight (8) borings were completed as temporary groundwater monitoring wells (TMW-1 through TMW-8). The soil boring and temporary monitoring well locations are shown in Figures 3 and 4.
- 6. Oversaw decontamination of all down-hole drilling equipment and sampling tools with potential for contacting soil or groundwater samples.
- 7. Collected soil samples from each soil boring location using a hand auger or split-spoon sampler. Soil samples were classified according to the unified soils classification system, and field screened, using a photoionization detector (PID), for the presence of volatile petroleum hydrocarbons. Select soil samples collected from the borings were analyzed for:
  - Benzene, ethylbenzene, toluene, and total xylenes (BETX) by either U.S. Environmental Protection Agency (EPA) Method 8021B or 8260B;
  - Gasoline-range hydrocarbons (TPH-G) by Northwest Method NWTPH-Gx;
  - Diesel-range hydrocarbons (TPH-D) and heavy-oil range hydrocarbons (TPH-O) by Northwest Method NWTPH-Dx, with acid/silica gel cleanup (to remove natural plant organics);
  - Volatile organic compounds (VOCs) by USEPA Method 8260B;
  - Polynuclear aromatic hydrocarbons (PAHs) by USEPA Method 8270 SIM; and
  - Total lead by USEPA 6000/7000 Series Methods.
- 8. Collected groundwater samples from eight temporary monitoring wells. Samples were analyzed for:
  - TPH-G by Northwest Method NWTPH-Gx;
  - TPH-D and TPH-O by Northwest Method NWTPH-Dx, with acid/silica gel cleanup;
  - VOCs by USEPA Method 8260B;
  - PAHs by USEPA Method 8270C GC/MS SIM HV (with the exception of Boring SB-3); and
  - Dissolved lead by USEPA 6000/7000 Series Methods. Samples for dissolved lead analysis were filtered in the field.
- 9. Submitted all soil and groundwater samples to a Washington State certified laboratory for analysis, while observing appropriate sample preservation and chain-of-custody procedures.

- 10. Evaluated field and laboratory analytical data.
- 11. Prepared this report of findings.

# 4.0 SUBSURFACE EXPLORATIONS

#### 4.1 Sampling Strategy

The soil borings and temporary groundwater monitoring wells were located to investigate specific areas of concern according to the following rationale:

Boring ID/Temporary Well ID	Area of Concern and Rationale for Selection of Location
SB-1 and SB-2	<u>ASTs</u> . Assess potential releases from the former ASTs (at least three were present) and related appurtenances.
SB-3/TMW-1	Assess the area between the warehouse/AST area and the north Property line.
SB-4/TMW-2	Pump house. Assess potential releases from pumps, valves, and conveyance lines related to fuel transfer activities.
SB-5, SB-6/TMW-3, SB-7, SB-8, SB-9, SB-10/TMW-8	Warehouse Building/Docks/Fuel Loading Rack. Assess potential releases from drum filling and/or drum handling, storage, and loading/unloading activities common to bulk plant facilities, and potential spills/releases associated with the former loading rack.
SB-11/TMW-4, SB-12/TMW-5, SB-13/TMW-6, SB-14/TMW-7	<u>Garage, and North and West Property Lines</u> . Assess potential releases from the former garage and potential migration of petroleum hydrocarbons in groundwater from the fuel storage/handing areas toward Little Hangman Creek.

#### 4.2 Site Geology and Hydrogeology

The Property is located in a shallow valley formed by Little Hangman Creek. The elevation at the Property is approximately 2,490 feet above mean sea level (msl). The major local topographic features are composed of (1) rolling hills to the east and south, rising to approximately 2,600 feet above msl; (2) Tekoa Mountain to the northwest, which rises to an elevation of approximately 4,000 feet above msl; and (3) the shallow valley formed by the main branch of Hangman Creek to the southwest.

Based on elevation profiles and topographic maps, surface runoff from the main portion of the Property and from the access road flows toward Little Hangman Creek. Little Hangman Creek flows southwesterly and joins the main branch of Hangman Creek, which flows northwesterly, approximately 1/2 mile from the Property.

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (Flood Map Panel 5302050085B), the Property is located within the 100-year flood plain. The area around Tekoa received an average of 19.27 inches of annual precipitation from 1971 through 2000, according to Western Regional Climate Center data.

Based upon inference from surface topography, shallow groundwater in the vicinity of the Property should flow in a westerly to northwesterly direction toward Little Hangman Creek. Groundwater was encountered on the Property during drilling activities in October 2007 at depths ranging from approximately 6 to 11 feet bgs. No springs or wells are known to be present on the Property.

The Property is located in the Columbia River Plateau physiographic province, a large flood basalt plateau between the Cascade and Rocky Mountains drained by the Columbia River. Geological information provided in the Environmental Data Resources database report for the Property (included in ENSR's 2007 Review for Sources and Receptors) indicates that the Property is located in an area where the rock stratigraphic unit is identified as Cenozoic era, Tertiary system, and Miocene volcanic rocks series. The predominant soil types in the area of the Property are:

**ENSR** 

- Thatuna, a moderately well-drained silt loam with slow infiltration rates; typical depth to water table is 3 to 6 feet;
- Caldwell, a somewhat poorly-drained silt loam with slow infiltration rates; typical depth to water table is 3 to 6 feet; and
- Palouse, well-drained silt loam with moderate infiltration rates; typical depth to water table is greater than 6 feet.

These silt loam soils are underlain by basalt bedrock.

Soil types encountered in borings SB-1 through SB-14 consisted of light brown to brown silty sands with gravel near the surface, underlain by dark brown to gravish brown sands with varying amounts of silt, clay, and gravel to the total depth explored. Basalt bedrock was encountered at depths ranging from approximately 9.5 to 12 feet bgs. Weathered and degraded basalt likely contributes directly to soils overlying the basalt. Soil boring logs from the October 2007 investigation are presented in Appendix A.

## 4.3 Soil Sampling

Fourteen (14) borings were completed on the Property on October 15 through October 17, 2007, at the locations shown on Figure 3. Prior to drilling, a utility location survey was completed by ULS/Geomarkout (ULS) to clear the proposed drilling locations. The ULS locate consisted of closely-spaced traverses using ground-penetrating radar and magnetics to identify the presence of underground utilities or other substructures. In addition, each boring was cleared by Cascade Drilling (Cascade), a Washington-licensed drilling contractor from Woodinville, Washington, to 8 feet bgs using air-knife and soil vacuum extraction technologies to ensure utility line clearance. Refusal was encountered in several of the air knife holes, particularly in the vicinity of the former AST area, as a result of subsurface obstructions (i.e., concrete was encountered in the holes at depths ranging from approximately 2 to 6 feet bgs). To reach the target depth of 8 feet bgs, the hole locations were moved and re-cleared numerous times.

Drilling was performed by Cascade using a hollow-stem auger drilling rig. The borings were advanced until the drilling rig met refusal, due to the underlying bedrock, at depths ranging from 9.5 to 12 feet bgs. Grab soil samples for laboratory analysis were collected in the first eight feet bgs (during air knifing operations), above the soil/water interface, with a hand auger. In addition, each boring was continuously sampled below eight feet bgs using an 18-inch split spoon sampler to the total depth explored. ENSR's field geologist, under the responsible charge of a Washington-licensed geologist, logged the samples to further characterize the subsurface.

A portion of each soil sample was transferred into a plastic bag for field-screening for the presence of volatile compounds using a calibrated PID. Sample headspace readings ranged from non-detect to 3,353 parts per million (ppm) (boring SB-9 at 6 feet bgs). Soil impacts generally were observed in the depth interval from approximately 5 to 8 feet bgs, the zone of seasonal groundwater fluctuation. As mentioned above, ENSR prepared logs for each boring (Appendix A). The logs include such information as soil classification according to the unified soil classification system, soil color, grain size, sorting, moisture content, texture, blow-counts, staining, percent recovery, odor, PID headspace measurements obtained during soil screening, and related observations.

Based on field indications of petroleum hydrocarbon impact (e.g., staining, odors, or PID readings), selected soil samples were placed in laboratory-supplied containers, appropriate for the required laboratory analyses. The containers were stored in iced coolers and transported by overnight express shipment to Lancaster Laboratories (Lancaster) located in Lancaster, Pennsylvania, using standard chain-of-custody procedures. Each sample was analyzed for BETX and TPH-G. Certain samples, based on field screening, were selected for additional analyses for TPH-D, TPH-O, total lead, VOCs, and PAHs.

All down-hole drilling equipment and sampling tools were decontaminated between sample collection points by pressure washing or washing with AlconoxTM detergent, and rinsing with either deionized water or distilled water. All disposable equipment was discarded following each use. All borings were backfilled with hydrated bentonite at the conclusion of the investigation.

## 4.4 Groundwater Sampling

Temporary groundwater monitoring wells were installed in borings SB-3, SB-4, SB-6, SB-10, SB-11, SB-12, SB-13, and SB-14. Temporary wells were completed by drilling to the desired depth and then placing blank and slotted polyvinyl chloride casing into the borehole. At each well, the screen casing was 5 feet long and 1.25-inches in diameter, with 0.010-inch slots. The temporary wells in borings SB-3 and SB-10 were screened from 5 to 10 feet bgs. The temporary wells in borings SB-4 and SB-14 were screened from 7 to 12 feet bgs. The temporary wells in borings SB-6 and SB-12 were screened from 6 to 11 feet bgs. The temporary wells in borings SB-11 and SB-13 were screened from 4.5 to 9.5 feet bgs. As discussed earlier, groundwater was encountered on the Property during drilling activities in October 2007 at depths ranging from approximately 6 to 11 feet bgs.

Purging (well development) was conducted with a peristaltic pump until the water became translucent to transparent. Following purging, the peristaltic pump also was used to collect groundwater samples. Samples collected for analysis of dissolved lead were filtered in the field using a 0.45-micron filter. Following collection, each groundwater sample was placed on ice in laboratory-supplied containers appropriate for the required analyses. All groundwater samples were submitted to Lancaster using standard chain-of custody procedures.

All reusable sampling equipment was decontaminated before and after each use using AlconoxTM detergent and rinsed with distilled or deionized water. The peristaltic pump discharge hoses were changed after each temporary well was sampled.

#### 4.5 Investigation Derived Wastes

All soil cuttings, decontamination water, and development groundwater generated during the drilling activities were containerized in 16 properly-labeled, DOT-approved 55-gallon steel drums (10 soil and 6 water). The drums are temporarily secured onsite (a chain link fence is located along the entire perimeter of the Property with a locked gate at the entrance), just west of boring SB-8, and will be removed for disposal following subsequent future investigative work conducted at the Property.

## 5.0 ANALYTICAL RESULTS

The soil and groundwater sample analytical results were compared to State of Washington Model Toxics Control Act (MTCA) Method A suggested cleanup levels, MTCA Method B formula values, and/or State of Washington Groundwater Protection Standards (WDOE, 2001a, 2001b, 1990).

### 5.1 Soil Analytical Results

A total of 14 soil samples were analyzed by Lancaster. The results are presented in Tables 1, 2, and 3, and Figure 3, and are summarized as follows:

- Two or more BETX compounds were detected<sup>1</sup> above the laboratory reporting limits in 10 samples. In addition, the laboratory reporting limits for nine (9) samples exceeded the MTCA Method A suggested cleanup level for benzene; therefore, it is not known whether or not benzene was present in concentrations exceeding the MTCA A cleanup level in those samples. The detected benzene concentrations ranged from 0.0006 mg/kg at boring SB-12 (6- to 6.4-foot depth) to 0.038 mg/kg at boring SB-9 (6- to 6.5-foot depth), above the MTCA Method A cleanup level of 0.03 mg/kg, but below the MTCA Method B formula value of 18.2 mg/kg. The detected total xylenes concentrations ranged from 0.006 mg/kg at boring SB-12 (6- to 6.4-foot depth) to 31 mg/kg at boring SB-9 (6- to 6.5-foot depth), above the MTCA Method A suggested cleanup level of 9 mg/kg, but below the MTCA Method B formula value of 16,000 mg/kg.
- TPH-G was detected above the laboratory reporting limits in eight (8) samples. The detected concentrations ranged from 7.3 mg/kg at boring SB-6 (6- to 6.5-foot depth) to 1,400 mg/kg at boring SB-9 (3- to 4-foot interval). Seven of the detected TPH-G concentrations were above the MTCA Method A suggested cleanup level of 30 mg/kg.
- TPH-D was detected above the laboratory reporting limits in six (6) samples. The detected concentrations ranged from 3.2 mg/kg at boring SB-9 (3- to 4-foot depth) to 230 mg/kg at boring SB-4 (6- to 7-foot depth). None of the sample concentrations exceeded the MTCA A suggested cleanup level of 2,000 mg/kg.
- TPH-O was not detected above the laboratory reporting limits in any of the samples analyzed.
- Five (5) soil samples were analyzed for the presence of total lead. Total lead was detected above the laboratory reporting limits in each sample. The detected concentrations ranged from 7.58 to 17.5 mg/kg, below the MTCA Method A suggested cleanup level and near or below the published background concentration for the State of Washington (Washington Department of Ecology 1994) of 17 mg/kg.
- Seven (7) soil samples were analyzed for the presence of VOCs. With the exception of naphthalene in the sample collected from boring SB-9 at the 6- to 6.5-foot depth, only low concentrations of VOCs were detected above the laboratory reporting limits in the soil samples: acetone, ethanol, n-butylbenzene, sec-butylbenzene, 1,2-dibromoethane (EDB), 1,2-dichloroethane (EDC), methyl tert-butyl ether (MTBE), isopropylbenzene, p-isopropyltoluene, naphthalene, n-propylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene. The naphthalene result noted above exceeded the MTCA Method A suggested cleanup level of 5 mg/kg, but was below the MTCA Method B formula value of 1,600 mg/kg. None of the other VOCs sample concentrations exceeded the MTCA cleanup levels and/or formula values. Acetone may be a laboratory cross contaminant.
- Five (5) of the soil samples were analyzed for the presence of PAHs. Only low levels of sixteen (16) PAHs were detected above the laboratory reporting limits in the samples: acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorine, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, naphthalene, phenanthrene, and pyrene. None of the sample concentrations exceeded the MTCA suggested cleanup levels and/or formula values.

<sup>&</sup>lt;sup>1</sup> Detected means that the analyte concentration exceeded the laboratory reporting limit.

Naphthalene is included in both Tables 2 (VOCs) and 3 (PAHs). The complete analytical laboratory report is provided in Appendix C.

#### 5.2 Groundwater Analytical Results

A total of eight (8) groundwater samples were analyzed by Lancaster. The results are presented in Tables 4, 5, and 6, and Figure 4, and are summarized as follows:

- One or more BTEX compounds were detected above the laboratory reporting limits in six samples. Benzene was only detected in two samples, in borings SB-4 and SB-10, at concentrations of 8 and 23 micrograms per liter (μg/L), respectively, above the MTCA Method A suggested cleanup level of 5 μg/L, above the MTCA Method B formula value of 0.795 μg/L, and above the State of Washington Groundwater Protection Standard of 1.0 μg/L (WAC 173-200). None of the other BETX sample concentrations exceeded the MTCA suggested cleanup levels and formula values.
- TPH-G was detected above the laboratory reporting limits in six (6) samples. The detected concentrations ranged from 100 μg/L (boring SB-13) to 2,700 μg/L (boring SB-4). Four of the sample concentrations exceeded the MTCA Method A suggested cleanup level of 800 μg/L.
- TPH-D was detected above the laboratory reporting limits in six (6) samples. In addition, the laboratory reporting limit for the sample collected from boring SB-3 was above the MTCA Method A suggested cleanup level for TPH-D; therefore, it is not known with certainty if TPH-D was present in a concentration exceeding the MTCA Method A suggested cleanup level, but less than the reporting limit of 1,400 µg/L. The detected concentrations ranged from 100 µg/L (boring SB-12) to 2,400 µg/L (boring SB-10). Four of the sample concentrations exceeded the MTCA Method A suggested cleanup level of 500 µg/L.
- TPH-O was only detected above the laboratory reporting limits in one sample; this sample from boring SB-10 was detected at 260 µg/L, below the MTCA Method A suggested cleanup level of 500 µg/L. However, the laboratory reporting limits for samples from borings SB-3 and SB-6, at 2,800 and 4,700 µg/L, respectively, were above the MTCA A Method cleanup level for TPH-O; therefore, it is not known whether or not TPH-O concentrations exceeded the MTCA A Method Cleanup Level in these borings.
- Dissolved lead was detected above the laboratory reporting limits in six (6) samples. The detected concentrations ranged from 0.055 μg/L (boring SB-14) to 2.0 μg/L (boring SB-4). All dissolved lead concentrations were substantially less than the MTCA Method A suggested cleanup level of 15 μg/L.
- With the exception of EDC in boring SB-10, only low VOC concentrations were detected above the laboratory reporting limits in five (5) samples: acetone, ethanol, 2-butanone, t-butyl alcohol, n-butyllbenzene, sec-butylbenzene, EDB, EDC, methyl tert butyl ether (MTBE), isopropylbenzene, p-isopropyltoluene, naphthalene, n-propylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. EDC was detected in boring SB-10 at 13 µg/L, exceeding the MTCA Method A suggested cleanup level of 5 µg/L, exceeding the MTCA Method B formula value of 0.481 µg/L, and exceeding the State of Washington Groundwater Protection Standard of 0.5 µg/L (WAC 173-200). EDC was not detected in the other borings.
- Seven (7) of the groundwater samples were analyzed for the presence of PAHs. Only low concentrations of 16 PAHs were detected above the laboratory reporting limits in the samples: acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorine, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and pyrene. None of the PAH concentrations exceeded the MTCA suggested cleanup levels, and/or formula values, and Washington State Standards.

Naphthalene is included in both Table 5 (VOCs) and Table 6 (PAHs). The complete analytical laboratory report is provided in Appendix C.

#### 5.3 Quality Control Evaluation

Laboratory quality control (QC) measures included surrogates, blanks, duplicates, laboratory control spikes, laboratory control spike duplicates, matrix spikes, and matrix spike duplicates. Following a review of the data provided by the laboratory, ENSR observed the following QC considerations:

- The TPH-G analysis for soil samples collected from borings SB-1, SB-3, SB-6, SB-8, and SB-10 through SB-14, and the BETX analysis for the soil sample collected from boring SB-8 were analyzed two days outside the method hold time. This resulted from a notation error on the chain-of-custody forms and was noted in the laboratory report and the attached tables.
- Estimated values were reported for several TPH-G, TPH-D, and TPH-O analyses, and several VOC and PAH analytes, in both the soil and groundwater samples, and dissolved lead in the groundwater samples. These analyte values were flagged with a "J' in the laboratory report and the attached tables.

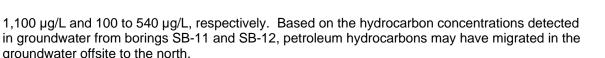
Not withstanding the information above, ENSR believes that the reported quality exceptions minimally affect overall analytical quality. Therefore, the analytical results are considered to be of known and acceptable quality.

## 6.0 CONCLUSIONS AND RECOMMENDATIONS

Results of ENSR's soil and groundwater investigation show that continuous petroleum hydrocarbon impacts to soil are generally present near the soil/groundwater interface (capillary fringe) between 5 to 8 feet bgs throughout the site. Similarly, groundwater impacts were observed in all of the borings sampled. Based on data collected during the investigation (field observations, historic information, and soil and groundwater sampling results), the impacts presumably are attributable to former bulk plant operations. To comply with the State of Washington MTCA regulations, the presence of petroleum hydrocarbons in soil and groundwater at the Property was reported to the Washington State Department of Ecology per requirements in WAC 173-340-300.

Figures 3 and 4 show BETX, TPH-G, TPH-D, TPH-O concentrations in soil and groundwater, respectively. In addition, concentrations of total lead in soil and dissolved lead in groundwater are also shown on Figures 3 and 4, respectively. The following conclusions, regarding contaminant distribution at the Property, may be drawn, within limitations of the scope of services, from these data:

- Petroleum impacts in soil (above the water table) generally are present in the immediate vicinity of the former bulk plant facilities where products were stored or handled (i.e., warehouse building and associated docks, loading rack, pump house, and ASTs). Concentrations of BETX, TPH-G, and TPH-D in soil were highest, and were detected most frequently, in the vicinity of borings SB-2, SB-4, SB-5, SB-7, SB-9, and SB-10. Furthermore, based on PID readings and analytical results from soil samples from boring SB-9, petroleum impacts in soil were observed near the ground surface in the area of the former warehouse adjacent to the former loading rack. Concentrations generally decrease with distance away from the facilities.
- Benzene in soil and groundwater either was not detected or was detected at low concentrations, except in the immediate vicinity of the former pump house and warehouse.
- BETX, TPH-G, TPH-D, and TPH-O either were not detected or were detected in low concentrations in soil in the vicinity of the former garage and along the north and west Property lines. However, concentrations of TPH-G and TPH-D in groundwater were detected down-gradient of the former bulk plant facilities in borings SB-11, SB-12, and SB-13, at concentrations ranging from 100 to



**ENSR** 

- TPH-D and TPH-G have similar distributions, with the highest concentrations encountered in the vicinity of the former bulk plant facilities.
- TPH-O was not detected in groundwater, except in the immediate vicinity of the former warehouse (boring SB-10) where it was detected at 260 µg/L, less than the MTCA Method A suggested cleanup level of 500 µg/L.
- Total lead concentrations detected in soil and dissolved lead concentrations in groundwater at all of the sample locations were similar with the exception of the higher detected total lead concentration in soil in the sample collected from boring SB-13 at 6 to 6.5 feet bgs. The sample from boring SB-13 was detected at 17.5 mg/kg, slightly above the published background concentration for the State of Washington (Washington Department of Ecology 1994) of 17 mg/kg; the higher concentration is probably attributable to lead paint from the former ASTs.

Based on the findings presented in this report, ENSR recommends additional site characterization activities to further identify the extent or distribution of petroleum hydrocarbons in soil and groundwater and to determine aquifer characteristics to support a risk-based evaluation of impacts.

The additional investigative work would include installation of permanent shallow groundwater monitoring wells and collection of subsurface soil samples to address any data gaps. An appropriate drilling technique (such as sonic drilling) should be used to assess the former AST area, where subsurface concrete obstructions defeated previous attempts to complete pre-drilling utility clearance by air knifing. ENSR suggests that a variance to the standard CEMC borehole clearance policy be obtained to allow proper assessment of subsurface conditions beneath the former AST area.

A conceptual site model should be prepared to: (1) determine current and potential future land and groundwater uses, (2) identify exposure pathways and receptor scenarios applicable to the Property area, (3) assess strategies to prevent or minimize potential receptor exposure, and (4) address MTCA cleanup requirements.

Any cleanup/closure strategies that result from site characterization should take into account potential Chevron divestment or other property management considerations

## 7.0 LIMITATIONS

The interpretations in this report represent our professional opinions and are based, in part, on information supplied by others. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

## 8.0 REFERENCES

- ENSR Corporation (ENSR), 2007a. Soil and Groundwater Investigation Work Plan, Chevron Site No. 1001152, State Route 274, Tekoa, Washington, October 2007.
- ENSR, 2007b. Abandonment Process Review for Sources and Receptors, Former Chevron Bulk Plant No. 1001152, Tekoa, Washington, September 2007.



- Washington State Department of Ecology (WDOE), 2001a. Cleanup Levels and Risk Calculations under the Model Toxics Control Act Cleanup Regulation. Publication No. 94-145, November 2001.
- WDOE, 2001b. Model Toxics Control Act Cleanup Regulation, Chapter 173-340 WAC, February 12, 2001.
- WDOE 1994. Natural Background Soil Metals Concentrations in Washington State, Publication No. 94-115, October 1994.
- WDOE, 1990. Water Quality Standards for Ground Waters of the State of Washington, Chapter 173-200 WAC, October 1990.



Tables

#### TABLE 1 SUMMARY OF SOIL ANALYTICAL DATA BETX, PETROLEUM HYDROCARBONS, AND LEAD

Chevron Site No. 1001152 State Route 274, Tekoa, Washington

		Depth		BETX <sup>1</sup>	(mg/kg)		Gasoline-range	Diesel-range	Heavy Oil-range	
Sample Location ID	Date Sampled	Sampled (feet)	Benzene	Ethyl benzene	Toluene	Total Xylenes	Hydrocarbons <sup>2</sup> (mg/kg)	hydrocarbons <sup>3</sup> (mg/kg)	Hydrocarbons <sup>3</sup> (mg/kg)	Total Lead <sup>₄</sup> (μg/L)
MTCA Metho	d A Cleanup	Level <sup>5</sup>	0.03	6	7	9	30	2,000	2,000	250
MTCA Metho	d B Formula	Value 6	18.2	8,000	6,400	16,000	NL	NL	NL	NL
SB-1	10/15/2007	6 to 7	ND(<0.22)	ND(<0.22)	ND(<0.22)	ND(<0.44)	ND(<5.0) <sup>7</sup>	ND(<7.0)	ND(<30)	
SB-2	10/15/2007	7.5 to 8	ND(<0.22)	0.62	ND(<0.22)	2.82	860	94	ND(<30)	7.58
SB-3	10/16/2007	5.1 to 6.4	0.0008 <sup>J</sup>	0.006	0.011	0.006	ND(<5.0) <sup>7</sup>	ND(<7.0)	ND(<30)	
SB-4	10/15/2007	6 to 7	ND(<0.19)	0.26	ND(<0.19)	2.59	810	230	ND(<360)	9.89
SB-5	10/17/2007	6 to 6.5	ND(<0.26)	0.086 <sup>J</sup>	ND(<0.26)	0.517 <sup>J</sup>	210	43	ND(<30)	
SB-6	10/16/2007	6 to 6.5	ND(<0.25)	ND(<0.25)	ND(<0.25)	ND(<0.25)	7.3 <sup>7</sup>	ND(<7.0)	ND(<30)	
SB-7	10/17/2007	6 to 6.5	ND(<0.22)	0.66	ND(<0.22)	7.6	770	180	ND(<30)	9.17
SB-8	10/16/2007	6 to 7	ND(<0.02)7	ND(<0.02)7	ND(<0.02)7	ND(<0.05)7	ND(<5.0) <sup>7</sup>	ND(<7.0)	ND(<30)	
SB-9	10/17/2007	3 to 4	ND(<0.21)	0.21 <sup>J</sup>	ND(<0.21)	2.62	1,400	3.2 <sup>J</sup>	ND(<30)	
SB-9	10/17/2007	6 to 6.5	0.038 <sup>J</sup>	1.7	ND(<0.25)	31	1,200			8.37
SB-10	10/16/2007	6 to 6.5	ND(<0.13)	0.13	ND(<0.13)	0.225 <sup>J</sup>	1,100 <sup>7</sup>	93	ND(<360)	
SB-11	10/16/2007	5.8 to 6.2	ND(<0.25)	ND(<0.25)	ND(<0.25)	ND(<0.25)	ND(<5.0) <sup>7</sup>	ND(<7.0)	ND(<30)	
SB-12	10/16/2007	6 to 6.4	0.0006 <sup>J</sup>	0.006	0.012	0.006	ND(<5.0) <sup>7</sup>	ND(<7.0)	ND(<30)	
SB-13	10/16/2007	6 to 6.5	ND(<0.004)	ND(<0.004)	ND(<0.004)	ND(<0.008)	ND(<5.0) <sup>7</sup>	ND(<7.0)	ND(<30)	17.5
SB-14	10/16/2007	6 to 6.5	0.0007 <sup>J</sup>	0.006	0.017	0.007	ND(<5.0) <sup>7</sup>	ND(<7.0)	ND(<30)	

Notes:

<sup>1</sup> B = Benzene, E = Ethylbenzene, T = Toluene, X = Total Xylenes. With the exception of the soil sample collected from Boring SB-8, analyzed by USEPA Method 8260B. The soil sample collected from Boring SB-8 was analyzed for BTEX by USEPA Method 8021B.

<sup>2</sup> Gasoline-range hydrocarbons (TPH-G) analyzed by Northwest Method NWTPH-Gx.

<sup>3</sup> Diesel-range and heavy oil-range hydrocarbons analyzed by Northwest Method NWTPH-Dx with acid/silica gel cleanup.

<sup>4</sup> Total lead analyzed by USEPA 6000/7000 Series Methods.

<sup>5</sup> State of Washington Model Toxics Control Act (MTCA) (Washington Administrative Code [WAC] 173-340) Method A soil cleanup level for unrestricted land uses.

<sup>6</sup> State of Washington MTCA WAC 173-340 (Ingestion Only) Method B soil formula value for unrestricted land use.

<sup>7</sup> The analysis was requested with insufficient time remaining in the hold time. The sample was analyzed two days outside the method hold time.

<sup>J</sup> Reported concentration exceeded the laboratory method detection limit, but was less than the limit of quantitation, and is considered an estimated value.

mg/kg = milligrams per kilogram.

"--" = Not tested/Not analyzed.

ND = Analyte was NOT DETECTED above the reporting limit shown (laboratory limit is in parenthases).

NL = No Limit available.

Bolded and shaded values indicate a concentration exceeded the MTCA Method A suggested cleanup level.

#### TABLE 2 SUMMARY OF SOIL ANALYTICAL DATA VOLATILE ORGANIC COMPOUNDS

Chevron Site No. 1001152 State Route 274, Tekoa, Washington

							Ve	olatile Orga	nic Compo	unds <sup>1</sup> (mg/l	kg)				
Sample Location ID	Date Sampled	Sample Depth (feet)	Acetone	Ethanol <sup>2</sup>	n-Butylbenzene	sec-Butylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane (EDC)	Methyl tert-butyl ether	Isopropylbenzene	p-lsopropyltoluene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
MTCA Method			NL	NL	NL	NL	0.005	NL	0.1	NL	NL	5	NL	NL	NL
MTCA Method	d B Formula V	alue <sup>4</sup>	8,000	NL	NL	NL	0.0118	11.0	NL	8,000	NL	1,600	NL	4,000	NL
SB-1	10/15/2007	6 to 7					-								
SB-2	10/15/2007	7.5 to 8	ND(<0.88)	5.9 <sup>J</sup>	0.86	0.60	ND(<0.22)	ND(<0.22)	ND(<0.22)	0.63	0.89	0.52	1.2	5.6	2.5
SB-3	10/16/2007	5.1 to 6.4													
SB-4	10/15/2007	6 to 7	ND(<0.77)	5.0 <sup>J</sup>	ND(<0.19)	0.079 <sup>J</sup>	ND(<0.19)	ND(<0.19)	ND(<0.19)	0.051 <sup>J</sup>	0.13 <sup>J</sup>	0.24	0.24	2.4	1.0
SB-5	10/17/2007	6 to 6.5	ND(<1.1)	6.4 <sup>J</sup>	0.33	0.26 <sup>J</sup>	ND(<0.26)	ND(<0.26)	ND(<0.26)	0.21 <sup>J</sup>	0.36	1.3	0.44	2.4	0.94
SB-6	10/16/2007	6 to 6.5													
SB-7	10/17/2007	6 to 6.5	ND(<0.88)	5.8 <sup>J</sup>	1.7	1.2	ND(<0.22)	ND(<0.22)	ND(<0.22)	1.5	1.8	1.8	2.1	11	4.3
SB-8	10/17/2007	6 to 7													
SB-9	10/17/2007	3 to 4	ND(<0.85)	5.6 <sup>J</sup>	1.5	1.7	ND(<0.21)	ND(<0.21)	ND(<0.21)	1.4	2.2	2.5	1.9	8.3	3.5
SB-9	10/17/2007	6 to 6.5	ND(<0.98)	6.7 <sup>J</sup>	3.2	2.9	ND(<0.25)	ND(<0.25)	ND(<0.25)	4.1	3.5	5.6	5.2	26	8.0
SB-10	10/17/2007	6 to 6.5	-												
SB-11	10/16/2007	5.8 to 6.2													
SB-12	10/16/2007	6 to 6.4													
SB-13	10/16/2007	6 to 6.5	0.053	ND(<0.42)	ND(<0.004)	ND(<0.004)	ND(<0.004)	ND(<0.004)	ND(<0.004)	ND(<0.004)	ND(<0.004)	ND(<0.004)	ND(<0.004)	ND(<0.004)	ND(<0.004)
SB-14	10/16/2007	6 to 6.5													

Notes:

<sup>1</sup> Volatile Organic Compounds analyzed by USEPA Method 8260B. Only VOCs which were detected are listed in this table. For a full list of VOCs see the attached analytical report.

<sup>2</sup> Ethanol was detected at varying concentrations for each sample in the method blank and was not subtracted from the analytical result

<sup>3</sup> State of Washington Model Toxics Control Act (MTCA) (Washington Administrative Code [WAC] 173-340) Method A soil cleanup level for unrestricted land uses.

<sup>4</sup> State of Washington MTCA WAC 173-340 (Ingestion Only) Method B soil formula value for unrestricted land use.

<sup>J</sup> Reported concentration exceeded the laboratory method detection limit, but was less than the limit of quantitation, and is considered an estimated value.

mg/kg = milligrams per kilogram.

"--" = Not tested/Not analyzed.

ND = Analyte was NOT DETECTED above the reporting limit shown (laboratory limit is in parenthases).

NL = No Limit available.

Bolded and shaded values indicate a concentration exceeded the MTCA Method A suggested cleanup level.

#### TABLE 3 SUMMARY OF SOIL ANALYTICAL DATA POLYNUCLEAR AROMATIC HYDROCARBONS Chevron Site No. 1001152

State Route 274, Tekoa, Washington

									Polynucle	ar Aromatic	Hydrocarbo	ns <sup>1</sup> (mg/kg)						
Sample Location ID	Date Sampled	Sample Depth (feet)	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
MTCA Method	A Cleanup Le	eveř	NL	NL	NL	NL	0.1	NL	NL	NL	NL	NL	NL	NL	NL	5	NL	NL
MTCA Method			4,800	NL	24,000	0.137	0.137	0.137	0.137	0.137	0.137	3,200	3,200	0.137	NL	1,600	NL	2,400
SB-1	10/15/2007	6 to 7																
SB-2	10/15/2007	7.5 to 8	0.015	ND(<0.0090)	0.0016 <sup>J</sup>	ND(<0.0017)	ND(<0.0017)	ND(<0.0017)	ND(<0.0017)	0.00051 <sup>J</sup>	ND(<0.0017)	0.00079 <sup>J</sup>	0.052	ND(<0.0017)		0.23	0.033	0.00088 <sup>J</sup>
SB-3		5.1 to 6.4																
SB-4	10/15/2007	6 to 7	0.032	ND(<0.015)	0.015	0.0067	0.0073	0.012	0.0055	0.012	0.0014 <sup>J</sup>	0.023	0.10	0.0047		0.20	0.27	0.022
SB-5	10/17/2007	6 to 6.5																
SB-6	10/16/2007	6 to 6.5																
SB-7	10/17/2007	6 to 6.5	0.015	ND(<0.010)	0.0044	ND(<0.0017)	ND(<0.0017)	0.00099 <sup>J</sup>	ND(<0.0017)	0.0011 <sup>J</sup>	ND(<0.0017)	0.0017 <sup>J</sup>	0.048	ND(<0.0017)	1.6	0.79	0.036	0.0021
SB-8	10/17/2007	6 to 7																
SB-9	10/17/2007	3 to 4																
SB-9	10/17/2007	6 to 6.5	0.0021 <sup>J</sup>	ND(<0.0033)	0.00081 <sup>J</sup>	ND(<0.0033)	ND(<0.0033)	ND(<0.0033)	ND(<0.0033)	ND(<0.0033)	ND(<0.0033)	ND(<0.0033)	0.0062	ND(<0.0033)		0.33	0.0043	ND(<0.0033)
SB-10	10/17/2007	6 to 6.5																
SB-11	10/16/2007	5.8 to 6.2																
SB-12	10/16/2007	6 to 6.4																
SB-13	10/16/2007	6 to 6.5	ND(<0.0017)	0.0012 <sup>J</sup>	ND(<0.0017)	ND(<0.0017)	ND(<0.0017)	0.00073 <sup>J</sup>	0.0012 <sup>J</sup>	0.00080 <sup>J</sup>	ND(<0.0017)	0.00073 <sup>J</sup>	ND(<0.0017)	ND(<0.0017)		0.0011 <sup>J</sup>	0.0010 <sup>J</sup>	0.00085 <sup>J</sup>
SB-14	10/16/2007	6 to 6.5												1				

#### Notes:

<sup>1</sup> Polynuclear Aromatic Hydrocarbons analyzed by USEPA Method 8270 SIM. Only PAHs which were detected are listed in this table. For a full list of PAHs see the attached analytical report.

<sup>2</sup> State of Washington Model Toxics Control Act (MTCA) (Washington Administrative Code [WAC] 173-340) Method A soil cleanup level for unrestricted land uses.

<sup>3</sup> State of Washington MTCA WAC 173-340 (Ingestion Only) Method B soil formula value for unrestricted land use.

<sup>J</sup> Reported concentration exceeded the laboratory method detection limit, but was less than the limit of quantitation, and is considered an estimated value.

mg/kg = milligrams per kilogram.

"--" = Not tested/Not analyzed.

ND = Analyte was NOT DETECTED above the reporting limit shown (laboratory limit is in parenthases).

NL = No Limit available.

Bolded and shaded values indicate a concentration exceeded the MTCA Method A suggested cleanup level.

## TABLE 4 SUMMARY OF GROUNDWATER ANALYTICAL DATA BETX, PETROLEUM HYDROCARBONS, AND LEAD

#### Chevron Site No. 1001152 State Route 274, Tekoa, Washington

			BETX	<sup>1</sup> (µg/L)		Gasoline-range	Diesel-range	Heavy Oil-range	Dissolved
Boring Location ID (Temporary Well ID)	Date Sampled	В	Е	т	x	Hydrocarbons <sup>2</sup> (µg/L)	Hydrocarbons <sup>3</sup> (µg/L)	Hydrocarbons <sup>3</sup> (µg/L)	Lead⁴ (µg/L)
MTCA Method A Clear	nup Level⁵	5	700	1,000	1,000	800	500	500	15
MTCA Method B Form	ula Value <sup>6</sup>	0.795	800	640	16,000	NL	NL	NL	NL
Water Quality Sta	ndard <sup>7</sup>	1.0	NL	NL	NL	NL	NL	NL	0.05 <sup>10</sup>
SB-3 (TMW-1)	10/17/2007	ND(<4)	ND(<4)	ND(<4)	ND(<8)	ND(<250)	ND(<1,400) <sup>8</sup>	ND(<2,800) <sup>8</sup>	0.12 <sup>J</sup>
SB-4 (TMW-2)	10/17/2007	23	52	1 <sup>J</sup>	320	2,700	940	ND(<470)	2.0
SB-6 (TMW-3)	10/17/2007	ND(<4)	0.7 <sup>J</sup>	ND(<4)	2.9 <sup>J</sup>	890	1,600 <sup>J</sup>	ND(4,700) <sup>9</sup>	0.064 <sup>J</sup>
SB-10 (TMW-8)	10/17/2007	8	12	1 <sup>J</sup>	4.5 <sup>J</sup>	870	2,400	260 <sup>J</sup>	0.26 <sup>J</sup>
SB-11 (TMW-4)	10/17/2007	ND(<4)	ND(<4)	0.7 <sup>J</sup>	ND(<8)	1,100	540	ND(<470)	ND(<1.0)
SB-12 (TMW-5)	10/17/2007	ND(<4)	ND(<4)	ND(<4)	7 <sup>J</sup>	610	100 <sup>J</sup>	ND(<470)	ND(<1.0)
SB-13 (TMW-6)	10/17/2007	ND(<4)	ND(<4)	4	ND(<8)	100 <sup>J</sup>	140 <sup>J</sup>	ND(<470)	0.079 <sup>J</sup>
SB-14 (TMW-7)	10/17/2007	ND(<4)	ND(<4)	ND(<4)	ND(<8)	ND(<250)	ND(<230)	ND(<470)	0.055 <sup>J</sup>

#### Notes:

<sup>1</sup> B = Benzene, E = Ethylbenzene, T = Toluene, X = Total Xylenes. Analyzed by USEPA Method 8260B.

<sup>2</sup> Gasoline-range hydrocarbons (TPH-G) analyzed by Northwest Method NWTPH-Gx.

<sup>3</sup> Diesel-range and heavy oil-range hydrocarbons analyzed by Northwest Method NWTPH-Dx with acid/silica gel cleanup.

<sup>4</sup> Dissolved lead analyzed by USEPA 6000/7000 Series Methods.

<sup>5</sup> State of Washington Model Toxics Control Act (MTCA) (Washington Administrative Code [WAC] 173-340) Method A soil cleanup level for unrestricted land uses.

<sup>6</sup> State of Washington MTCA WAC 173-340 (Ingestion Only) Method B soil formula value for unrestricted land use.

<sup>7</sup> Water quality standard for ground waters of the State of Washington (WAC 173-200).

<sup>8</sup> Due to insufficient sample size, the laboratory was unable to report their usual reporting limits and so used the lowest reporting limits attainable.

<sup>9</sup> Due to the nature of the sample extract matrix, a dilution factor was used for the analysis and the reporting limits were raised accordingly.

<sup>10</sup> Metals are measured as total metals.

<sup>J</sup> Reported concentration exceeded the laboratory method detection limit, but was less than the limit of quantitation, and is considered an estimated value.

-- = Not tested/Not analyzed.

 $\mu g/I = micrograms per liter.$ 

ND = Analyte was NOT DETECTED above the reporting limit shown (laboratory limit is in parenthases).

NL = No Limit available.

Bolded and shaded values indicate a concentration exceeded the MTCA Method A suggested cleanup level.

#### TABLE 5 SUMMARY OF GROUNDWATER ANALYTICAL DATA VOLATILE ORGANIC COMPOUNDS

#### Chevron Site No. 1001152 State Route 274, Tekoa, Washington

							Vo	latile Orga	inic Comp	ounds <sup>1</sup> (µ	g/L)					
Boring Location ID (Temporary Well ID)	Date Sampled	Acetone	Ethanol	2-Butanone	t-Butyl alcohol	n-Buty Ibenzene	sec-Butylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane (EDC)	Methyl tert-butyl ether	Isopropylbenzene	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
MTCA Method A Clea	anup Level <sup>2</sup>	NL	NL	NL	NL	NL	NL	0.01	5	20	NL	NL	20	NL	NL	NL
MTCA Method B Clea	anup Level <sup>3</sup>	800	NL	4,800	NL	NL	NL	0.000515	0.481	NL	800	NL	160	NL	400	400
Water Quality Sta	andard⁴	NL	NL	NL	NL	NL	NL	0.001	0.5	NL	NL	NL	NL	NL	NL	NL
SB-3 (TMW-1)	10/17/2007	ND(<20)	ND(<250)	ND(<10)	ND(<80)	ND(<5)	ND(<5)	ND(<4)	ND(<4)	ND(<4)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)
SB-3 (TMW-2)	10/17/2007	21	ND(<250)	4 <sup>J</sup>	ND(<80)	5 <sup>J</sup>	7	ND(<4)	ND(<4)	ND(<4)	18	6	24	21	120	42
SB-6 (TMW-3)	10/17/2007	ND(<20)	ND(<250)	ND(<10)	ND(<80)	1 <sup>J</sup>	5 <sup>J</sup>	ND(<4)	ND(<4)	ND(<4)	7	5	3 <sup>J</sup>	9	49	15
SB-10 (TMW-8)	10/17/2007	16 <sup>J</sup>	ND(<250)	4 <sup>J</sup>	7 <sup>J</sup>	ND(<5)	3 <sup>J</sup>	ND(<4)	13	ND(<4)	7	3 <sup>J</sup>	ND(<5)	5	12	12
SB-11 (TMW-4)	10/17/2007	ND(<20)	ND(<250)	ND(<10)	ND(<80)	2 <sup>J</sup>	6	ND(<4)	ND(<4)	ND(<4)	3 <sup>J</sup>	4 <sup>J</sup>	ND(<5)	3 <sup>J</sup>	12	6
SB-12 (TMW-5)	10/17/2007	17 <sup>J</sup>	ND(<250)	4 <sup>J</sup>	ND(<80)	ND(<5)	5 <sup>J</sup>	ND(<4)	ND(<4)	ND(<4)	10	2 <sup>J</sup>	1 <sup>J</sup>	7	39	5 <sup>J</sup>
SB-13 (TMW-6)	10/17/2007	ND(<20)	ND(<250)	ND(<10)	ND(<80)	ND(<5)	ND(<5)	ND(<4)	ND(<4)	ND(<4)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)
SB-14 (TMW-7)	10/17/2007	ND(<20)	ND(<250)	ND(<10)	ND(<80)	ND(<5)	ND(<5)	ND(<4)	ND(<4)	ND(<4)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)	ND(<5)

Notes:

<sup>1</sup> Volatile Organic Compounds analyzed by USEPA Method 8260B. Only VOCs which were detected are listed in this table. For a full list of VOCs see the attached analytical report.

<sup>2</sup> State of Washington Model Toxics Control Act (MTCA) (Washington Administrative Code [WAC] 173-340) Method A soil cleanup level for unrestricted land uses.

<sup>3</sup> State of Washington MTCA WAC 173-340 (Ingestion Only) Method B soil formula value for unrestricted land use.

<sup>4</sup> Water quality standard for ground waters of the State of Washington (WAC 173-200).

<sup>J</sup> Reported concentration exceeded the laboratory method detection limit, but was less than the limit of quantitation, and is considered an estimated value.

-- = Not tested/Not analyzed.

µg/l = micrograms per liter.

ND = Analyte was NOT DETECTED above the reporting limit shown (laboratory limit is in parenthases).

NL = No Limit available.

Bolded and shaded values indicate a concentration exceeded the MTCA Method A suggested cleanup level. Chemical analyses were performed by Lancaster Laboratories, Lancaster, Pennsylvania.

#### TABLE 6 SUMMARY OF GROUNDWATER ANALYTICAL DATA POLYNUCLEAR AROMATIC HYDROCARBONS Chevron Site No. 1001152

State Route 274, Tekoa, Washington

	Polynuclear Aromatic Hydrocarbons <sup>1</sup> (μg/L)																
Boring Location ID (Temporary Well ID)	Date Sampled	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3 - cd) pyrene	Naphthalene	Phenanthrene	Pyrene
MTCA Method A Cle	eanup Level <sup>2</sup>	NL	NL	NL	NL	0.1	NL	NL	NL	NL	NL	NL	NL	NL	160	NL	NL
MTCA Method B Fo	rmula Value <sup>3</sup>	960	NL	4,800	0.012	0.012	0.012	NL	0.012	0.012	0.012	640	640	0.012	160	NL	480
Water Quality S	standard⁴	NL	NL	NL	NL	0.008	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
SB-3 (TMW-1)	10/17/2007																
SB-4 (TMW-2)	10/17/2007	0.15	ND(<0.060)	0.020 <sup>J</sup>	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	0.60	ND(<0.047)	0.54	0.14	0.011 <sup>J</sup>
SB-6 (TMW-3)	10/17/2007	0.010 <sup>J</sup>	ND(<0.047)	0.030 <sup>J</sup>	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	0.012 <sup>J</sup>	ND(<0.047)	1.9	ND(<0.047)	ND(<0.047)
SB-11 (TMW-4)	10/17/2007	0.11	ND(<0.047)	0.042 <sup>J</sup>	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	0.30	ND(<0.047)	0.69	0.032 <sup>J</sup>	ND(<0.047)
SB-12 (TMW-5)	10/17/2007	0.020 <sup>J</sup>	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	0.014 <sup>J</sup>	ND(<0.047)	1.9	ND(<0.047)	ND(<0.047)
SB-13 (TMW-6)	10/17/2007	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	0.010 <sup>J</sup>	ND(<0.047)	0.12	ND(<0.047)	ND(<0.047)
SB-14 (TMW-7)	10/17/2007	ND(<0.048)	ND(<0.048)	ND(<0.048)	0.011 <sup>J</sup>	ND(<0.048)	ND(<0.048)	ND(<0.048)	ND(<0.048)	ND(<0.048)	ND(<0.048)	0.014 <sup>J</sup>	ND(<0.048)	ND(<0.048)	0.012 <sup>J</sup>	0.016 <sup>J</sup>	0.021 <sup>J</sup>
SB-10 (TMW-8)	10/17/2007	0.038 <sup>J</sup>	ND(<0.047)	0.038 <sup>J</sup>	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	ND(<0.047)	0.11	ND(<0.047)	0.41	ND(<0.047)	0.011 <sup>J</sup>

Notes:

<sup>1</sup> Polynuclear Aromatic Hydrocarbons analyzed by USEPA Method 8270 SIM. Only PAHs which were detected are listed in this table. For a full list of PAHs see the attached analytical report.

<sup>2</sup> State of Washington Model Toxics Control Act (MTCA) (Washington Administrative Code [WAC] 173-340) Method A soil cleanup level for unrestricted land uses.

<sup>3</sup> State of Washington MTCA WAC 173-340 (Ingestion Only) Method B soil formula value for unrestricted land use.

<sup>4</sup> Water quality standard for ground waters of the State of Washington (WAC 173-200).

<sup>J</sup> Reported concentration exceeded the laboratory method detection limit, but was less than the limit of quantitation, and is considered an estimated value.

-- = Not tested/Not analyzed.

µg/l = micrograms per liter.

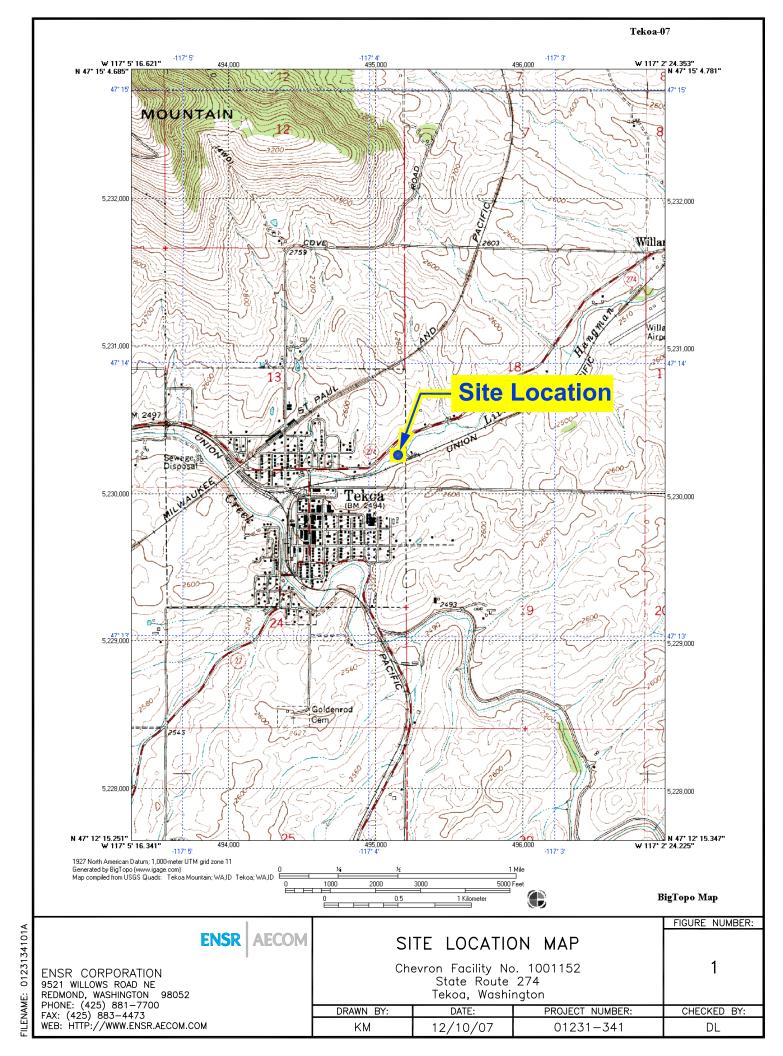
ND = Analyte was NOT DETECTED above the reporting limit shown (laboratory limit is in parenthases).

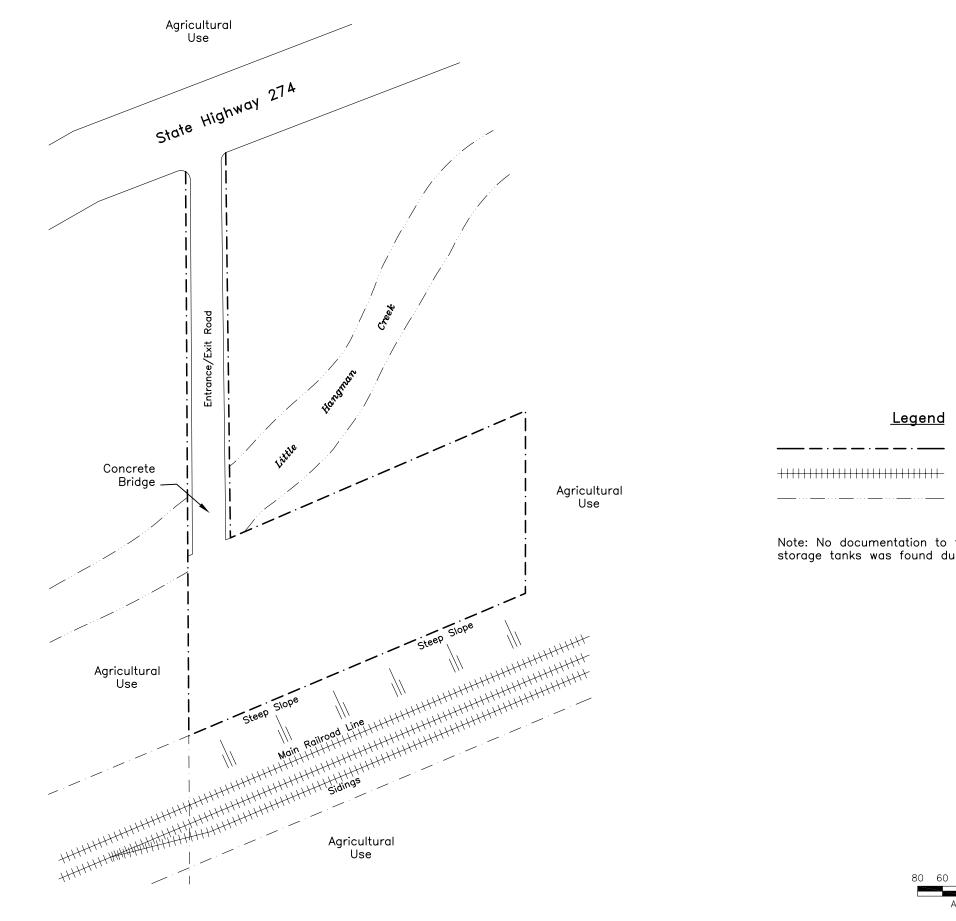
NL = No Limit available.

Bolded and shaded values indicate a concentration exceeded the MTCA Method A suggested cleanup level.

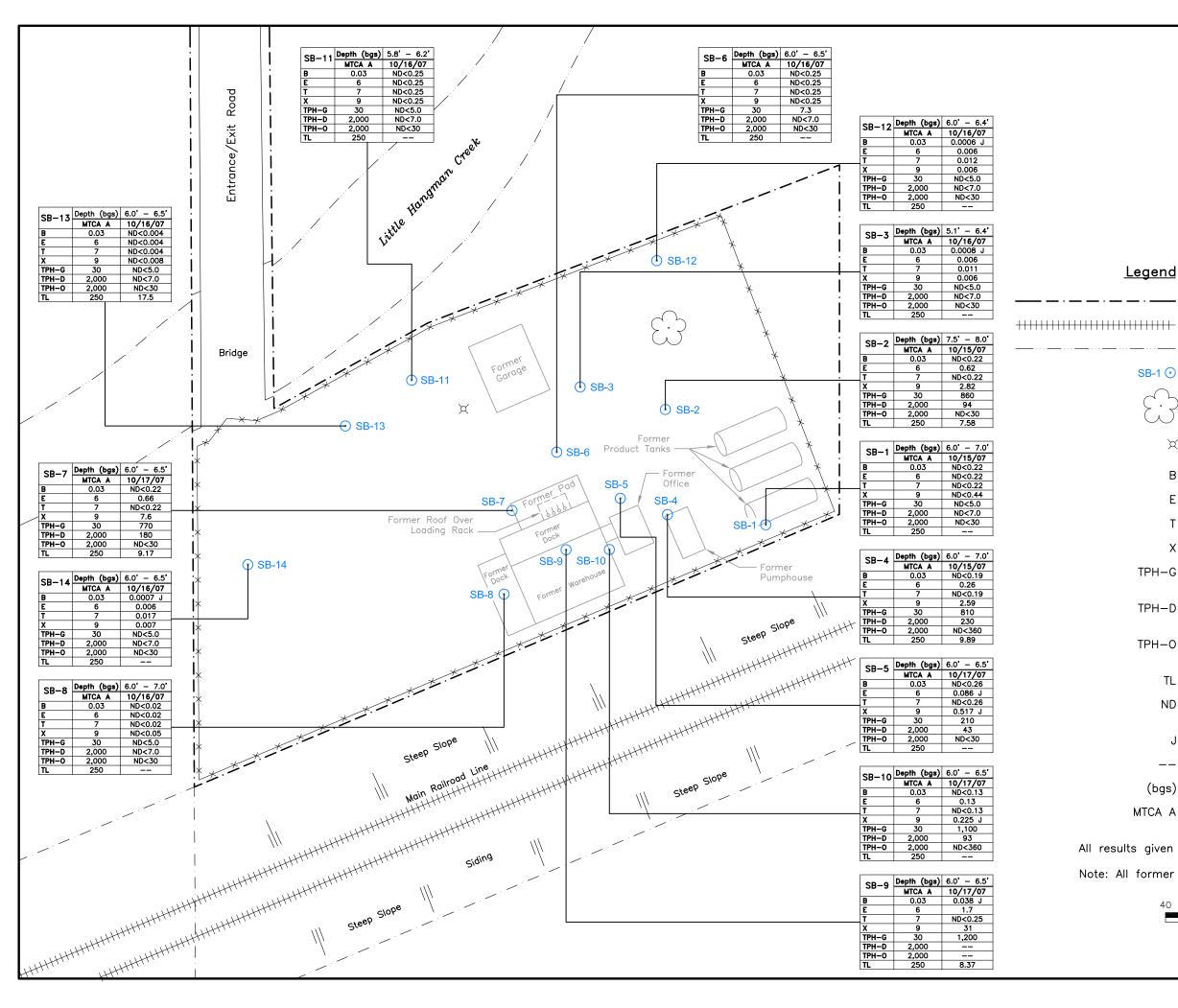


Figures





	B
	DATE:
	SN S
	REVISIONS DESCRIPTION:
	öz
L	DESIGNED BY MM DRAWN BY: KM CHECKED BY APPROVED B
	M
	ENSR AL AATION S ROAD NE SHINGTON 98052 0 881-7700 83-4473 WWW.ENSR.AECOM.COM
	ENS 0 NE 7700 0 SR AE
	EN ENSR CORPORATION 9521 WILLOWS ROAD NE 9521 WILLOWS ROAD NE PHONE: (425) 883–4473 FAX: (425) 883–4473 WEB: HTTP://WWW.ENSR./
	RPOR/ LOWS , MAS 5) 88 P://V
<u>nd</u>	ENSR CO 9521 WIL PHONE: ( 742: (42: WEB: HTT
— Subject Property Boundary	9523 PHC
H Railroad Tracks     A D → D     A	
— Creek Bank	-0001
to the location of the three remaining	
d during ENSR's document review.	01152 74 PROJECT NUM
	L 100115 274 on PROJE 01231
	SITE PLAN SITE PLAN Chevron Facility No. 1001152 452 State Route 274 Tekoa, Washington DATE: PROJECT 09/30/07 01231
	Nov Mass
	SITE Stati Stati bate: Date:
	vron 452 1el
	SCALE:
	1. SC
	FIGURE NUMBER:
60 40 20 0 40 80	2
Approximate Scale in Feet	
	FILENAME: 0123134101B





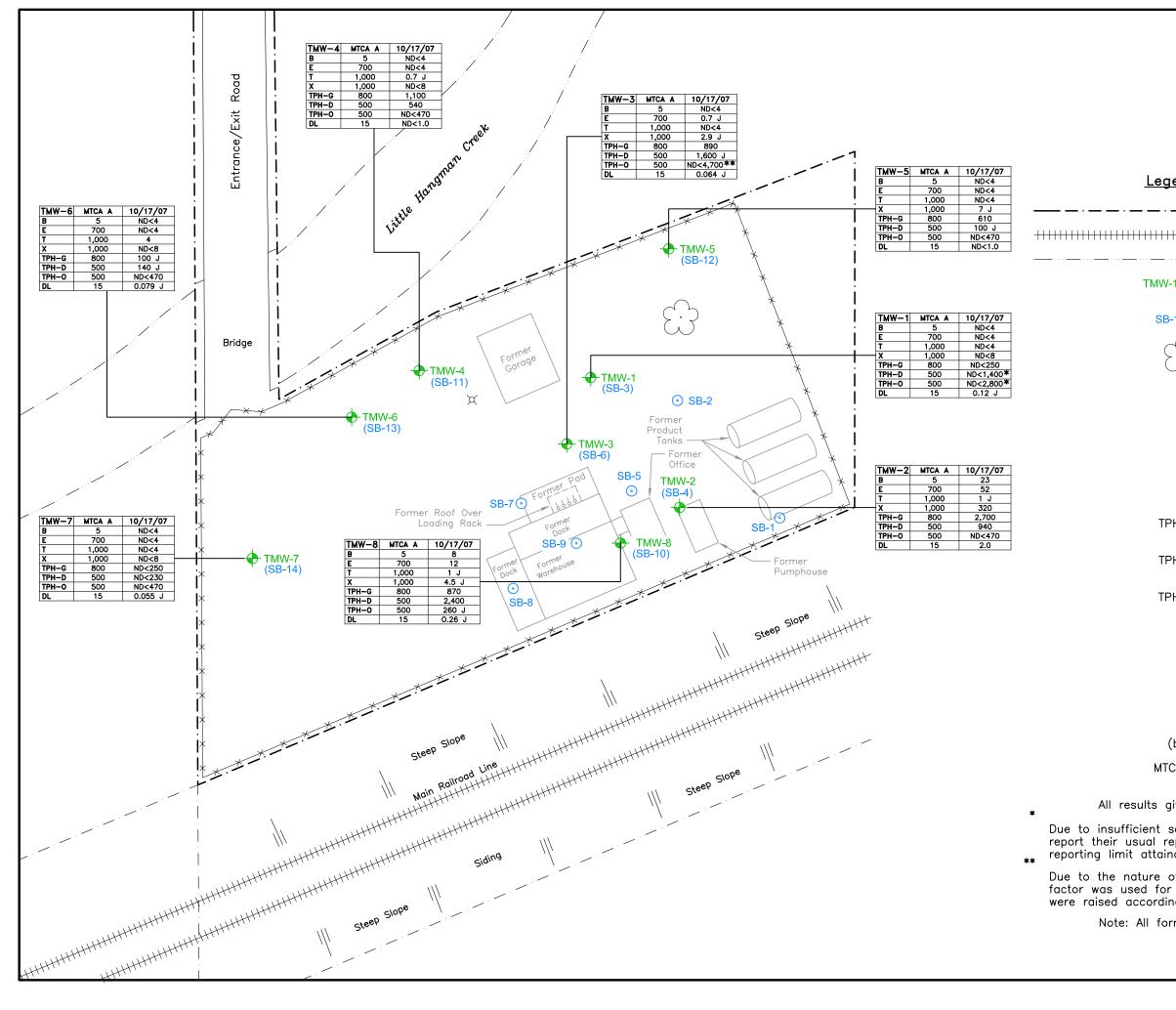
	Subject Property Boundary
++++-	Railroad Tracks
	Creek Bank
3-1 🖸	October 2007 Soil Boring
$\bigcirc$	

- $\langle \cdot \rangle$ Tree
  - X Power Pole
  - B Benzene
  - E Ethylbenzene
  - T Toluene
  - X Total Xylenes
- TPH-G Total Petroleum Hydrocarbons as Gasoline
- TPH-D Total Petroleum Hydrocarbons as Diesel
- TPH-O Total Petroleum Hydrocarbons as Heavy Oil
  - TL Total Lead
  - ND Analyte not Detected at or Above the Laboratory Detection Limit
  - J Laboratory Estimated Value
  - -- Not Analyzed/Not Tested
- (bgs) Depth Below Ground Surface
- MTCA A Model Toxics Control Act Method A Cleanup Level
- All results given in milligrams per kilogram (Mg/Kg)
- Note: All former facilities have been removed

40 30 20 10 0 20 40 Approximate Scale in Feet

	<b>.</b> .										
	:: B										
6	DATE										
REVISIONS	NO: DESCRIPTION: DATE: BY:										
	öN										
DESIGNED BY:	BB	DRAWN BY:	KM	СНЕСКЕР ВУ:	MM	APPROVED BY:	DL				
	ENSR AECON	_	9521 WILLOWS ROAD NE	REUMUNU, WASHINGIUN 98052 PHONE: (425) 881-7700	FAX: (425) 883-4473	WEB: HTTP://WWW.ENSR.AECOM.					
	YTICAL DATA	2007	. 1001152	274	ngton	PROJECT NUMBER:	01231-341-0001				
	SUMMARY OF ANALYTICAL DAT OCTOBER 2007 Chevron Facility No. 1001152 State Route 274 Tekoa, Washington E: DATE: PROJECT NU 80' 12/27/07 01231–341										
	SUMM/		Ch			SCALE:	1" = 80'				
FIGURE NUMBER:											
			171	3							
FILENAME:											

0123134101E



			BY:							
	P		DATE:							
		REVISIONS	DESCRIPTION:							
			DE							
end	1		öN							
	Subject Property Boundary	В		BY:		BY:		ВY:		
++++-	Railroad Tracks	GNED	BB	DRAWN E	КМ	CHECKED	MM	APPROVED	Ы	
	Creek Bank	DESIGNED		DRA		CHEC		APPR		
-1-	October 2007 Temporary Monitoring Well		M							
-1 💽	October 2007 Soil Boring		EC.						MO	
$\hat{\cdot}$	Tree	-	ENSR AE	_		08050	20005		(.ENSR.AECOM.CON	
X	Power Pole				rion Road Ne Hington 381–770 -4473					
В	Benzene				CORPORATION	WS R	5) 8	883-	$\mathbb{N}$	
Е	Ethylbenzene				CORP		. (42	425)		
Т	Toluene				Ř	9521 V		Ċ X	NEB: F	
х	Total Xylenes				ū	δā		È	3	
°H−G	Total Petroleum Hydrocarbons as Gasoline								01	
°H−D	Total Petroleum Hydrocarbons as Diesel		TA					NUMBER:	41 - 000	
9Н−О	Total Petroleum Hydrocarbons as Heavy Oil		L DA.		1152			PROJECT	01231 - 34	
DL	Dissolved lead		IIC⊿	2007	100	74	ton	Ъ	6	
ND	Analyte not Detected at or Above the Laboratory Detection Limit		1		Chevron Facility No. 1001152	Route 274	ashing		2	
J	Laboratory Estimated Value			OBER	lcility	, R N	л, V	DATE:	/27/07	
	Not Analyzed/Not Tested		Р	OCTO	С С	State	ekod	.YO	2/2	
(bgs)	Depth Below Ground Surface		ÅRY	0	evrol	••				
CA A	Model Toxics Control Act Method A Cleanup Level		SUMMARY OF		Che				80'	
jiven i	n micrograms per liter ( $\mu$ g/L)		S					SCALE:	=	
	e size, the laboratory was unable to g limits and so used the lowest							0,	, _	
of the	sample extract matrix, a dilution		Fl	GUF	RE	NUM	IBE	R:		
	analysis and the reporting limits									
	acilities have been removed				Z	1				
40	30 20 10 0 20 40						_			
	Approximate Scale in Feet		0			IAМE 341		F		



Appendix A Soil Boring Logs

Page <b>1</b> of <b>1</b>									ENS	SR /	AECON	Λ
BOREHOLE NUMBER <b>SB-1</b> PROJECT NAME		SOIL I			5 LOG		]					
Former Chevron Bulk	Plant, Chevron No.	1001152	1	e Rout	e 274							
PROJECT NUMBER	•		1						ENS	R Co	rporatio	n
01231-341 DRILLING CONTRACTOR /				<b>)a, Wa</b> GED BY	shington			95	521 V	Villow	s Road	NE
Cascade Drilling	DRILLER			ozlow							hington	
DRILLING EQUIPMENT / MI	ETHOD		BIT S	IZE / BI	T TYPE			<b>IETHOD</b>	S	TART	FINISH D	ATE
Hollow Stem			4.25	in. O.[	D.	18 in	n. Split	Barrel	1	0/15/	07 - 10/1	5/07
CASING MATL. / DIAMETER		14AT				<b>T</b> 11			_			
ELEVATION OF: G	TYPE BROUND SURFACE	TOP OF WEL	L CAS	ING	TOTAL LENG TOP & BOTTO	M SCREEN	DIA. G	W SURF		SLOT S	DATE	
NORTHING	EASTING	L	ATITUE	DE	L	ONGITUDE			DAT	UM		
Depth (feet)		Graphic Log	True Depth	USCS	Visual D	escripti	o n	Blow Counts	ę	Sample Time	Sample ID	PID V a I u (ppm Recov (inche
				SM	0.0 to 8.0 feet: Air k extraction and hand all utility lines on 10	auger used to	clear	//				
					collected at 3.0 feet hand auger.	t and 6.0 feet u	sing a					
			1.5	SM	0.0 to 3.0 feet: SILT							
					GRAVEL (SM), bro fine sand, 25% ang dry.	ular gravel, 20%	e to % fines,					
			. 3.0	SM	3.0 to 5.0 feet: SILT	Y SAND (SM),		//				
					yellowish orange to to fine sand, 30% fi	nes, dry	lealum			100115 1557	2-SB-1-3-4	-1 5873 12
			•					//				
5			5.0	sc	5.0 to 8.0 feet: CLA yellowish orange to sand, 70% fines, dr	YEY SAND (SC light brown, 30 y	C), 0% fine					
	Hydrated							//				
	Béntonite Chips									100115 1604	2-SB-1-6-7	-1 <b>5</b> 0 <u>7</u> 2 12
			8.0	SM	8.0 to 9.5 feet: SILT brown, 70% mediur 30% fines, moist			4/5/7				
										1645		15.2 18
10		-	9.5	SM	9.5 to 11.0 feet: SII greyish brown, 70% 5% angular to round moist to wet	6 medium to fin	e sand,	4/4/6				
57										1650		5.6 18
 Groundwater Level			11.0	SW-SM	11 to 12.5 feet: WE WITH SILT (SW-SM brown, 80 % mediu angular to well roun	<li>A), blueish gray m to fine sand,</li>	to 10%	5/50/		1654		2.1 12
		• • • • • • • • • • • • • • • • • • •			fines, wet							12
		<u> 0_0_0_0_0_0</u>	12.5	1 1	Bottom of borehole	at 12 E fact		1	i 1			اختا

PROJECT NAME Former Chevron Bulk I PROJECT NUMBER 01231-341 DRILLING CONTRACTOR / Cascade Drilling	DRILLER	. 1001152	LOCATION State Route 274 Tekoa, Washington LOGGED BY K. Kozlowska						ENSR Corporation 9521 Willows Road NE Redmond, Washington 98				
DRILLING EQUIPMENT / ME Hollow Stem			BIT SI <b>4.25</b>		т түре <b>D.</b>		SAMPLING N 18 in. Split				-finish da / <b>07 - 10/15</b>		
CASING MATL. / DIAMETER ELEVATION OF: G	SCREEN: TYPE ROUND SURFACE	MATL. TOP OF WEL			TOTAL LEN TOP & BOTT		DIA	W SURF	<u> </u>	SLOT	<u>SIZE</u> DATE		
(FT.) NORTHING	EASTING			-		LONGIT	-	JUN SUKE		LIM	DATE		
NORTHING	LASTING			·L		LONGI			DAI			PID	
Depth (feet)		Graphic Log	True Depth	USCS	Visual	Descr	iption	Blow Counts	\$	Sample Time	Sample e ID	V a I u e (ppm) Recover (inches	
				SM	0.0 to 8.0 feet: A extraction and ha all utility lines on collected at 3.0 f hand auger.	and auger u 10/15/07.	used to clear Samples	//					
			1.5	SM	0.0 to 3.0 feet: S GRAVEL (SM), o to fine sand, 200 gravel, 15% fines	dark brown, 6 angular to	55% coarse						
			3.0	SM	3.0 to 5.0 feet: S to dark brown, 7 dry	SILTY SANI 5% fine sar	D (SM), brown nd, 25% fines,	// //		10015 1420	2-SB-2-3-4-1	₩ 97.2 12	
_5	Hydrated Bentonite		5.0	CL	5.0 to 7.0 feet: S dark brown, 35-4 55-60% fines, dr	ANDY LEA 10% coarse y	N CLAY (CL), to fine sand,						
	Chips							//		100111 1436	52-SB-2-6-7-1	₩ ₩ 12	
			7.0	SC	7.0 to 8.0 feet: C brown, 20-30% f 70-80% fines, dr	ine to very		// //		100152 1446	2-SB-2-7.5-8-1	59804	
			8.0	SM	8.0 to 10.0 feet: 3 gray to brown, 6 40% fines, dry			3/5/7				6	
10 ▽								3/5/7		1614		7.9 18 18	
Groundwater Level			X 10.0	GC	10.0 to 11.0 feet: WITH SAND (GO coarse to fine sa subrounded grav	C), brown to nd, 40% su	black, 15% Ibangular to			1618		0.9	
			<sup>2</sup> 11.0		Bottom of boreho	ole at 11 fe	et.						

Page 1 of 1 BOREHOLE NUMBER SB-3 PROJECT NAME Former Chevron Bu	ilk Plant, Chevron No.	SOIL E	LOCAT	ION								
PROJECT NUMBER 01231-341 DRILLING CONTRACTO Cascade Drilling			LOGGE	ED BY <b>zlow</b> :	ska	ENSR Corporation 9521 Willows Road NE Redmond, Washington 98052						
DRILLING EQUIPMENT Hollow Stem CASING MATL. / DIAME			BIT SIZ <b>4.25 i</b> I		Т ТҮРЕ <b>).</b>		SAMPLING N 18 in. Split				-FINISH D/ <b>07 - 10/1</b>	
ELEVATION OF: (FT.)	TER SCREEN: TYPE GROUND SURFACE	MATL. TOP OF WEL		١G	TOTAL LEN TOP & BOTT		Dia Een c	GW SURF		LOTS	DATE	
NORTHING	EASTING	L	ATITUDI	Ξ		LONGIT	UDE		DAT	UM		
Depth (feet)		Graphic Log	True Depth	USCS	Visual	Descr	iption	Blow Counts	s	ample Time	Sample ID	PID V a I u (ppm Recove (inche
				SW	0.0 to 8.0 feet: A extraction and ha all utility lines on collected at 3.0 f hand auger.	and auger (	used to clear	//				
			1.5	sw	0.0 to 3.0 feet: W WITH GRAVEL coarse to fine sa rounded gravel, o	(SW), brow ind, 25% st	n, 75%	//				
			3.0	SP	3.0 to 5.0 feet: P (SP), light brown sand, 5% subrou dry	OORLY GF n, 90% coar unded grave	RADED SAND se to fine el, 5% fines,	//		10015 1519	2-SB-3-3-4-1	
								//				12
5	Hydrated Bentonite Chips		5.0	SM	5.0 to 7.0 feet: S 70% fine to very	ILTY SANE fine sand,	0 (SM), brown, 30% fines, dry	"		0152-5	6B-3-5.10-6.4	16.27
			7.0	SM	7.0 to 9.5 feet: S 85% medium to			//		'1521``	50-5-5. 10-6	8
								4/4/6				
			9.5	SP-SM	9.5 to 10.0 feet: SAND WITH SIL	T (SP-SM)	, brown, 85%	50//		1540		0.3 18 0.6 6
			9.5 (	SP-SM	9.5 to 10.0 feet: SAND WITH SIL fine to very fine s rounded gravel, Bottom of boreho	T (SP-SM) sand, 5% a 10% fines,	, brown, 85% ngular to dry	50//		1542		

									ENS	R	AECOM	1
Page <b>1</b> of <b>1</b> BOREHOLE NUMBER	1	SOIL B	BOF	RINC	<b>LOG</b>							
SB-4			_					1				
PROJECT NAME Former Chevron Bulk F	Plant. Chevron No.	1001152	LOCA	Rout	e 274							
PROJECT NUMBER 01231-341			1						ENSF	R Co	rporatio	n
DRILLING CONTRACTOR / I	DRILLER		LOGO	<b>e, vva</b> Sed by	shington			95	521 W	/illow	/s Road	NE
Cascade Drilling DRILLING EQUIPMENT / ME			K. K		<b>ska</b> T TYPE		SAMPLING N				hington -FINISH D	
Hollow Stem				in. 0.[			18 in. Split				07 - 10/1	
CASING MATL. / DIAMETER	SCREEN:	MATI							0			
ELEVATION OF: GI	ROUND SURFACE	MATL TOP OF WEL	L CAS	ING	TOTAL LEI TOP & BOT	TOM SCR	DIA EEN C	GW SURF.	ACE	LOTS	DATE	
(FT.) NORTHING	EASTING		ATITUE	DE		LONGIT	UDE		DATU	JM		
												PID
Depth (feet)		Graphic Log	True Depth	USCS	Visual	Descr	iption	Blow Counts	S	ample Time	Sample ID	V a I u e s (ppm) Recovery (inches)
				SW-SM	0.0 to 8.0 feet: A extraction and h			//				
					all utility lines or collected at 3.0	10/15/07.	Samples					
					hand auger.		0.5					
			}									
			1.5	SW-SM	0.0 to 3.0 feet: V WITH GRAVEL			//				×.
					medium to fine s rounded gravel,	sand, 20% s	subangular to					
			}									
			3.0	SP-SM	3.0 to 5.0 feet: F WITH SILT (SP-	OORLY GF SM), light b	RADED SAND rown, 90%	//	1	99152	-SB-4-3-3.5	50.72
					WITH SILT (SP- medium to fine s	sand, 10%	fines, dry	//		1700		6
			5.0	SM	5.0 to 7.5 feet: S							
					70-80% medium fines, dry	to fine san	d, 20-30%					
	Hydrated Bentonite							//				
	Chips									199135	2-SB-4-6-7-	<sup>1)</sup> 07163
								11				12
			7.5	SM	7.5 to 9.5 feet: S brown, 80% ven							
					wet	,	,	5/7/7				
										0816		43.6
												18
Groundwater _		ØX/XXX	9.5	GC	9.5 to 11.0 feet:			7/7/8				
10 Level			9		SAND (GC), ligh 30% subangular							
					fines, wet					0819		55.7
		(A)A	9									18
			11.0	SM-GW	11.0 to 12.0 feet			50//				
			:		GRAVEL WITH (SM-GW), dark	SILT AND S brown, 20-2	SAND 5% medium					0.0
					to coarse sand, gravel, 5-10% fi		ir to rounded			0821		9.8 6
		····	J 12.0	ı 1	Bottom of boreh	ole at 12 fe	et.	1	11	I		-
L												

PROJECT NAME Former Chevron Bulk F PROJECT NUMBER 01231-341 DRILLING CONTRACTOR / I Cascade Drilling DRILLING EQUIPMENT / ME	DRILLER	. 1001152	LOGGE	Route , Was ED BY zlows	shington ska			98 Redrr	521 V nond,	Villow Was	rporatior /s Road I shington	NE 98052
Hollow Stem			BIT SIZ 4.25 ir				SAMPLING I 18 in. Spli				-finish d <i>i</i> <b>07 - 10/1</b>	
CASING MATL. / DIAMETER	SCREEN: TYPE ROUND SURFACE	MATL. TOP OF WEL		10	TOTAL LEN TOP & BOTT	IGTH	DIA	GW SURF.		SLOT S		
ELEVATION OF: GI (FT.) NORTHING					IOP & BOTT		>	>11 >11			DATE	
NORTHING	EASTING		ATITUDE	=		LONGIT	UDE		DAT	UM		
Depth feet)		Graphic Log	True Depth ເ	USCS	Visual	Descr	iption	Blow Counts		Sample Time	Sample ID	PID V a I u (ppm Recove (inche
			s	W-SM	0.0 to 8.0 feet: A extraction and ha all utility lines on collected at 3.0 f hand auger.	and auger u 10/17/07.	ised to clear Samples	11				
			1.5 s	W-SM	0.0 to 3.0 feet: W WITH SILT (SW- 75% coarse to fir rounded gravel, 7	SM), light go sand, 15	gray to brown, % angular to					
			3.0	SM	3.0 to 5.0 feet: S 80% coarse to fir	ILTY SANE ne sand, 20	0 (SM), black, 0% fines, dry			10015 0914	2-SB-5-3-4-1	<sup>1</sup> 2/52 12
5	Hydrated											
	Bentonite Chips							//		100152 0921	-SB-5-6-6.5-	7 <del>1</del> 81. 12
			7.0	SM	7.0 to 9.5 feet: Si 80% fine to very			3/4/5				
								31473		0943		379 18
<u>10</u>			9.5 S	W-SM	9.5 to 11.0 feet: \ WITH SILT AND to dark gray, 65- sand, 20-25% an	GRAVEL ( 70% fine to gular to rou	SW-SM), gray very fine	3/3/50				
			11.0		10% fines, dry to Bottom of boreho		et.			0946		668 18

Page <b>1</b> of <b>1</b>									ENSI	RA	ECOM		
BOREHOLE NUMBER <b>SB-6</b> PROJECT NAME					g log			]					
Former Chevron Bulk PROJECT NUMBER 01231-341 DRILLING CONTRACTOR Cascade Drilling		. 1001152	State Route 274 Tekoa, Washington LOGGED BY K. Kozlowska						ENSR Corporation 9521 Willows Road NE Redmond, Washington 98052				
DRILLING EQUIPMENT / N Hollow Stem			BIT SI 4.25	ZE / BI	T TYPE		SAMPLING I <b>18 in. Spli</b>	METHOD	ST	ART-F	INISH DA 7 - 10/10	ATE .	
	ER SCREEN: TYPE GROUND SURFACE	MATL TOP OF WEI	_L CASI	NG	TOTAL LEN TOP & BOTT	IGTH OM SCRE	DIA EEN (	GW SURF	SL ACE	OT SIZ	ZE DATE		
(FT.) NORTHING	EASTING	L	ATITUD	)E		LONGIT	JDE		DATU	М			
Depth (feet)		Graphic Log	True Depth	USCS	Visual	Descr	iption	Blow Counts	Sa	ample Time	Sample ID	PID V a I u e (ppm) Recover (inches	
			۵ • •	SM	0.0 to 8.0 feet: A extraction and ha all utility lines on collected at 3.0 f hand auger.	and auger u	sed to clear Samples	11					
			3 1.5	SM	0.0 to 3.0 feet: S GRAVEL (SM), t fine sand, 20% v rounded gravel, 2	orown, 60% ery angular	coarse to to well	11					
			3.0	SM	3.0 to 5.0 feet: S brown, 85% fine fines, dry	ILTY SAND to very fine	(SM), light sand, 15%			00152-	SB-6-3-4-1	8 8	
										1833			
_5	Hydrated Bentonite Chips												
			· · · · · · · ·	SM	7.0 to 9.0 feet: S		(SM) light	11	1 [ 	)8152-S	iB-6-6-6.5-´	8.8 6	
				SIVI	subangular to ro dry	lium to fine	sand, 5%	4/2/3					
			9.0	sc	9.0 to 9.5 feet: C grayish green, 60	LAYEY SAI	ND (SC), ery fine sand,		0	910		71.2 18	
10			9.5	SC	40% fines, moisl 9.5 to 11.0 feet: ( GRAVEL (SC), g coarse to fine sa rounded gravel,	: CLAYEY SA Iray to dark nd, 30% su	AND WITH brown, 35% brounded to	3/2/3		912		17.2	
			11.0		Bottom of boreho	ole at 11 fee	et.					18	
 Groundwater Level													

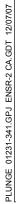
									ENS	R	AECOM	1
Page <b>1</b> of <b>1</b> BOREHOLE NUMBER		SOIL B	BOF	RINC	<b>G LOG</b>							
SB-7								L				
PROJECT NAME Former Chevron Bulk Pl	ant. Chevron No.	1001152		ATION <b>e Rout</b>	e 274							
PROJECT NUMBER	<u></u>		1						FNS	R Co	orporatio	n
01231-341 DRILLING CONTRACTOR / DI	RILLER		LOG	<b>da, vva</b> GED BY	shington			95	521 V	Villov	vs Road	NE
Cascade Drilling			K. K	ozlow	ska						shington	
DRILLING EQUIPMENT / MET Hollow Stem	HOD		-	ize / Bi in. <b>O.</b> [	Т ТҮРЕ <b>1</b>		SAMPLING N 18 in. Split				-finish d <b>/07 - 10/1</b>	
CASING MATL. / DIAMETER	SCREEN:		4.2J	III. U.I	J.			Darrei		0/17/	07 - 10/1	1101
ELEVATION OF: GRO	TYPE OUND SURFACE	MATL TOP OF WEL			TOTAL LEI TOP & BOT			W SURF	8 0 0 0 0 0 0	SLOT	<u>SIZE</u> DATE	
(FT.)			_L 0/10						(OL		DATE	
NORTHING	EASTING	L	ATITUI	DE		LONGIT	UDE		DAT	UM		
Depth (feet)		Graphic Log	True Depth	USCS	Visual	Descr	iption	Blow Counts	:	Sample Time	Sample D	PID V a I u e s (ppm) Recovery
			J.	SW-SM	0.0 to 8.0 feet: A			//				(inches)
					extraction and h all utility lines or collected at 3.0	and auger u n 10/17/07.	sed to clear Samples					
			4		hand auger.	ieet and 6.0	leet using a					
			્રી									
			1.5	SW-SM	0.0 to 3.0 feet: V	VELL GRAD	DED SAND	//				
			•]		WITH SILT AND brown, 70% coa	rse to fine s	and, 20%					
					subangular to ro dry	unded grav	el, 10% fines,					
			ะ จา									
			3.0	SM	2.0 to 5.0 foot: S		(SM) grav to	//				
				SIVI	3.0 to 5.0 feet: S black, 80% fine	sand, 20% f	ines, dry					
										0843	2-SB-7-3-4-	<sup>10</sup> 970 12
								//				
5												
	Hydrated		:									
	Bentonite Chips											
								//		100152	2-SB-7-6-6.5	70700
								//		0848		2558 6
			7.0	SW	7.0 to 9.5 feet: V WITH GRAVEL							
					75% medium to to rounded grav	fine sand, 2	20% angular					
					0			3/3/7				
			)									
			•									
			ধ							1006		24.9 18
$\nabla$												
Groundwater			9.5	GW-GM	9.5 to 11.0 feet: GRAVEL WITH	WELL GRA		3/4/50				
<u>10</u>			2		(GW-GM), very fine sand, 55% s	dark gray, 3	5% coarse to					
			•		gravel, 10% fine	s, wet	orounded			1010		8.8
			•									18
			11.0		Bottom of boreh	ole at 11 fee	et.		l			

Page <b>1</b> of <b>1</b>						l	ENSR	AECOM	1
BOREHOLE NUMBER SB-8 PROJECT NAME			LOCATIO			]			
Former Chevron Bulk PROJECT NUMBER 01231-341 DRILLING CONTRACTOR		1001152	Tekoa, LOGGED			95	ENSR Cor 21 Willow	s Road I	NE
Cascade Drilling DRILLING EQUIPMENT / M Hollow Stem CASING MATL. / DIAMETE			K. Kozl BIT SIZE 4.25 in.	/ BIT TYPE	SAMPLING I 18 in. Spli	METHOD		FINISH D/ <b>10/1</b>	ATE .
ELEVATION OF:	R SCREEN: TYPE GROUND SURFACE	MATL TOP OF WEI		TOTAL LENG TOP & BOTTOM	TH DIA M SCREEN (	GW SURFA	SLOT S	IZE DATE	
(FT.) NORTHING	EASTING	L	ATITUDE		ONGITUDE		DATUM		
Depth (feet)		Graphic Log	True Depth Us	<sub>SCS</sub> Visual D	escription	Blow Counts	Sample Time	Sample ID	PID V a I u e (ppm) Recover (inches)
				all utility lines on 10	auger used to clear	//			
			າ 1.5 ຣ •	M 0.0 to 3.0 feet: SILT GRAVEL (SM), light to fine sand, 15% a gravel, 15% fines, d	t brown, 70% coarse				
			3.0 g	M 3.0 to 5.0 feet: SILT dark brown, 85% m 15% fines, dry	Y SAND (SM), very edium to fine sand,	11			1.4 12
_5	Hydrated Bentonite Chips		5.0	SC 5.0 to 7.5 feet: CLA' brown, 70% mediun 30% fines, moist	YEY SAND (SC), dark n fo very fine sand,	//			
						//	 100152	!-SB-8-6-7-1	97.5 12
			7.5 s	M 7.5 to 9.5 feet: SILT GRAVEL (SM), very coarse to fine sand, rounded gravel, 209	dark brown, 50% 30% angular to	// 2/14/21			
Level			۵. ۵. ۵.				0904		3.1 18
_10			9.5 S	WITH GRAVEL (SV	sand, 15% angular to fines, wet	50//	0908		1.1 6
_10									

DRILLING EQUIPMENT / METHOD         BIT SIZE / BIT TYPE         SAMULYON BETHOD         START-FINISH DATE 10/17/07 - 10/17/07         START-FINISH DATE 20/17/07         START FINISH DATE 20/17/07         START FINISH DATE 20/17/07/07/07/07/07/07/07/07/07/07/07/07/07	Former Chevron Bulk F PROJECT NUMBER 01231-341 DRILLING CONTRACTOR / I Cascade Drilling	DRILLER	. 1001152	Teko	Rout	shington			95	521 Wi	Corporat llows Roa Vashingto	d NE
TYPE         MATL         TOTALLENGTH         DIA         SLOT SIZE           LEEVATION CF:         GROUND SURFACE         TOP OF WELL CASING         TOP & BOTTOM SCREEN         GW SURFACE         DATE           INORTHING         EASTING         LATITUDE         LONGITUDE         DATUM           Orgobic         Cappito         True         LONGITUDE         DATUM           Opph         Cagnito         True         LONGITUDE         DATUM           (ref.)         Cappito         True         LONGITUDE         DATUM           (ref.)         Cagnito         True         LONGITUDE         DATUM           (ref.)         Cappito         True         LONGITUDE         DATUM           (ref.)         Cappito         True         LONGITUDE         DATUM           (ref.)         Cappito         SW-SM         O to 50 feet. At Indevinemum         Sample True           (ref.)         SW-SM         O to 50 feet. At Indevinemum         Cappito True         Sample True         Sample True           (ref.)         SW-SM         O to 50 feet. At Indevinemum         Cappito True         Cappito True         Sample True           (ref.)         SW-SM         O to 50 feet. WELL GRADED SAND         True         Samangua	Hollow Stem			BIT SI	ZE / BI	T TYPE						
Instruction       EASTING       LATITUDE       LONGITUDE       DATUM         Depth (reet)       Graphic Depth (reet)       True Depth Usg       Visual Description       Blow Counts       Sample Depth Counts       Sample Depth Depth (reet)       Sample Depth		TYPE	MATL.		NO	TOTAL LEN	GTH	DIA		SL		<b>-</b>
Despth (seet)         Caraphic Log         The Despth Log         Visual Description         Bow Counts         Sample Sample Time         O D Despth	(FT.)								W SURF	-		E
Depth (feet)         Organic Log         Tue to Depth Log         Visual Description         Box Courts         Sample Time         Value Time         Sample Discretion         Value Time         Sample Time         Sample Time         Value Time         Sample Time         Value Time         Sample Time         Value Time         Sample Time         Value Time         Sample Time         Sa	NORTHING	EASTING		AIIIUL			LUNGI	ODE		DATO	vi	
5       Hydrated Bentonite Chapse					USCS	Visuall	Descr	iption		Sa T	mple in	Valu
5       Hydrated Bentonice       7.5       SP-SM       7.5 to 8.5 fact: POORLY GRADED SAND       ///          10						extraction and ha all utility lines on collected at 3.0 fe hand auger. 0.0 to 3.0 feet: W	et and 6.0	sed to clear Samples feet using a DED SAND				
5       Hydrated Bentonite Chips           12         5       Hydrated Bentonite Chips            100152-SB-9-6-6.5-       793                100152-SB-9-6-6.5-       793                100152-SB-9-6-6.5-       793                100155       17                1055       17                1055       17                1055       17         10             1055       17         10            1055       17         10				3.0	SM	70% coarse to fin sunangular to rou dry 3.0 to 5.0 feet: SII dark brown to bla	ie sand, 20 inded grav LTY SAND ick , 85% c	% el, 10% fines,	11		00152 SB 0 3	4 1 07-
7.5       SP-SM       7.5 to 9.5 feet: POORLY GRADED SAND WITH SILT (SP-SM), gravish green to black, 90% fine to very fine sand, 10 fines, moist to wet       3/3/7       1005       1733         10       9.5       SM       9.5 to 10.0 feet: SILTY SAND WITH GRAVEL (SM), brown to dark gray, 70% fine sand, 15% angular to subrounded       50//       1105       1105       106		Bentonite							11		823	12
										18	0152-SB-9-6-6 829	6.5-1 <b>7.935</b> 5 6
				7.5	SP-SM	WITH SILT (SP-S black, 90% fine to	SM), grayis o very fine	n green to	3/3/7		055	17.6
10.0     gravel, 15% fines, wet     0       Bottom of borehole at 10 feet.     0	Groundwater			9.5	SM	GRAVEL (SM), bi fine sand, 15% ar gravel, 15% fines	rown to da ngular to si , wet	rk gray, 70% ubrounded	50//		105	18 10.9 6

- 4 7 4								ENSR	AECON	Л
Page 1 of 1 BOREHOLE NUMBER SB-10	1	SOIL I	BOF	RING	G LOG					
PROJECT NAME					· ·					
Former Chevron Bulk PROJECT NUMBER	Plant, Chevron No	. 1001152	State	e Rout	e 274					
01231-341			Tekc	ba, Wa	shington			ENSR (	Corporatio	n
DRILLING CONTRACTOR /	DRILLER		LOGO	GED BY	_				ows Road	
Cascade Drilling DRILLING EQUIPMENT / MI	ETHOD		RIT S	ozlows	ska T TVDE	SAMPLING			ashington RT-FINISH D	
Hollow Stem	ETHOD			in. O.E		18 in. Split			6/07 - 10/1	
CASING MATL. / DIAMETER	R SCREEN:							1		
ELEVATION OF: G	TYPE GROUND SURFACE	MATL TOP OF WEL			TOTAL LENGTH TOP & BOTTOM SC		SW SURF/	SLO	T SIZE DATE	
(FT.)	STOUND SURFACE	TOP OF WEL		ING	TOP & BOTTOW SC			HUL	DAIL	
NORTHING	EASTING	L	ATITU	ЭЕ	LONGI	TUDE		DATUM		
Depth (feet)		Graphic Log	True Depth	USCS	Visual Desc	ription	Blow Counts	Sam Tirr	Sample ple ID le	PID V a I u e (ppm) Recover
				SW	0.0 to 8.0 feet: Air knife/va		//			(inches)
					extraction and hand auger all utility lines on 10/16/07 collected at 3.0 feet and 6	. Samples				
					hand auger.	0				
		ۣ؞ؚ؞۫؞۫؞ <u>ٛ</u>	Š							
			3 1.5	SW	0.0 to 3.0 feet: WELL GRA		//			
			•		WITH GRAVEL (SW), bro coarse to very fine sand, 2 to rounded gravel, 5% fine	wn, 75% 20% subangular				
			4		to rounded gravel, 5% fine	es, dry				
			2				//			
			3.0	SM	3.0 to 5.0 feet: SILTY SAN brown, 85% fine to very fir	ID (SM), dark ne sand, 15%				
					fines, dry			100 <sup>-</sup> 154	152-SB-10-3-4	-1 6872
										12
							//			
5										
	Hydrated Bentonite		5.0	SM	5.0 to 6.5 feet: SILTY SAN brown to black, 75% fine t	ID (SM), dark				
	Chips				sand, 25% fines, dry					
			•							
							//	1001	52-SB-10-6-6	5- 607
Level			6.5	SW-SM	6.5 to 8.5 feet: WELL GR		1/2/3	155	52-SB-10-6-6.	1287
				500-500	WITH SILT AND GRAVEL	(SW-SM), light				
					gray to gray, 75% coarse 15% angular to rounded g					
		ૻ૽ૼૢૢૢૢૢ૽ૼ૽૾૽૽૾૽૽૾૽૽	]		fines, moist					91.4
			3					162	2	18
		**************************************	< ∏ 8.5		9.5 to 10.0 feets WELL OF		2/10/14			
				SW-SM	8.5 to 10.0 feet: WELL GF WITH SILT AND GRAVEL	. (SW-SM), gray				
					to brown, 70% coarse to f subangular to rounded gra	ine sand, 20% avel, 10% fines,				
		ڋ <u>ۘ</u> ۿ۪؞ٛڹ۫ڹ۫ؽ			moist to wet			162	24	3.4 18
10			Š							10
10		<u>\`````````````````````````````````</u>	10.0		Bottom of borehole at 10	feet.	I		I	
_10			10.0		Bottom of borehole at 10	leet.				

Page 1 of 1 BOREHOLE NUMBER SB-11		SOIL I	BOF	RING	G LOG				ENSR	AECO	
PROJECT NAME Former Chevron Bulk P PROJECT NUMBER	lant, Chevron No	. 1001152		TION Route	e 274						
01231-341					shington			05		Corporatio	n NE
DRILLING CONTRACTOR / D Cascade Drilling	RILLER		1	GED BY	ko					Vashingtor	
DRILLING EQUIPMENT / MET	THOD		BIT S	IZE / BIT	TYPE		SAMPLING N			ART-FINISH [	
Hollow Stem			4.25	in. O.E	).		18 in. Split		10/	16/07 - 10/	16/07
CASING MATL. / DIAMETER	SCREEN:					NOTI	514				
ELEVATION OF: GR	TYPE COUND SURFACE	MATL TOP OF WEI		ING	TOTAL LE TOP & BOT		DIA REEN G	W SURF		<u>OT SIZE</u> DATE	
(FT.)									.02	27.112	
NORTHING	EASTING	L	ATITU	DE		LONGI	TUDE		DATU	N	
											PID
Depth (feet)		Graphic Log	True Depth	USCS	Visua	Desc	ription	Blow Counts	Sar Ti	Sample mple ID me	V a I u e (ppm) Recover (inches)
	Hydrated Bentonite Chips		3.0 5.0	SW-SM SW-SM SW-SM	0.0 to 8.0 feet: extraction and all utility lines co collected at 3.0 hand auger. 0.0 to 3.0 feet: WITH SILT AN to dark brown, sand, 15% sub 10% fines, dry 3.0 to 5.0 feet: WITH SILT (SF fine to very fine angular gravel, 5.0 to 7.0 feet: WITH SILT AN brown, 30% co angular to roun to moist	hand auger n 10/16/07. feet and 6. WELL GRA D GRAVEL 75% coarse angular to n POORLY G -SM), dark sand, 5% 10% fines, WELL GRA D SAND (G arse to fine	used to clear Samples O feet using a DED SAND (SW-SM), light to very fine bounded gravel, RADED SAND brown, 85% subangular to dry DED GRAVEL W-SM), dark sand, 60%	    		1 <u>152</u> -SB-11-3-3	8- 60 <u>4</u> 12
			7.0	GM	7.0 to 9.5 feet: SAND (GM), di medium to fine rounded gravel	ark brown, 1 sand, 60-6	0-20% 5% angular to	4/50/		152-5B-11-5.8-6	5.2 697
			9.5		Bottom of bore	nole at 9.5 f	ēet.		1'	100	57.6 12



Page 1 of 1 BOREHOLE NUMBER SB-12		SOIL I	BOF	RING	G LOG				ENSR	AECC	M
PROJECT NAME Former Chevron Bulk PROJECT NUMBER 01231-341 DRILLING CONTRACTOR Cascade Drilling	/ DRILLER	1001152	Teko LOGG	Rout	shington			95	521 Wi nond, V	Corporat llows Roa Vashingto	id NE on 98052
DRILLING EQUIPMENT / M Hollow Stem CASING MATL. / DIAMETE			BIT SI	ze / Bi in. <b>O.[</b>	T TYPE		Sampling M 18 in. Split			ART-FINISH 16/07 - 10	
ELEVATION OF: 0	TYPE GROUND SURFACE	MATL TOP OF WEI	_L CASI	NG	TOTAL LEN TOP & BOTT	NGTH TOM SCRE	DIA EN C	GW SURF	SLO ACE	<u>OT SIZE</u> DAT	E
(FT.) NORTHING	EASTING	L	ATITUE	ЭЕ		LONGITU	JDE		DATU	N	
Depth (feet)		Graphic Log	True Depth	USCS	Visual	Descri	ption	Blow Counts	Sal Ti	Sampl mple ID me	PID V a I u e (ppm) Recove (inches
			9 • •	SW-SM	0.0 to 8.0 feet: A extraction and ha all utility lines on collected at 3.0 f hand auger.	and auger us	ed to clear Samples	//			
			1.5 •	SW-SM	0.0 to 3.0 feet: V WITH SILT AND brown, 70% coa subangular to ro dry	GRAVEL (S rse to fine sa	W-SM), and, 20%	//			
			3.0 	SM	3.0 to 7.5 feet: S brown to gray, 8 sand, 15-20% fir	ILTY SAND 0-85% fine to nes, dry to m	(SM), dark o very fine oist	"		152-SB-12-3- 933	-3.6- <u>өрд</u> 8
_5	Hydrated							//			
	Bentonite Chips							// //	100 	152-SB-12-6- 944	6.4- <b>6</b> 0 <u>7</u> 6
			7.5	GW-GM	7.5 to 9.5 feet: V WITH SILT AND brown to grayish fine sand, 50% s gravel, 10% fine:	SAND (GW green, 40% subrounded t	-GM), light coarse to o rounded	2/6/8			
			9.5	sc	9.5 to 11.0 feet:	CLAYEY SA	ND WITH	5/12/50	10	007	31.6 18
.10					GRAVEL (SC), c green, 40% coar subangular to ro moist	dark brown to se to very fir	o greyish ne sand, 20%		10	011	30.4 18
			11.0		Bottom of boreh	ole at 11 fee	t.				
 Groundwater Level											

Page 1 of 1 BOREHOLE NUMBER		SOIL I	BOF	RING	G LOG			ENSR	AECON	1
SB-13 PROJECT NAME Former Chevron Bulk P PROJECT NUMBER	lant, Chevron No.	1001152	1	ATION e Rout	e 274					
01231-341 DRILLING CONTRACTOR / D	RILLER		LOG	GED BY			95	ENSR Co 21 Willov	ws Road	NE
Cascade Drilling DRILLING EQUIPMENT / ME <sup>-</sup> Hollow Stem	THOD		BIT S	ize / Bi ize / Bi	T TYPE	SAMPLING N 18 in. Split	IETHOD		F-FINISH D -FINISH D	ATE
CASING MATL. / DIAMETER	TYPE	MATL			TOTAL LENGTH	DIA		SLOT		
ELEVATION OF: GF (FT.) NORTHING	EASTING	TOP OF WEI	LL CAS		TOP & BOTTOM SC	REEN C	SW SURF#		DATE	
								D, (TOM		PID
Depth (feet)		Graphic Log	True Depth	USCS	Visual Desc	cription	Blow Counts	Sample Time	Sample <sup>e</sup> ID	V a l u e (ppm) Recover (inches
				SM	0.0 to 8.0 feet: Air knife/v extraction and hand auge all utility lines on 10/16/0 collected at 3.0 feet and o hand auger.	r used to clear 7. Samples	//			
			1.5	SM	0.0 to 3.0 feet: SILTY SA GRAVEL (SM), light brow to fine sand, 20% very an rounded gravel, 20% fine	n, 60% coarse				
			3.0	SM	3.0 to 5.0 feet: SILTY SA brown, 80% fine sand, 20	ND (SM), dark % fines, dry	11	 10015 1106	2-SB-13-3-4-	-1 - 1979 12
<u>5</u>	Hydrated Bentonite		5.0				11			
	Chips			SC	5.0 to 7.0 feet: CLAYEY S brown, 65% fine to very fi fines, moist	SAND (SC), dark ne sand, 35%				
			7.0	SW-SM	7.0 to 9.5 feet: WELL GR	ADED SAND	//	100152 1121	-SB-13-6-6.5	5- <b>20.7</b> 6
·····					WITH SILT AND GRAVE dark brown to greenish g to fine sand, 45% subang gravel, 10% fines, wet	ray, 45% coarse	2/9/50			
Level			<u>, , , , , , , , , , , , , , , , , , , </u>					1151		14.2 16
			9.5		Bottom of borehole at 9.5	i feet.				

PLUNGE 01231-341.GPJ ENSR-2 CA.GDT 12/07/07

PROJECT NAME Former Chevron Bulk F	Plant. Chevron No	. 1001152	LOCA	TION Rout	e 274						
PROJECT NUMBER 01231-341			Teko	a, Wa	shington			ENSF	R Col	rporation	n
DRILLING CONTRACTOR / I Cascade Drilling	DRILLER		LOGG	ED BY	-					s Road I hington	
DRILLING EQUIPMENT / ME Hollow Stem	THOD		BIT SI	ize / Bi in. <b>O.</b> [	Γ TYPE	SAMPLING 18 in. Sp				FINISH D/	
CASING MATL. / DIAMETER	SCREEN: TYPE	ΜΑΤΙ							_OT S		0/01
	ROUND SURFACE	TOP OF WEL	L CAS	ING	TOTAL LENGTH	I DI SCREEN	A. GW SURF		_015	DATE	
<u>(FT.)</u> NORTHING	EASTING	L	ATITUE	DE	LON	IGITUDE		DATU	IM		
Depth (feet)		Graphic Log	True Depth	USCS	VisualDes	scription	Blow Counts	S	ample	Sample ID	PID V a I u e (ppm) Recove
			3	sw-sm	0.0 to 8.0 feet: Air knife	e/vacuum	//		Time		(inches
					extraction and hand au all utility lines on 10/16 collected at 3.0 feet an	iger used to clear 6/07. Samples					
					collected at 3.0 feet an hand auger.	iu o.u ieet using a					
			1.5	SW-SM	0.0 to 3.0 feet: WELL ( WITH SILT (SW-SM), coarse to fine sand, 10	light brown, 80%					
					rounded gravel, 10% fi	nes, dry					
		••••••••••••••••••••••••••••••••••••••	3.0	SМ	3.0 to 5.0 feet: SILTY 5 brown, 75% medium to	SAND (SM), dark	11	10	0152-5	SB-14-3-3.5	 € 60,7
					fines, dry		11		1215		6
5			5.0	sc	5.0 to 7.0 feet: CLAYE	V SAND (SC) dort					
				SC	brown, 75% medium to angular to well rounde	o fine sand, 5%	`				
	L hydroto d				fines, dry		//				
	Hydrated Bentonite Chips							10	0152-5	SB-14-6-6.5	60.8
							//				6
			7.0	sc	7.0 to 9.5 feet: CLAYE brown to gray, 40% co		۲				
					60% fines, moist						
							1/1/7				**
									1330		0.5 18
			9.5			004050	5/5/6				
10				GW-GM	9.5 to 11.0 feet: WELL GRAVEL WITH SILT A (GW-GM), dark gray to	ND SAND					
					coarse to fine sand, 60 subrounded gravel, 10	1% very angular to			1333		0.4
			:		wet						18
 Groundwater			11.0	GW	11.0 to 12.0 feet: WEL GRAVEL WITH SAND	(GW), dark brown	15/50/				
Level					to greenish gray, 35% sand, 60% very angula gravel, 5% fines, wet	coarse to fine		.	1337		0.5 12
		····I	12.0	. 1	Bottom of borehole at	12 feet.	I	11	I		-



Appendix B Laboratory Report





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

### 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 17605-2425

### SAMPLE GROUP

The sample group for this submittal is 1061924. Samples arrived at the laboratory on Friday, October 19, 2007. The PO# for this group is 2057326 and the release number is INGLIS.

Client Description

1001152-SB-1-6-7-101507 Soil Sample 1001152-SB-2-7.5-8-101507 Soil Sample 1001152-SB-4-6-7-101507 Soil Sample 1001152-TMW2-101707 Water Sample 1001152-TMW5-101707 Water Sample 1001152-SB7-6-6.5-101707 Soil Sample 1001152-SB9-6-6.5-101707 Soil Sample 1001152-SB9-3-4-101707 Soil Sample 1001152-SB5-6-6.5-101707 Soil Sample 1001152-SB10-6-6.5-101707 Soil Sample 1001152-SB8-6-7-101607 Soil Sample 1001152-TMW5-101707 Water Sample 1001152-TMW4-101707 Water Sample 1001152-TMW-6-101707 Water Sample 1001152-TMW-3-101707 Water Sample 1001152-TMW-1-101707 Water Sample 1001152-TMW5-101707 Water Sample 1001152-SB-3-5.10-6.4-101607 Soil Sample 1001152-SB-14-6-6.5-101607 Soil Sample 1001152-TMW-7-101707 Water Sample 1001152-TMW-6-101707 Water Sample 1001152-TMW-2-101707 Water Sample 1001152-TMW2-101707 Water Sample 1001152-TMW-8-101707 Water Sample 1001152-TMW-8-101707 Water Sample

Langastar Labs Number
Lancaster Labs Number 5190633
5190636
5190638
5190640
5190641
5190643
5190644
5190645
5190647
5190648
5190650
5190651
5190652
5190653
5190654
5190655
5190656
5190658
5190659
5190661
5190662
5190663
5190664
5190665
5190666
5170000





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

1001152-TMW-2-101707 Water Sample 1001152-SB-13-6-6.5-101607 Soil Sample 1001152-SB-2-7.5-8-101507 Soil Sample 1001152-SB-4-6-7-101507 Soil Sample 1001152-SB-12-6-6.4-101607 Soil Sample 1001152-SB6-6-6.5-101607 Soil Sample 1001152-SB10-6-6.5-101607 Soil Sample 1001152-SB14-6-6.5-101607 Soil Sample 1001152-SB3-5.10-6.4-101607 Soil Sample

ELECTRONIC ENSR-AECOM COPY TO ELECTRONIC Chevron COPY TO Attn: Mike Mechaelis Attn: Brett Bardsley

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

Respectfully Submitted,

That Moline

Chad A. Moline Group Leader



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

Page 1 of 2

#### Lancaster Laboratories Sample No. SW 5190633

1001152-SB-1-6-7-101507 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/15/2007 16:04 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK1-6

CAT			As Received	As Received Method	As Received Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
02005	TPH by NWTPH-Gx soils						
01659	TPH by NWTPH-Gx soils	n.a.	N.D.	1.0	5.0	mg/kg	25
	The analysis was requested with The sample was analyzed 2 days			-	ime.		
	The sumple was analyzed z days						
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097	Diesel Range Organics	n.a.	N.D.	3.0	7.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	30.	mg/kg	1
05441	EPA SW846/8260 (soil)						
05460	Benzene	71-43-2	N.D.	0.022	0.22	mg/kg	43.48
05466	Toluene	108-88-3	N.D.	0.043	0.22	mg/kg	43.48
05474	Ethylbenzene	100-41-4	N.D.	0.043	0.22	mg/kg	43.48
05475	m+p-Xylene	1330-20-7	N.D.	0.043	0.22	mg/kg	43.48
05476	o-Xylene	95-47-6	N.D.	0.043	0.22	mg/kg	43.48

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

		Daboracory	CIII O	111010		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/31/2007 06:07	Linda C Pape	25
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	10/23/2007 06:16	Matthew E Barton	1
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	10/25/2007 08:05	Stephanie A Selis	43.48
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/30/2007 15:50	Lois E Hiltz	n.a.
06171	GC/MS - Field Preserved MeOH	SW-846 5035A	1	10/15/2007 16:04	Client Supplied	1



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 5190633

1001152-SB-1-6-7-101507 Soil Sample Facility# 1001152 Tekoa, WA

Collec	cted:10/15/2007 16:04	by KN	Account Number: 12094							
Report	ted: 10/19/2007 09:15 ted: 12/18/2007 at 07:59 td: 01/18/2008	)	6	hevron 001 Bollinger Ca an Ramon CA 9458	1					
TK1-6										
06171	GC/MS - Field Preserved MeOH	SW-846 5035A	2	10/15/2007 16:04	Client Supplied	1				
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/21/2007 12:00	Mariam G Attalla	1				



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

Page 1 of 3

### Lancaster Laboratories Sample No. SW 5190636

1001152-SB-2-7.5-8-101507 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/15/2007 14:46 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK2-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02005	TPH by NWTPH-Gx soils						
01659	TPH by NWTPH-Gx soils	n.a.	860.	84.	420.	mg/kg	2111.49
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097	Diesel Range Organics	n.a.	94.	3.0	7.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	30.	mg/kg	1
03983	EPA SW 846/8260 - Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.022	0.22	mg/kg	43.94
02017	di-Isopropyl ether	108-20-3	N.D.	0.044	0.22	mg/kg	43.94
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.044	0.22	mg/kg	43.94
02019	t-Amyl methyl ether	994-05-8	N.D.	0.044	0.22	mg/kg	43.94
02020	t-Butyl alcohol	75-65-0	N.D.	0.88	4.4	mg/kg	43.94
06089	Ethanol	64-17-5	5.9 J	4.4	22.	mg/kg	43.94
06293	Acetone	67-64-1	N.D.	0.31	0.88	mg/kg	43.94
06294	Carbon Disulfide	75-15-0	N.D.	0.044	0.22	mg/kg	43.94
06296	2-Butanone	78-93-3	N.D.	0.18	0.44	mg/kg	43.94
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.044	0.22	mg/kg	43.94
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.044	0.22	mg/kg	43.94
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.13	0.44	mg/kg	43.94
06300	2-Hexanone	591-78-6	N.D.	0.13	0.44	mg/kg	43.94
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.088	0.44	mg/kg	43.94
08199	Freon 113	76-13-1	N.D.	0.088	0.44	mg/kg	43.94
05441	EPA SW846/8260 (soil)						
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.088	0.22	mg/kg	43.94
05444	Chloromethane	74-87-3	N.D.	0.088	0.22	mg/kg	43.94
05445	Vinyl Chloride	75-01-4	N.D.	0.044	0.22	mg/kg	43.94
05446	Bromomethane	74-83-9	N.D.	0.088	0.22	mg/kg	43.94
05447	Chloroethane	75-00-3	N.D.	0.088	0.22	mg/kg	43.94
05448	Trichlorofluoromethane	75-69-4	N.D.	0.088	0.22	mg/kg	43.94
05449	1,1-Dichloroethene	75-35-4	N.D.	0.044	0.22	mg/kg	43.94
05450	Methylene Chloride	75-09-2	N.D.	0.088	0.22	mg/kg	43.94
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.044	0.22	mg/kg	43.94



Account Number: 12094

San Ramon CA 94583

As Received

6001 Bollinger Canyon Rd L4310

As Received

Chevron

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

Page 2 of 3

#### Lancaster Laboratories Sample No. SW 5190636

1001152-SB-2-7.5-8-101507 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/15/2007 14:46 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK2-7

CAT As Received Method Limit of Dilution Analysis Name CAS Number Result Detection Quantitation Units Factor No. Limit\* 05452 1,1-Dichloroethane 75-34-3 N.D. 0.044 0.22 mg/kg 43.94 05453 2,2-Dichloropropane 594-20-7 N.D. 0.044 0.22 mg/kg 43.94 05454 cis-1,2-Dichloroethene 156-59-2 N.D. 0.044 0.22 mg/kg 43.94 05455 Chloroform 67-66-3 N.D. 0.044 0.22 mg/kg 43.94 05456 Bromochloromethane 74-97-5 N.D. 0.044 0.22 mg/kg 43.94 05457 1,1,1-Trichloroethane 71-55-6 N.D. 0.044 0.22 mg/kg 43.94 05458 Carbon Tetrachloride 56-23-5 N.D. 0.044 0.22 mg/kg 43.94 1,1-Dichloropropene 05459 563-58-6 N.D. 0.044 0.22 mg/kg 43.94 N.D. 0.022 0.22 43.94 05460 Benzene 71-43-2 mg/kg 05461 1.2-Dichloroethane 107-06-2 N.D. 0.044 0.22 43.94 mq/kq Trichloroethene 79-01-6 N.D. 0.044 0.22 43.94 05462 mq/kq 05463 1,2-Dichloropropane 78-87-5 N.D. 0.044 0.22 43.94 mq/kq N.D. 0.044 0.22 05464 Dibromomethane 74-95-3 mq/kq 43.94 Bromodichloromethane N.D. 0.044 0.22 05465 75-27-4 43.94 mq/kq 05466 108-88-3 N.D. 0.044 0.22 mg/kg Toluene 43.94 1.1.2-Trichloroethane 79-00-5 N.D. 0.044 0.22 43.94 05467 ma/ka 05468 Tetrachloroethene 127-18-4 N.D. 0.044 0.22 ma/ka 43.94 142-28-9 0.22 05469 1.3-Dichloropropane N.D. 0.044 ma/ka 43.94 Dibromochloromethane N.D. 0.22 05470 124-48-1 0.044 43.94 ma/ka 1,2-Dibromoethane 106-93-4 N.D. 0.22 05471 0.044 43.94 mq/kq Chlorobenzene N.D. 0.22 05472 108-90-7 0.044 ma/ka 43.94 05473 1,1,1,2-Tetrachloroethane 630-20-6 N.D. 0.044 0.22 ma/ka 43.94 Ethylbenzene 0.62 0.044 0.22 43.94 05474 100-41-4 ma/ka m+p-Xylene 1330-20-7 2.3 0.044 0.22 43.94 05475 ma/ka o-Xylene 95-47-6 0.52 0.044 0.22 43.94 05476 ma/ka 05477 Styrene 100-42-5 N.D. 0.044 0.22 43.94 ma/ka 05478 Bromoform 75-25-2 N.D. 0.044 0.22 ma/ka 43.94 05479 Isopropylbenzene 98-82-8 0.63 0.044 0.22 mq/kq 43.94 05480 1,1,2,2-Tetrachloroethane 79-34-5 N.D. 0.044 0.22 mq/kq 43.94 05481 Bromobenzene 108-86-1 N.D. 0.044 0.22 mq/kq 43.94 05482 1,2,3-Trichloropropane 96-18-4 N.D. 0.044 0.22 mq/kq 43.94 05483 n-Propylbenzene 103-65-1 1.2 0.044 0.22 mq/kq 43.94 05484 2-Chlorotoluene 95-49-8 N.D. 0.044 0.22 mg/kg 43.94 1,3,5-Trimethylbenzene 05485 108-67-8 2.5 0.044 0.22 mg/kg 43.94 05486 4-Chlorotoluene 106-43-4 N.D. 0.044 0.22 mg/kg 43.94 tert-Butylbenzene 0.22 05487 98-06-6 N.D. 0.044 mg/kg 43.94 05488 1,2,4-Trimethylbenzene 95-63-6 5.6 0.044 0.22 mg/kg 43.94 sec-Butylbenzene 0.22 43.94 05489 135-98-8 0.60 0.044 ma/ka p-Isopropyltoluene 99-87-6 0.89 0.22 43.94 05490 0.044 ma/ka 05491 1,3-Dichlorobenzene 541-73-1 N.D. 0.044 0.22 ma/ka 43.94 05492 1,4-Dichlorobenzene 106-46-7 N.D. 0.044 0.22 ma/ka 43.94



Account Number: 12094

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

Chevron

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

Page 3 of 3

#### Lancaster Laboratories Sample No. SW 5190636

1001152-SB-2-7.5-8-101507 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/15/2007 14:46 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK2-7

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05493	n-Butylbenzene	104-51-8	0.86	0.044	0.22	mg/kg	43.94
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.044	0.22	mg/kg	43.94
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.088	0.22	mg/kg	43.94
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.044	0.22	mg/kg	43.94
05497	Hexachlorobutadiene	87-68-3	N.D.	0.088	0.22	mg/kg	43.94
05498	Naphthalene	91-20-3	0.52	0.044	0.22	mg/kg	43.94
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.044	0.22	mg/kg	43.94
	Ethanol was detected in the m	othod blank at	an octimated	appropriation of	- 7 5		

Ethanol was detected in the method blank at an estimated concentration of 7.5 mg/kg. The blank value was not subtracted from the analytical result. Ethanol is a contaminant in the methanol used to perform the high level extraction.

State of Washington Lab Certification No. C259

CAT		Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/22/2007 20:59	Linda C Pape	2111.4 9
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	10/23/2007 06:55	Matthew E Barton	1
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/25/2007 08:28	Stephanie A Selis	43.94
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	10/25/2007 08:28	Stephanie A Selis	43.94
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	10/15/2007 14:46	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	10/15/2007 14:46	Client Supplied	1
06647	GC Field Preserved MeOH	SW-846 5035A	1	10/15/2007 14:46	Client Supplied	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/21/2007 12:00	Mariam G Attalla	1
07579	GC/MS-Field PreservedMeOH- NC	SW-846 5035A	1	10/15/2007 14:46	Client Supplied	1



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

Page 1 of 3

#### Lancaster Laboratories Sample No. SW 5190638

#### 1001152-SB-4-6-7-101507 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/15/2007 17:13 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK4-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02005	TPH by NWTPH-Gx soils						
01659	TPH by NWTPH-Gx soils	n.a.	810.	89.	440.	mg/kg	2224.2
03983	EPA SW 846/8260 - Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.019	0.19	mg/kg	38.7
02017	di-Isopropyl ether	108-20-3	N.D.	0.039	0.19	mg/kg	38.7
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.039	0.19	mg/kg	38.7
02019	t-Amyl methyl ether	994-05-8	N.D.	0.039	0.19	mg/kg	38.7
02020	t-Butyl alcohol	75-65-0	N.D.	0.77	3.9	mg/kg	38.7
06089	Ethanol	64-17-5	5.0 J	3.9	19.	mg/kg	38.7
06293	Acetone	67-64-1	N.D.	0.27	0.77	mg/kg	38.7
06294	Carbon Disulfide	75-15-0	N.D.	0.039	0.19	mg/kg	38.7
06296	2-Butanone	78-93-3	N.D.	0.15	0.39	mg/kg	38.7
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.039	0.19	mg/kg	38.7
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.039	0.19	mg/kg	38.7
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.12	0.39	mg/kg	38.7
06300	2-Hexanone	591-78-6	N.D.	0.12	0.39	mg/kg	38.7
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.077	0.39	mg/kg	38.7
08199	Freon 113	76-13-1	N.D.	0.077	0.39	mg/kg	38.7
05441	EPA SW846/8260 (soil)						
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.077	0.19	mg/kg	38.7
05444	Chloromethane	74-87-3	N.D.	0.077	0.19	mg/kg	38.7
05445	Vinyl Chloride	75-01-4	N.D.	0.039	0.19	mg/kg	38.7
05446	Bromomethane	74-83-9	N.D.	0.077	0.19	mg/kg	38.7
05447	Chloroethane	75-00-3	N.D.	0.077	0.19	mg/kg	38.7
05448	Trichlorofluoromethane	75-69-4	N.D.	0.077	0.19	mg/kg	38.7
05449	1,1-Dichloroethene	75-35-4	N.D.	0.039	0.19	mg/kg	38.7
05450	Methylene Chloride	75-09-2	N.D.	0.077	0.19	mg/kg	38.7
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.039	0.19	mg/kg	38.7
05452	1,1-Dichloroethane	75-34-3	N.D.	0.039	0.19	mg/kg	38.7
05453	2,2-Dichloropropane	594-20-7	N.D.	0.039	0.19	mg/kg	38.7
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.039	0.19	mg/kg	38.7
05455	Chloroform	67-66-3	N.D.	0.039	0.19	mg/kg	38.7
05456	Bromochloromethane	74-97-5	N.D.	0.039	0.19	mg/kg	38.7
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.039	0.19	mg/kg	38.7



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

Page 2 of 3

### Lancaster Laboratories Sample No. SW 5190638

1001152-SB-4-6-7-101507 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/15/2007 17:13 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK4-6

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05458	Carbon Tetrachloride	56-23-5	N.D.	0.039	0.19	mg/kg	38.7
05459	1,1-Dichloropropene	563-58-6	N.D.	0.039	0.19	mg/kg	38.7
05460	Benzene	71-43-2	N.D.	0.019	0.19	mg/kg	38.7
05461	1,2-Dichloroethane	107-06-2	N.D.	0.039	0.19	mg/kg	38.7
05462	Trichloroethene	79-01-6	N.D.	0.039	0.19	mg/kg	38.7
05463	1,2-Dichloropropane	78-87-5	N.D.	0.039	0.19	mg/kg	38.7
05464	Dibromomethane	74-95-3	N.D.	0.039	0.19	mg/kg	38.7
05465	Bromodichloromethane	75-27-4	N.D.	0.039	0.19	mg/kg	38.7
05466	Toluene	108-88-3	N.D.	0.039	0.19	mg/kg	38.7
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.039	0.19	mg/kg	38.7
05468	Tetrachloroethene	127-18-4	N.D.	0.039	0.19	mg/kg	38.7
05469	1,3-Dichloropropane	142-28-9	N.D.	0.039	0.19	mg/kg	38.7
05470	Dibromochloromethane	124-48-1	N.D.	0.039	0.19	mg/kg	38.7
05471	1,2-Dibromoethane	106-93-4	N.D.	0.039	0.19	mg/kg	38.7
05472	Chlorobenzene	108-90-7	N.D.	0.039	0.19	mg/kg	38.7
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.039	0.19	mg/kg	38.7
05474	Ethylbenzene	100-41-4	0.26	0.039	0.19	mg/kg	38.7
05475	m+p-Xylene	1330-20-7	1.8	0.039	0.19	mg/kg	38.7
05476	o-Xylene	95-47-6	0.79	0.039	0.19	mg/kg	38.7
05477	Styrene	100-42-5	N.D.	0.039	0.19	mg/kg	38.7
05478	Bromoform	75-25-2	N.D.	0.039	0.19	mg/kg	38.7
05479	Isopropylbenzene	98-82-8	0.051 J	0.039	0.19	mg/kg	38.7
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.039	0.19	mg/kg	38.7
05481	Bromobenzene	108-86-1	N.D.	0.039	0.19	mg/kg	38.7
05482	1,2,3-Trichloropropane	96-18-4	N.D.	0.039	0.19	mg/kg	38.7
05483	n-Propylbenzene	103-65-1	0.24	0.039	0.19	mg/kg	38.7
05484	2-Chlorotoluene	95-49-8	N.D.	0.039	0.19	mg/kg	38.7
05485	1,3,5-Trimethylbenzene	108-67-8	1.0	0.039	0.19	mg/kg	38.7
05486	4-Chlorotoluene	106-43-4	N.D.	0.039	0.19	mg/kg	38.7
05487	tert-Butylbenzene	98-06-6	N.D.	0.039	0.19	mg/kg	38.7
05488	1,2,4-Trimethylbenzene	95-63-6	2.4	0.039	0.19	mg/kg	38.7
05489	sec-Butylbenzene	135-98-8	0.079 J	0.039	0.19	mg/kg	38.7
05490	p-Isopropyltoluene	99-87-6	0.13 J	0.039	0.19	mg/kg	38.7
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.039	0.19	mg/kg	38.7
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.039	0.19	mg/kg	38.7
05493	n-Butylbenzene	104-51-8	N.D.	0.039	0.19	mg/kg	38.7
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.039	0.19	mg/kg	38.7
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.077	0.19	mg/kg	38.7
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.039	0.19	mg/kg	38.7
05497	Hexachlorobutadiene	87-68-3	N.D.	0.077	0.19	mg/kg	38.7
05498	Naphthalene	91-20-3	0.24	0.039	0.19	mg/kg	38.7



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

Page 3 of 3

#### Lancaster Laboratories Sample No. SW 5190638

1001152-SB-4-6-7-101507 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/15/2007 17:13 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

As Received

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

As Received

				No received	NB VECELVED			
CAT			As Received	Method	Limit of		Dilution	
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor	
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.039	0.19	mg/kg	38.7	
	Ethanol was detected in the met mg/kg. The blank value was not is a contaminant in the methano	subtracted fr	om the analyti	cal result. Et	hanol			

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

		Laboracory	CIII O			
CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/22/2007 19:19	Linda C Pape	2224.2
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/25/2007 09:13	Stephanie A Selis	38.7
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	10/25/2007 09:13	Stephanie A Selis	38.7
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	10/15/2007 17:13	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	10/15/2007 17:13	Client Supplied	1
06647	GC Field Preserved MeOH	SW-846 5035A	1	10/15/2007 17:13	Client Supplied	n.a.
07579	GC/MS-Field PreservedMeOH- NC	SW-846 5035A	1	10/15/2007 17:13	Client Supplied	1



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

Page 1 of 1

#### Lancaster Laboratories Sample No. WW 5190640

1001152-TMW2-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 16:40 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKTM2

CAT			As Received	As Received Method	As Received Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
06035	Lead	7439-92-1	2.0	0.047	1.0	ug/l	1

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

		Laboratory	Chro	nicle		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06035	Lead	SW-846 6020	1	11/06/2007 10:12	James R Williams II	1
06050	ICP/MS SW-846 Water	SW-846 3010A modified	1	11/01/2007 13:10	Mirit S Shenouda	1



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

Page 1 of 1

#### Lancaster Laboratories Sample No. WW 5190641

1001152-TMW5-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 15:05 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKTM5

CAT			As Received	As Received Method	As Received Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
06035	Lead	7439-92-1	N.D.	0.047	1.0	ug/l	1

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

		Laboratory	Chro	nicle		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06035	Lead	SW-846 6020	1	11/06/2007 10:15	James R Williams II	1
06050	ICP/MS SW-846 Water	SW-846 3010A modified	1	11/01/2007 13:10	Mirit S Shenouda	1



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

Page 1 of 4

#### Lancaster Laboratories Sample No. SW 5190643

1001152-SB7-6-6.5-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 08:48 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK7-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06135	Lead	7439-92-1	9.17	0.149	0.990	mg/kg	10
02005	TPH by NWTPH-Gx soils						
01659	TPH by NWTPH-Gx soils	n.a.	770.	40.	200.	mg/kg	1000
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097	Diesel Range Organics	n.a.	180.	3.0	7.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	30.	mg/kg	1
02858	Selected SVOA's in soil by SIM						
02863	Naphthalene	91-20-3	0.79	0.013	0.033	mg/kg	20
02864	2-Methylnaphthalene	91-57-6	1.6	0.013	0.033	mg/kg	20
02867	Acenaphthylene	208-96-8	N.D.	0.010	0.010	mg/kg	1
02868	Acenaphthene	83-32-9	0.015	0.00067	0.0017	mg/kg	1
02870	Fluorene	86-73-7	0.048	0.00067	0.0017	mg/kg	1
02871	Phenanthrene	85-01-8	0.036	0.00067	0.0017	mg/kg	1
02872	Anthracene	120-12-7	0.0044	0.00033	0.0017	mg/kg	1
02874	Fluoranthene	206-44-0	0.0017 J	0.00067	0.0017	mg/kg	1
02875	Pyrene	129-00-0	0.0021	0.00067	0.0017	mg/kg	1
02876	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	mg/kg	1
02877	Chrysene	218-01-9	0.0011 J	0.00033	0.0017	mg/kg	1
02878	Benzo(b)fluoranthene	205-99-2	0.00099 J	0.00067	0.0017	mg/kg	1
02879	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	mg/kg	1
02880	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	mg/kg	1
02881	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	mg/kg	1
02882	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	mg/kg	1
02883	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	mg/kg	1
	The surrogate data is outside t			lvable matrix			
	muchleme and dank in the second	~ h					

problems evident in the sample chromatogram.

Due to the presence of an interferent near the retention time of acenaphthylene, the reporting limit was raised. This was due to the fact that the interferent had a significant abundance of ions at or near the mass of acenaphthylene.

03983 EPA SW 846/8260 - Soil



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

Page 2 of 4

### Lancaster Laboratories Sample No. SW 5190643

1001152-SB7-6-6.5-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 08:48 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK7-6

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.022	0.22	mg/kg	44.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.044	0.22	mg/kg	44.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.044	0.22	mg/kg	44.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.044	0.22	mg/kg	44.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.88	4.4	mg/kg	44.01
06089	Ethanol	64-17-5	5.8 J	4.4	22.	mg/kg	44.01
06293	Acetone	67-64-1	N.D.	0.31	0.88	mg/kg	44.01
06294	Carbon Disulfide	75-15-0	N.D.	0.044	0.22	mg/kg	44.01
06296	2-Butanone	78-93-3	N.D.	0.18	0.44	mg/kg	44.01
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.044	0.22	mg/kg	44.01
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.044	0.22	mg/kg	44.01
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.13	0.44	mg/kg	44.01
06300	2-Hexanone	591-78-6	N.D.	0.13	0.44	mg/kg	44.01
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.088	0.44	mg/kg	44.01
08199	Freon 113	76-13-1	N.D.	0.088	0.44	mg/kg	44.01
05441	EPA SW846/8260 (soil)						
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.088	0.22	mg/kg	44.01
05444	Chloromethane	74-87-3	N.D.	0.088	0.22	mg/kg	44.01
05445	Vinyl Chloride	75-01-4	N.D.	0.044	0.22	mg/kg	44.01
05446	Bromomethane	74-83-9	N.D.	0.088	0.22	mg/kg	44.01
05447	Chloroethane	75-00-3	N.D.	0.088	0.22	mg/kg	44.01
05448	Trichlorofluoromethane	75-69-4	N.D.	0.088	0.22	mg/kg	44.01
05449	1,1-Dichloroethene	75-35-4	N.D.	0.044	0.22	mg/kg	44.01
05450	Methylene Chloride	75-09-2	N.D.	0.088	0.22	mg/kg	44.01
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.044	0.22	mg/kg	44.01
05452	1,1-Dichloroethane	75-34-3	N.D.	0.044	0.22	mg/kg	44.01
05453	2,2-Dichloropropane	594-20-7	N.D.	0.044	0.22	mg/kg	44.01
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.044	0.22	mg/kg	44.01
05455	Chloroform	67-66-3	N.D.	0.044	0.22	mg/kg	44.01
05456	Bromochloromethane	74-97-5	N.D.	0.044	0.22	mg/kg	44.01
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.044	0.22	mg/kg	44.01
05458	Carbon Tetrachloride	56-23-5	N.D.	0.044	0.22	mg/kg	44.01
05459	1,1-Dichloropropene	563-58-6	N.D.	0.044	0.22	mg/kg	44.01
05460	Benzene	71-43-2	N.D.	0.022	0.22	mg/kg	44.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.044	0.22	mg/kg	44.01
05462	Trichloroethene	79-01-6	N.D.	0.044	0.22	mg/kg	44.01
05463	1,2-Dichloropropane	78-87-5	N.D.	0.044	0.22	mg/kg	44.01
05464	Dibromomethane	74-95-3	N.D.	0.044	0.22	mg/kg	44.01



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

Page 3 of 4

#### Lancaster Laboratories Sample No. SW 5190643

1001152-SB7-6-6.5-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 08:48 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK7-6

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05465	Bromodichloromethane	75-27-4	N.D.	0.044	0.22	mg/kg	44.01
05466	Toluene	108-88-3	N.D.	0.044	0.22	mg/kg	44.01
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.044	0.22	mg/kg	44.01
05468	Tetrachloroethene	127-18-4	N.D.	0.044	0.22	mg/kg	44.01
05469	1,3-Dichloropropane	142-28-9	N.D.	0.044	0.22	mg/kg	44.01
05470	Dibromochloromethane	124-48-1	N.D.	0.044	0.22	mg/kg	44.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.044	0.22	mg/kg	44.01
05472	Chlorobenzene	108-90-7	N.D.	0.044	0.22	mg/kg	44.01
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.044	0.22	mg/kg	44.01
05474	Ethylbenzene	100-41-4	0.66	0.044	0.22	mg/kg	44.01
05475	m+p-Xylene	1330-20-7	5.9	0.044	0.22	mg/kg	44.01
05476	o-Xylene	95-47-6	1.7	0.044	0.22	mg/kg	44.01
05477	Styrene	100-42-5	N.D.	0.044	0.22	mg/kg	44.01
05478	Bromoform	75-25-2	N.D.	0.044	0.22	mg/kg	44.01
05479	Isopropylbenzene	98-82-8	1.5	0.044	0.22	mg/kg	44.01
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.044	0.22	mg/kg	44.01
05481	Bromobenzene	108-86-1	N.D.	0.044	0.22	mg/kg	44.01
05482	1,2,3-Trichloropropane	96-18-4	N.D.	0.044	0.22	mg/kg	44.01
05483	n-Propylbenzene	103-65-1	2.1	0.044	0.22	mg/kg	44.01
05484	2-Chlorotoluene	95-49-8	N.D.	0.044	0.22	mg/kg	44.01
05485	1,3,5-Trimethylbenzene	108-67-8	4.3	0.044	0.22	mg/kg	44.01
05486	4-Chlorotoluene	106-43-4	N.D.	0.044	0.22	mg/kg	44.01
05487	tert-Butylbenzene	98-06-6	N.D.	0.044	0.22	mg/kg	44.01
05488	1,2,4-Trimethylbenzene	95-63-6	11.	0.044	0.22	mg/kg	44.01
05489	sec-Butylbenzene	135-98-8	1.2	0.044	0.22	mg/kg	44.01
05490	p-Isopropyltoluene	99-87-6	1.8	0.044	0.22	mg/kg	44.01
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.044	0.22	mg/kg	44.01
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.044	0.22	mg/kg	44.01
05493	n-Butylbenzene	104-51-8	1.7	0.044	0.22	mg/kg	44.01
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.044	0.22	mg/kg	44.01
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.088	0.22	mg/kg	44.01
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.044	0.22	mg/kg	44.01
05497	Hexachlorobutadiene	87-68-3	N.D.	0.088	0.22	mg/kg	44.01
05498	Naphthalene	91-20-3	1.8	0.044	0.22	mg/kg	44.01
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.044	0.22	mg/kg	44.01
	Ethanol was detected in the me	ethod blank at	an estimated	concentration of	E 7.5		

Ethanol was detected in the method blank at an estimated concentration of 7.5 mg/kg. The blank value was not subtracted from the analytical result. Ethanol is a contaminant in the methanol used to perform the high level extraction.

State of Washington Lab Certification No. C259



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

Page 4 of 4

\_ . . . . .

#### Lancaster Laboratories Sample No. SW 5190643

1001152-SB7-6-6.5-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 08:48 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK7-6

----

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor

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				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06135	Lead	SW-846 6020	1	11/05/2007 19:41	David K Beck	10
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/31/2007 19:10	Linda C Pape	1000
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/09/2007 09:39	Heather E Williams	1
02858	Selected SVOA's in soil by SIM	SW-846 8270C SIM	1	10/23/2007 21:42	William T Parker	1
02858	Selected SVOA's in soil by SIM	SW-846 8270C SIM	1	10/31/2007 06:20	William T Parker	20
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/25/2007 09:59	Stephanie A Selis	44.01
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	10/25/2007 09:59	Stephanie A Selis	44.01
00381	BNA Soil Extraction	SW-846 3550B	1	10/22/2007 16:50	Adrienne E Fellenbau	n 1
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/30/2007 15:53	Robin L Rochow	n.a.
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	10/17/2007 08:48	Client Supplied	1
06150	ICP/MS SW-846 Solid digest	SW-846 3050B	1	11/01/2007 20:20	Annamaria Stipkovits	1
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 22:50	Karen L Beyer	1
07579	GC/MS-Field PreservedMeOH- NC	SW-846 5035A	1	10/17/2007 08:48	Client Supplied	1
07579	GC/MS-Field PreservedMeOH- NC	SW-846 5035A	2	10/17/2007 08:48	Client Supplied	1



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

Page 1 of 4

### Lancaster Laboratories Sample No. SW 5190644

1001152-SB9-6-6.5-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 08:29 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK9-6

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
06135	Lead	7439-92-1	8.37	0.146	0.971	mg/kg	10
02005	TPH by NWTPH-Gx soils						
01659	TPH by NWTPH-Gx soils	n.a.	1,200.	200.	1,000.	mg/kg	5000
02858	Selected SVOA's in soil by SIM						
02863	Naphthalene	91-20-3	0.33	0.0013	0.0033	mg/kg	1
02867	Acenaphthylene	208-96-8	N.D.	0.00067	0.0033	mg/kg	1
02868	Acenaphthene	83-32-9	0.0021 J	0.0013	0.0033	mg/kg	1
02870	Fluorene	86-73-7	0.0062	0.0013	0.0033	mg/kg	1
02871	Phenanthrene	85-01-8	0.0043	0.0013	0.0033	mg/kg	1
02872	Anthracene	120-12-7	0.00081 J	0.00067	0.0033	mg/kg	1
02874	Fluoranthene	206-44-0	N.D.	0.0013	0.0033	mg/kg	1
02875	Pyrene	129-00-0	N.D.	0.0013	0.0033	mg/kg	1
02876	Benzo(a)anthracene	56-55-3	N.D.	0.0013	0.0033	mg/kg	1
02877	Chrysene	218-01-9	N.D.	0.00067	0.0033	mg/kg	1
02878	Benzo(b)fluoranthene	205-99-2	N.D.	0.0013	0.0033	mg/kg	1
02879	Benzo(k)fluoranthene	207-08-9	N.D.	0.0013	0.0033	mg/kg	1
02880	Benzo(a)pyrene	50-32-8	N.D.	0.0013	0.0033	mg/kg	1
02881	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0013	0.0033	mg/kg	1
02882	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0013	0.0033	mg/kg	1
02883	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0013	0.0033	mg/kg	1
	Surrogate recoveries are outsid semivolatile analysis. The ana hold time and the surrogate rec reported is from the initial es	alysis was rep coveries are v	peated outside within the limi	of the required			
	Due to sample matrix interferen normal reporting limits were no		during the ext	craction, the			
03983	EPA SW 846/8260 - Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	mg/kg	49.21
02010	di-Isopropyl ether	108-20-3	N.D.	0.049	0.25	mg/kg	49.21
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.049	0.25	mg/kg	49.21
02019	t-Amyl methyl ether	994-05-8	N.D.	0.049	0.25	mg/kg	49.21
02020	t-Butyl alcohol	75-65-0	N.D.	0.98	4.9	mg/kg	49.21



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

Page 2 of 4

### Lancaster Laboratories Sample No. SW 5190644

1001152-SB9-6-6.5-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 08:29 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK9-6

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

1109 0				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
06089	Ethanol	64-17-5	6.7 J	4.9	25.	mg/kg	49.21
06293	Acetone	67-64-1	N.D.	0.34	0.98	mg/kg	49.21
06294	Carbon Disulfide	75-15-0	N.D.	0.049	0.25	mg/kg	49.21
06296	2-Butanone	78-93-3	N.D.	0.20	0.49	mg/kg	49.21
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.049	0.25	mg/kg	49.21
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.049	0.25	mg/kg	49.21
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.15	0.49	mg/kg	49.21
06300	2-Hexanone	591-78-6	N.D.	0.15	0.49	mg/kg	49.21
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.098	0.49	mg/kg	49.21
08199	Freon 113	76-13-1	N.D.	0.098	0.49	mg/kg	49.21
05441	EPA SW846/8260 (soil)						
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.098	0.25	mg/kg	49.21
05444	Chloromethane	74-87-3	N.D.	0.098	0.25	mg/kg	49.21
05445	Vinyl Chloride	75-01-4	N.D.	0.049	0.25	mg/kg	49.21
05446	Bromomethane	74-83-9	N.D.	0.098	0.25	mg/kg	49.21
05447	Chloroethane	75-00-3	N.D.	0.098	0.25	mg/kg	49.21
05448	Trichlorofluoromethane	75-69-4	N.D.	0.098	0.25	mg/kg	49.21
05449	1,1-Dichloroethene	75-35-4	N.D.	0.049	0.25	mg/kg	49.21
05450	Methylene Chloride	75-09-2	N.D.	0.098	0.25	mg/kg	49.21
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.049	0.25	mg/kg	49.21
05452	1,1-Dichloroethane	75-34-3	N.D.	0.049	0.25	mg/kg	49.21
05453	2,2-Dichloropropane	594-20-7	N.D.	0.049	0.25	mg/kg	49.21
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.049	0.25	mg/kg	49.21
05455	Chloroform	67-66-3	N.D.	0.049	0.25	mg/kg	49.21
05456	Bromochloromethane	74-97-5	N.D.	0.049	0.25	mg/kg	49.21
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.049	0.25	mg/kg	49.21
05458	Carbon Tetrachloride	56-23-5	N.D.	0.049	0.25	mg/kg	49.21
05459	1,1-Dichloropropene	563-58-6	N.D.	0.049	0.25	mg/kg	49.21
05460	Benzene	71-43-2	0.038 J	0.025	0.25	mg/kg	49.21
05461	1,2-Dichloroethane	107-06-2	N.D.	0.049	0.25	mg/kg	49.21
05462	Trichloroethene	79-01-6	N.D.	0.049	0.25	mg/kg	49.21
05463	1,2-Dichloropropane	78-87-5	N.D.	0.049	0.25	mg/kg	49.21
05464	Dibromomethane	74-95-3	N.D.	0.049	0.25	mg/kg	49.21
05465	Bromodichloromethane	75-27-4	N.D.	0.049	0.25	mg/kg	49.21
05466	Toluene	108-88-3	N.D.	0.049	0.25	mg/kg	49.21
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.049	0.25	mg/kg	49.21
05468	Tetrachloroethene	127-18-4	N.D.	0.049	0.25	mg/kg	49.21
05469	1,3-Dichloropropane	142-28-9	N.D.	0.049	0.25	mg/kg	49.21
05470	Dibromochloromethane	124-48-1	N.D.	0.049	0.25	mg/kg	49.21



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

Page 3 of 4

#### Lancaster Laboratories Sample No. SW 5190644

1001152-SB9-6-6.5-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 08:29 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK9-6

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05471	1,2-Dibromoethane	106-93-4	N.D.	0.049	0.25	mg/kg	49.21
05472	Chlorobenzene	108-90-7	N.D.	0.049	0.25	mg/kg	49.21
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.049	0.25	mg/kg	49.21
05474	Ethylbenzene	100-41-4	1.7	0.049	0.25	mg/kg	49.21
05475	m+p-Xylene	1330-20-7	25.	0.049	0.25	mg/kg	49.21
05476	o-Xylene	95-47-6	6.0	0.049	0.25	mg/kg	49.21
05477	Styrene	100-42-5	N.D.	0.049	0.25	mg/kg	49.21
05478	Bromoform	75-25-2	N.D.	0.049	0.25	mg/kg	49.21
05479	Isopropylbenzene	98-82-8	4.1	0.049	0.25	mg/kg	49.21
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.049	0.25	mg/kg	49.21
05481	Bromobenzene	108-86-1	N.D.	0.049	0.25	mg/kg	49.21
05482	1,2,3-Trichloropropane	96-18-4	3.6	0.049	0.25	mg/kg	49.21
05483	n-Propylbenzene	103-65-1	5.2	0.049	0.25	mg/kg	49.21
05484	2-Chlorotoluene	95-49-8	N.D.	0.049	0.25	mg/kg	49.21
05485	1,3,5-Trimethylbenzene	108-67-8	8.0	0.049	0.25	mg/kg	49.21
05486	4-Chlorotoluene	106-43-4	N.D.	0.049	0.25	mg/kg	49.21
05487	tert-Butylbenzene	98-06-6	0.15 J	0.049	0.25	mg/kg	49.21
05488	1,2,4-Trimethylbenzene	95-63-6	26.	0.49	2.5	mg/kg	492.13
05489	sec-Butylbenzene	135-98-8	2.9	0.049	0.25	mg/kg	49.21
05490	p-Isopropyltoluene	99-87-6	3.5	0.049	0.25	mg/kg	49.21
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.049	0.25	mg/kg	49.21
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.049	0.25	mg/kg	49.21
05493	n-Butylbenzene	104-51-8	3.2	0.049	0.25	mg/kg	49.21
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.049	0.25	mg/kg	49.21
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.098	0.25	mg/kg	49.21
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.049	0.25	mg/kg	49.21
05497	Hexachlorobutadiene	87-68-3	N.D.	0.098	0.25	mg/kg	49.21
05498	Naphthalene	91-20-3	5.6	0.049	0.25	mg/kg	49.21
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.049	0.25	mg/kg	49.21
	Ethanol was detected in the mo	ethod blank at	an estimated (	concentration of	F 8 0		

Ethanol was detected in the method blank at an estimated concentration of 8.0 mg/kg. The blank value was not subtracted from the analytical result. Ethanol is a contaminant in the methanol used to perform the high level extraction.

State of Washington Lab Certification No. C259



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

Page 4 of 4

#### 5190644 Lancaster Laboratories Sample No. SW

1001152-SB9-6-6.5-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 08:29 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK9-6

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

		Laboratory	Chro			
CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06135	Lead	SW-846 6020	1	11/05/2007 19:44	David K Beck	10
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/31/2007 08:50	Linda C Pape	5000
02858	Selected SVOA's in soil by SIM	SW-846 8270C SIM	1	10/31/2007 06:47	William T Parker	1
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/26/2007 07:41	Susan McMahon-Luu	49.21
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	10/25/2007 10:44	Stephanie A Selis	492.13
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	10/26/2007 07:41	Susan McMahon-Luu	49.21
00381	BNA Soil Extraction	SW-846 3550B	1	10/22/2007 16:50	Adrienne E Fellenbaum	1 1
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/30/2007 15:56	Lois E Hiltz	n.a.
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	10/17/2007 08:29	Client Supplied	1
06150	ICP/MS SW-846 Solid digest	SW-846 3050B	1	11/01/2007 20:20	Annamaria Stipkovits	1
07579	GC/MS-Field PreservedMeOH- NC	SW-846 5035A	1	10/17/2007 08:29	Client Supplied	1
07579	GC/MS-Field PreservedMeOH- NC	SW-846 5035A	2	10/17/2007 08:29	Client Supplied	1



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

Page 1 of 3

### Lancaster Laboratories Sample No. SW 5190645

#### 1001152-SB9-3-4-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 08:23 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK9-3

CAT No.	Analysis Name	CAS Number	As Rece Result	ived	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02005	TPH by NWTPH-Gx soils							
01659	TPH by NWTPH-Gx soils	n.a.	1,400.		200.	1,000.	mg/kg	5000
02214	TPH by NWTPH-Dx(soils) w/SiGel							
02097	Diesel Range Organics	n.a.	3.2	J	3.0	7.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.		10.	30.	mg/kg	1
03983	EPA SW 846/8260 - Soil							
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.021	0.21	mg/kg	42.66
02017	di-Isopropyl ether	108-20-3	N.D.		0.043	0.21	mg/kg	42.66
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.043	0.21	mg/kg	42.66
02019	t-Amyl methyl ether	994-05-8	N.D.		0.043	0.21	mg/kg	42.66
02020	t-Butyl alcohol	75-65-0	N.D.		0.85	4.3	mg/kg	42.66
06089	Ethanol	64-17-5	5.6	J	4.3	21.	mg/kg	42.66
06293	Acetone	67-64-1	N.D.		0.30	0.85	mg/kg	42.66
06294	Carbon Disulfide	75-15-0	N.D.		0.043	0.21	mg/kg	42.66
06296	2-Butanone	78-93-3	N.D.		0.17	0.43	mg/kg	42.66
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.043	0.21	mg/kg	42.66
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.043	0.21	mg/kg	42.66
06299	4-Methyl-2-pentanone	108-10-1	N.D.		0.13	0.43	mg/kg	42.66
06300	2-Hexanone	591-78-6	N.D.		0.13	0.43	mg/kg	42.66
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		0.085	0.43	mg/kg	42.66
08199	Freon 113	76-13-1	N.D.		0.085	0.43	mg/kg	42.66
05441	EPA SW846/8260 (soil)							
05443	Dichlorodifluoromethane	75-71-8	N.D.		0.085	0.21	mg/kg	42.66
05444	Chloromethane	74-87-3	N.D.		0.085	0.21	mg/kg	42.66
05445	Vinyl Chloride	75-01-4	N.D.		0.043	0.21	mg/kg	42.66
05446	Bromomethane	74-83-9	N.D.		0.085	0.21	mg/kg	42.66
05447	Chloroethane	75-00-3	N.D.		0.085	0.21	mg/kg	42.66
05448	Trichlorofluoromethane	75-69-4	N.D.		0.085	0.21	mg/kg	42.66
05449	1,1-Dichloroethene	75-35-4	N.D.		0.043	0.21	mg/kg	42.66
05450	Methylene Chloride	75-09-2	N.D.		0.085	0.21	mg/kg	42.66
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		0.043	0.21	mg/kg	42.66



Account Number: 12094

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

Chevron

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

Page 2 of 3

### Lancaster Laboratories Sample No. SW 5190645

1001152-SB9-3-4-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 08:23 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK9-3

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05452	1,1-Dichloroethane	75-34-3	N.D.	0.043	0.21	mg/kg	42.66
05453	2,2-Dichloropropane	594-20-7	N.D.	0.043	0.21	mg/kg	42.66
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.043	0.21	mg/kg	42.66
05455	Chloroform	67-66-3	N.D.	0.043	0.21	mg/kg	42.66
05456	Bromochloromethane	74-97-5	N.D.	0.043	0.21	mg/kg	42.66
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.043	0.21	mg/kg	42.66
05458	Carbon Tetrachloride	56-23-5	N.D.	0.043	0.21	mg/kg	42.66
05459	1,1-Dichloropropene	563-58-6	N.D.	0.043	0.21	mg/kg	42.66
05460	Benzene	71-43-2	N.D.	0.021	0.21	mg/kg	42.66
05461	1,2-Dichloroethane	107-06-2	N.D.	0.043	0.21	mg/kg	42.66
05462	Trichloroethene	79-01-6	N.D.	0.043	0.21	mg/kg	42.66
05463	1,2-Dichloropropane	78-87-5	N.D.	0.043	0.21	mg/kg	42.66
05464	Dibromomethane	74-95-3	N.D.	0.043	0.21	mg/kg	42.66
05465	Bromodichloromethane	75-27-4	N.D.	0.043	0.21	mg/kg	42.66
05466	Toluene	108-88-3	N.D.	0.043	0.21	mg/kg	42.66
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.043	0.21	mg/kg	42.66
05468	Tetrachloroethene	127-18-4	N.D.	0.043	0.21	mg/kg	42.66
05469	1,3-Dichloropropane	142-28-9	N.D.	0.043	0.21	mg/kg	42.66
05470	Dibromochloromethane	124-48-1	N.D.	0.043	0.21	mg/kg	42.66
05471	1,2-Dibromoethane	106-93-4	N.D.	0.043	0.21	mg/kg	42.66
05472	Chlorobenzene	108-90-7	N.D.	0.043	0.21	mg/kg	42.66
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.043	0.21	mg/kg	42.66
05474	Ethylbenzene	100-41-4	0.21 J	0.043	0.21	mg/kg	42.66
05475	m+p-Xylene	1330-20-7	1.9	0.043	0.21	mg/kg	42.66
05476	o-Xylene	95-47-6	0.72	0.043	0.21	mg/kg	42.66
05477	Styrene	100-42-5	N.D.	0.043	0.21	mg/kg	42.66
05478	Bromoform	75-25-2	N.D.	0.043	0.21	mg/kg	42.66
05479	Isopropylbenzene	98-82-8	1.4	0.043	0.21	mg/kg	42.66
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.043	0.21	mg/kg	42.66
05481	Bromobenzene	108-86-1	N.D.	0.043	0.21	mg/kg	42.66
05482	1,2,3-Trichloropropane	96-18-4	N.D.	0.043	0.21	mg/kg	42.66
05483	n-Propylbenzene	103-65-1	1.9	0.043	0.21	mg/kg	42.66
05484	2-Chlorotoluene	95-49-8	N.D.	0.043	0.21	mg/kg	42.66
05485	1,3,5-Trimethylbenzene	108-67-8	3.5	0.043	0.21	mg/kg	42.66
05486	4-Chlorotoluene	106-43-4	N.D.	0.043	0.21	mg/kg	42.66
05487	tert-Butylbenzene	98-06-6	N.D.	0.043	0.21	mg/kg	42.66
05488	1,2,4-Trimethylbenzene	95-63-6	8.3	0.043	0.21	mg/kg	42.66
05489	sec-Butylbenzene	135-98-8	1.7	0.043	0.21	mg/kg	42.66
05490	p-Isopropyltoluene	99-87-6	2.2	0.043	0.21	mg/kg	42.66
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.043	0.21	mg/kg	42.66
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.043	0.21	mg/kg	42.66



Account Number: 12094

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

Chevron

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

Page 3 of 3

#### Lancaster Laboratories Sample No. SW 5190645

1001152-SB9-3-4-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 08:23 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK9-3

169-3				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05493	n-Butylbenzene	104-51-8	1.5	0.043	0.21	mg/kg	42.66
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.043	0.21	mg/kg	42.66
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.085	0.21	mg/kg	42.66
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.043	0.21	mg/kg	42.66
05497	Hexachlorobutadiene	87-68-3	N.D.	0.085	0.21	mg/kg	42.66
05498	Naphthalene	91-20-3	2.5	0.043	0.21	mg/kg	42.66
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.043	0.21	mg/kg	42.66
	Ethanol was detected in the m	othod blank at	an octimated	appropriation of	F 7 F		

Ethanol was detected in the method blank at an estimated concentration of 7.5 mg/kg. The blank value was not subtracted from the analytical result. Ethanol is a contaminant in the methanol used to perform the high level extraction.

State of Washington Lab Certification No. C259

Laboratory Chronicle							
CAT				Analysis		Dilution	
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/31/2007 09:30	Linda C Pape	5000	
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/09/2007 09:58	Heather E Williams	1	
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/25/2007 11:07	Stephanie A Selis	42.66	
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	10/25/2007 11:07	Stephanie A Selis	42.66	
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/30/2007 15:59	Lois E Hiltz	n.a.	
06171	GC/MS - Field Preserved MeOH	SW-846 5035A	1	10/17/2007 08:23	Client Supplied	1	
06171	GC/MS - Field Preserved MeOH	SW-846 5035A	2	10/17/2007 08:23	Client Supplied	1	
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 22:50	Karen L Beyer	1	



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

Page 1 of 3

### Lancaster Laboratories Sample No. SW 5190647

1001152-SB5-6-6.5-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 09:21 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK5-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02005	TPH by NWTPH-Gx soils						
01659	TPH by NWTPH-Gx soils	n.a.	210.	20.	100.	mg/kg	500
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097	Diesel Range Organics	n.a.	43.	3.0	7.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	30.	mg/kg	1
03983	EPA SW 846/8260 - Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	mg/kg	52.97
02017	di-Isopropyl ether	108-20-3	N.D.	0.053	0.26	mg/kg	52.97
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.053	0.26	mg/kg	52.97
02019	t-Amyl methyl ether	994-05-8	N.D.	0.053	0.26	mg/kg	52.97
02020	t-Butyl alcohol	75-65-0	N.D.	1.1	5.3	mg/kg	52.97
06089	Ethanol	64-17-5	6.4 J	5.3	26.	mg/kg	52.97
06293	Acetone	67-64-1	N.D.	0.37	1.1	mg/kg	52.97
06294	Carbon Disulfide	75-15-0	N.D.	0.053	0.26	mg/kg	52.97
06296	2-Butanone	78-93-3	N.D.	0.21	0.53	mg/kg	52.97
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.053	0.26	mg/kg	52.97
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.053	0.26	mg/kg	52.97
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.16	0.53	mg/kg	52.97
06300	2-Hexanone	591-78-6	N.D.	0.16	0.53	mg/kg	52.97
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.11	0.53	mg/kg	52.97
08199	Freon 113	76-13-1	N.D.	0.11	0.53	mg/kg	52.97
05441	EPA SW846/8260 (soil)						
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.11	0.26	mg/kg	52.97
05444	Chloromethane	74-87-3	N.D.	0.11	0.26	mg/kg	52.97
05445	Vinyl Chloride	75-01-4	N.D.	0.053	0.26	mg/kg	52.97
05446	Bromomethane	74-83-9	N.D.	0.11	0.26	mg/kg	52.97
05447	Chloroethane	75-00-3	N.D.	0.11	0.26	mg/kg	52.97
05448	Trichlorofluoromethane	75-69-4	N.D.	0.11	0.26	mg/kg	52.97
05449	1,1-Dichloroethene	75-35-4	N.D.	0.053	0.26	mg/kg	52.97
05450	Methylene Chloride	75-09-2	N.D.	0.11	0.26	mg/kg	52.97
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.053	0.26	mg/kg	52.97



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

Page 2 of 3

### Lancaster Laboratories Sample No. SW 5190647

1001152-SB5-6-6.5-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 09:21 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK5-6

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

1110 0				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05452	1,1-Dichloroethane	75-34-3	N.D.	0.053	0.26	mg/kg	52.97
05453	2,2-Dichloropropane	594-20-7	N.D.	0.053	0.26	mg/kg	52.97
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.053	0.26	mg/kg	52.97
05455	Chloroform	67-66-3	N.D.	0.053	0.26	mg/kg	52.97
05456	Bromochloromethane	74-97-5	N.D.	0.053	0.26	mg/kg	52.97
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.053	0.26	mg/kg	52.97
05458	Carbon Tetrachloride	56-23-5	N.D.	0.053	0.26	mg/kg	52.97
05459	1,1-Dichloropropene	563-58-6	N.D.	0.053	0.26	mg/kg	52.97
05460	Benzene	71-43-2	N.D.	0.026	0.26	mg/kg	52.97
05461	1,2-Dichloroethane	107-06-2	N.D.	0.053	0.26	mg/kg	52.97
05462	Trichloroethene	79-01-6	N.D.	0.053	0.26	mg/kg	52.97
05463	1,2-Dichloropropane	78-87-5	N.D.	0.053	0.26	mg/kg	52.97
05464	Dibromomethane	74-95-3	N.D.	0.053	0.26	mg/kg	52.97
05465	Bromodichloromethane	75-27-4	N.D.	0.053	0.26	mg/kg	52.97
05466	Toluene	108-88-3	N.D.	0.053	0.26	mg/kg	52.97
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.053	0.26	mg/kg	52.97
05468	Tetrachloroethene	127-18-4	N.D.	0.053	0.26	mg/kg	52.97
05469	1,3-Dichloropropane	142-28-9	N.D.	0.053	0.26	mg/kg	52.97
05470	Dibromochloromethane	124-48-1	N.D.	0.053	0.26	mg/kg	52.97
05471	1,2-Dibromoethane	106-93-4	N.D.	0.053	0.26	mg/kg	52.97
05472	Chlorobenzene	108-90-7	N.D.	0.053	0.26	mg/kg	52.97
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.053	0.26	mg/kg	52.97
05474	Ethylbenzene	100-41-4	0.086 J	0.053	0.26	mg/kg	52.97
05475	m+p-Xylene	1330-20-7	0.46	0.053	0.26	mg/kg	52.97
05476	o-Xylene	95-47-6	0.057 J	0.053	0.26	mg/kg	52.97
05477	Styrene	100-42-5	N.D.	0.053	0.26	mg/kg	52.97
05478	Bromoform	75-25-2	N.D.	0.053	0.26	mg/kg	52.97
05479	Isopropylbenzene	98-82-8	0.21 J	0.053	0.26	mg/kg	52.97
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.053	0.26	mg/kg	52.97
05481	Bromobenzene	108-86-1	N.D.	0.053	0.26	mg/kg	52.97
05482	1,2,3-Trichloropropane	96-18-4	N.D.	0.053	0.26	mg/kg	52.97
05483	n-Propylbenzene	103-65-1	0.44	0.053	0.26	mg/kg	52.97
05484	2-Chlorotoluene	95-49-8	N.D.	0.053	0.26	mg/kg	52.97
05485	1,3,5-Trimethylbenzene	108-67-8	0.94	0.053	0.26	mg/kg	52.97
05486	4-Chlorotoluene	106-43-4	N.D.	0.053	0.26	mg/kg	52.97
05487	tert-Butylbenzene	98-06-6	N.D.	0.053	0.26	mg/kg	52.97
05488	1,2,4-Trimethylbenzene	95-63-6	2.4	0.053	0.26	mg/kg	52.97
05489	sec-Butylbenzene	135-98-8	0.26 J	0.053	0.26	mg/kg	52.97
05490	p-Isopropyltoluene	99-87-6	0.36	0.053	0.26	mg/kg	52.97
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.053	0.26	mg/kg	52.97
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.053	0.26	mg/kg	52.97



Account Number: 12094

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

Chevron

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

Page 3 of 3

#### Lancaster Laboratories Sample No. SW 5190647

1001152-SB5-6-6.5-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 09:21 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK5-6

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05493	n-Butylbenzene	104-51-8	0.33	0.053	0.26	mg/kg	52.97
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.053	0.26	mg/kg	52.97
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.11	0.26	mg/kg	52.97
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.053	0.26	mg/kg	52.97
05497	Hexachlorobutadiene	87-68-3	N.D.	0.11	0.26	mg/kg	52.97
05498	Naphthalene	91-20-3	1.3	0.053	0.26	mg/kg	52.97
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.053	0.26	mg/kg	52.97
	Ethanol was detected in the m	athod blank at	an octimated	and on tration of	F 7 5		

Ethanol was detected in the method blank at an estimated concentration of 7.5 mg/kg. The blank value was not subtracted from the analytical result. Ethanol is a contaminant in the methanol used to perform the high level extraction.

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							
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/31/2007 19:50	Linda C Pape	500	
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/09/2007 10:57	Heather E Williams	1	
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/25/2007 12:15	Stephanie A Selis	52.97	
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	10/25/2007 12:15	Stephanie A Selis	52.97	
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/30/2007 16:03	Robin L Rochow	n.a.	
06171	GC/MS - Field Preserved MeOH	SW-846 5035A	1	10/17/2007 09:21	Client Supplied	1	
06171	GC/MS - Field Preserved MeOH	SW-846 5035A	2	10/17/2007 09:21	Client Supplied	1	
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/23/2007 11:00	Olivia Arosemena	1	



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

Page 1 of 1

#### Lancaster Laboratories Sample No. SW 5190648

1001152-SB10-6-6.5-101707 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 15:53 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK106

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02005	TPH by NWTPH-Gx soils						
01659	TPH by NWTPH-Gx soils The analysis was requested wit The sample was analyzed 1 day			5	400. ime.	mg/kg	2000
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097	Diesel Range Organics	n.a.	93.	36.	84.	mg/kg	1
02098	Heavy Range Organics Due to the nature of the sampl for analysis. The reporting l	-	-		360.	mg/kg	1

State of Washington Lab Certification No. C259

CAT		Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/31/2007 23:16	Linda C Pape	2000
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/07/2007 14:28	Heather E Williams	1
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/30/2007 16:06	Robin L Rochow	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 09:30	Denise L Trimby	1



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

Page 1 of 2

#### Lancaster Laboratories Sample No. SW 5190650

1001152-SB8-6-7-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 16:34 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK8-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor		
02006	TPH by NWTPH-Gx soils								
02007	07 TPH by NWTPH-Gx soils n.a. N.D. 1.0 5.0 mg/kg 25 The analysis was requested with insufficient time remaining in the hold time. The sample was analyzed 1 day outside the method hold time.								
02214	TPH by NWTPH-Dx(soils) w/SiGel								
02097	Diesel Range Organics	n.a.	N.D.	3.0	7.0	mg/kg	1		
02098	Heavy Range Organics	n.a.	N.D.	10.	30.	mg/kg	1		
05878	BTEX								
02174	Benzene	71-43-2	N.D.	0.005	0.02	mg/kg	25		
02177	Toluene	108-88-3	N.D.	0.005	0.02	mg/kg	25		
02178	Ethylbenzene	100-41-4	N.D.	0.005	0.02	mg/kg	25		
02182	Total Xylenes	1330-20-7	N.D.	0.02	0.05	mg/kg	25		
	The analysis was requested with The sample was analyzed 1 day o			-	ime.				

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.

<b>a a</b>		Laboratory	Chro			
CAT				Analysis	·	Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02006	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/31/2007 02:02	Linda C Pape	25
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/07/2007 14:48	Heather E Williams	1
05878	BTEX	SW-846 8021B	1	10/31/2007 02:02	Linda C Pape	25
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/30/2007 16:08	Lois E Hiltz	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 09:30	Denise L Trimby	1



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 5190650

1001152-SB8-6-7-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 16:34 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK8-6

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583



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

Page 1 of 2

#### Lancaster Laboratories Sample No. WW 5190651

#### 1001152-TMW5-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 15:05 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKT-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel						
02095	Diesel Range Organics	n.a.	100. J	75.	240.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	94.	470.	ug/l	1
08357	Selected SVOAs by 8270 SIM						
08362	Naphthalene	91-20-3	1.9	0.0095	0.047	ug/l	1
08365	Acenaphthylene	208-96-8	N.D.	0.0095	0.047	ug/l	1
08366	Acenaphthene	83-32-9	0.020 J	0.0095	0.047	ug/l	1
08368	Fluorene	86-73-7	0.014 J	0.0095	0.047	ug/l	1
08369	Phenanthrene	85-01-8	N.D.	0.0095	0.047	ug/l	1
08370	Anthracene	120-12-7	N.D.	0.0095	0.047	ug/l	1
08372	Fluoranthene	206-44-0	N.D.	0.0095	0.047	ug/l	1
08373	Pyrene	129-00-0	N.D.	0.0095	0.047	ug/l	1
08374	Benzo(a)anthracene	56-55-3	N.D.	0.0095	0.047	ug/l	1
08375	Chrysene	218-01-9	N.D.	0.0095	0.047	ug/l	1
08376	Benzo(b)fluoranthene	205-99-2	N.D.	0.0095	0.047	ug/l	1
08377	Benzo(k)fluoranthene	207-08-9	N.D.	0.0095	0.047	ug/l	1
08378	Benzo(a)pyrene	50-32-8	N.D.	0.0095	0.047	ug/l	1
08379	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0095	0.047	ug/l	1
08380	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0095	0.047	ug/l	1
08381	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0095	0.047	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		-		Analysis		Dilution		
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor		
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	10/24/2007 00:04	Matthew E Barton	1		
08357	Selected SVOAs by 8270 SIM	SW-846 8270C SIM	1	10/31/2007 03:14	William T Parker	1		



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. WW 5190651

1001152-TMW5-101707 Water Sample Facility# 1001152 Tekoa, WA

Collec	ted:10/17/2007 15:05	by KN	Į	Account Number: 12094				
Report	ted: 10/19/2007 09:15 ted: 12/18/2007 at 07:59 td: 01/18/2008		e	Chevron 5001 Bollinger Ca San Ramon CA 9458	-			
TKT-5 00813 02135	BNA Water Extraction Extraction - DRO Water Special	SW-846 3510C ECY 97-602 NWTPH-Dx 06/97	1 1	10/23/2007 03:30 10/22/2007 16:50	Sherry L Morrow JoElla L Rice	1 1		



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

Page 1 of 4

### Lancaster Laboratories Sample No. WW 5190652

#### 1001152-TMW4-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/200	)7 14:35 b	y KN
---------------------	------------	------

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

Account Number: 12094

TKT-4

CAT			As Received	As Received Method	As Received Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
06035	Lead	7439-92-1	N.D.	0.047	1.0	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel						
02095	Diesel Range Organics	n.a.	540.	75.	240.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	94.	470.	ug/l	1
08273	TPH by NWTPH-Gx waters						
01645	TPH by NWTPH-Gx waters	n.a.	1,100.	50.	250.	ug/l	1
08357	Selected SVOAs by 8270 SIM						
08362	Naphthalene	91-20-3	0.69	0.0095	0.047	ug/l	1
08365	Acenaphthylene	208-96-8	N.D.	0.030	0.047	ug/l	1
08366	Acenaphthene	83-32-9	0.11	0.0095	0.047	ug/l	1
08368	Fluorene	86-73-7	0.30	0.0095	0.047	ug/l	1
08369	Phenanthrene	85-01-8	0.032 J	0.0095	0.047	ug/l	1
08370	Anthracene	120-12-7	0.042 J	0.0095	0.047	ug/l	1
08372	Fluoranthene	206-44-0	N.D.	0.0095	0.047	ug/l	1
08373	Pyrene	129-00-0	N.D.	0.0095	0.047	ug/l	1
08374	Benzo(a)anthracene	56-55-3	N.D.	0.0095	0.047	ug/l	1
08375	Chrysene	218-01-9	N.D.	0.0095	0.047	ug/l	1
08376	Benzo(b)fluoranthene	205-99-2	N.D.	0.0095	0.047	ug/l	1
08377	Benzo(k)fluoranthene	207-08-9	N.D.	0.0095	0.047	ug/l	1
08378	Benzo(a)pyrene	50-32-8	N.D.	0.0095	0.047	ug/l	1
08379	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0095	0.047	ug/l	1
08380	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0095	0.047	ug/l	1
08381	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0095	0.047	ug/l	1
	Due to the presence of an inter acenaphthylene, the reporting that the interferent had a sign mass of acenaphthylene.	limit was rais	sed. This was	due to the fact			
05382	EPA SW846/8260 (water)						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	5.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1



Account Number: 12094

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

Chevron

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

Page 2 of 4

### Lancaster Laboratories Sample No. WW 5190652

1001152-TMW4-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 14:35 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKT-4

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05394	2,2-Dichloropropane	594-20-7	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05397	Bromochloromethane	74-97-5	N.D.	1.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05400	1,1-Dichloropropene	563-58-6	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	4.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	4.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	0.7 J	0.5	4.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05410	1,3-Dichloropropane	142-28-9	N.D.	1.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	4.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	4.	ug/l	1
05416	m+p-Xylene	1330-20-7	N.D.	0.5	4.	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.5	4.	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	3. J	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	3. J	1.	5.	ug/l	1
05425	2-Chlorotoluene	95-49-8	N.D.	1.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	6.	1.	5.	ug/l	1
05427	4-Chlorotoluene	106-43-4	N.D.	1.	5.	ug/l	1



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

Page 3 of 4

#### Lancaster Laboratories Sample No. WW 5190652

1001152-TMW4-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 14:35 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKT-4

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

					As Received	As Received		
CAT			As Rece	eived	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result		Detection Limit*	Quantitation	Units	Factor
05428	tert-Butylbenzene	98-06-6	N.D.		1.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	12.		1.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	6.		1.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	4.	J	1.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.		1.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.		1.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	2.	J	1.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.		1.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		2.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	N.D.		1.	5.	ug/l	1
05438	Hexachlorobutadiene	87-68-3	N.D.		2.	5.	ug/l	1
05439	Naphthalene	91-20-3	N.D.		1.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	N.D.		1.	5.	ug/l	1
08202	EPA SW 846/8260 - Water							
01587	Ethanol	64-17-5	N.D.		50.	250.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	4.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.		0.5	4.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.		0.5	4.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.		0.5	4.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.		5.	80.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	5.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	10.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	10.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2.	10.	ug/l	1
	2-Chloroethyl vinyl ether is an recovered in an acid preserved	sample.	-	l and m	-		( -	_
08203	Freon 113	76-13-1	N.D.		2.	10.	ug/l	1

State of Washington Lab Certification No. C259 This sample was field filtered for dissolved metals. Trip blank vials were not received by the laboratory for this sample group.

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



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

Page 4 of 4

#### Lancaster Laboratories Sample No. WW 5190652

1001152-TMW4-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 14:35 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKT-4

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor

CAT Laboratory Chronicle Dilut									
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor			
06035	Lead	SW-846 6020	1	11/06/2007 08:40	James R Williams II	1			
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	10/24/2007 00:23	Matthew E Barton	1			
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	10/24/2007 01:38	Steven A Skiles	1			
08357	Selected SVOAs by 8270 SIM	SW-846 8270C SIM	1	10/31/2007 03:41	William T Parker	1			
05382	EPA SW846/8260 (water)	SW-846 8260B	1	10/27/2007 04:45	Holly Berry	1			
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	10/27/2007 04:45	Holly Berry	1			
00813	BNA Water Extraction	SW-846 3510C	1	10/23/2007 03:30	Sherry L Morrow	1			
01146	GC VOA Water Prep	SW-846 5030B	1	10/24/2007 01:38	Steven A Skiles	1			
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/27/2007 04:45	Holly Berry	1			
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 16:50	JoElla L Rice	1			
06050	ICP/MS SW-846 Water	SW-846 3010A modified	l 1	11/01/2007 13:10	Mirit S Shenouda	1			



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

Page 1 of 1

#### Lancaster Laboratories Sample No. WW 5190653

1001152-TMW-6-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 13:55 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKT-6

CAT No.	Analysis Name	CAS Number	As Recei Result	ved	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
08273	TPH by NWTPH-Gx waters							
01645	TPH by NWTPH-Gx waters	n.a.	100.	J	50.	250.	ug/l	1

State of Washington Lab Certification No. C259 Trip blank vials were not received by the laboratory for this sample group.

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

		Laboratory	Chro	nicle		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	10/24/2007 02:07	Steven A Skiles	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/24/2007 02:07	Steven A Skiles	1



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

Page 1 of 4

### Lancaster Laboratories Sample No. WW 5190654

1001152-TMW-3-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 16:00 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

Account Number: 12094

TKT-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection	As Received Limit of Quantitation	Units	Dilution Factor
	-			Limit*	-		
06035	Lead	7439-92-1	0.064 J	0.047	1.0	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel						
02095	Diesel Range Organics	n.a.	1,600. J	750.	2,400.	ug/l	10
02096	Heavy Range Organics Due to the nature of the sample the analysis. The reporting 1		N.D. rix, a dilution		4,700.	ug/l	10
08273	TPH by NWTPH-Gx waters						
01645	TPH by NWTPH-Gx waters	n.a.	890.	50.	250.	ug/l	1
08357	Selected SVOAs by 8270 SIM						
08362	Naphthalene	91-20-3	1.9	0.0095	0.047	ug/l	1
08365	Acenaphthylene	208-96-8	N.D.	0.0095	0.047	ug/l	1
08366	Acenaphthene	83-32-9	0.010 J	0.0095	0.047	ug/l	1
08368	Fluorene	86-73-7	0.012 J	0.0095	0.047	ug/l	1
08369	Phenanthrene	85-01-8	N.D.	0.0095	0.047	ug/l	1
08370	Anthracene	120-12-7	0.030 J	0.0095	0.047	ug/l	1
08372	Fluoranthene	206-44-0	N.D.	0.0095	0.047	ug/l	1
08373	Pyrene	129-00-0	N.D.	0.0095	0.047	ug/l	1
08374	Benzo(a)anthracene	56-55-3	N.D.	0.0095	0.047	ug/l	1
08375	Chrysene	218-01-9	N.D.	0.0095	0.047	ug/l	1
08376	Benzo(b)fluoranthene	205-99-2	N.D.	0.0095	0.047	ug/l	1
08377	Benzo(k)fluoranthene	207-08-9	N.D.	0.0095	0.047	ug/l	1
08378	Benzo(a)pyrene	50-32-8	N.D.	0.0095	0.047	ug/l	1
08379	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0095	0.047	ug/l	1
08380	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0095	0.047	ug/l	1
08381	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0095	0.047	ug/l	1
05382	EPA SW846/8260 (water)						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	5.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
						-	



Account Number: 12094

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

Chevron

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

Page 2 of 4

#### Lancaster Laboratories Sample No. WW 5190654

1001152-TMW-3-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 16:00 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKT-3

TKT-3				As Received	As Received		
CAT			As Received		Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05394	2,2-Dichloropropane	594-20-7	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05397	Bromochloromethane	74-97-5	N.D.	1.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05400	1,1-Dichloropropene	563-58-6	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	4.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	4.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	4.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05410	1,3-Dichloropropane	142-28-9	N.D.	1.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	4.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	0.7 J	0.5	4.	ug/l	1
05416	m+p-Xylene	1330-20-7	2. J	0.5	4.	ug/l	1
05417	o-Xylene	95-47-6	0.9 J	0.5	4.	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	7.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	9.	1.	5.	ug/l	1
05425	2-Chlorotoluene	95-49-8	N.D.	1.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	15.	1.	5.	ug/l	1
05427	4-Chlorotoluene	106-43-4	N.D.	1.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	1. J	1.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	49.	1.	5.	ug/l	1



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

Page 3 of 4

#### Lancaster Laboratories Sample No. WW 5190654

#### 1001152-TMW-3-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 16:00 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKT-3

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

					As Received	As Received		
CAT			As Re	ceived	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Resul	t	Detection Limit*	Quantitation	Units	Factor
05430	sec-Butylbenzene	135-98-8	5.	J	1.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	5.		1.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.		1.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.		1.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	1.	J	1.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.		1.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		2.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	N.D.		1.	5.	ug/l	1
05438	Hexachlorobutadiene	87-68-3	N.D.		2.	5.	ug/l	1
05439	Naphthalene	91-20-3	3.	J	1.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	N.D.		1.	5.	ug/l	1
08202	EPA SW 846/8260 - Water							
01587	Ethanol	64-17-5	N.D.		50.	250.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	4.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.		0.5	4.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.		0.5	4.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.		0.5	4.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.		5.	80.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	5.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	10.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	10.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2.	10.	ug/l	1
08203	2-Chloroethyl vinyl ether is an recovered in an acid preserved Freon 113		compour N.D.	nd and r	nay not be 2.	10.	ug/l	1

State of Washington Lab Certification No. C259 This sample was field filtered for dissolved metals. Trip blank vials were not received by the laboratory for this sample group.

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



Account Number: 12094

San Ramon CA 94583

Limit\*

6001 Bollinger Canyon Rd L4310

Chevron

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

Page 4 of 4

#### Lancaster Laboratories Sample No. WW 5190654

1001152-TMW-3-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 16:00 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKT-3

TKT-3							
				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection	Quantitation	Units	Factor

CAT		Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06035	Lead	SW-846 6020	111111	11/06/2007 22:25	David K Beck	TACCOL
			T	, ,		T
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	10/24/2007 10:42	Matthew E Barton	10
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	10/24/2007 02:36	Steven A Skiles	1
08357	Selected SVOAs by 8270 SIM	SW-846 8270C SIM	1	10/31/2007 04:07	William T Parker	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	10/27/2007 05:09	Holly Berry	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	10/27/2007 05:09	Holly Berry	1
00813	BNA Water Extraction	SW-846 3510C	1	10/23/2007 03:30	Sherry L Morrow	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/24/2007 02:36	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/27/2007 05:09	Holly Berry	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 16:50	JoElla L Rice	1
06050	ICP/MS SW-846 Water	SW-846 3010A modified	1 1	11/01/2007 19:25	James L Mertz	1



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

Page 1 of 4

### Lancaster Laboratories Sample No. WW 5190655

1001152-TMW-1-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/	17/	2007	15:40	by	KN
---------------	-----	------	-------	----	----

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

Account Number: 12094

TKT-1

CAT			As Received	As Received Method	As Received Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
06035	Lead	7439-92-1	0.12 J	0.047	1.0	ug/l	1
02211	TPH by NWTPH-Dx(water) w/SiGel						
02095	Diesel Range Organics	n.a.	N.D.	440.	1,400.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	560.	2,800.	ug/l	1
	Due to insufficient sample size reporting limits. The values r limits attainable.		-				
08273	TPH by NWTPH-Gx waters						
01645	TPH by NWTPH-Gx waters	n.a.	N.D.	50.	250.	ug/l	1
05382	EPA SW846/8260 (water)						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	5.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05394	2,2-Dichloropropane	594-20-7	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05397	Bromochloromethane	74-97-5	N.D.	1.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05400	1,1-Dichloropropene	563-58-6	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	4.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	4.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1



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

Page 2 of 4

### Lancaster Laboratories Sample No. WW 5190655

1001152-TMW-1-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 15:40 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKT-1

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05407	Toluene	108-88-3	N.D.	0.5	4.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05410	1,3-Dichloropropane	142-28-9	N.D.	1.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	4.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	4.	ug/l	1
05416	m+p-Xylene	1330-20-7	N.D.	0.5	4.	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.5	4.	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	N.D.	1.	5.	ug/l	1
05425	2-Chlorotoluene	95-49-8	N.D.	1.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	N.D.	1.	5.	ug/l	1
05427	4-Chlorotoluene	106-43-4	N.D.	1.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	N.D.	1.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	N.D.	1.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	N.D.	1.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	N.D.	1.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	N.D.	1.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
05438	Hexachlorobutadiene	87-68-3	N.D.	2.	5.	ug/l	1
05439	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	N.D.	1.	5.	ug/l	1
08202	EPA SW 846/8260 - Water						
01587	Ethanol	64-17-5	N.D.	50.	250.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	4.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	4.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	4.	ug/l	1



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

Page 3 of 4

#### Lancaster Laboratories Sample No. WW 5190655

1001152-TMW-1-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 15:40 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKT-1

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	4.	ug/l	1
2015	t-Butyl alcohol	75-65-0	N.D.	5.	80.	ug/l	1
6302	Acetone	67-64-1	N.D.	6.	20.	ug/l	1
6303	Carbon Disulfide	75-15-0	N.D.	1.	5.	ug/l	1
6305	2-Butanone	78-93-3	N.D.	3.	10.	ug/l	1
5306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
5307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
5308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	10.	ug/l	1
5309	2-Hexanone	591-78-6	N.D.	3.	10.	ug/l	1
7583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
	2-Chloroethyl vinyl ether is recovered in an acid preserve		compound and r	nay not be			
3203	Freon 113	76-13-1	N.D.	2.	10.	ug/l	1

State of Washington Lab Certification No. C259 This sample was field filtered for dissolved metals. Trip blank vials were not received by the laboratory for this sample group.

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		_		Analysis		Dilution			
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor			
06035	Lead	SW-846 6020	1	11/06/2007 22:27	David K Beck	1			
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	10/24/2007 01:02	Matthew E Barton	1			
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	10/24/2007 03:06	Steven A Skiles	1			
05382	EPA SW846/8260 (water)	SW-846 8260B	1	10/27/2007 03:34	Holly Berry	1			
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	10/27/2007 03:34	Holly Berry	1			
01146	GC VOA Water Prep	SW-846 5030B	1	10/24/2007 03:06	Steven A Skiles	1			
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/27/2007 03:34	Holly Berry	1			
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 16:50	JoElla L Rice	1			
06050	ICP/MS SW-846 Water	SW-846 3010A modified	1 1	11/01/2007 19:25	James L Mertz	1			



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

Page 4 of 4

Lancaster Laboratories Sample No. WW 5190655

1001152-TMW-1-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 15:40 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKT-1

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583



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

Page 1 of 3

### Lancaster Laboratories Sample No. WW 5190656

#### 1001152-TMW5-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 15:05 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

#### TKMW5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
08273	TPH by NWTPH-Gx waters						
01645	TPH by NWTPH-Gx waters	n.a.	610.	50.	250.	ug/l	1
05382	EPA SW846/8260 (water)						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	5.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05394	2,2-Dichloropropane	594-20-7	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05397	Bromochloromethane	74-97-5	N.D.	1.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05400	1,1-Dichloropropene	563-58-6	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	4.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	4.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	4.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05410	1,3-Dichloropropane	142-28-9	N.D.	1.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	4.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	4.	ug/l	1
05416	m+p-Xylene	1330-20-7	6.	0.5	4.	ug/l	1



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

Page 2 of 3

#### Lancaster Laboratories Sample No. WW 5190656

1001152-TMW5-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 15:05 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKMW5

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKMW5								
					As Received	As Received		
CAT			As Rec	ceived	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	E	Detection Limit*	Quantitation	Units	Factor
05417	o-Xylene	95-47-6	1.	J	0.5	4.	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	10.		1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	5.	ug/l	1
05422	Bromobenzene	108-86-1	N.D.		1.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.		1.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	7.		1.	5.	ug/l	1
05425	2-Chlorotoluene	95-49-8	N.D.		1.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	5.	J	1.	5.	ug/l	1
05427	4-Chlorotoluene	106-43-4	N.D.		1.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	N.D.		1.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	39.		1.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	5.	J	1.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	2.	J	1.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.		1.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.		1.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	N.D.		1.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.		1.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		2.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	N.D.		1.	5.	ug/l	1
05438	Hexachlorobutadiene	87-68-3	N.D.		2.	5.	ug/l	1
05439	Naphthalene	91-20-3	1.	J	1.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	N.D.		1.	5.	ug/l	1
08202	EPA SW 846/8260 - Water							
01587	Ethanol	64-17-5	N.D.		50.	250.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	4.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.		0.5	4.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.		0.5	4.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.		0.5	4.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.		5.	80.	ug/l	1
06302	Acetone	67-64-1	17.	J	6.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	5.	ug/l	1
06305	2-Butanone	78-93-3	4.	J	3.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	10.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	10.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2.	10.	ug/l	1



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

Page 3 of 3

#### Lancaster Laboratories Sample No. WW 5190656

1001152-TMW5-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 15:05 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKMW5

CAT			As Received	As Received Method	As Received Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
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.	10.	ug/l	1

State of Washington Lab Certification No. C259 Trip blank vials were not received by the laboratory for this sample group.

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

Laboratory Chronicle

		Laboracory	CIII O.			
CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	10/24/2007 03:35	Steven A Skiles	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	10/27/2007 05:32	Holly Berry	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	10/27/2007 05:32	Holly Berry	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/24/2007 03:35	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/27/2007 05:32	Holly Berry	1



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

Page 1 of 1

#### Lancaster Laboratories Sample No. SW 5190658

1001152-SB-3-5.10-6.4-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 15:18 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK3-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02005	TPH by NWTPH-Gx soils						
01659	9 TPH by NWTPH-Gx soils n.a. N.D. 1.0 5.0 mg The analysis was requested with insufficient time remaining in the hold time. The sample was analyzed 1 day outside the method hold time.						25
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097 02098	Diesel Range Organics Heavy Range Organics	n.a. n.a.	N.D. N.D.	3.0 10.	7.0 30.	mg/kg mg/kg	1 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.

CAT		Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/31/2007 11:33	Linda C Pape	25
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/07/2007 15:07	Heather E Williams	1
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/30/2007 16:12	Lois E Hiltz	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 09:30	Denise L Trimby	1



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

Page 1 of 1

#### Lancaster Laboratories Sample No. SW 5190659

1001152-SB-14-6-6.5-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 12:12 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK146

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02005	TPH by NWTPH-Gx soils						
01659	TPH by NWTPH-Gx soilsn.a.N.D.1.05.0mg/The analysis was requested with insufficient time remaining in the hold time.The sample was analyzed 1 day outside the method hold time.						25
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097 02098	Diesel Range Organics Heavy Range Organics	n.a. n.a.	N.D. N.D.	3.0 10.	7.0 30.	mg/kg mg/kg	1 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.

CAT		Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/31/2007 12:13	Linda C Pape	25
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/07/2007 15:27	Heather E Williams	1
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/30/2007 16:14	Lois E Hiltz	n.a.
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 09:30	Denise L Trimby	1



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

Page 1 of 4

### Lancaster Laboratories Sample No. WW 5190661

#### 1001152-TMW-7-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/	17/2007	13:25	by KN
---------------	---------	-------	-------

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

Account Number: 12094

TKTM7

Limit*           06035         Lead         7439-92-1         0.055         J         0.047         1.0         ug/l         1           02211         TPH by NWTPH-Dx(water) w/SiGel         w/SiGel         1         1         1	
02095 Diesel Range Organics n.a. N.D. 75. 230. ug/l 1	
02096 Heavy Range Organics n.a. N.D. 94. 470. ug/l 1	
08273 TPH by NWTPH-Gx waters	
01645 TPH by NWTPH-Gx waters n.a. N.D. 50. 250. ug/l 1	
08357 Selected SVOAs by 8270 SIM	
08362 Naphthalene 91-20-3 0.012 J 0.0095 0.048 ug/l 1	
08365 Acenaphthylene 208-96-8 N.D. 0.0095 0.048 ug/l 1	
08366 Acenaphthene 83-32-9 N.D. 0.0095 0.048 ug/l 1	
08368 Fluorene 86-73-7 N.D. 0.0095 0.048 ug/l 1	
08369 Phenanthrene 85-01-8 0.016 J 0.0095 0.048 ug/l 1	
08370 Anthracene 120-12-7 N.D. 0.0095 0.048 ug/l 1	
08372 Fluoranthene 206-44-0 0.014 J 0.0095 0.048 ug/l 1	
08373 Pyrene 129-00-0 0.021 J 0.0095 0.048 ug/l 1	
08374 Benzo(a)anthracene 56-55-3 0.011 J 0.0095 0.048 ug/l 1	
08375 Chrysene 218-01-9 N.D. 0.0095 0.048 ug/l 1	
08376 Benzo(b)fluoranthene 205-99-2 N.D. 0.0095 0.048 ug/l 1	
08377 Benzo(k)fluoranthene 207-08-9 N.D. 0.0095 0.048 ug/l 1	
08378 Benzo(a)pyrene 50-32-8 N.D. 0.0095 0.048 ug/l 1	
08379 Indeno(1,2,3-cd)pyrene 193-39-5 N.D. 0.0095 0.048 ug/l 1	
08380 Dibenz(a,h)anthracene 53-70-3 N.D. 0.0095 0.048 ug/l 1	
08381         Benzo(g,h,i)perylene         191-24-2         N.D.         0.0095         0.048         ug/l         1	
05382 EPA SW846/8260 (water)	
05384 Dichlorodifluoromethane 75-71-8 N.D. 2. 5. ug/l 1	
05385 Chloromethane 74-87-3 N.D. 1. 5. ug/l 1	
05386 Vinyl Chloride 75-01-4 N.D. 1. 5. ug/l 1	
05387 Bromomethane 74-83-9 N.D. 1. 5. ug/l 1	
05388 Chloroethane 75-00-3 N.D. 1. 5. ug/l 1	
05389 Trichlorofluoromethane 75-69-4 N.D. 2. 5. ug/l 1	
05390 1,1-Dichloroethene 75-35-4 N.D. 0.8 5. ug/l 1	



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

Page 2 of 4

### Lancaster Laboratories Sample No. WW 5190661

#### 1001152-TMW-7-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 13:25 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKTM7

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKTM7							
				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05394	2,2-Dichloropropane	594-20-7	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05397	Bromochloromethane	74-97-5	N.D.	1.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05400	1,1-Dichloropropene	563-58-6	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	4.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	4.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	4.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05410	1,3-Dichloropropane	142-28-9	N.D.	1.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	4.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	4.	ug/l	1
05416	m+p-Xylene	1330-20-7	N.D.	0.5	4.	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.5	4.	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	N.D.	1.	5.	ug/l	1
05425	2-Chlorotoluene	95-49-8	N.D.	1.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	N.D.	1.	5.	ug/l	1
05427	4-Chlorotoluene	106-43-4	N.D.	1.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	N.D.	1.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	N.D.	1.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	N.D.	1.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	N.D.	1.	5.	ug/l	1



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

Page 3 of 4

#### Lancaster Laboratories Sample No. WW 5190661

1001152-TMW-7-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 13:25 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKTM7

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	N.D.	1.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
05438	Hexachlorobutadiene	87-68-3	N.D.	2.	5.	ug/l	1
05439	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	N.D.	1.	5.	ug/l	1
08202	EPA SW 846/8260 - Water						
01587	Ethanol	64-17-5	N.D.	50.	250.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	4.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	4.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	4.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	4.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	80.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	5.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	10.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	10.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
	2-Chloroethyl vinyl ether is an recovered in an acid preserved		compound and r	may not be			
08203	Freon 113	76-13-1	N.D.	2.	10.	ug/l	1

State of Washington Lab Certification No. C259 This sample was field filtered for dissolved metals. Trip blank vials were not received by the laboratory for this sample group.

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



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

Page 4 of 4

### Lancaster Laboratories Sample No. WW 5190661

1001152-TMW-7-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 13:25 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKTM7

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

Laboratory Chronicle							
CAT				Analysis		Dilution	
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
06035	Lead	SW-846 6020	1	11/06/2007 22:30	David K Beck	1	
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	10/24/2007 01:41	Matthew E Barton	1	
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	10/24/2007 04:05	Steven A Skiles	1	
08357	Selected SVOAs by 8270 SIM	SW-846 8270C SIM	1	10/31/2007 04:34	William T Parker	1	
05382	EPA SW846/8260 (water)	SW-846 8260B	1	10/27/2007 05:56	Holly Berry	1	
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	10/27/2007 05:56	Holly Berry	1	
00813	BNA Water Extraction	SW-846 3510C	1	10/23/2007 03:30	Sherry L Morrow	1	
01146	GC VOA Water Prep	SW-846 5030B	1	10/24/2007 04:05	Steven A Skiles	1	
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/27/2007 05:56	Holly Berry	1	
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 16:50	JoElla L Rice	1	
06050	ICP/MS SW-846 Water	SW-846 3010A modified	1 1	11/01/2007 19:25	James L Mertz	1	



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

Page 1 of 4

### Lancaster Laboratories Sample No. WW 5190662

#### 1001152-TMW-6-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10	/17/	2007	13:55	by KN
--------------	------	------	-------	-------

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKTM6

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

06035         Lead         7439-92-1         0.079         J         0.047         1.0         ug/l         1           02211         TPH by NMTPH-Dx(water) W/SiGel        a.         140.         J         75.         230.         ug/l         1           02095         Diesel Range Organics         n.a.         140.         J         75.         230.         ug/l         1           02095         Biesel Range Organics         n.a.         N.D.         94.         470.         ug/l         1           08357         Selected SVOAs by 8270 SIM           0.0095         0.047         ug/l         1           08362         Naphthalene         91-20-3         0.12         0.0095         0.047         ug/l         1           08362         Acenaphthylene         208-96-8         N.D.         0.0095         0.047         ug/l         1           08363         Plourene         66-73-7         0.010         0.0095         0.047         ug/l         1           08372         Plucranthene         206-44-0         N.D.         0.0095         0.047         ug/l         1           08373         Pyrene         129-00-0         N.D.	CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
w/sici           02095         Diesel Range Organics         n.a.         140.         J         75.         230.         ug/l         1           02096         Heavy Range Organics         n.a.         N.D.         94.         470.         ug/l         1           08357         Selected SVOAs by 8270 SIM          94.         470.         ug/l         1           08362         Naphthalene         91-20-3         0.12         0.0095         0.047         ug/l         1           08362         Kaenaphthylene         206-96-8         N.D.         0.0095         0.047         ug/l         1           08368         Fluorene         83-32-9         N.D.         0.0095         0.047         ug/l         1           08369         Phenanthrene         85-73-7         0.010         0.0095         0.047         ug/l         1           08370         Anthracene         120-12-7         N.D.         0.0095         0.047         ug/l         1           08372         Fluoranthene         120-12-7         N.D.         0.0095         0.047         ug/l         1           08372         Pyrene         120-12-7         N.D.         0.0095	06035	Lead	7439-92-1	0.079 J		1.0	ug/l	1
02096         Heavy Range Organics         n.a.         N.D.         94.         470.         ug/l         1           08357         Selected SVOAs by 8270 SIM	02211							
08357       Selected SVOAs by 8270 SIM         08352       Naphthalene       91-20-3       0.12       0.0095       0.047       ug/l       1         08362       Acenaphthalene       208-96-8       N.D.       0.0095       0.047       ug/l       1         08363       Acenaphthalene       63-32-9       N.D.       0.0095       0.047       ug/l       1         08364       Fluorene       66-73-7       0.010       J       0.0095       0.047       ug/l       1         08369       Phenanthrene       85-01-8       N.D.       0.0095       0.047       ug/l       1         08370       Anthracene       120-12-7       N.D.       0.0095       0.047       ug/l       1         08373       Pyrene       129-00-0       N.D.       0.0095       0.047       ug/l       1         08375       Chrysene       218-01-9       N.D.       0.0095       0.047       ug/l       1         08375       Benzo (a) fluoranthene       207-08-9       N.D.       0.0095       0.047       ug/l       1         08376       Benzo (a) pyrene       50-32-8       N.D.       0.0095       0.047       ug/l       1 <td< td=""><td>02095</td><td>Diesel Range Organics</td><td>n.a.</td><td>140. J</td><td>75.</td><td>230.</td><td>ug/l</td><td>1</td></td<>	02095	Diesel Range Organics	n.a.	140. J	75.	230.	ug/l	1
08362         Naphthalene         91-20-3         0.12         0.0095         0.047         ug/l         1           08365         Acenaphthylene         208-96-8         N.D.         0.0095         0.047         ug/l         1           08366         Acenaphthene         83-32-9         N.D.         0.0095         0.047         ug/l         1           08366         Fluorene         86-73-7         0.010         J         0.0095         0.047         ug/l         1           08369         Phenanthrene         86-71-8         N.D.         0.0095         0.047         ug/l         1           08370         Anthracene         120-12-7         N.D.         0.0095         0.047         ug/l         1           08373         Pyrene         129-00-0         N.D.         0.0095         0.047         ug/l         1           08374         Benzo (a) anthracene         56-55-3         N.D.         0.0095         0.047         ug/l         1           08375         Chrysene         218-01-9         N.D.         0.0095         0.047         ug/l         1           08376         Benzo (a) ptranthene         205-92.8         N.D.         0.0095         0.047	02096	Heavy Range Organics	n.a.	N.D.	94.	470.	ug/l	1
08365         Acenaphthylene         208-96-8         N.D.         0.0095         0.047         ug/l         1           08366         Acenaphthene         83-32-9         N.D.         0.0095         0.047         ug/l         1           08366         Pluorene         86-73.7         0.010         J         0.0095         0.047         ug/l         1           08369         Phenanthrene         85-01-8         N.D.         0.0095         0.047         ug/l         1           08370         Anthracene         120-12-7         N.D.         0.0095         0.047         ug/l         1           08373         Pyrene         129-00-0         N.D.         0.0095         0.047         ug/l         1           08375         Chrysene         129-00-0         N.D.         0.0095         0.047         ug/l         1           08376         Benzo (a) anthracene         56-55-3         N.D.         0.0095         0.047         ug/l         1           08375         Chrysene         218-01-9         N.D.         0.0095         0.047         ug/l         1           08376         Benzo (b) fluoranthene         205-99-2         N.D.         0.0095         0.047	08357	Selected SVOAs by 8270 SIM						
08366         Acenaphthene         83-32-9         N.D.         0.0095         0.047         ug/l         1           08368         Fluorene         86-73-7         0.010         J         0.0095         0.047         ug/l         1           08369         Phenanthrene         85-01-8         N.D.         0.0095         0.047         ug/l         1           08370         Anthracene         120-12-7         N.D.         0.0095         0.047         ug/l         1           08373         Pyrene         129-00-0         N.D.         0.0095         0.047         ug/l         1           08375         Chrysene         129-00-0         N.D.         0.0095         0.047         ug/l         1           08375         Chrysene         128-01-9         N.D.         0.0095         0.047         ug/l         1           08376         Benzo (a) fluoranthene         207-08-9         N.D.         0.0095         0.047         ug/l         1           08377         Benzo (a) pyrene         50-32-8         N.D.         0.0095         0.047         ug/l         1           08380         Dichlorodifluoranthene         75-71-8         N.D.         0.0095         0.047 </td <td>08362</td> <td>Naphthalene</td> <td>91-20-3</td> <td>0.12</td> <td>0.0095</td> <td>0.047</td> <td>ug/l</td> <td>1</td>	08362	Naphthalene	91-20-3	0.12	0.0095	0.047	ug/l	1
08368         Fluorene         86-73-7         0.010 J         0.0095         0.047         ug/l         1           08369         Phenanthrene         85-01-8         N.D.         0.0095         0.047         ug/l         1           08370         Anthracene         120-12-7         N.D.         0.0095         0.047         ug/l         1           08373         Pyrene         129-00-0         N.D.         0.0095         0.047         ug/l         1           08374         Benzo(a)anthracene         56-55-3         N.D.         0.0095         0.047         ug/l         1           08376         Benzo(b)fluoranthene         205-99-2         N.D.         0.0095         0.047         ug/l         1           08376         Benzo(k)fluoranthene         207-08-9         N.D.         0.0095         0.047         ug/l         1           08377         Benzo(k)fluoranthene         207-08-9         N.D.         0.0095         0.047         ug/l         1           08378         Benzo(a)pyrene         53-22-8         N.D.         0.0095         0.047         ug/l         1           08380         Dibenz(a,h) anthracene         53-70-3         N.D.         0.0095 <t< td=""><td>08365</td><td>Acenaphthylene</td><td>208-96-8</td><td>N.D.</td><td>0.0095</td><td>0.047</td><td>ug/l</td><td>1</td></t<>	08365	Acenaphthylene	208-96-8	N.D.	0.0095	0.047	ug/l	1
08369         Phenanthrene         85-01-8         N.D.         0.0095         0.047         ug/l         1           08370         Anthracene         120-12-7         N.D.         0.0095         0.047         ug/l         1           08372         Fluoranthene         206-44-0         N.D.         0.0095         0.047         ug/l         1           08373         Pyrene         129-00-0         N.D.         0.0095         0.047         ug/l         1           08374         Benzo(a) anthracene         56-55-3         N.D.         0.0095         0.047         ug/l         1           08375         Chrysene         218-01-9         N.D.         0.0095         0.047         ug/l         1           08376         Benzo(k) fluoranthene         205-92-2         N.D.         0.0095         0.047         ug/l         1           08377         Benzo (k) fluoranthene         207-08-9         N.D.         0.0095         0.047         ug/l         1           08379         Indeno (1, 2, 3-cd) pyrene         193-39-5         N.D.         0.0095         0.047         ug/l         1           08381         Benzo (g,h,i) perylene         191-24-2         N.D.         0.0095	08366	Acenaphthene	83-32-9	N.D.	0.0095	0.047	ug/l	1
08370         Anthracene         120-12-7         N.D.         0.0095         0.047         ug/l         1           08372         Fluoranthene         206-44-0         N.D.         0.0095         0.047         ug/l         1           08373         Pyrene         129-00-0         N.D.         0.0095         0.047         ug/l         1           08373         Benzo (a) anthracene         56-55-3         N.D.         0.0095         0.047         ug/l         1           08376         Benzo (b) fluoranthene         205-99-2         N.D.         0.0095         0.047         ug/l         1           08377         Benzo (b) fluoranthene         207-08-9         N.D.         0.0095         0.047         ug/l         1           08377         Benzo (a) pyrene         50-32-8         N.D.         0.0095         0.047         ug/l         1           08379         Indeno(1, 2, 3-cd) pyrene         193-39-5         N.D.         0.0095         0.047         ug/l         1           08380         Dibenz (a, h) anthracene         53-70-3         N.D.         0.0095         0.047         ug/l         1           05382         EPA SW846/8260 (water)	08368	Fluorene	86-73-7	0.010 J	0.0095	0.047	ug/l	1
08372         Fluoranthene         206-44-0         N.D.         0.0095         0.047         ug/l         1           08373         Pyrene         129-00-0         N.D.         0.0095         0.047         ug/l         1           08374         Benzo(a)anthracene         56-55-3         N.D.         0.0095         0.047         ug/l         1           08375         Chrysene         218-01-9         N.D.         0.0095         0.047         ug/l         1           08377         Benzo(k) fluoranthene         205-99-2         N.D.         0.0095         0.047         ug/l         1           08378         Benzo(k) fluoranthene         207-08-9         N.D.         0.0095         0.047         ug/l         1           08379         Indeno(1, 2, 3-cd) pyrene         193-39-5         N.D.         0.0095         0.047         ug/l         1           08380         Dibenz(a, h) anthracene         53-70-3         N.D.         0.0095         0.047         ug/l         1           08381         Benzo (g, h, i) perylene         191-24-2         N.D.         0.0095         0.047         ug/l         1           05384         Dichlorodifluoromethane         75-71-8         N.D.	08369	Phenanthrene	85-01-8	N.D.	0.0095	0.047	ug/l	1
08373         Pyrene         129-00-0         N.D.         0.0095         0.047         ug/l         1           08374         Benzo(a) anthracene         56-55-3         N.D.         0.0095         0.047         ug/l         1           08375         Chrysene         218-01-9         N.D.         0.0095         0.047         ug/l         1           08376         Benzo(b) fluoranthene         205-99-2         N.D.         0.0095         0.047         ug/l         1           08377         Benzo(k) fluoranthene         207-08-9         N.D.         0.0095         0.047         ug/l         1           08378         Benzo(a) pyrene         50-32-8         N.D.         0.0095         0.047         ug/l         1           08379         Indeno(1, 2, 3-cd) pyrene         193-39-5         N.D.         0.0095         0.047         ug/l         1           08380         Dibenz(a, h, i) perylene         191-24-2         N.D.         0.0095         0.047         ug/l         1           05384         Dichlorodifluoromethane         75-71-8         N.D.         1.         5.         ug/l         1           05385         Chloromethane         75-71-8         N.D.         1. <td>08370</td> <td>Anthracene</td> <td>120-12-7</td> <td>N.D.</td> <td>0.0095</td> <td>0.047</td> <td>ug/l</td> <td>1</td>	08370	Anthracene	120-12-7	N.D.	0.0095	0.047	ug/l	1
08374         Benzo (a) anthracene         56-55-3         N.D.         0.0095         0.047         ug/l         1           08375         Chrysene         218-01-9         N.D.         0.0095         0.047         ug/l         1           08376         Benzo (b) fluoranthene         205-99-2         N.D.         0.0095         0.047         ug/l         1           08377         Benzo (k) fluoranthene         207-08-9         N.D.         0.0095         0.047         ug/l         1           08377         Benzo (k) fluoranthene         207-08-9         N.D.         0.0095         0.047         ug/l         1           08379         Indeno (1,2,3-cd) pyrene         193-39-5         N.D.         0.0095         0.047         ug/l         1           08380         Dibenz (a, h) anthracene         53-70-3         N.D.         0.0095         0.047         ug/l         1           05381         Benzo (g, h, i) perylene         191-24-2         N.D.         0.0095         0.047         ug/l         1           05382         EPA SW846/8260 (water)         -         -         -         -         -           05384         Dichlorodifluoromethane         75-71-8         N.D.         1.<	08372	Fluoranthene	206-44-0	N.D.	0.0095	0.047	ug/l	1
08375         Chrysene         218-01-9         N.D.         0.0095         0.047         ug/l         1           08376         Benzo (b) fluoranthene         205-99-2         N.D.         0.0095         0.047         ug/l         1           08377         Benzo (k) fluoranthene         207-08-9         N.D.         0.0095         0.047         ug/l         1           08378         Benzo (a) pyrene         50-32-8         N.D.         0.0095         0.047         ug/l         1           08379         Indeno (1,2, 3-cd) pyrene         193-39-5         N.D.         0.0095         0.047         ug/l         1           08380         Dibenz (a, h) anthracene         53-70-3         N.D.         0.0095         0.047         ug/l         1           08381         Benzo (g, h, i) perylene         191-24-2         N.D.         0.0095         0.047         ug/l         1           05382         EPA SW846/8260 (water)         -         -         0.0095         0.047         ug/l         1           05385         Chloromethane         75-71-8         N.D.         1.         5.         ug/l         1           05386         Vinyl Chloride         75-01-4         N.D.         1	08373	Pyrene	129-00-0	N.D.	0.0095	0.047	ug/l	1
08376         Benzo (b) fluoranthene         205-99-2         N.D.         0.0095         0.047         ug/l         1           08377         Benzo (k) fluoranthene         207-08-9         N.D.         0.0095         0.047         ug/l         1           08378         Benzo (a) pyrene         50-32-8         N.D.         0.0095         0.047         ug/l         1           08379         Indeno (1,2,3-cd) pyrene         193-39-5         N.D.         0.0095         0.047         ug/l         1           08380         Dibenz (a, h) anthracene         53-70-3         N.D.         0.0095         0.047         ug/l         1           05381         Benzo (g, h, i) perylene         191-24-2         N.D.         0.0095         0.047         ug/l         1           05382         EPA SW846/8260 (water)         0.0095         0.047         ug/l         1           05384         Dichlorodifluoromethane         75-71-8         N.D.         1.         5.         ug/l         1           05385         Chloromethane         75-01-4         N.D.         1.         5.         ug/l         1           05386         Chloroethane         75-00-3         N.D.         1.         5.	08374	Benzo(a)anthracene	56-55-3	N.D.	0.0095	0.047	ug/l	1
08377         Benzo (k) fluoranthene         207-08-9         N.D.         0.0095         0.047         ug/l         1           08378         Benzo (a) pyrene         50-32-8         N.D.         0.0095         0.047         ug/l         1           08379         Indeno (1, 2, 3-cd) pyrene         193-39-5         N.D.         0.0095         0.047         ug/l         1           08380         Dibenz (a, h) anthracene         53-70-3         N.D.         0.0095         0.047         ug/l         1           08381         Benzo (g, h, i) perylene         191-24-2         N.D.         0.0095         0.047         ug/l         1           05382         EPA SW846/8260 (water)         .         0.0095         0.047         ug/l         1           05384         Dichlorodifluoromethane         75-71-8         N.D.         0.0095         0.047         ug/l         1           05385         Chlorodethane         74-87-3         N.D.         1.         5.         ug/l         1           05386         Vinyl Chloride         75-01-4         N.D.         1.         5.         ug/l         1           05387         Bromomethane         74-83-9         N.D.         1.         5.<	08375	Chrysene	218-01-9	N.D.	0.0095	0.047	ug/l	1
08378       Benzo(a) pyrene       50-32-8       N.D.       0.0095       0.047       ug/l       1         08379       Indeno(1,2,3-cd) pyrene       193-39-5       N.D.       0.0095       0.047       ug/l       1         08380       Dibenz(a,h) anthracene       53-70-3       N.D.       0.0095       0.047       ug/l       1         08381       Benzo(g,h,i) perylene       191-24-2       N.D.       0.0095       0.047       ug/l       1         05382       EPA SW846/8260 (water)       191-24-2       N.D.       0.0095       0.047       ug/l       1         05384       Dichlorodifluoromethane       75-71-8       N.D.       0.0095       0.047       ug/l       1         05385       Chloromethane       74-87-3       N.D.       1.       5.       ug/l       1         05386       Vinyl Chloride       75-01-4       N.D.       1.       5.       ug/l       1         05387       Bromomethane       74-87-3       N.D.       1.       5.       ug/l       1         05386       Chloroethane       75-01-4       N.D.       1.       5.       ug/l       1         05387       Bromomethane       75-00-3       N	08376	Benzo(b)fluoranthene	205-99-2	N.D.	0.0095	0.047	ug/l	1
08379       Indeno(1,2,3-cd)pyrene       193-39-5       N.D.       0.0095       0.047       ug/l       1         08380       Dibenz(a,h)anthracene       53-70-3       N.D.       0.0095       0.047       ug/l       1         08381       Benzo(g,h,i)perylene       191-24-2       N.D.       0.0095       0.047       ug/l       1         05382       EPA SW846/8260 (water)       191-24-2       N.D.       0.0095       0.047       ug/l       1         05384       Dichlorodifluoromethane       75-71-8       N.D.       2.       5.       ug/l       1         05385       Chloromethane       75-71-8       N.D.       1.       5.       ug/l       1         05386       Vinyl Chloride       75-01-4       N.D.       1.       5.       ug/l       1         05387       Bromomethane       74-83-9       N.D.       1.       5.       ug/l       1         05388       Chloroethane       75-01-4       N.D.       1.       5.       ug/l       1         05389       Trichlorofluoromethane       75-00-3       N.D.       1.       5.       ug/l       1         05389       Trichlorofluoromethane       75-35-4       N	08377	Benzo(k)fluoranthene	207-08-9	N.D.	0.0095	0.047	ug/l	1
08380       Dibenz (a, h) anthracene       53-70-3       N.D.       0.0095       0.047       ug/l       1         08381       Benzo (g, h, i) perylene       191-24-2       N.D.       0.0095       0.047       ug/l       1         05382       EPA SW846/8260 (water)	08378	Benzo(a)pyrene	50-32-8	N.D.	0.0095	0.047	ug/l	1
08381Benzo (g,h,i) perylene191-24-2N.D.0.00950.047ug/l105382EPA SW846/8260 (water)	08379	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0095	0.047	ug/l	1
05382EPA SW846/8260 (water)05384Dichlorodifluoromethane75-71-8N.D.2.5.ug/l105385Chloromethane74-87-3N.D.1.5.ug/l105386Vinyl Chloride75-01-4N.D.1.5.ug/l105387Bromomethane74-83-9N.D.1.5.ug/l105388Chloroethane75-00-3N.D.1.5.ug/l105389Trichlorofluoromethane75-69-4N.D.2.5.ug/l1053901,1-Dichloroethene75-09-2N.D.0.85.ug/l105391Methylene Chloride75-09-2N.D.2.5.ug/l105392trans-1,2-Dichloroethene156-60-5N.D.0.85.ug/l1053931,1-Dichloroethane75-34-3N.D.1.5.ug/l1	08380	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0095	0.047	ug/l	1
05384Dichlorodifluoromethane75-71-8N.D.2.5.ug/l105385Chloromethane74-87-3N.D.1.5.ug/l105386Vinyl Chloride75-01-4N.D.1.5.ug/l105387Bromomethane74-83-9N.D.1.5.ug/l105388Chloroethane75-00-3N.D.1.5.ug/l105389Trichlorofluoromethane75-69-4N.D.2.5.ug/l1053901,1-Dichloroethene75-35-4N.D.0.85.ug/l105391Methylene Chloride75-09-2N.D.2.5.ug/l105392trans-1,2-Dichloroethene156-60-5N.D.0.85.ug/l1053931,1-Dichloroethane75-34-3N.D.1.5.ug/l1	08381	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0095	0.047	ug/l	1
05385       Chloromethane       74-87-3       N.D.       1.       5.       ug/l       1         05386       Vinyl Chloride       75-01-4       N.D.       1.       5.       ug/l       1         05387       Bromomethane       74-83-9       N.D.       1.       5.       ug/l       1         05388       Chloroethane       75-00-3       N.D.       1.       5.       ug/l       1         05389       Trichlorofluoromethane       75-69-4       N.D.       2.       5.       ug/l       1         05390       1,1-Dichloroethene       75-35-4       N.D.       0.8       5.       ug/l       1         05391       Methylene Chloride       75-09-2       N.D.       2.       5.       ug/l       1         05392       trans-1,2-Dichloroethene       156-60-5       N.D.       0.8       5.       ug/l       1         05393       1,1-Dichloroethane       75-34-3       N.D.       1.       5.       ug/l       1	05382	EPA SW846/8260 (water)						
05386Vinyl Chloride75-01-4N.D.1.5.ug/l105387Bromomethane74-83-9N.D.1.5.ug/l105388Chloroethane75-00-3N.D.1.5.ug/l105389Trichlorofluoromethane75-69-4N.D.2.5.ug/l1053901,1-Dichloroethene75-35-4N.D.0.85.ug/l105391Methylene Chloride75-09-2N.D.2.5.ug/l105392trans-1,2-Dichloroethene156-60-5N.D.0.85.ug/l1053931,1-Dichloroethane75-34-3N.D.1.5.ug/l1	05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	5.	ug/l	1
05387       Broomethane       74-83-9       N.D.       1.       5.       ug/l       1         05388       Chloroethane       75-00-3       N.D.       1.       5.       ug/l       1         05389       Trichlorofluoromethane       75-69-4       N.D.       2.       5.       ug/l       1         05390       1,1-Dichloroethene       75-35-4       N.D.       0.8       5.       ug/l       1         05391       Methylene Chloride       75-09-2       N.D.       2.       5.       ug/l       1         05392       trans-1,2-Dichloroethene       156-60-5       N.D.       0.8       5.       ug/l       1         05393       1,1-Dichloroethane       75-34-3       N.D.       1.       5.       ug/l       1	05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05388       Chloroethane       75-00-3       N.D.       1.       5.       ug/l       1         05389       Trichlorofluoromethane       75-69-4       N.D.       2.       5.       ug/l       1         05390       1,1-Dichloroethene       75-35-4       N.D.       0.8       5.       ug/l       1         05391       Methylene Chloride       75-09-2       N.D.       2.       5.       ug/l       1         05392       trans-1,2-Dichloroethene       156-60-5       N.D.       0.8       5.       ug/l       1         05393       1,1-Dichloroethane       75-34-3       N.D.       1.       5.       ug/l       1	05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05389       Trichlorofluoromethane       75-69-4       N.D.       2.       5.       ug/l       1         05390       1,1-Dichloroethene       75-35-4       N.D.       0.8       5.       ug/l       1         05391       Methylene Chloride       75-09-2       N.D.       2.       5.       ug/l       1         05392       trans-1,2-Dichloroethene       156-60-5       N.D.       0.8       5.       ug/l       1         05393       1,1-Dichloroethane       75-34-3       N.D.       1.       5.       ug/l       1	05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05390       1,1-Dichloroethene       75-35-4       N.D.       0.8       5.       ug/l       1         05391       Methylene Chloride       75-09-2       N.D.       2.       5.       ug/l       1         05392       trans-1,2-Dichloroethene       156-60-5       N.D.       0.8       5.       ug/l       1         05393       1,1-Dichloroethane       75-34-3       N.D.       1.       5.       ug/l       1	05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05390       1,1-Dichloroethene       75-35-4       N.D.       0.8       5.       ug/l       1         05391       Methylene Chloride       75-09-2       N.D.       2.       5.       ug/l       1         05392       trans-1,2-Dichloroethene       156-60-5       N.D.       0.8       5.       ug/l       1         05393       1,1-Dichloroethane       75-34-3       N.D.       1.       5.       ug/l       1	05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05392         trans-1,2-Dichloroethene         156-60-5         N.D.         0.8         5.         ug/l         1           05393         1,1-Dichloroethane         75-34-3         N.D.         1.         5.         ug/l         1	05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.		1
05393 1,1-Dichloroethane 75-34-3 N.D. 1. 5. ug/l 1	05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
,	05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05394 2,2-Dichloropropane 594-20-7 N.D. 1. 5. uq/l 1	05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
	05394	2,2-Dichloropropane	594-20-7	N.D.	1.	5.	ug/l	1



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

Page 2 of 4

### Lancaster Laboratories Sample No. WW 5190662

#### 1001152-TMW-6-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 13:55 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKTM6

#### Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKTM6							
				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05397	Bromochloromethane	74-97-5	N.D.	1.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05400	1,1-Dichloropropene	563-58-6	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	4.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	4.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	4.	0.5	4.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05410	1,3-Dichloropropane	142-28-9	N.D.	1.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	4.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	4.	ug/l	1
05416	m+p-Xylene	1330-20-7	N.D.	0.5	4.	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.5	4.	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	N.D.	1.	5.	ug/l	1
05425	2-Chlorotoluene	95-49-8	N.D.	1.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	N.D.	1.	5.	ug/l	1
05427	4-Chlorotoluene	106-43-4	N.D.	1.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	N.D.	1.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	N.D.	1.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	N.D.	1.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	N.D.	1.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	N.D.	1.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1



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

Page 3 of 4

#### Lancaster Laboratories Sample No. WW 5190662

#### 1001152-TMW-6-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 13:55 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKTM6

### Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05436	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
05438	Hexachlorobutadiene	87-68-3	N.D.	2.	5.	ug/l	1
05439	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	N.D.	1.	5.	ug/l	1
08202	EPA SW 846/8260 - Water						
01587	Ethanol	64-17-5	N.D.	50.	250.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	4.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	4.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	4.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	4.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	80.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	5.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	10.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	10.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
08203	2-Chloroethyl vinyl ether is an recovered in an acid preserved Freon 113		compound and r	nay not be 2.	10.	ug/l	1

State of Washington Lab Certification No. C259 This sample was field filtered for dissolved metals. Trip blank vials were not received by the laboratory for this sample group.

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

Laboratory Chronicle



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

Page 4 of 4

### Lancaster Laboratories Sample No. WW 5190662

1001152-TMW-6-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 13:55 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

ТКТМ6 <b>сат</b>				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06035	Lead	SW-846 6020	1	11/06/2007 22:32	David K Beck	1
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	10/24/2007 02:01	Matthew E Barton	1
08357	Selected SVOAs by 8270 SIM	SW-846 8270C SIM	1	10/31/2007 05:00	William T Parker	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	10/27/2007 06:19	Holly Berry	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	10/27/2007 06:19	Holly Berry	1
00813	BNA Water Extraction	SW-846 3510C	1	10/23/2007 03:30	Sherry L Morrow	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/27/2007 06:19	Holly Berry	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 16:50	JoElla L Rice	1
06050	ICP/MS SW-846 Water	SW-846 3010A modifie	d 1	11/01/2007 19:25	James L Mertz	1



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

Page 1 of 2

#### Lancaster Laboratories Sample No. WW 5190663

#### 1001152-TMW-2-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 16:40 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

#### TKMW2

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
08357	Selected SVOAs by 8270 SIM						
08362	Naphthalene	91-20-3	0.54	0.0095	0.047	ug/l	1
08365	Acenaphthylene	208-96-8	N.D.	0.060	0.060	ug/l	1
08366	Acenaphthene	83-32-9	0.15	0.0095	0.047	ug/l	1
08368	Fluorene	86-73-7	0.60	0.0095	0.047	ug/l	1
08369	Phenanthrene	85-01-8	0.14	0.0095	0.047	ug/l	1
08370	Anthracene	120-12-7	0.020 J	0.0095	0.047	ug/l	1
08372	Fluoranthene	206-44-0	N.D.	0.0095	0.047	ug/l	1
08373	Pyrene	129-00-0	0.011 J	0.0095	0.047	ug/l	1
08374	Benzo(a)anthracene	56-55-3	N.D.	0.0095	0.047	ug/l	1
08375	Chrysene	218-01-9	N.D.	0.0095	0.047	ug/l	1
08376	Benzo(b)fluoranthene	205-99-2	N.D.	0.0095	0.047	ug/l	1
08377	Benzo(k)fluoranthene	207-08-9	N.D.	0.0095	0.047	ug/l	1
08378	Benzo(a)pyrene	50-32-8	N.D.	0.0095	0.047	ug/l	1
08379	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0095	0.047	ug/l	1
08380	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0095	0.047	ug/l	1
08381	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0095	0.047	ug/l	1
	The gurregate data is outside	the OC limite	duo to unrogo	luphlo motriv			

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

Due to the presence of an interferent near the retention time of acenaphthylene, the reporting limit was raised. This was due to the fact that the interferent had a significant abundance of ions at or near the mass of acenaphthylene.

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	r Chro	nicle		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
08357	Selected SVOAs by 8270 SIM	SW-846 8270C SIM	1	10/31/2007 05:27	William T Parker	1



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. WW 5190663

1001152-TMW-2-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 16:40 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKMW2 00813 1

BNA Water Extraction SW-846 3510C

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

1 10/23/2007 03:30 Sherry L Morrow 1



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

Page 1 of 1

#### Lancaster Laboratories Sample No. WW 5190664

1001152-TMW2-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 16:40 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKM-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel						
02095 02096	Diesel Range Organics Heavy Range Organics	n.a. n.a.	940. N.D.	75. 94.	240. 470.	ug/l ug/l	1 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				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	10/24/2007 02:20	Matthew E Barton	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 16:50	JoElla L Rice	1



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

Page 1 of 2

#### Lancaster Laboratories Sample No. WW 5190665

#### 1001152-TMW-8-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 17:10 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

### TKTM8

CAT			As Received	As Received Method	As Received Limit of	<b></b>	Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
02211	TPH by NWTPH-Dx(water) w/SiGel						
02095	Diesel Range Organics	n.a.	2,400.	76.	240.	ug/l	1
02096	Heavy Range Organics	n.a.	260. J	95.	470.	ug/l	1
08357	Selected SVOAs by 8270 SIM						
08362	Naphthalene	91-20-3	0.41	0.0095	0.047	ug/l	1
08365	Acenaphthylene	208-96-8	N.D.	0.0095	0.047	ug/l	1
08366	Acenaphthene	83-32-9	0.038 J	0.0095	0.047	ug/l	1
08368	Fluorene	86-73-7	0.11	0.0095	0.047	ug/l	1
08369	Phenanthrene	85-01-8	N.D.	0.0095	0.047	ug/l	1
08370	Anthracene	120-12-7	0.038 J	0.0095	0.047	ug/l	1
08372	Fluoranthene	206-44-0	N.D.	0.0095	0.047	ug/l	1
08373	Pyrene	129-00-0	0.011 J	0.0095	0.047	ug/l	1
08374	Benzo(a)anthracene	56-55-3	N.D.	0.0095	0.047	ug/l	1
08375	Chrysene	218-01-9	N.D.	0.0095	0.047	ug/l	1
08376	Benzo(b)fluoranthene	205-99-2	N.D.	0.0095	0.047	ug/l	1
08377	Benzo(k)fluoranthene	207-08-9	N.D.	0.0095	0.047	ug/l	1
08378	Benzo(a)pyrene	50-32-8	N.D.	0.0095	0.047	ug/l	1
08379	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0095	0.047	ug/l	1
08380	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0095	0.047	ug/l	1
08381	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0095	0.047	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 Analysis CAT Dilution Trial# Date and Time No. Analysis Name Method Analyst Factor TPH by NWTPH-Dx(water) ECY 97-602 NWTPH-Dx 1 10/24/2007 02:40 Matthew E Barton 02211 1 modified w/SiGel Selected SVOAs by 8270 SIM 08357 SW-846 8270C SIM 1 10/31/2007 05:53 William T Parker 1



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

1 1

### Lancaster Laboratories Sample No. WW 5190665

1001152-TMW-8-101707 Water Sample Facility# 1001152 Tekoa, WA

Collec	cted:10/17/2007 17:10	by KN	Account Number: 12094				
Report	ted: 10/19/2007 09:15 ted: 12/18/2007 at 07:59 td: 01/18/2008		Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583				
<b>TKTM8</b> 00813 02135	BNA Water Extraction Extraction - DRO Water Special	SW-846 3510C ECY 97-602 NWTPH-Dx 06/97	1 1	10/23/2007 03:30 10/22/2007 16:50	Sherry L Morrow JoElla L Rice	1	



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

Page 1 of 3

### Lancaster Laboratories Sample No. WW 5190666

#### 1001152-TMW-8-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 17:10 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKT-8

CAT			As Received	As Received Method	As Received Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
06035	Lead	7439-92-1	0.26 J	0.047	1.0	ug/l	1
08273	TPH by NWTPH-Gx waters						
01645	TPH by NWTPH-Gx waters	n.a.	870.	50.	250.	ug/l	1
05382	EPA SW846/8260 (water)						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	5.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05394	2,2-Dichloropropane	594-20-7	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05397	Bromochloromethane	74-97-5	N.D.	1.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05400	1,1-Dichloropropene	563-58-6	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	8.	0.5	4.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	13.	0.5	4.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	1. J	0.5	4.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05410	1,3-Dichloropropane	142-28-9	N.D.	1.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	4.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	12.	0.5	4.	ug/l	1



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

Page 2 of 3

#### Lancaster Laboratories Sample No. WW 5190666

#### 1001152-TMW-8-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 17:10 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKT-8

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKT-8					1	<b>1 . . . . . . . .</b>		
<b>63 F</b>				/	As Received	As Received		D/Jack / co
CAT	Appludia Nomo	CAS Number	AS Re Resul	ceived	Method	Limit of Quantitation	Units	Dilution
No.	Analysis Name	CAS Number	Resul	τ	Detection Limit*	Quantitation	Units	Factor
05416	m+p-Xylene	1330-20-7	4.	J	0.5	4.	ug/l	1
05417	o-Xylene	95-47-6	0.5	J	0.5	4.	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	7.		1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	5.	ug/l	1
05422	Bromobenzene	108-86-1	N.D.		1.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.		1.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	5.		1.	5.	ug/l	1
05425	2-Chlorotoluene	95-49-8	N.D.		1.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	12.		1.	5.	ug/l	1
05427	4-Chlorotoluene	106-43-4	N.D.		1.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	N.D.		1.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	12.		1.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	3.	J	1.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	3.	J	1.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.		1.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.		1.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	N.D.		1.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.		1.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		2.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	N.D.		1.	5.	ug/l	1
05438	Hexachlorobutadiene	87-68-3	N.D.		2.	5.	ug/l	1
05439	Naphthalene	91-20-3	N.D.		1.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	N.D.		1.	5.	ug/l	1
08202	EPA SW 846/8260 - Water							
01587	Ethanol	64-17-5	N.D.		50.	250.		1
01587		1634-04-4	N.D.			250. 4.	ug/l	1
	Methyl Tertiary Butyl Ether				0.5		ug/l	1
02011 02013	di-Isopropyl ether	108-20-3 637-92-3	N.D. N.D.		0.5 0.5	4. 4.	ug/l	1
02013	Ethyl t-butyl ether		N.D. N.D.			4. 4.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	м.D. 7.	J	0.5 5.	4. 80.	ug/l	1
	t-Butyl alcohol	75-65-0		J			ug/l	
06302	Acetone	67-64-1	16.	J	6.	20.	ug/l	1 1
06303	Carbon Disulfide	75-15-0	N.D.	-	1.	5.	ug/l	-
06305	2-Butanone	78-93-3	4. N D	J	3.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	10.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	10.	ug/l	1



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

Page 3 of 3

#### Lancaster Laboratories Sample No. WW 5190666

1001152-TMW-8-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 17:10 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

As Received

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

As Received

TKT-8

				NB RECEIVED	NB RECEIVED		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
	2-Chloroethyl vinyl ether is an recovered in an acid preserved		compound and m	nay not be			
08203	Freon 113	76-13-1	N.D.	2.	10.	ug/l	1

State of Washington Lab Certification No. C259 This sample was field filtered for dissolved metals. Trip blank vials were not received by the laboratory for this sample group.

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 Analysis Dilution No. Analysis Name Method Trial# Date and Time Analyst Factor 11/06/2007 22:35 06035 Lead SW-846 6020 1 David K Beck 1 08273 TPH by NWTPH-Gx waters ECY 97-602 NWTPH-Gx 10/24/2007 04:34 Steven A Skiles 1 1 modified Holly Berry 05382 EPA SW846/8260 (water) SW-846 8260B 1 10/27/2007 06:43 1 08202 EPA SW 846/8260 - Water SW-846 8260B 1 10/27/2007 06:43 Holly Berry 1 Steven A Skiles SW-846 5030B 1 10/24/2007 04:34 GC VOA Water Prep 1 01146 01163 GC/MS VOA Water Prep SW-846 5030B 1 10/27/2007 06:43 Holly Berry 1 SW-846 3010A modified 1 ICP/MS SW-846 Water 11/01/2007 19:25 06050 James L Mertz 1



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

Page 1 of 3

### Lancaster Laboratories Sample No. WW 5190667

#### 1001152-TMW-2-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 16:40 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKW-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
08273	TPH by NWTPH-Gx waters						
01645	TPH by NWTPH-Gx waters	n.a.	2,700.	50.	250.	ug/l	1
05382	EPA SW846/8260 (water)						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	5.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05394	2,2-Dichloropropane	594-20-7	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05397	Bromochloromethane	74-97-5	N.D.	1.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05400	1,1-Dichloropropene	563-58-6	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	23.	0.5	4.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	4.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	1. J	0.5	4.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05410	1,3-Dichloropropane	142-28-9	N.D.	1.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	4.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	52.	0.5	4.	ug/l	1
05416	m+p-Xylene	1330-20-7	210.	0.5	4.	ug/l	1

\*=This limit was used in the evaluation of the final result



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

Page 2 of 3

#### Lancaster Laboratories Sample No. WW 5190667

1001152-TMW-2-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 16:40 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TKW-2

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKW-2				<b>b</b>			
CAT			De Dendered	As Received Method	As Received Limit of		Dilution
No.	Analysis Name	CAS Number	As Received Result	Metnoa Detection	Quantitation	Units	Dilution Factor
NO.	Analysis Name	CAS Number	Result	Limit*	Quantitation	UNICS	Factor
05417	o-Xylene	95-47-6	110.	0.5	4.	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	18.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	21.	1.	5.	ug/l	1
05425	2-Chlorotoluene	95-49-8	N.D.	1.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	42.	1.	5.	ug/l	1
05427	4-Chlorotoluene	106-43-4	N.D.	1.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	N.D.	1.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	120.	1.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	7.	1.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	6.	1.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	5. J	1.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
05438	Hexachlorobutadiene	87-68-3	N.D.	2.	5.	ug/l	1
05439	Naphthalene	91-20-3	24.	1.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	N.D.	1.	5.	ug/l	1
08202	EPA SW 846/8260 - Water						
01587	Ethanol	64-17-5	N.D.	50.	250.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	4.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	4.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	4.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	4.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	80.	ug/l	1
06302	Acetone	67-64-1	21.	6.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	5.	ug/l	1
06305	2-Butanone	78-93-3	4. J	3.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	10.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	10.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

\*=This limit was used in the evaluation of the final result



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

Page 3 of 3

Lancaster Laboratories Sample No. WW 5190667

1001152-TMW-2-101707 Water Sample Facility# 1001152 Tekoa, WA

Collected:10/17/2007 16:40 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TKW-2

CAT			As Received	As Received Method	As Received Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
	2-Chloroethyl vinyl ether is an recovered in an acid preserved		compound and a	may not be			
08203	Freon 113	76-13-1	N.D.	2.	10.	ug/l	1

State of Washington Lab Certification No. C259 Trip blank vials were not received by the laboratory for this sample group.

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

Laboratory Chronicle

		Laboracory	CIILO			
CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	10/24/2007 05:04	Steven A Skiles	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	10/28/2007 02:53	Stephanie A Selis	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	10/28/2007 02:53	Stephanie A Selis	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/24/2007 05:04	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/28/2007 02:53	Stephanie A Selis	1



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

Page 1 of 4

### Lancaster Laboratories Sample No. SW 5190668

1001152-SB-13-6-6.5-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 11:21 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK136

CAT			As Received	As Received Method	As Received Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
06135	Lead	7439-92-1	17.5	0.147	0.980	mg/kg	10
02005	TPH by NWTPH-Gx soils						
01659	TPH by NWTPH-Gx soils The analysis was requested with The sample was analyzed 1 day o			5	5.0 ime.	mg/kg	25
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097	Diesel Range Organics	n.a.	N.D.	3.0	7.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	30.	mg/kg	1
02858	Selected SVOA's in soil by SIM						
02863	Naphthalene	91-20-3	0.0011 J	0.00067	0.0017	mg/kg	1
02867	Acenaphthylene	208-96-8	0.0012 J	0.00033	0.0017	mg/kg	1
02868	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	mg/kg	1
02870	Fluorene	86-73-7	N.D.	0.00067	0.0017	mg/kg	1
02871	Phenanthrene	85-01-8	0.0010 J	0.00067	0.0017	mg/kg	1
02872	Anthracene	120-12-7	N.D.	0.00033	0.0017	mg/kg	1
02874	Fluoranthene	206-44-0	0.00073 J	0.00067	0.0017	mg/kg	1
02875	Pyrene	129-00-0	0.00085 J	0.00067	0.0017	mg/kg	1
02876	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	mg/kg	1
02877	Chrysene	218-01-9	0.00080 J	0.00033	0.0017	mg/kg	1
02878	Benzo(b)fluoranthene	205-99-2	0.00073 J	0.00067	0.0017	mg/kg	1
02879	Benzo(k)fluoranthene	207-08-9	0.0012 J	0.00067	0.0017	mg/kg	1
02880	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	mg/kg	1
02881	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	mg/kg	1
02882	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	mg/kg	1
02883	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	mg/kg	1
03983	EPA SW 846/8260 - Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0004	0.004	mg/kg	0.85
02017	di-Isopropyl ether	108-20-3	N.D.	0.0008	0.004	mg/kg	0.85
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.0008	0.004	mg/kg	0.85
02019	t-Amyl methyl ether	994-05-8	N.D.	0.0008	0.004	mg/kg	0.85
02020	t-Butyl alcohol	75-65-0	N.D.	0.017	0.085	mg/kg	0.85

\*=This limit was used in the evaluation of the final result



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

Page 2 of 4

### Lancaster Laboratories Sample No. SW 5190668

1001152-SB-13-6-6.5-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 11:21 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK136

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

11(100				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
06089	Ethanol	64-17-5	N.D.	0.085	0.42	mg/kg	0.85
06293	Acetone	67-64-1	0.053	0.006	0.017	mg/kg	0.85
06294	Carbon Disulfide	75-15-0	N.D.	0.0008	0.004	mg/kg	0.85
06296	2-Butanone	78-93-3	0.005 J	0.003	0.008	mg/kg	0.85
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0008	0.004	mg/kg	0.85
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0008	0.004	mg/kg	0.85
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.008	mg/kg	0.85
06300	2-Hexanone	591-78-6	N.D.	0.003	0.008	mg/kg	0.85
08199	Freon 113	76-13-1	N.D.	0.002	0.008	mg/kg	0.85
05441	EPA SW846/8260 (soil)						
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.002	0.004	mg/kg	0.85
05444	Chloromethane	74-87-3	N.D.	0.002	0.004	mg/kg	0.85
05445	Vinyl Chloride	75-01-4	N.D.	0.0008	0.004	mg/kg	0.85
05446	Bromomethane	74-83-9	N.D.	0.002	0.004	mg/kg	0.85
05447	Chloroethane	75-00-3	N.D.	0.002	0.004	mg/kg	0.85
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.004	mg/kg	0.85
05449	1,1-Dichloroethene	75-35-4	N.D.	0.0008	0.004	mg/kg	0.85
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.004	mg/kg	0.85
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0008	0.004	mg/kg	0.85
05452	1,1-Dichloroethane	75-34-3	N.D.	0.0008	0.004	mg/kg	0.85
05453	2,2-Dichloropropane	594-20-7	N.D.	0.0008	0.004	mg/kg	0.85
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0008	0.004	mg/kg	0.85
05455	Chloroform	67-66-3	N.D.	0.0008	0.004	mg/kg	0.85
05456	Bromochloromethane	74-97-5	N.D.	0.0008	0.004	mg/kg	0.85
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.0008	0.004	mg/kg	0.85
05458	Carbon Tetrachloride	56-23-5	N.D.	0.0008	0.004	mg/kg	0.85
05459	1,1-Dichloropropene	563-58-6	N.D.	0.0008	0.004	mg/kg	0.85
05460	Benzene	71-43-2	N.D.	0.0004	0.004	mg/kg	0.85
05461	1,2-Dichloroethane	107-06-2	N.D.	0.0008	0.004	mg/kg	0.85
05462	Trichloroethene	79-01-6	N.D.	0.0008	0.004	mg/kg	0.85
05463	1,2-Dichloropropane	78-87-5	N.D.	0.0008	0.004	mg/kg	0.85
05464	Dibromomethane	74-95-3	N.D.	0.0008	0.004	mg/kg	0.85
05465	Bromodichloromethane	75-27-4	N.D.	0.0008	0.004	mg/kg	0.85
05466	Toluene	108-88-3	N.D.	0.0008	0.004	mg/kg	0.85
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.0008	0.004	mg/kg	0.85
05468	Tetrachloroethene	127-18-4	N.D.	0.0008	0.004	mg/kg	0.85
05469	1,3-Dichloropropane	142-28-9	N.D.	0.0008	0.004	mg/kg	0.85
05470	Dibromochloromethane	124-48-1	N.D.	0.0008	0.004	mg/kg	0.85
05471	1,2-Dibromoethane	106-93-4	N.D.	0.0008	0.004	mg/kg	0.85



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

Page 3 of 4

#### Lancaster Laboratories Sample No. SW 5190668

1001152-SB-13-6-6.5-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 11:21 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK136

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

111200				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
05472	Chlorobenzene	108-90-7	N.D.	0.0008	0.004	mg/kg	0.85
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.0008	0.004	mg/kg	0.85
05474	Ethylbenzene	100-41-4	N.D.	0.0008	0.004	mg/kg	0.85
05475	m+p-Xylene	1330-20-7	N.D.	0.0008	0.004	mg/kg	0.85
05476	o-Xylene	95-47-6	N.D.	0.0008	0.004	mg/kg	0.85
05477	Styrene	100-42-5	N.D.	0.0008	0.004	mg/kg	0.85
05478	Bromoform	75-25-2	N.D.	0.0008	0.004	mg/kg	0.85
05479	Isopropylbenzene	98-82-8	N.D.	0.0008	0.004	mg/kg	0.85
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0008	0.004	mg/kg	0.85
05481	Bromobenzene	108-86-1	N.D.	0.0008	0.004	mg/kg	0.85
05482	1,2,3-Trichloropropane	96-18-4	N.D.	0.0008	0.004	mg/kg	0.85
05483	n-Propylbenzene	103-65-1	N.D.	0.0008	0.004	mg/kg	0.85
05484	2-Chlorotoluene	95-49-8	N.D.	0.0008	0.004	mg/kg	0.85
05485	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.0008	0.004	mg/kg	0.85
05486	4-Chlorotoluene	106-43-4	N.D.	0.0008	0.004	mg/kg	0.85
05487	tert-Butylbenzene	98-06-6	N.D.	0.0008	0.004	mg/kg	0.85
05488	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.0008	0.004	mg/kg	0.85
05489	sec-Butylbenzene	135-98-8	N.D.	0.0008	0.004	mg/kg	0.85
05490	p-Isopropyltoluene	99-87-6	N.D.	0.0008	0.004	mg/kg	0.85
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.0008	0.004	mg/kg	0.85
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.0008	0.004	mg/kg	0.85
05493	n-Butylbenzene	104-51-8	N.D.	0.0008	0.004	mg/kg	0.85
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.0008	0.004	mg/kg	0.85
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.004	mg/kg	0.85
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.0008	0.004	mg/kg	0.85
05497	Hexachlorobutadiene	87-68-3	N.D.	0.002	0.004	mg/kg	0.85
05498	Naphthalene	91-20-3	N.D.	0.0008	0.004	mg/kg	0.85
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.0008	0.004	mg/kg	0.85
	2-Chloroethyl winyl ether is a	n acid labile	compound and	cannot be report	- ed		

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.



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

Page 4 of 4

### Lancaster Laboratories Sample No. SW 5190668

1001152-SB-13-6-6.5-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 11:21 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

### TK136

San Ramon CA 94583

Chevron

Account Number: 12094

6001 Bollinger Canyon Rd L4310

TICTOO						
		Laboratory	Chro	nicle		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06135	Lead	SW-846 6020	1	11/05/2007 19:46	David K Beck	10
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/31/2007 12:54	Linda C Pape	25
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/07/2007 15:46	Heather E Williams	1
02858	Selected SVOA's in soil by SIM	SW-846 8270C SIM	1	10/24/2007 03:04	William T Parker	1
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/24/2007 18:39	Kenneth L Boley Jr	0.85
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	10/24/2007 18:39	Kenneth L Boley Jr	0.85
00381	BNA Soil Extraction	SW-846 3550B	1	10/22/2007 16:50	Adrienne E Fellenbau	m 1
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/30/2007 16:17	Lois E Hiltz	n.a.
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	10/16/2007 11:21	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	10/16/2007 11:21	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	3	10/16/2007 11:21	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	4	10/16/2007 11:21	Client Supplied	1
06150	ICP/MS SW-846 Solid digest	SW-846 3050B	1	11/01/2007 20:20	Annamaria Stipkovits	1
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 09:30	Denise L Trimby	1



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

Page 1 of 2

#### Lancaster Laboratories Sample No. SW 5190669

1001152-SB-2-7.5-8-101507 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/15/2007 14:46 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK-27

Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Lead	7439-92-1	7.58	0.147	0.980	mg/kg	10
Selected SVOA's in soil by SIM						
Naphthalene	91-20-3	0.23	0.00067	0.0017	mg/kg	1
Acenaphthylene	208-96-8	N.D.	0.0090	0.0090	mg/kg	1
Acenaphthene	83-32-9	0.015	0.00067	0.0017	mg/kg	1
Fluorene	86-73-7	0.052	0.00067	0.0017	mg/kg	1
Phenanthrene	85-01-8	0.033	0.00067	0.0017	mg/kg	1
Anthracene	120-12-7	0.0016 J	0.00033	0.0017	mg/kg	1
Fluoranthene	206-44-0	0.00079 J	0.00067	0.0017	mg/kg	1
Pyrene	129-00-0	0.00088 J	0.00067	0.0017	mg/kg	1
Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	mg/kg	1
Chrysene	218-01-9	0.00051 J	0.00033	0.0017	mg/kg	1
Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	mg/kg	1
Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	mg/kg	1
Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	mg/kg	1
Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	mg/kg	1
Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	mg/kg	1
Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	mg/kg	1
The surrogate data is outside	the QC limits	due to unreso	lvable matrix			
	Lead Selected SVOA's in soil by SIM Naphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a) anthracene Chrysene Benzo(b) fluoranthene Benzo(k) fluoranthene Benzo(a) pyrene Indeno(1,2,3-cd) pyrene Dibenz(a,h) anthracene Benzo(g,h,i) perylene	Lead 7439-92-1 Selected SVOA's in soil by SIM 91-20-3 Acenaphthalene 91-20-3 Acenaphthylene 208-96-8 Acenaphthene 83-32-9 Fluorene 86-73-7 Phenanthrene 85-01-8 Anthracene 120-12-7 Fluoranthene 206-44-0 Pyrene 129-00-0 Benzo (a) anthracene 56-55-3 Chrysene 218-01-9 Benzo (b) fluoranthene 205-99-2 Benzo (b) fluoranthene 207-08-9 Benzo (a) pyrene 50-32-8 Indeno (1, 2, 3-cd) pyrene 193-39-5 Dibenz (a, h) anthracene 53-70-3 Benzo (g, h, i) perylene 191-24-2	Analysis NameCAS NumberResultLead7439-92-17.58Selected SVOA's in soil by SIM	Analysis Name         CAS Number         As Received         Method           Lead         7439-92-1         7.58         0.147           Selected SVOA's in soil by SIM         91-20-3         0.23         0.00067           Acenaphthylene         208-96-8         N.D.         0.00067           Acenaphthylene         83-32-9         0.015         0.00067           Fluorene         86-73-7         0.052         0.00067           Phenanthrene         85-01-8         0.0007         0.00067           Anthracene         120-12-7         0.0016 J         0.00033           Fluoranthene         206-44-0         0.00079 J         0.00067           Pyrene         129-00-0         0.00088 J         0.00067           Benzo (a) anthracene         56-55-3         N.D.         0.00067           Chrysene         218-01-9         0.00051 J         0.00033           Benzo (b) fluoranthene         207-08-9         N.D.         0.00067           Benzo (a) anthracene         50-32-8         N.D.         0.00067           Benzo (a) pyrene         193-39-5         N.D.         0.00067           Benzo (a) pyrene         50-32-8         N.D.         0.00067           Benzo (a) pyren	As Received Analysis Name         As Received CAS Number         Method Result         Detection Limit*         Limit of Quantitation           Lead         7439-92-1         7.58         0.147         0.980           Selected SVOA's in soil by SIM         91-20-3         0.23         0.00067         0.0017           Acenaphthylene         208-96-8         N.D.         0.00067         0.0017           Acenaphthylene         83-32-9         0.015         0.00067         0.0017           Fluorene         86-73-7         0.052         0.00067         0.0017           Phenanthrene         85-01-8         0.033         0.00067         0.0017           Prene         120-12-7         0.0016 J         0.00033         0.0017           Pyrene         120-00-0         0.00088 J         0.00067         0.0017           Pyrene         129-00-0         0.00088 J         0.00067         0.0017           Benzo (a) anthracene         56-55-3         N.D.         0.00067         0.0017           Benzo (b) fluoranthene         205-99-2         N.D.         0.00067         0.0017           Benzo (b) fluoranthene         205-99-2         N.D.         0.00067         0.0017           Benzo (k) fluoranthene	As Received Analysis Name         As Received CAS Number         Method Result         Limit of Detection Limit*         Limit of Quantitation         Units           Lead         7439-92-1         7.58         0.147         0.980         mg/kg           Selected SVOA's in soil by SIM            0.147         0.980         mg/kg           Naphthalene         91-20-3         0.23         0.00067         0.0017         mg/kg           Acenaphthylene         208-96-8         N.D.         0.0090         0.0090         mg/kg           Acenaphthylene         83-32-9         0.015         0.00067         0.0017         mg/kg           Phenanthrene         85-01-8         0.033         0.00067         0.0017         mg/kg           Phenanthrene         120-12-7         0.0016 J         0.00033         0.0017         mg/kg           Fluoranthene         206-44-0         0.00079 J         0.00067         0.0017         mg/kg           Pyrene         129-00-0         0.00088 J         0.00067         0.0017         mg/kg           Benzo (a) anthracene         56-55-3         N.D.         0.00067         0.0017         mg/kg           Benzo (b) fluoranthene         207-08-9         N.

problems evident in the sample chromatogram.

Due to the presence of an interferent near the retention time of acenaphthylene, the reporting limit was raised. This was due to the fact that the interferent had a significant abundance of ions at or near the mass of acenaphthylene.

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



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 5190669

1001152-SB-2-7.5-8-101507 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/15/2007 14:46 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 07:59 Discard: 01/18/2008

TK-27

CAT			
No.	Analysis Name	Method	
06135	Lead	SW-846 6	5020
02858	Selected SVOA's in soil by SIM	SW-846 8	8270C SIM
00381	BNA Soil Extraction	SW-846 3	3550B
06150	ICP/MS SW-846 Solid digest	SW-846 3	3050B

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

Analysis D								
nod		Trial#	Date and Time	Analyst	Factor			
346	6020	1	11/05/2007 19:49	David K Beck	10			
346	8270C SIM	1	10/31/2007 16:47	Timothy J Trees	1			
346	3550B	1	10/22/2007 16:50	Adrienne E Fellenbaum	1 1			
346	3050B	1	11/01/2007 20:20	Annamaria Stipkovits	1			



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

Page 1 of 2

#### Lancaster Laboratories Sample No. SW 5190670

#### 1001152-SB-4-6-7-101507 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/15	/2007	17:13	by KN
-----------------	-------	-------	-------

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 08:00 Discard: 01/18/2008 Account Number: 12094 Chevron

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK-46

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
06135	Lead	7439-92-1	9.89	0.146	0.971	mg/kg	10
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097	Diesel Range Organics	n.a.	230.	36.	84.	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	120.	360.	mg/kg	1
	Due to the nature of the sample	e matrix, a re	educed aliquot	was used		5. 5	
	for analysis. The reporting 1:						
			5	-			
02858	Selected SVOA's in soil by SIM						
02863	Naphthalene	91-20-3	0.20	0.00067	0.0017	mg/kg	1
02867	Acenaphthylene	208-96-8	N.D.	0.015	0.015	mg/kg	1
02868	Acenaphthene	83-32-9	0.032	0.00067	0.0017	mg/kg	1
02870	Fluorene	86-73-7	0.10	0.00067	0.0017	mg/kg	1
02871	Phenanthrene	85-01-8	0.27	0.00067	0.0017	mg/kg	1
02872	Anthracene	120-12-7	0.015	0.00033	0.0017	mg/kg	1
02874	Fluoranthene	206-44-0	0.023	0.00067	0.0017	mg/kg	1
02875	Pyrene	129-00-0	0.022	0.00067	0.0017	mg/kg	1
02876	Benzo(a)anthracene	56-55-3	0.0067	0.00067	0.0017	mg/kg	1
02877	Chrysene	218-01-9	0.012	0.00033	0.0017	mg/kg	1
02878	Benzo(b)fluoranthene	205-99-2	0.012	0.00067	0.0017	mg/kg	1
02879	Benzo(k)fluoranthene	207-08-9	0.0055	0.00067	0.0017	mg/kg	1
02880	Benzo(a)pyrene	50-32-8	0.0073	0.00067	0.0017	mg/kg	1
02881	Indeno(1,2,3-cd)pyrene	193-39-5	0.0047	0.00067	0.0017	mg/kg	1
02882	Dibenz(a,h)anthracene	53-70-3	0.0014 J	0.00067	0.0017	mg/kg	1
02883	Benzo(g,h,i)perylene	191-24-2	0.0049	0.00067	0.0017	mg/kg	1
	The surrogate data is outside t	the OC limits	due to unrego	lushle matrix			

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

Due to the presence of an interferent near the retention time of acenaphthylene, the reporting limit was raised. This was due to the fact that the interferent had a significant abundance of ions at or near the mass of acenaphthylene.

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality



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 5190670

1001152-SB-4-6-7-101507 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/15/2007 17:13 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 08:00 Discard: 01/18/2008

TK-46

Chevron

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

Account Number: 12094

				As Received	As Received		
CAT			As Received	Method	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
	Control Summary for overall QC	performance	data and assoc	lated samples.			

Laboratory Chronicle

		Laboracory	CIII O.			
CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06135	Lead	SW-846 6020	1	11/05/2007 19:51	David K Beck	10
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/07/2007 16:06	Heather E Williams	1
02858	Selected SVOA's in soil by SIM	SW-846 8270C SIM	1	10/31/2007 17:13	Timothy J Trees	1
00381	BNA Soil Extraction	SW-846 3550B	1	10/22/2007 16:50	Adrienne E Fellenbaur	n 1
06150	ICP/MS SW-846 Solid digest	SW-846 3050B	1	11/01/2007 20:20	Annamaria Stipkovits	1
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 09:30	Denise L Trimby	1



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

Page 1 of 2

#### Lancaster Laboratories Sample No. SW 5190672

1001152-SB-12-6-6.4-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 09:44 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 08:00 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK126

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor	
02005	TPH by NWTPH-Gx soils							
01659	TPH by NWTPH-Gx soils The analysis was requested wit The sample was analyzed 1 day			5	5.0 ime.	mg/kg	25	
02214	TPH by NWTPH-Dx(soils) w/SiGel							
02097	Diesel Range Organics	n.a.	N.D.	3.0	7.0	mq/kq	1	
02098	Heavy Range Organics	n.a.	N.D.	10.	30.	mg/kg	1	
07360	BTEX+MTBE by 8260B							
05460	Benzene	71-43-2	0.0006 J	0.0003	0.003	mq/kq	0.51	
05466	Toluene	108-88-3	0.012	0.0005	0.003	mg/kg	0.51	
05474	Ethylbenzene	100-41-4	0.006	0.0005	0.003	mg/kg	0.51	
06301	Xylene (Total)	1330-20-7	0.006	0.0005	0.003	mg/kg	0.51	
	The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample. The areas for chlorobenzene-d5 and 1,4-dichlorobenzene-d4 were less than 15% of the respective areas in the continuing calibration standard.							
	The analysis could not be perf because no sample volume was s			level method,				
	Toluene is detected in the met 0.002 mg/kg. The blank value w				ε.			
	State of Washington Lab Certif	ication No. C2	259					

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



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 5190672

1001152-SB-12-6-6.4-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 09:44 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 08:00 Discard: 01/18/2008

### TK126

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

CAT				Analysis		Dilutio
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/31/2007 13:35	Linda C Pape	25
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/09/2007 10:18	Heather E Williams	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	10/30/2007 23:31	Susan McMahon-Luu	0.51
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/30/2007 16:19	Lois E Hiltz	n.a.
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	10/16/2007 09:44	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	10/16/2007 09:44	Client Supplied	1
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 22:50	Karen L Beyer	1



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

Page 1 of 2

#### Lancaster Laboratories Sample No. SW 5190674

1001152-SB6-6-6.5-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 08:42 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 08:00 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK6-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02005	TPH by NWTPH-Gx soils						
01659	TPH by NWTPH-Gx soils The analysis was requested with The sample was analyzed 1 day o			5	5.0 ime.	mg/kg	25
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097	Diesel Range Organics	n.a.	N.D.	3.0	7.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	30.	mg/kg	1
07360	BTEX+MTBE by 8260B						
05460	Benzene	71-43-2	N.D.	0.025	0.25	mg/kg	50.71
05466	Toluene	108-88-3	N.D.	0.051	0.25	mg/kg	50.71
05474	Ethylbenzene	100-41-4	N.D.	0.051	0.25	mg/kg	50.71
06301	Xylene (Total) The surrogate standards were sy dilution.	1330-20-7 piked during t	N.D. The preparation	0.051 n of the sample	0.25	mg/kg	50.71

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	Chro	nicle		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/31/2007 14:16	Linda C Pape	25
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/09/2007 10:37	Heather E Williams	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	10/30/2007 18:00	Susan McMahon-Luu	50.71
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/30/2007 16:23	Lois E Hiltz	n.a.
06171	GC/MS - Field Preserved MeOH	SW-846 5035A	1	10/16/2007 08:42	Client Supplied	1

\*=This limit was used in the evaluation of the final result



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 5190674

1001152-SB6-6-6.5-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collec	cted:10/16/2007 08:42	by KN	A	account Number: 1	2094	
Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 08:00 Discard: 01/18/2008		0	Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583			
TK6-6						
06171	GC/MS - Field Preserved MeOH	SW-846 5035A	2	10/16/2007 08:42	Client Supplied	1
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/22/2007 22:50	Karen L Beyer	1



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

Page 1 of 2

#### Lancaster Laboratories Sample No. SW 5190677

1001152-SB11-5.8-6.2-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10	/16/	2007	10:37	by KN
--------------	------	------	-------	-------

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 08:00 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02005	TPH by NWTPH-Gx soils						
01659	TPH by NWTPH-Gx soils The analysis was requested with The sample was analyzed 1 day o			-	5.0 ime.	mg/kg	25
02214	TPH by NWTPH-Dx(soils) w/SiGel						
02097	Diesel Range Organics	n.a.	N.D.	3.0	7.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	30.	mg/kg	1
07360	BTEX+MTBE by 8260B						
05460	Benzene	71-43-2	N.D.	0.025	0.25	mg/kg	50.57
05466	Toluene	108-88-3	N.D.	0.051	0.25	mg/kg	50.57
05474	Ethylbenzene	100-41-4	N.D.	0.051	0.25	mg/kg	50.57
06301	Xylene (Total)	1330-20-7	N.D.	0.051	0.25	mg/kg	50.57
	The surrogate standards were sp dilution.	piked during t	the preparation	n of the sample			

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	Chro	nicle		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	10/31/2007 17:07	Linda C Pape	25
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	11/09/2007 11:17	Heather E Williams	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	10/30/2007 18:22	Susan McMahon-Luu	50.57
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/30/2007 16:26	Lois E Hiltz	n.a.
06171	GC/MS - Field Preserved MeOH	SW-846 5035A	1	10/16/2007 10:37	Client Supplied	1

\*=This limit was used in the evaluation of the final result



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 5190677

1001152-SB11-5.8-6.2-101607 Soil Sample Facility# 1001152 Tekoa, WA

Colle	cted:10/16/2007 10:37	by KN	A	account Number: 1	2094	
Report	tted: 10/19/2007 09:15 ted: 12/18/2007 at 08:0 rd: 01/18/2008	0	6	hevron 001 Bollinger Ca an Ramon CA 9458	1	
TK115						
06171	GC/MS - Field Preserved MeOH	SW-846 5035A	2	10/16/2007 10:37	Client Supplied	1
07024	DRO Alternate Soil Extraction	ECY 97-602 NWTPH-Dx 06/97	1	10/23/2007 11:00	Olivia Arosemena	1



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

Page 1 of 1

### Lancaster Laboratories Sample No. SW 5190680

1001152-SB10-6-6.5-101507 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/15/2007 15:53 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 08:00 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

T10-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05441	EPA SW846/8260 (soil)						
05460	Benzene	71-43-2	N.D.	0.013	0.13	mg/kg	25.59
05466	Toluene	108-88-3	N.D.	0.026	0.13	mg/kg	25.59
05474	Ethylbenzene	100-41-4	0.13	0.026	0.13	mg/kg	25.59
05475	m+p-Xylene	1330-20-7	0.19	0.026	0.13	mg/kg	25.59
05476	o-Xylene	95-47-6	0.035 J	0.026	0.13	mg/kg	25.59

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

		Laboracor ,	0111 0	112020		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	10/26/2007 06:56	Susan McMahon-Luu	25.59
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	10/15/2007 15:53	Client Supplied	1
07579	GC/MS-Field PreservedMeOH- NC	SW-846 5035A	1	10/15/2007 15:53	Client Supplied	1
07579	GC/MS-Field PreservedMeOH- NC	SW-846 5035A	2	10/15/2007 15:53	Client Supplied	1



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

Page 1 of 1

#### Lancaster Laboratories Sample No. SW 5190681

1001152-SB14-6-6.5-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 12:20 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 08:00 Discard: 01/18/2008 Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

T14-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07360	BTEX+MTBE by 8260B						
05460	Benzene	71-43-2	0.0007 J	0.0003	0.003	mg/kg	0.58
05466	Toluene	108-88-3	0.017	0.0006	0.003	mg/kg	0.58
05474	Ethylbenzene	100-41-4	0.006	0.0006	0.003	mg/kg	0.58
06301	Xylene (Total)	1330-20-7	0.007	0.0006	0.003	mg/kg	0.58
	The GC/MS volatile internal sta	andard peak a	reas were outs:	ide the QC limit	s		
	for both the initial analysis a	and the re-and	alysis. The val	lues reported he	re		
	are from the initial analysis of	of the sample	. The areas fo	or chlorobenzene	-d5		
	and 1,4-dichlorobenzene-d4 were	e less than 19	5% of the respe	ective areas in	the		

continuing calibration standard.

The analysis could not be performed according to the high level method, because no sample volume was submitted for that analysis.

Toluene is detected in the method blank at an estimated concentration of 0.002 mg/kg. The blank value was not subtracted from the analytical result.

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	Chro	nicle					
CAT	Analysis								
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor			
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	10/30/2007 22:45	Susan McMahon-Luu	0.58			
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	10/16/2007 12:20	Client Supplied	1			
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	10/16/2007 12:20	Client Supplied	1			



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

Page 1 of 1

#### Lancaster Laboratories Sample No. SW 5190684

1001152-SB3-5.10-6.4-101607 Soil Sample Facility# 1001152 Tekoa, WA

Collected:10/16/2007 15:18 by KN

Submitted: 10/19/2007 09:15 Reported: 12/18/2007 at 08:00 Discard: 01/18/2008

Account Number: 12094

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

TK-35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07360	BTEX+MTBE by 8260B						
05460	Benzene	71-43-2	0.0008 J	0.0003	0.003	mg/kg	0.6
05466	Toluene	108-88-3	0.011	0.0006	0.003	mg/kg	0.6
05474	Ethylbenzene	100-41-4	0.006	0.0006	0.003	mg/kg	0.6
06301	Xylene (Total)	1330-20-7	0.006	0.0006	0.003	mg/kg	0.6
	The GC/MS volatile internal st	andard peak a:	reas were outs:	ide the QC limit	S		
	for both the initial analysis	and the re-and	alysis. The val	lues reported he	re		
	are from the initial analysis	of the sample	. The areas fo	or chlorobenzene	-d5		
	and 1,4-dichlorobenzene-d4 wer	e less than 1	5% of the resp	ective areas in	the		
	continuing calibration standar	d.					

The analysis could not be performed according to the high level method,

because no sample volume was submitted for that analysis.

Toluene is detected in the method blank at an estimated concentration of 0.002 mg/kg. The blank value was not subtracted from the analytical result.

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	Chro	nicle				
CAT Analysis								
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor		
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	10/30/2007 23:08	Susan McMahon-Luu	0.6		
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	10/16/2007 15:18	Client Supplied	1		
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	10/16/2007 15:18	Client Supplied	1		



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

Page 1 of 20

### Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

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 <u>Result</u>	Blank MDL**	Blank LOO	Report <u>Units</u>	LCS <u>%REC</u>	LCSD <u>%REC</u>	LCS/LCSD <u>Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 07292A33B TPH by NWTPH-Gx soils	Sample num N.D.	per(s): 51 1.0	90636,519 5.0	0638 mg/kg	106		67-119		
Batch number: 072930008A Diesel Range Organics Heavy Range Organics	Sample num N.D. N.D.	per(s): 51 3.0 10.	90633,519 7.0 30.	0636 mg/kg mg/kg	89		60-120		
Batch number: 072930021A Diesel Range Organics Heavy Range Organics	Sample num N.D. N.D.	per(s): 51 3.0 10.	90648,519 7.0 30.	0650,5190658 mg/kg mg/kg	8-51906 84	59,5190	0668,5190670 60-120	)	
Batch number: 072950004A	Sample num 5190665	per(s): 51	90651-519	0652,5190654	-51906	55,5190	661-5190662	2,51900	564-
Diesel Range Organics Heavy Range Organics	N.D. N.D.	80. 100.	250. 500.	ug/l ug/l	79	85	61-106	8	20
Batch number: 072950014A Diesel Range Organics Heavy Range Organics	Sample num N.D. N.D.	per(s): 51 3.0 10.	90643,519 7.0 30.	0645,5190672 mg/kg mg/kg	2,51906 74	74	60-120		
Batch number: 072950028A Diesel Range Organics Heavy Range Organics	Sample num N.D. N.D.	per(s): 51 3.0 10.	90647,519 7.0 30.	0677 mg/kg mg/kg	72		60-120		
Batch number: 07295SLB026 Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a) anthracene Chrysene Benzo(b) fluoranthene Benzo(k) fluoranthene Benzo(a) pyrene Indeno(1,2,3-cd) pyrene Dibenz(a,h) anthracene Benzo(g,h,i) perylene	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.00067 0.00067 0.00067 0.00067 0.00067 0.00067 0.00067 0.00067 0.00067 0.00067 0.00067 0.00067 0.00067 0.00067 0.00067 0.00067	0.0017 0.0017	0644,5190668 mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	86 90 87 93 94 90 94 94 97 97 97 97 92 98 99 99 97		63-116 64-119 61-109 65-120 62-132 64-118 73-105 71-124 65-127 74-120 75-126 72-134 72-128 59-126 62-132 35-137 62-135		
Batch number: 07295WAF026 Naphthalene Acenaphthylene Acenaphthene	Sample numb N.D. N.D. N.D. N.D.	per(s): 51 0.010 0.010 0.010	90651-519 0.050 0.050 0.050 0.050	0652,5190654 ug/l ug/l ug/l ug/l	85 85 95 86	61-5190 85 95 87	0663,5190665 68-120 65-113 71-122	5 0 0 1	30 30 30

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 2 of 20

## Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	<b>Blank</b> LOO	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Fluorene	N.D.	0.010	0.050	uq/l	91	91	71-124	1	30
Phenanthrene	N.D.	0.010	0.050	uq/l	88	89	70-125	0	30
Anthracene	N.D.	0.010	0.050	ug/l	89	90	64-126	1	30
Fluoranthene	N.D.	0.010	0.050	ug/l	93	92	69-131	0	30
Pyrene	N.D.	0.010	0.050	ug/l	89	88	69-130	Õ	30
Benzo(a) anthracene	N.D.	0.010	0.050	ug/l	90	89	68-129	1	30
Chrysene	N.D.	0.010	0.050	ug/l	92	92	69-128	0	30
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	88	88	56-138	1	30
Benzo(k) fluoranthene	N.D.	0.010	0.050	ug/1 ug/1	94	94	62-135	0	30
Benzo(a) pyrene	N.D. N.D.	0.010	0.050	ug/1 ug/1	89	94 90	61-124	1	30
	N.D. N.D.			ug/1 ug/1	94	95	62-129	1	30
Indeno(1,2,3-cd)pyrene		0.010	0.050		94 95	95 95		0	30
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l			39-130	2	
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	86	87	64-126	2	30
Batch number: 07297A07A	Sample nur	mber(s): 5	190652-519	0656,519066	1,51906	66-5190	0667		
TPH by NWTPH-Gx waters	N.D.	50.	250.	uq/l	94	101	75-135	7	30
Batch number: 07303A02A				0644-519064 574,5190677	5,51906	50,5190	0658-		
TPH by NWTPH-Gx soils	N.D.	1.0	5.0	mg/kg	98		67-119		
TPH by NWTPH-Gx soils	N.D.	1.0	5.0	mg/kg	98		67-119		
Benzene	N.D.	0.005	0.02	mg/kg	93		76-118		
Toluene	N.D.	0.005	0.02	mg/kg	83		72-115		
Ethylbenzene	N.D.	0.005	0.02	mq/kq	87		77-115		
Total Xylenes	N.D.	0.02	0.05	mg/kg	88		78-115		
-	Comple num	nhen (m) F	100642 510		2				
Batch number: 07303A02B TPH by NWTPH-Gx soils	N.D.	1.0	5.0	00647-519064 mg/kg	98		67-119		
Batch number: 073046050001A Lead	Sample nur N.D.	nber(s): 5 0.047	190640-519 1.0	0641,519065: ug/l	2 104		90-115		
Batch number: 073056050002A	Sample nur	mber(s): 5	190654-519	0655,519066	1-51906	62,5190	0666		
Lead	N.D.	0.047	1.0	ug/l	104		90-115		
Batch number: 073056150001A				0644,519066		70	00 110		
Lead	0.0344 J	0.0150	0.100	mg/kg	109		82-118		
Batch number: A073031AA				0681,519068					
Benzene	N.D.	0.0005	0.005	mg/kg	106	103	84-115	2	30
Toluene	0.002 J	0.001	0.005	mg/kg	111	108	81-116	2	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	89	87	82-115	2	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	88	85	82-117	3	30
Batch number: 0072981AA	Sample nur	mber(s): 5	190633.519	0636,519063	8.51906	43-5190	0645,519064	7	
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mq/kq	104	105	72-117	1	30
di-Isopropyl ether	N.D.	0.050	0.25	mg/kg	107	107	72-120	0	30
Ethyl t-butyl ether	N.D.	0.050	0.25	mg/kg	106	108	72-115	2	30
t-Amyl methyl ether	N.D.	0.050	0.25	mg/kg	100	105	73-116	1	30
t-Butyl alcohol	N.D.	1.0	5.0	mg/kg	97	103	59-154	7	30
Dichlorodifluoromethane	N.D. N.D.	0.10	0.25	mg/kg	82	69	28-121	18	30
Chloromethane	N.D. N.D.	0.10	0.25	mg/kg	o∠ 90	88	44-115	2	30
Vinyl Chloride	N.D. N.D.	0.10	0.25	mg/kg	89	84	44-115 52-111	∠ 7	30
Bromomethane	N.D. N.D.		0.25	5. 5	89 117	84 117	53-124	0	30
Chloroethane	N.D. N.D.	0.10 0.10	0.25	mg/kg	122*	118	63-124 63-120	3	30
CIIIOLOECHAIIE	ш.ш.	0.10	0.20	mg/kg	122 *	110	03-120	э	30

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 3 of 20

### Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

### Laboratory Compliance Quality Control

		-	-	~	-				
	Blank	Blank	Blank	Report	LCS	LCSD	LCS/LCSD		
<u>Analysis Name</u>	Result	MDL**	LOO	Units	%REC	%REC	Limits	RPD	RPD Max
Trichlorofluoromethane	N.D.	0.10	0.25	mg/kg	104	97	58-125	7	30
1,1-Dichloroethene	N.D.	0.050	0.25	mg/kg	111	107	83-121	4	30
Methylene Chloride	N.D.	0.10	0.25	mg/kg	102	104	75-120	2	30
trans-1,2-Dichloroethene	N.D.	0.050	0.25	mg/kg	107	104	84-116	3	30
1,1-Dichloroethane	N.D.	0.050	0.25	mg/kg	112	111	82-116	1	30
2,2-Dichloropropane	N.D.	0.050	0.25	mg/kg	118	118	72-123	0	30
cis-1,2-Dichloroethene	N.D.	0.050	0.25	mg/kg	103	103	84-113	0	30
Chloroform	N.D.	0.050	0.25	mg/kg	115	114	81-117	1	30
Bromochloromethane	N.D.	0.050	0.25	mg/kg	103	105	83-119	2	30
1,1,1-Trichloroethane	N.D.	0.050	0.25	mg/kg	120	117	74-127	3	30
Carbon Tetrachloride	N.D.	0.050	0.25	mg/kg	118	116	76-122	2	30
1,1-Dichloropropene	N.D.	0.050	0.25	mg/kg	106	104	75-121	2	30
Benzene	N.D.	0.025	0.25	mg/kg	104	104	84-115	0	30
1,2-Dichloroethane	N.D.	0.050	0.25	mg/kg	123	127*	76-126	3	30
Trichloroethene	N.D.	0.050	0.25	mg/kg	106	106	81-114	1	30
1,2-Dichloropropane	N.D.	0.050	0.25	mg/kg	105	106	78-119	1	30
Dibromomethane	N.D.	0.050	0.25	mg/kg	107	108	79-118	1	30
Bromodichloromethane	N.D.	0.050	0.25	mg/kg	114	118*	77-116	3	30
Toluene	N.D.	0.050	0.25	mg/kg	103	104	81-116	1	30
1,1,2-Trichloroethane	N.D.	0.050	0.25	mg/kg	98	101	81-112	3	30
Tetrachloroethene	N.D.	0.050	0.25	mg/kg	105	104	77-120	1	30
1,3-Dichloropropane	N.D.	0.050	0.25	mg/kg	100	102	80-115	2	30
Dibromochloromethane	N.D.	0.050	0.25	mg/kg	114*	115*	80-113	1	30
1,2-Dibromoethane	N.D.	0.050	0.25	mg/kg	102	100	77-114	2	30
Chlorobenzene	N.D.	0.050	0.25	mg/kg	104	104	81-112	1	30
1,1,1,2-Tetrachloroethane	N.D.	0.050	0.25	mg/kg	106	107	78-115	0	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	105	104	82-115	1	30
m+p-Xylene	N.D.	0.050	0.25	mg/kg	104	104	82-117	0	30
o-Xylene	N.D.	0.050	0.25	mg/kg	103	105	82-117	1	30
Styrene	N.D.	0.050	0.25	mg/kg	100	102	79-108	2	30
Bromoform	N.D.	0.050	0.25	mg/kg	103	105	63-120	2	30
Isopropylbenzene	N.D.	0.050	0.25	mg/kg	96	96	82-110	1	30
1,1,2,2-Tetrachloroethane	N.D.	0.050	0.25	mg/kg	95	98	64-121	3	30
Bromobenzene	N.D.	0.050	0.25	mg/kg	100	103	84-109	3	30
1,2,3-Trichloropropane	N.D.	0.050	0.25	mg/kg	98	100	69-119	2	30
n-Propylbenzene	N.D.	0.050	0.25	mg/kg	99	102	76-122	3	30
2-Chlorotoluene	N.D.	0.050	0.25	mg/kg	99	103	73-114	5	30
1,3,5-Trimethylbenzene	N.D.	0.050	0.25	mg/kg	101	106	74-112	4	30
4-Chlorotoluene	N.D.	0.050	0.25	mg/kg	99	103	75-110	4	30
tert-Butylbenzene	N.D.	0.050	0.25	mg/kg	98	100	72-113	2	30
1,2,4-Trimethylbenzene	N.D.	0.050	0.25	mg/kg	103	109	74-117	6	30
sec-Butylbenzene	N.D.	0.050	0.25	mg/kg	97	100	66-120	3	30
p-Isopropyltoluene	N.D.	0.050	0.25	mg/kg	99	101	72-113	1	30
1,3-Dichlorobenzene	N.D.	0.050	0.25	mg/kg	100	103	76-112	3	30
1,4-Dichlorobenzene	N.D.	0.050	0.25	mg/kg	99	103	78-108	4	30
n-Butylbenzene	N.D.	0.050	0.25	mg/kg	94	98	59-120	5	30
1,2-Dichlorobenzene	N.D.	0.050	0.25	mg/kg	101	103	81-109	2	30
1,2-Dibromo-3-chloropropane	N.D.	0.10	0.25	mg/kg	135*	105	58-127	26	30
1,2,4-Trichlorobenzene	N.D.	0.050	0.25	mg/kg	95	101	60-116	6	30
Hexachlorobutadiene	N.D.	0.10	0.25	mg/kg	76	81	33-136	6	30
Naphthalene	N.D.	0.050	0.25	mg/kg	97	101	62-116	4	30
1,2,3-Trichlorobenzene	N.D.	0.050	0.25	mg/kg	92	99	63-120	7	30
Ethanol	7.5 J	5.0	25.	mg/kg	93	93	48-149	0	30
Acetone	N.D.	0.35	1.0	mg/kg	53	62	18-200	15	30
Carbon Disulfide	N.D.	0.050	0.25	mg/kg	107	103	74-117	3	30

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 4 of 20

## Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

### Laboratory Compliance Quality Control

		-	-		-				
Analysis Name 2-Butanone trans-1,3-Dichloropropene cis-1,3-Dichloropropene 4-Methyl-2-pentanone 2-Hexanone 2-Chloroethyl Vinyl Ether Freon 113	Blank <u>Result</u> N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D	Blank MDL** 0.20 0.050 0.15 0.15 0.10 0.10	<b>Blank</b> <u>LOO</u> 0.50 0.25 0.25 0.50 0.50 0.50 0.50	Report Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	LCS <u>%REC</u> 66 105 106 100 82 94 103	LCSD <u>%REC</u> 73 107 105 102 88 96 96	LCS/LCSD Limits 39-170 79-112 80-111 51-141 38-154 26-148 68-121	<u>RPD</u> 9 1 2 7 1 7	RPD         Max           30         30           30         30           30         30           30         30           30         30           30         30           30         30           30         30
Batch number: Q072982AA Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	mber(s): 5 0.025 0.050 0.050 1.0 0.10 0.10 0.10 0.050 0.10	0.25 0.25 0.25 0.25 5.0 0.25 0.25 0.25 0	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	105 106 107 105 102 71 89 84 102	104 108 107 106 104 67 89 86 110	72-11772-12072-11573-11659-15428-12144-11552-11153-124	0 2 0 1 2 6 1 2 7	30 30 30 30 30 30 30 30 30 30
Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane 2,2-Dichloropropane cis-1,2-Dichloroethene Chloroform	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.10 0.050 0.10 0.050 0.050 0.050 0.050 0.050 0.050	0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	112 91 111 107 111 110 118 106 116	108 98 114 107 113 114 120 109 116	63-120 58-125 83-121 75-120 84-116 82-116 72-123 84-113	3 8 3 0 3 4 2 3 0	30 30 30 30 30 30 30 30 30 30 30
Bromochloromethane 1,1,1-Trichloroethane Carbon Tetrachloride 1,1-Dichloropropene Benzene 1,2-Dichloroethane Trichloroethene 1,2-Dichloropropane	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.050 0.050 0.050 0.050 0.025 0.050 0.050 0.050	0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	ng/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	108 118 114 106 106 123 108 105	116 108 123 122 109 107 123 113 107	81-117 83-119 74-127 76-122 75-121 84-115 76-126 81-114 78-119	0 4 7 3 1 0 4	30 30 30 30 30 30 30 30 30
Dibromomethane Bromodichloromethane Toluene 1,1,2-Trichloroethane Tetrachloroethane 1,3-Dichloropropane Dibromochloromethane 1,2-Dibromoethane	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050	0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	103 114 117* 104 104 108 102 117* 103	107 111 120* 107 102 112 104 118* 105	79-119 79-118 77-116 81-112 77-120 80-115 80-113 77-114	3 2 3 2 4 2 1 2	30 30 30 30 30 30 30 30 30
Chlorobenzene 1,1,1,2-Tetrachloroethane Ethylbenzene m+p-Xylene o-Xylene Styrene Bromoform	N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.050 0.050 0.050 0.050 0.050 0.050 0.050	0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	106 111 105 106 106 103 104	105 106 109 107 109 107 104 105 98	77-114 81-112 78-115 82-115 82-117 82-117 82-117 79-108 63-120 82-110	2 0 2 3 1 1 1	30 30 30 30 30 30 30 30 30
Isopropylbenzene 1,1,2,2-Tetrachloroethane Bromobenzene 1,2,3-Trichloropropane n-Propylbenzene	N.D. N.D. N.D. N.D. N.D.	0.050 0.050 0.050 0.050 0.050	0.25 0.25 0.25 0.25 0.25	mg/kg mg/kg mg/kg mg/kg mg/kg	96 94 104 102 101	98 96 104 102 102	82-110 64-121 84-109 69-119 76-122	1 2 1 1 1	30 30 30 30 30

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 5 of 20

## Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

### Laboratory Compliance Quality Control

	_, ,	-1 1		<b>-</b> .					
Analysis Name	Blank	Blank MDL**	Blank	Report <u>Units</u>	LCS	LCSD %REC	LCS/LCSD Limits	חחח	DDD More
2-Chlorotoluene	<u>Result</u> N.D.	0.050	<u>LOO</u> 0.25	mg/kg	<u>%REC</u> 101	102	73-114	<u>RPD</u> 0	<u>RPD Max</u> 30
1,3,5-Trimethylbenzene	N.D.	0.050	0.25	mg/kg	101	102	74-112	1	30
4-Chlorotoluene	N.D.	0.050	0.25	mg/kg	102	104	75-110	1	30
tert-Butylbenzene	N.D.	0.050	0.25	mg/kg	102	101	72-113	1	30
sec-Butylbenzene	N.D.	0.050	0.25	mg/kg	99	101	66-120	2	30
p-Isopropyltoluene	N.D.	0.050	0.25	mg/kg	101	101	72-113	1	30
1,3-Dichlorobenzene	N.D.	0.050	0.25	mg/kg	103	102	76-112	1	30
1,4-Dichlorobenzene	N.D.	0.050	0.25	mg/kg	105	104	78-108	1	30
n-Butylbenzene	N.D.	0.050	0.25	mg/kg	96	99	59-120	2	30
1,2-Dichlorobenzene	N.D.	0.050	0.25	mg/kg	105	104	81-109	1	30
1,2-Dibromo-3-chloropropane	N.D.	0.10	0.25	mq/kq	94	101	58-127	7	30
1,2,4-Trichlorobenzene	N.D.	0.050	0.25	mg/kg	96	98	60-116	2	30
Hexachlorobutadiene	N.D.	0.10	0.25	mg/kg	76	83	33-136	8	30
Naphthalene	N.D.	0.050	0.25	mg/kg	94	94	62-116	0	30
1,2,3-Trichlorobenzene	N.D.	0.050	0.25	mg/kg	95	96	63-120	2	30
Ethanol	8.0 J	5.0	25.	mg/kg	100	100	48-149	0	30
Acetone	N.D.	0.35	1.0	mg/kg	88	89	18-200	1	30
Carbon Disulfide	N.D.	0.050	0.25	mg/kg	109	112	74-117	3	30
2-Butanone	N.D.	0.20	0.50	mg/kg	89	91	39-170	2	30
trans-1,3-Dichloropropene	N.D.	0.050	0.25	mg/kg	107	106	79-112	1	30
cis-1,3-Dichloropropene	N.D.	0.050	0.25	mg/kg	108	107	80-111	1	30
4-Methyl-2-pentanone	N.D.	0.15	0.50	mg/kg	100	100	51-141	0	30
2-Hexanone	N.D.	0.15	0.50	mg/kg	94	94	38-154	0	30
2-Chloroethyl Vinyl Ether	N.D.	0.10	0.50	mg/kg	96	96	26-148	1	30
Freon 113	N.D.	0.10	0.50	mg/kg	97	102	68-121	5	30
Detab number, DOZ2021AA	Comple num	box(a). E	100074 51	00677					
Batch number: R073031AA Benzene	Sample num N.D.	0.025	0.25	mq/kq	101		84-115		
Toluene	N.D.	0.025	0.25	mg/kg	101		81-116		
Ethylbenzene	N.D.	0.050	0.25	mg/kg	102		82-115		
Xylene (Total)	N.D.	0.050	0.25	mg/kg	104		82-115		
Ayrene (locar)	N.D.	0.050	0.25	ilig/ ilg	104		02 11/		
Batch number: W073001AA	Sample num	uber(s): 5	5190652,51	90654-51906	56,51906	61-5190	0662,519066	6	
Ethanol	N.D.	50.	250.	ug/l	92		31-166		
Methyl Tertiary Butyl Ether	N.D.	0.5	4.	ug/l	105		73-119		
di-Isopropyl ether	N.D.	0.5	4.	ug/l	114		70-123		
Ethyl t-butyl ether	N.D.	0.5	4.	ug/l	111		74-120		
t-Amyl methyl ether	N.D.	0.5	4.	ug/l	107		79-113		
t-Butyl alcohol	N.D.	5.	80.	ug/l	103		74-117		
Dichlorodifluoromethane	N.D.	2.	5.	ug/l	120		33-125		
Chloromethane	N.D.	1.	5.	ug/l	109		47-122		
Vinyl Chloride	N.D.	1.	5.	ug/l	104		54-123		
Bromomethane	N.D.	1.	5.	ug/l	90		49-117		
Chloroethane	N.D.	1.	5.	ug/l	97		54-117		
Trichlorofluoromethane	N.D.	2.	5.	ug/l	114		59-128		
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	105		76-122		
Methylene Chloride	N.D.	2.	5.	ug/l	111		85-120		
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	106		83-117		
1,1-Dichloroethane	N.D.	1.	5.	ug/l	117		83-127		
2,2-Dichloropropane	N.D.	1.	5.	ug/l	108		74-130		
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	105		84-117		
Chloroform	N.D.	0.8	5.	ug/l	111		77-125		
Bromochloromethane	N.D.	1.	5.	ug/l	103		83-121		
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	112		83-127		
Carbon Tetrachloride	N.D.	1.	5.	ug/l	110		77-130		

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 6 of 20

## Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

### Laboratory Compliance Quality Control

	Blank	Blank	Blank	Report	LCS	LCSD	LCS/LCSD		
<u>Analysis Name</u>	<u>Result</u>	MDL**	LOO	<u>Units</u>	%REC	%REC	<u>Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,1-Dichloropropene	N.D.	1.	5.	ug/l	113		84-116		
Benzene	N.D.	0.5	4.	ug/l	113		78-119		
1,2-Dichloroethane	N.D.	0.5	4.	ug/l	116		69-135		
Trichloroethene	N.D.	1.	5.	ug/l	106		87-117		
1,2-Dichloropropane	N.D.	1.	5.	ug/l	114		80-117		
Dibromomethane	N.D.	1.	5.	ug/l	107		87-117		
Bromodichloromethane	N.D.	1.	5.	ug/l	107		83-121		
Toluene	N.D.	0.5	4.	ug/l	109		85-115		
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	105		86-113		
Tetrachloroethene	N.D.	0.8	5.	ug/l	105		76-118		
1,3-Dichloropropane	N.D.	1.	5.	ug/l	109		84-119		
Dibromochloromethane	N.D.	1.	5.	ug/l	103		78-119		
1,2-Dibromoethane	N.D.	0.5	4.	ug/l	103		81-114		
Chlorobenzene	N.D.	0.8	5.	ug/l	107		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.	5.	uq/l	101		83-114		
Ethylbenzene	N.D.	0.5	4.	uq/l	109		82-119		
m+p-Xylene	N.D.	0.5	4.	uq/l	108		83-113		
o-Xylene	N.D.	0.5	4.	ug/l	107		83-113		
Styrene	N.D.	1.	5.	uq/l	103		82-111		
Bromoform	N.D.	1.	5.	uq/l	85		69-118		
Isopropylbenzene	N.D.	1.	5.	ug/l	107		80-113		
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	103		72-119		
Bromobenzene	N.D.	1.	5.	ug/l	104		82-110		
1,2,3-Trichloropropane	N.D.	1.	5.	uq/l	105		78-117		
n-Propylbenzene	N.D.	1.	5.	ug/l	117		78-119		
2-Chlorotoluene	N.D.	1.	5.	ug/l	111		78-115		
1,3,5-Trimethylbenzene	N.D.	1.	5.	ug/1	112		78-116		
4-Chlorotoluene	N.D.	1.	5.	ug/l	109		80-112		
tert-Butylbenzene	N.D.	1.	5.	ug/l	109		74-114		
1,2,4-Trimethylbenzene	N.D.	1.	5.	ug/l	113		78-117		
sec-Butylbenzene	N.D.	1.	5.	ug/l	116		72-120		
p-Isopropyltoluene	N.D.	1.	5.	ug/1	114		72-118		
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	109		81-114		
1,4-Dichlorobenzene	N.D.	1.	5.	ug/1	108		84-116		
n-Butylbenzene	N.D.	1.	5.	ug/l	113		75-120		
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	107		81-112		
1,2-Dibromo-3-chloropropane	N.D.	2.	5.	ug/l	99		62-128		
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	98		65-114		
Hexachlorobutadiene	N.D.	2.	5.	ug/l	91		62-119		
Naphthalene	N.D.	1.	5.	ug/l	96		61-116		
1,2,3-Trichlorobenzene	N.D.	1.	5.	ug/l	98		67-114		
Acetone	N.D.	6.	20.	ug/l	118		40-200		
Carbon Disulfide	N.D. N.D.	ь. 1.	20. 5.		102		40-200 69-119		
2-Butanone	N.D.	1. 3.	10.	ug/l	102		52-163		
		3. 1.	5.	ug/l					
trans-1,3-Dichloropropene	N.D.			ug/l	104		79-114		
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	107		78-114		
4-Methyl-2-pentanone	N.D.	3.	10.	ug/l	99		70-130		
2-Hexanone	N.D.	3.	10.	ug/l	99		61-140		
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	100		66-125		
Freon 113	N.D.	2.	10.	ug/l	122		66-125		
Batch number: W073011AA	Sample numb	er(s): 51	90667						
Ethanol	N.D.	50.	250.	ug/l	91		31-166		
Methyl Tertiary Butyl Ether	N.D.	0.5	4.	ug/1	100		73-119		
di-Isopropyl ether	N.D.	0.5	4.	ug/l	107		70-123		

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 7 of 20

## Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

### Laboratory Compliance Quality Control

	<b>D1</b>	51	51	<b>D</b>					
Analysis Name	Blank Result	Blank MDL**	<b>Blank</b> LOO	Report Units	LCS <u>%REC</u>	LCSD <u>%REC</u>	LCS/LCSD <u>Limits</u>	RPD	DDD More
Ethyl t-butyl ether	<u>Result</u> N.D.	0.5	<u>100</u> 4.	uq/l	104	<u> 3REC</u>	74-120	<u>RPD</u>	<u>RPD Max</u>
t-Amyl methyl ether	N.D.	0.5	4.	ug/1 ug/1	104		79-113		
t-Butyl alcohol	N.D.	5.	80.	ug/1 ug/1	1102		74-117		
Dichlorodifluoromethane	N.D.	2.	5.	ug/1 ug/1	104		33-125		
Chloromethane	N.D.	1.	5.	ug/l	98		47-122		
Vinyl Chloride	N.D.	1.	5.	ug/l	97		54-123		
Bromomethane	N.D.	1.	5.	ug/1	83		49-117		
Chloroethane	N.D.	1.	5.	ug/1	88		54-117		
Trichlorofluoromethane	N.D.	2.	5.	ug/l	102		59-128		
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	101		76-122		
Methylene Chloride	N.D.	2.	5.	ug/l	108		85-120		
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	101		83-117		
1,1-Dichloroethane	N.D.	1.	5.	ug/l	112		83-127		
2,2-Dichloropropane	N.D.	1.	5.	ug/l	101		74-130		
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	103		84-117		
Chloroform	N.D.	0.8	5.	ug/l	105		77-125		
Bromochloromethane	N.D.	1.	5.	ug/l	101		83-121		
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	105		83-127		
Carbon Tetrachloride	N.D.	1.	5.	ug/l	102		77-130		
1,1-Dichloropropene	N.D.	1.	5.	ug/l	109		84-116		
Benzene	N.D.	0.5	4.	ug/l	108		78-119		
1,2-Dichloroethane	N.D.	0.5	4.	ug/l	109		69-135		
Trichloroethene	N.D.	1.	5.	ug/l	104		87-117		
1,2-Dichloropropane	N.D.	1.	5.	ug/l	109		80-117		
Dibromomethane	N.D.	1.	5.	ug/l	100		87-117		
Bromodichloromethane	N.D.	1.	5.	ug/l	105		83-121		
Toluene	N.D.	0.5	4.	ug/l	110		85-115		
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	103		86-113		
Tetrachloroethene	N.D.	0.8	5.	ug/l	107		76-118		
1,3-Dichloropropane	N.D.	1.	5.	ug/l	107		84-119		
Dibromochloromethane	N.D.	1.	5.	ug/l	105		78-119		
1,2-Dibromoethane	N.D.	0.5	4.	ug/l	105		81-114		
Chlorobenzene	N.D.	0.8	5.	ug/l	108		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.	5.	ug/l	101		83-114		
Ethylbenzene	N.D.	0.5	4.	ug/l	107		82-119		
m+p-Xylene	N.D.	0.5	4.	ug/l	108		83-113		
o-Xylene	N.D.	0.5	4.	ug/l	105		83-113		
Styrene	N.D.	1.	5.	ug/l	101		82-111		
Bromoform	N.D.	1.	5.	ug/l	90		69-118		
Isopropylbenzene	N.D.	1.	5.	ug/l	107		80-113		
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	103		72-119		
Bromobenzene	N.D.	1.	5.	ug/l	107		82-110		
1,2,3-Trichloropropane	N.D.	1.	5.	ug/l	105		78-117		
n-Propylbenzene	N.D.	1.	5.	ug/l	116		78-119		
2-Chlorotoluene	N.D.	1.	5.	ug/l	111		78-115		
1,3,5-Trimethylbenzene	N.D.	1.	5.	ug/l	111		78-116		
4-Chlorotoluene	N.D.	1.	5.	ug/l	111		80-112		
tert-Butylbenzene	N.D.	1.	5.	ug/l	112		74-114		
1,2,4-Trimethylbenzene	N.D.	1.	5.	ug/l	110		78-117		
sec-Butylbenzene	N.D.	1.	5.	ug/l	113		72-120		
p-Isopropyltoluene	N.D.	1.	5.	ug/l	111		72-118		
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	108		81-114		
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	108		84-116		
n-Butylbenzene	N.D.	1.	5.	ug/l	110		75-120		
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	108		81-112		

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 8 of 20

## Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

### Laboratory Compliance Quality Control

	<b>D</b> ] 1-	51	<b>D</b> 1 1-	<b>D</b>					
Analysis Name	Blank Result	Blank MDL**	<b>Blank</b> LOO	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dibromo-3-chloropropane	N.D.	<u>MDL^^</u> 2.	<u>100</u> 5.	uq/l	95	SREC.	62-128	<u>RPD</u>	<u>RPD Max</u>
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/1 ug/1	101		65-114		
Hexachlorobutadiene	N.D.	2.	5.	ug/1	92		62-119		
Naphthalene	N.D.	1.	5.	ug/1 ug/1	98		61-116		
1,2,3-Trichlorobenzene	N.D.	1.	5.	ug/1 ug/1	101		67-114		
Acetone	N.D.	1. 6.	20.	ug/1 ug/1	110		40-200		
Carbon Disulfide	N.D.	1.	5.	ug/1	101		69-119		
2-Butanone	N.D.	3.	10.	ug/1 ug/1	96		52-163		
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/1 ug/1	103		79-114		
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	105		78-114		
4-Methyl-2-pentanone	N.D.	3.	10.	ug/1 ug/1	94		70-130		
2-Hexanone	N.D.	3.	10.	ug/1 ug/1	94		61-140		
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	94 97		66-125		
Freon 113	N.D.	2.	10.	ug/1 ug/1	114		66-125		
FIEOII IIS	N.D.	2.	10.	ug/ I	111		00-125		
Batch number: X072971AA	Sample num	ber(s): 51	L90668						
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	94	95	72-117	0	30
di-Isopropyl ether	N.D.	0.001	0.005	mq/kq	77	77	72-120	0	30
Ethyl t-butyl ether	N.D.	0.001	0.005	mg/kg	87	91	72-115	4	30
t-Amyl methyl ether	N.D.	0.001	0.005	mg/kg	93	96	73-116	4	30
t-Butyl alcohol	N.D.	0.020	0.10	mg/kg	107	107	59-154	0	30
Dichlorodifluoromethane	N.D.	0.002	0.005	mg/kg	114	112	28-121	2	30
Chloromethane	N.D.	0.002	0.005	mg/kg	92	92	44-115	1	30
Vinyl Chloride	N.D.	0.001	0.005	mg/kg	95	94	52-111	2	30
Bromomethane	N.D.	0.002	0.005	mg/kg	109	104	53-124	5	30
Chloroethane	N.D.	0.002	0.005	mg/kg	98	96	63-120	2	30
Trichlorofluoromethane	N.D.	0.002	0.005	mg/kg	119	116	58-125	3	30
1,1-Dichloroethene	N.D.	0.001	0.005	mg/kg	96	94	83-121	2	30
Methylene Chloride	N.D.	0.002	0.005	mg/kg	81	80	75-120	2	30
trans-1,2-Dichloroethene	N.D.	0.001	0.005	mg/kg	98	94	84-116	3	30
1,1-Dichloroethane	N.D.	0.001	0.005	mg/kg	93	92	82-116	1	30
2,2-Dichloropropane	N.D.	0.001	0.005	mg/kg	110	107	72-123	2	30
cis-1,2-Dichloroethene	N.D.	0.001	0.005	mg/kg	95	93	84-113	2	30
Chloroform	N.D.	0.001	0.005	mg/kg	108	104	81-117	4	30
Bromochloromethane	N.D.	0.001	0.005	mg/kg	96	98	83-119	2	30
1,1,1-Trichloroethane	N.D.	0.001	0.005	mg/kg	115	110	74-127	4	30
Carbon Tetrachloride	N.D.	0.001	0.005	mg/kg	116	111	76-122	4	30
1,1-Dichloropropene	N.D.	0.001	0.005	mg/kg	95	92	75-121	4	30
Benzene	N.D.	0.0005	0.005	mq/kq	92	91	84-115	1	30
1,2-Dichloroethane	N.D.	0.001	0.005	mg/kg	114	112	76-126	2	30
Trichloroethene	N.D.	0.001	0.005	mg/kg	101	99	81-114	1	30
1,2-Dichloropropane	N.D.	0.001	0.005	mq/kq	86	84	78-119	2	30
Dibromomethane	N.D.	0.001	0.005	mg/kg	97	93	79-118	4	30
Bromodichloromethane	N.D.	0.001	0.005	mg/kg	106	104	77-116	2	30
Toluene	N.D.	0.001	0.005	mq/kq	93	93	81-116	0	30
1,1,2-Trichloroethane	N.D.	0.001	0.005	mg/kg	93	94	81-112	1	30
Tetrachloroethene	N.D.	0.001	0.005	mg/kg	106	105	77-120	1	30
1,3-Dichloropropane	N.D.	0.001	0.005	mg/kg	90	90	80-115	1	30
Dibromochloromethane	N.D.	0.001	0.005	mg/kg	104	104	80-113	0	30
1,2-Dibromoethane	N.D.	0.001	0.005	mg/kg	95	97	77-114	1	30
Chlorobenzene	N.D.	0.001	0.005	mg/kg	98	97	81-112	0	30
1,1,1,2-Tetrachloroethane	N.D.	0.001	0.005	mg/kg	103	103	78-115	0	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	98	98	82-115	0	30
m+p-Xylene	N.D.	0.001	0.005	mg/kg	95	96	82-117	1	30
o-Xylene	N.D.	0.001	0.005	mg/kg	98	98	82-117	0	30

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 9 of 20

## Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

### Laboratory Compliance Quality Control

Analysis Name         Result         MDL**         LOO         Units         %REC         %REC         Limits         RPD         RPD Ma           Styrene         N.D.         0.001         0.005         mg/kg         96         97         79-108         1         30           Bromoform         N.D.         0.001         0.005         mg/kg         97         97         63-120         0         30	
Bromoform N.D. 0.001 0.005 mg/kg 97 97 63-120 0 30	iax
Isopropylbenzene N.D. 0.001 0.005 mg/kg 98 99 82-110 0 30	
1,1,2,2-Tetrachloroethane N.D. 0.001 0.005 mg/kg 85 85 64-121 0 30	
Bromobenzene N.D. 0.001 0.005 mg/kg 100 99 84-109 0 30	
1,2,3-Trichloropropane N.D. 0.001 0.005 mg/kg 96 97 69-119 1 30	
n-Propylbenzene N.D. 0.001 0.005 mg/kg 95 94 76-122 1 30	
2-Chlorotoluene N.D. 0.001 0.005 mg/kg 93 94 73-114 0 30	
1,3,5-Trimethylbenzene N.D. 0.001 0.005 mg/kg 97 96 74-112 1 30	
4-Chlorotoluene N.D. 0.001 0.005 mg/kg 95 94 75-110 1 30	
tert-Butylbenzene N.D. 0.001 0.005 mg/kg 94 93 72-113 1 30	
1,2,4-Trimethylbenzene N.D. 0.001 0.005 mg/kg 99 98 74-117 1 30	
sec-Butylbenzene N.D. 0.001 0.005 mg/kg 95 94 66-120 1 30	
p-Isopropyltoluene N.D. 0.001 0.005 mg/kg 98 97 72-113 1 30	
1,3-Dichlorobenzene N.D. 0.001 0.005 mg/kg 98 97 76-112 0 30	
1,4-Dichlorobenzene N.D. 0.001 0.005 mg/kg 97 97 78-108 0 30	
n-Butylbenzene N.D. 0.001 0.005 mg/kg 92 91 59-120 0 30	
1,2-Dichlorobenzene N.D. 0.001 0.005 mg/kg 99 99 81-109 0 30	
1,2-Dibromo-3-chloropropane N.D. 0.002 0.005 mg/kg 79 82 58-127 3 30	
1,2,4-Trichlorobenzene N.D. 0.001 0.005 mg/kg 91 94 60-116 4 30	
Hexachlorobutadiene N.D. 0.002 0.005 mg/kg 105 102 33-136 3 30	
Naphthalene         N.D.         0.001         0.005         mg/kg         85         88         62-116         3         30	
1,2,3-Trichlorobenzene N.D. 0.001 0.005 mg/kg 92 94 63-120 2 30	
Ethanol N.D. 0.10 0.50 mg/kg 108 105 48-149 3 30	
Acetone N.D. 0.007 0.020 mg/kg 88 87 18-200 1 30	
Carbon Disulfide N.D. 0.001 0.005 mg/kg 79 78 74-117 2 30	
2-Butanone N.D. 0.004 0.010 mg/kg 72 73 39-170 0 30	
trans-1,3-Dichloropropene N.D. 0.001 0.005 mg/kg 94 96 79-112 2 30	
cis-1,3-Dichloropropene N.D. 0.001 0.005 mg/kg 89 89 80-111 0 30	
4-Methyl-2-pentanone N.D. 0.003 0.010 mg/kg 76 75 51-141 1 30	
2-Hexanone N.D. 0.003 0.010 mg/kg 74 75 38-154 1 30	
Freon 113 N.D. 0.002 0.010 mg/kg 84 80 68-121 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 <u>%REC</u>	MSD <u>%REC</u>	MS/MSD <u>Limits</u>	<u>RPD</u>	RPD <u>MAX</u>	BKG <u>Conc</u>	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD <u>Max</u>
Batch number: 07292A33B TPH by NWTPH-Gx soils	Sample 84	number(s) 84	: 5190636 39-118	,519063 0	38 UNSP 30	K: P184510			
Batch number: 072930008A Diesel Range Organics Heavy Range Organics	Sample	number(s)	: 5190633	,519063	36 BKG	: P190632 17. 32.	N.D. N.D.	200* (1) 200* (1)	20 20
Batch number: 072930021A Diesel Range Organics Heavy Range Organics	Sample	number(s)	: 5190648	,519065	50,5190	658-5190659 230. N.D.	,5190668,519 120. N.D.	90670 BKG: 65* (1) 0 (1)	5190670 20 20
Batch number: 072950014A Diesel Range Organics	Sample	number(s)	: 5190643	,519064	15,5190	672,5190674 N.D.	BKG: P1906 N.D.	571 0 (1)	20

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 10 of 20

## Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

### 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

5		5		1					
	MS	MSD	MS/MSD		RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	%REC	<u>Limits</u>	RPD	MAX	Conc	Conc	RPD	Max
Heavy Range Organics						N.D.	N.D.	0 (1)	20
	a 1	1 ( )				5100616			
Batch number: 072950028A	Sampie	number(s)	: 5190647	,51906/	/ BKG		1.00	100+	
Diesel Range Organics						40. 16. J	160. 25. J	120* 42* (1)	20 20
Heavy Range Organics						10. U	25. U	42° (1)	20
Batch number: 07295SLB026	Sample	number(s)	: 5190643	-519064	4.5190	668-5190670	UNSPK: 519	0643	
Naphthalene	-436	182 (2)		28	30				
I I I I I I I I I I I I I I I I I I I	(2)								
2-Methylnaphthalene	-468	2123	60-120	45*	30				
	(2)	(2)							
Acenaphthylene	77	75	57-112	3	30				
Acenaphthene	51	53	36-139	2	30				
Fluorene	63	74	61-124	5	30				
Phenanthrene	49	73	38-148	14	30				
Anthracene	52*	44*	67-114	14	30				
Fluoranthene	65	67	24-154	3	30				
Pyrene	60	64	25-175	6	30				
Benzo(a)anthracene	64	66	62-130	3	30				
Chrysene Benzo(b)fluoranthene	63 60	67 65	61-128	5 7	30 30				
Benzo(k) fluoranthene	60 59	60	50-140 56-132	1	30				
Benzo (a) pyrene	59 60	63	29-153	1 5	30				
Indeno(1,2,3-cd) pyrene	62	65	55-135	4	30				
Dibenz(a,h)anthracene	62	64	39-130	3	30				
Benzo(g,h,i)perylene	62	65	46-138	4	30				
201120 (3/11/1) pol/10110	02	00	10 100	-	50				
Batch number: 07297A07A	Sample	number(s)	: 5190652	-519065	6,5190	661,5190666	-5190667 UN	SPK: 5190655	5
TPH by NWTPH-Gx waters	113		63-154						
-									
Batch number: 07303A02A						645,5190650			
						7 UNSPK: P1	90861		
TPH by NWTPH-Gx soils	90	81	39-118	11	30				
TPH by NWTPH-Gx soils	90	81	39-118	11	30				
Benzene	83	90	52-135	8	30				
Toluene	74	80	59-129	8 9	30				
Ethylbenzene Total Xulenag	78 79	85 85	56-132	8	30 30				
Total Xylenes	79	00	54-134	0	30				
Batch number: 07303A02B	Sample	number(s)	· 5190643	519064	7-5190	648 UNSPK:	P190861		
TPH by NWTPH-Gx soils	90	81	39-118	11	30	010 00010.	1190001		
Batch number: 073046050001A	Sample	number(s)	: 5190640	-519064	1,5190	652 UNSPK:	5190652 BKG	: 5190652	
Lead	106	106	75-125	0	20	N.D.	N.D.	0 (1)	20
Batch number: 073056050002A			: 5190654	-519065	5,5190	661-5190662	,5190666 UN	SPK: P199848	B BKG:
	P199848								
Lead	102	102	75-125	0	20	0.17 J	0.17 J	4 (1)	20
	a 7	1 ( )							
Batch number: 073056150001A								0516 BKG: P2	
Lead	2224	8107	75-125	6	20	1,380.	1,450.	5	20
	(2)	(2)							

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 11 of 20

## Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

### 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

5		2		-					
	MS	MSD	MS/MSD		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Batch number: A073031AA	Sample					684 UNSPK:			
Benzene	139*		66-112						
Toluene	177*		50-121						
Ethylbenzene	176*		54-116						
Xylene (Total)	239*		52-117						
Batch number: R073031AA	Sample	number(s)	: 5190674	.51906	77 UNSP	K: P188236			
Benzene	72	62*	66-112	14	30				
Toluene	78	67	50-121	15	30				
Ethylbenzene	79	66	54-116	16	30				
Xylene (Total)	80	67	52-117	17	30				
-									
Batch number: W073001AA	Sample	number(s)	: 5190652	,51906	54-5190	656,5190663	1-5190662,	5190666 UNSPK	: 5190655
Ethanol	104	102	32-164	2	30				
Methyl Tertiary Butyl Ether	110	109	69-127	1	30				
di-Isopropyl ether	121	120	68-129	1	30				
Ethyl t-butyl ether	117	117	78-119	0	30				
t-Amyl methyl ether	112	113	72-125	1	30				
t-Butyl alcohol	111	105	70-121	5	30				
Dichlorodifluoromethane	140	143	41-149	2	30				
Chloromethane	127	133	47-133	5	30				
Vinyl Chloride	120	124	55-130	3	30				
Bromomethane	94	97	52-129	3	30				
Chloroethane	107	110	57-130	3	30				
Trichlorofluoromethane	133	134	67-150	1	30				
1,1-Dichloroethene	120	122	87-145	2	30				
Methylene Chloride	117	116	79-133	0	30				
trans-1,2-Dichloroethene	118	118	82-133	0	30				
1,1-Dichloroethane	130	126	85-135	3	30				
2,2-Dichloropropane	121	122	79-146	1	30				
cis-1,2-Dichloroethene	116	115	83-126	2	30				
Chloroform	122	118	83-139	3	30				
Bromochloromethane	109	108	82-129	1	30				
1,1,1-Trichloroethane	125	126	81-142	1	30				
Carbon Tetrachloride	124	125	82-149	1	30				
1,1-Dichloropropene	129	128	86-134	1	30				
Benzene	125	123	83-128	1	30				
1,2-Dichloroethane	123	121	70-143	1	30				
Trichloroethene	120	118	83-136	2	30				
1,2-Dichloropropane	122	122	83-129	0	30				
Dibromomethane	109	110	82-128	1	30				
Bromodichloromethane	115	116	80-137	0	30				
Toluene	120	119	83-127	1	30				
1,1,2-Trichloroethane	109	110	77-125	1	30				
Tetrachloroethene	117	116	78-133	1	30				
1,3-Dichloropropane	113	113	82-121	0	30				
Dibromochloromethane	109	106	82-119	2	30				
1,2-Dibromoethane	109	107	78-120	2	30				
Chlorobenzene	115	116	83-120	1	30				
1,1,1,2-Tetrachloroethane	109	106	83-119	3	30				
Ethylbenzene	119	117	82-129	1	30				
m+p-Xylene	118	117	82-130	0	30				
o-Xylene	116	113	82-130	2	30				
-									

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 12 of 20

### Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

### 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

	MS	MSD	MS/MSD		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	<u>Limits</u>	RPD	MAX	Conc	Conc	RPD	Max
Styrene	110	110	69-131	0	30				
Bromoform	90	88	64-119	2	30				
Isopropylbenzene	118	117	81-130	1	30				
1,1,2,2-Tetrachloroethane	106	106	73-121	0	30				
Bromobenzene	112	111	83-121	1	30				
1,2,3-Trichloropropane	111	109	73-125	2	30				
n-Propylbenzene	131	128	74-138	2	30				
2-Chlorotoluene	120	119	78-121	1	30				
1,3,5-Trimethylbenzene	122	121	77-124	0	30				
4-Chlorotoluene	118	119	81-123	1	30				
tert-Butylbenzene	124	122	76-128	2	30				
1,2,4-Trimethylbenzene	122	120	80-125	2	30				
sec-Butylbenzene	129	127	73-137	1	30				
p-Isopropyltoluene	125	125	72-128	0	30				
1,3-Dichlorobenzene	116	115	79-123	1	30				
1,4-Dichlorobenzene	114	114	81-122	0	30				
n-Butylbenzene	127	125	73-134	2	30				
1,2-Dichlorobenzene	114	114	82-117	0	30				
1,2-Dibromo-3-chloropropane	101	101	52-137	1	30				
1,2,4-Trichlorobenzene	106	104	60-121	2	30				
Hexachlorobutadiene	108	105	51-135	3	30				
Naphthalene	102	102	57-125	0	30				
1,2,3-Trichlorobenzene	106	106	65-127	0	30				
Acetone	111	115	48-143	4	30				
Carbon Disulfide	121	119	74-135	2	30				
2-Butanone	104	105	57-137	0	30				
trans-1,3-Dichloropropene	110	108	77-123	1	30				
cis-1,3-Dichloropropene	116	114	80-126	1	30				
4-Methyl-2-pentanone	105	105	68-133	1	30				
2-Hexanone	103	102	60-135	1	30				
2-Chloroethyl Vinyl Ether	14	0*	1-156	200*	30				
Freon 113	142	140	78-146	200	30				
	112	140	/0 140	2	50				
Batch number: W073011AA	Sample	number(s)	: 5190667	UNSPK:	51906	67			
Ethanol	95	93	32-164	2	30				
Methyl Tertiary Butyl Ether	100	101	69-127	0	30				
di-Isopropyl ether	107	108	68-129	1	30				
Ethyl t-butyl ether	106	108	78-119	2	30				
t-Amyl methyl ether	104	106	72-125	1	30				
t-Butyl alcohol	109	110	70-121	0	30				
Dichlorodifluoromethane	125	119	41-149	5	30				
Chloromethane	113	115	47-133	1	30				
Vinyl Chloride	110	106	55-130	3	30				
Bromomethane	87	95	52-129	9	30				
Chloroethane	98	90	57-130	8	30				
Trichlorofluoromethane	120	116	67-150	4	30				
1,1-Dichloroethene	113	113	87-145	0	30				
Methylene Chloride	111	113	79-133	2	30				
trans-1,2-Dichloroethene	109	112	82-133	2	30				
1,1-Dichloroethane	117	118	85-135	2	30				
2,2-Dichloropropane	111	112	79-146	0	30				
cis-1,2-Dichloroethene	107	109	83-126	1	30				
Chloroform	112	113	83-139	1	30				

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 13 of 20

### Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

### 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

Anale         VRC         VRC         VIAL         Conc         Conc         FPD         Max           1,1,1-Trichlorosthane         114         116         81-142         2         30           Carbon         Tatachloride         113         115         82-142         2         30           J_1-Dic         Torosthane         144         13         85-134         3         30           J_2-DicLorosthane         131         135         82-134         3         30           Trichlorosthane         131         134         83-136         1         30           J_2-DicLorosthane         101         102         82-128         0         30           Dibromochtane         101         102         82-128         30         1         1           I_2-DicLorosthane         143         145*         77-125         2         30         1		MS	MSD	MS/MSD		RPD	BKG	DUP	DUP	Dup RPD
Bromochloromethane         106         106         82-129         1         30           Carbon Tetrachlorode         113         115         82-149         30           Carbon Tetrachloride         113         115         82-149         30           Benne         103         115         82-149         30           Henne         103         115         82-123         30           Jondonotethane         103         114         83-123         30           Jordonotethane         101         102         82-128         0         30           Diromomethane         103         114         83-127         0         30           Jordonothane         108         80-137         2         30           J., JTrichloroethane         143         145         77-125         30           J., JDirhomothane         104         105         82-113         1         30           Lorobhomothane         104         106         82-119         1         30           Chiorobenzene         112         111         83-120         0         30           L, JJTetrachlorobenzene         105         117         82-120         1	Analysis Name				RPD					
1,1,1-Trichlorosthane       114       116       81-142       2       30         Carbon Tetrachloride       113       115       82-149       1       30         1,1-Dichloropropene       121       118       86-134       3       30         1,2-Dichlorosthane       148*       151*       70-143       2       30         1,2-Dichlorosthane       148*       151*       70-143       2       30         Trichlorosthane       101       102       82-128       0       30         Dimomodichloromethane       108       104       80-127       2       30         Toluene       113       114       83-127       0       30         Tetrachlorosthane       104       106       78-133       1       30         J,3-Dichlorosthane       104       104       78-120       0       30         Dibromochloromethane       104       104       78-120       1       30         L,2-Dibromochane       115       114       81-120       0       30         Dibromochoromethane       108       114       116       30       30         Styrene       122       122       126       13							<u></u>	<u></u>		
Carbon Tetrachloride         113         115         82-149         1         30           JDichloropropene         121         118         86-124         3         30           JDichloropthane         109         116         83-128         30           JDichloropthane         119         114         83-136         10           Trichloropthane         110         114         83-136         10           Dibromomethane         101         102         82-128         0           Promodichloromethane         108         10.4         83-137         2         30           Promodichloromethane         104         105         82-111         30           1,1,2-Trichloropthane         113         114         83-120         0         30           1,1,2-Trichloropthane         106         106         82-121         1         30           1,1,2-Trichloropthane         106         106         82-121         1         30           1,1,2-Trichloropthane         106         106         83-119         1         30           1,1,1,2-Trichloropthane         106         101         82-129         1         30           1,1,1,2,2-Trichloropthan										
1,1-Dichloropropene       121       118       86-134       3       30         1,2-Dichloroethane       148*       151*       70-143       2       30         1,2-Dichloropropane       113       114       83-128       30         1,2-Dichloropropane       117       117       83-129       0       30         Dibromouthane       113       114       83-127       0       30         Dibromouthane       113       114       83-127       0       30         Tetrachloroethane       113       114       83-127       0       30         Tetrachloroethane       114       116       78-123       1       30         1,1-1/2-Trichloroethane       104       106       82-119       1       30         Chiorobenzene       114       116       78-120       0       30         Chiorobenzene       104       105       82-119       1       30         Chiorobenzene       112       111       83-120       1       30         Fryne       122       122       69-131       1       30         Styrene       112       113       12       130       30         Fro		113	115	82-149		30				
Dencer         109         116         83-128         3         30           Trichloroethane         113         114         83-136         1         30           Dibromonethane         101         102         82-128         0         30           Dibromonethane         108         100         82-128         0         30           Toluene         113         114         83-127         0         30           Toluene         113         114         83-127         0         30           Toluene         114         116         83-127         0         30           JJ.Pichloropropane         106         106         82-121         1         30           JJ.Pichloropropane         104         105         82-121         1         30           J.,JTetrachloroethane         104         104         78-120         0         30           J.,JTetrachloroethane         105         106         83-119         1         30           Gencordon         112         118         128         82-130         1         30           J.,JZ-Tetrachloroethane         108         73-121         3         30         1.1.2.		121	118		3	30				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$										
1,2-Dichloropropane       117       117       83-128       0       30         Dibromomethane       108       110       80-137       2       30         Tolluene       113       114       83-127       0       30         1,1,2-Trichloroethane       134       145*       77-125       2       30         1,1,2-Trichloroethane       114       16       78-133       1       30         1,3-Dichloropropane       106       106       82-121       1       30         1,2-Dibromoethane       104       105       82-119       1       30         1,2-Dibromoethane       104       105       82-119       1       30         1,1-Donzene       105       117       82-120       30       30         Stypene       112       118       (2)       82-130       1       30         Stypene       112       114       (2)       82-130       1       30         Isoprogrylbenzene       117       114       (2)       82-130       1       30         1,2,2-Tetrachloroethane       106       73-121       30       30       30         1,3-STinchloroporpane       106       73-121 <td>1,2-Dichloroethane</td> <td>148*</td> <td>151*</td> <td>70-143</td> <td>2</td> <td>30</td> <td></td> <td></td> <td></td> <td></td>	1,2-Dichloroethane	148*	151*	70-143	2	30				
Dibromomethane         101         102         82-128         0         30           Promodichloromethane         113         114         83-127         0         30           Tolluene         113         114         83-127         0         30           Tetrachloroethane         114         116         78-133         1         30           J.3-Dichloropopane         106         82-119         1         30           Dibromothloromethane         104         105         82-119         1         30           Chlorobenzene         112         111         83-120         30         30           Chlorobenzene         112         111         83-120         30         30           Btyphylenzene         115         117         82-130         1         30           Btyphylene         112         118         20         83-119         10         30           Btyphylene         106         113         10         30         30         30           Isopropylbenzene         117         144         81-130         1         30           Isopropylbenzene         124         121         77-121         30         30	Trichloroethene	113	114	83-136	1	30				
Dibromomethane         101         102         82-128         0         30           Promodichloromethane         113         114         83-127         0         30           Tolluene         113         114         83-127         0         30           Tetrachloroethane         114         116         78-133         1         30           J.3-Dichloropopane         106         82-119         1         30           Dibromothloromethane         104         105         82-119         1         30           Chlorobenzene         112         111         83-120         30         30           Chlorobenzene         112         111         83-120         30         30           Btyphylenzene         115         117         82-130         1         30           Btyphylene         112         118         20         83-119         10         30           Btyphylene         106         113         10         30         30         30           Isopropylbenzene         117         144         81-130         1         30           Isopropylbenzene         124         121         77-121         30         30	1,2-Dichloropropane	117	117	83-129	0	30				
Toluene       113       114       83-127       0       30         1,1,2-Trichlorothane       143*       145*       77-125       2       30         Tetrachloroptopane       106       106       82-121       1       30         Dibromochloromethane       104       105       82-119       1       30         1,2-Dibromothane       104       105       82-119       1       30         The tromothane       104       105       82-119       1       30         1,1,2-Torromothane       104       104       83-119       1       30         The tromothane       105       117       83-120       0       30         The tromothane       106       104       83-119       1       30         Styrene       112       114       83-120       1       30         Isoporgylbenzene       117       142       82-130       1       30         Isoporgylbenzene       117       114       81-130       30       30         Isoporgylbenzene       122       124       74-138       30       30         1,1,2-Z-Tetrachloroethane       106       108       73-125       30       30 <td>Dibromomethane</td> <td>101</td> <td>102</td> <td>82-128</td> <td>0</td> <td>30</td> <td></td> <td></td> <td></td> <td></td>	Dibromomethane	101	102	82-128	0	30				
1,1,2-Trichloroethane       143*       145*       77-125       2       30         1,3-Dichloropropane       106       106       82-131       1       30         1,3-Dichloropropane       104       105       82-119       1       30         1,1,1,2-Tetrachloroethane       104       104       78-120       0       30         1,1,1,2-Tetrachloroethane       105       106       83-119       1       30         Ethylbenzene       111       (2)       113       (2)       82-130       1       30         o-Xylene       111       (2)       113       (2)       82-130       1       30         Styrene       122       122       69-131       0       30         Bromoform       90       89       64-119       0       30         Bromobenzene       109       112       83-121       30       30         I,1,2,2-Trichloropropane       106       128       30       30         Bromoform       90       122       83-121       30         I,2,3-Trichloropropane       106       128       30         -2,-Chlorotoluene       124       121       77-124       130	Bromodichloromethane	108	110	80-137	2	30				
Tetrachlorostheme         114         116         78-133         1         30           1,3-Dichloropropane         106         106         82-121         1         30           Dibromochlaromethane         104         105         82-119         1         30           1,2-Dibromochlaromethane         104         104         82-120         30           Chlorobenzene         112         111         83-120         0         30           1,1,1,2-Tetrachlorothane         105         107         82-130         1         30           erwp-Xylene         106         108         82-130         1         30           oryghene         112         118         82-130         1         30           fscopropylbenzene         117         114         81-130         30         30           fscopropylbenzene         103         106         73-121         3         30           r/, 3, -Trichloropropane         106         108         73-125         2         30           -Arconybenzene         122         124         74-138         30         30           r/, 3, -Trichloroporpane         126         128         71-138         30	Toluene	113	114	83-127	0	30				
1,3-Dichloropropane       106       106       82-112       1       30         Dibromochloromethane       104       105       82-119       30         Chlorobenzene       112       111       83-120       30         Thylbenzene       105       106       83-119       1       30         mtp-Xylene       108       (2)       113       (2)       82-130       1       30         o-Xylene       111       (2)       112       (2)       82-130       1       30         Bromoform       90       89       64-119       0       30         Isopropylbenzene       107       114       81-130       1       30         J.1.2.2-Tetrachloroethane       103       16       73-121       30         J.1.2.3-Tichloropropane       106       112       82-31       30         J.3.5-Trimethylbenzene       128       124*       74-128       30         J.4.4-Trimethylbenzene       124       121       30         J.3.5-Trimethylbenzene       124       124       74-128       30         J.4.4-Trimethylbenzene       124       123       72-128       30         J.3.5-Trimethylbenzene	1,1,2-Trichloroethane	143*	145*	77-125	2	30				
Dibromochlaromethane10410582-1191301,2-Dibromoethane10410478-12030Chlorobenzene11211183-12001,1,2,7 <petrachloroethane< td="">10510683-1191mp-Xylene11511782-1291orAylene111(2)82-30130structor908964-119030Bromoform908964-119030Bromoform10911283-121330Isopropylbenzene10110673-12130J,2,2-Trichoroptopane10600873-12230-Propylbenzene12812574-13811,3,5-Trimethylbenzene12412177-12411,2,4-Trimethylbenzene12412276-128304-Chlorotoluene12712573-13711,3-Sichlorophenzene11211379-12301,2,4-Trimethylbenzene12412273-13711,3-Sichlorophenzene10510352-13721,3-Dichlorobenzene11112881-127301,2,4-Trimethylbenzene12412273-13411,2-Dibromo-3-chloropropane10510352-13721,2-Dichlorobenzene11112882-137301,2-J-Trichlorophenzene10310051-13531,2-Dichlorobenzene111<!--</td--><td>Tetrachloroethene</td><td>114</td><td>116</td><td>78-133</td><td>1</td><td>30</td><td></td><td></td><td></td><td></td></petrachloroethane<>	Tetrachloroethene	114	116	78-133	1	30				
1,2-Dibromoethane       104       104       78-120       0       30         Chlorobenzene       112       111       83-120       0       30         Rthylbenzene       115       117       82-129       1       30         mtp-Xylene       108       (2)       113       (2)       82-130       1       30         o-Xylene       112       124       (2)       82-130       1       30         Styrene       122       126       (2)       83-119       0       30         Fromoform       90       89       64-119       0       30         Bromobenzene       103       106       73-121       3       30         Propylbenzene       103       112       83-121       3       30         n-Propylbenzene       128       125       74-138       1       30         1,3,3-Trinethylbenzene       124       124       76-128       1       30         1,3,4,4-Trilmethylbenzene       135       (2)       126       128       30         1,3,4,4-Trilmethylbenzene       124       122       76-128       1       30         1,3,-Dichiorobenzene       111       123	1,3-Dichloropropane	106	106	82-121	1	30				
Chlorobenzene       112       111       83-120       0       30         Rthylbenzene       115       117       82-129       1       30         Rthylbenzene       108       (2)       113       (2)       82-130       1       30         o-Xylene       111       (2)       113       (2)       82-130       1       30         bromoform       90       89       64-119       0       30         Bromoform       103       116       73-121       3       30         Bromoform       109       112       83-121       3       30         Bromobenzene       109       112       83-121       30       30         Artichloroptopane       106       73-121       30       30         Propylbenzene       128       125       74-138       1       30         2-Chlorocluene       124       121       77-124       1       30         1, 2, 4-Trimethylbenzene       124       122       76-128       1       30         ec-Butylbenzene       127       125       73-137       1       30         1, 2, 4-Trimethylbenzene       124       122       72-134       3	Dibromochloromethane	104	105	82-119	1	30				
1,1,2-Tetrachloroethane       105       106       83-119       1       30         Ethylbenzene       115       117       82-129       1       30         m+p-Xylene       111       (2)       113       (2)       82-130       1       30         o-Xylene       111       (2)       118       (2)       82-130       1       30         Styrene       122       122       69-131       0       30         Bromoform       90       89       64-119       0       30         Bromobenzene       107       114       81-130       1       30         1,2,3-Trichloropropane       106       73-121       3       30         -Propylbenzene       128       125       74-138       1       30         2-Chlorotoluene       124       124       78-121       2       30         1,3,5-Trimethylbenzene       124       124       78-128       1       30         1,4,4-Trimethylbenzene       124       123       72-128       1       30         1,2,4-Trimethylbenzene       124       123       72-128       1       30         1,4-Dichlorobenzene       111       112 <td< td=""><td>1,2-Dibromoethane</td><td>104</td><td>104</td><td>78-120</td><td>0</td><td>30</td><td></td><td></td><td></td><td></td></td<>	1,2-Dibromoethane	104	104	78-120	0	30				
Ethylbenzene       115       117       82-129       1       30         map-Xylene       111       (2)       118       (2)       82-130       1       30         o-Xylene       111       (2)       118       (2)       82-130       1       30         Styrene       122       122       69-131       0       30         Bromoform       90       89       64-119       0       30         Isopropylbenzene       107       114       81-130       1       30         J.1,2,2-Trichloropthane       108       73-121       3       30         a-Propylbenzene       128       124       74-138       1       30         1,3,5-Trimethylbenzene       124       121       77-124       1       30         1,3,5-Trimethylbenzene       124       122       76-128       1       30         1,2,4-Trimethylbenzene       124       122       76-128       1       30         1,3-Dichlorobenzene       117       81-122       0       30         1,3-Dichlorobenzene       124       122       72-128       1       30         1,3-Dichlorobenzene       110       112       81-120	Chlorobenzene	112	111	83-120	0	30				
mip-Xylene       108       (2)       113       (2)       82-130       1       30         o-Xylene       112       118       (2)       82-130       1       30         Bromoform       90       89       64-119       0       30         Isopropylbenzene       117       114       81-130       1       30         Jr., 2, 2-Tetrachloroethane       103       106       73-121       3       30         Jr., 2, 3-Trichloropropane       106       112       83-121       3       30         n-Propylbenzene       128       125       74-138       1       30         2-Chlorotoluene       124       121       77-124       1       30         2-Chlorotoluene       129       122       76-128       1       30         1, 3, 5-Trimethylbenzene       124       123       72-128       1       30         1, 2, 4-Trimethylbenzene       124       123       72-128       1       30         1, 2, 4-Trimethylbenzene       111       112       81-122       0       30         1, 3, 5-Trichlorobenzene       112       123       72-128       1       30         1, 2-bichlorobenzene       <	1,1,1,2-Tetrachloroethane	105	106	83-119	1	30				
o-xylène111 (2)118 (2)82-130130Styrene12269-131030Bromoform908964-119030Isopropylenzene11711481-130130J.1,2,2-Tetrachloroethane10310673-121330Bromobenzene10911283-12130arconobrazene10911283-12130-Propylbenzene12812574-138102-Chlorotoluene122*124*78-121304-Chlorotoluene12412177-1241304-Chlorotoluene12412276-1281301,3-bichlorobenzene12412272-1281301,3-bichlorobenzene12712573-137130p-Isopropyltoluene12412372-1281301,3-bichlorobenzene11111281-1220301,3-bichlorobenzene10111282-1171301,2,4-Trimethylbenzene10710760-121301,2,4-Trichlorobenzene10810957-1250301,2,3-Trichlorobenzene10810451-135301,2,4-Trichlorobenzene10710760-1210301,2,4-Trichlorobenzene10810451-135301,2,4-Trichlorobenzene10910957-1250301,2,4-Trichlo	Ethylbenzene	115	117	82-129	1	30				
Styrene       122       122       69-131       0       30         Bromoform       90       89       64-119       0       30         Isopropylbenzene       117       114       81-130       1       30         J.1, 2, 2-Tetrachloroethane       103       106       73-121       3       30         Bromobenzene       109       112       83-121       30       30         n-Propylbenzene       128       125       74-138       1       30         2-Chlorotoluene       122*       124*       78-121       2       30         1,3,5-Trimethylbenzene       124       121       77-124       1       30         4-Chlorotoluene       119       17       81-123       2       30         tert-Butylbenzene       124       122       76-128       30         sec-Butylbenzene       127       125       73-137       1       30         p-Isopropyltoluene       124       123       72-128       1       30         1, 2-bithlorobenzene       110       112       81-122       30       30         1, 2-bithlorobenzene       105       105       52-137       2       30	m+p-Xylene	108 (2)	113 (2)	82-130	1	30				
Bromoform         90         89         64-119         0         30           Isopropylbenzene         117         114         81-130         1         30           1,1,2,2-Tetrachloroethane         109         112         83-121         3         30           Jr.a,3-Trichloropropane         106         108         73-125         2         30           n-Propylbenzene         128         125         74-138         1         30           2-chlorotoluene         122*         124*         78-121         2         30           1,3,5-Trimethylbenzene         124         72         72-724         1         30           1,2,4-Trimethylbenzene         124         122         76-128         1         30           1,2,4-Trimethylbenzene         127         125         73-137         1         30           p-Isopropyltoluene         124         123         72-128         1         30           1,3-Dichlorobenzene         111         112         81-122         0         30           1,4-Dichlorobenzene         107         107         60-121         0         30           1,2-Dichlorobenzene         107         107         60-121	o-Xylene	111 (2)	118 (2)	82-130	1	30				
Bromoform       90       89       64-119       0       30         Isopropylbenzene       117       114       81-130       1       30         J.1, 2, 2-Tetrachloroethane       103       106       73-121       3       30         Bromobenzene       109       112       83-121       3       30         1, 2, 3-Trichloropropane       106       108       73-125       2       30         n-Propylbenzene       128       125       74-138       1       30         2-Chlorotoluene       122*       124*       78-121       2       30         1, 3, 5-Trimethylbenzene       124       121       77-124       1       30         4-Chlorotoluene       119       117       81-123       2       30         tert-Butylbenzene       124       122       76-128       1       30         1, 2, 4-Trimethylbenzene       127       125       73-137       1       30         p-Isopropyltoluene       124       123       72-128       1       30         1, 3-Dichlorobenzene       110       112       81-120       30       30         1, 2-Dichlorobenzene       107       107       60-121	Styrene	122	122	69-131	0	30				
1, 1, 2, 2 Tetrachloroethane10310673-121330Bromobenzene109112 $83$ -1213301, 2, 3-Trichloropropane10610873-125230n-Propylbenzene12812574-1381302-Chlorotoluene122*124*78-1212304-Chlorotoluene11911781-1232304-Chlorotoluene12412276-1281304-Chlorotoluene12712573-1371309-Tsopropyltoluene12412372-1281301, 4-Dichlorobenzene11111281-1220301, 3-Dichlorobenzene11211379-1230301, 2-Dibromo-3-chloropropane10510352-1372301, 2, 4-Trichlorobenzene10710760-1210301, 2, 4-Trichlorobenzene10810465-1273301, 2, 4-Trichlorobenzene10810465-1273301, 2, 3-Trichlorobenzene10810465-1273301, 2, 3-Trichloropropene10310377-1230301, 2, 3-Trichlorobenzene10810465-1273301, 2, 3-Trichlorobenzene10810465-1273301, 2, 3-Trichloropropene10810377-1230301, 2, 3-Trichlorobenzene108 <td< td=""><td></td><td>90</td><td>89</td><td>64-119</td><td>0</td><td>30</td><td></td><td></td><td></td><td></td></td<>		90	89	64-119	0	30				
Bromobenzene10911283-1213301,2,3-Trichloropropane10610873-125230n-Propylbenzene12812574-1381302-Chlorotoluene122*124*78-1212304-Chlorotoluene11911781-1232304-Chlorotoluene12412276-1281304-Chlorotoluene12412276-1281301,2,4-Trimethylbenzene135(2)126(2)80-12511,3-Dichlorobenzene11211379-1230301,4-Dichlorobenzene11111281-1220301,2,2-Trichlorobenzene10111282-1171301,2,2-Trichlorobenzene10710760-1210301,2,3-Trichlorobenzene10810051-135330Naphthalene10910957-1373301,2,3-Trichlorobenzene10810465-1273301,2,3-Trichlorobenzene10810465-127330Naphthalene10911477-1373302-Butanone929457-1373302-Butanone929457-1373302-Butanone959768-1333302-Hexanone959768-1351302-Chloroethyl Vinyl Ether0* <td< td=""><td>Isopropylbenzene</td><td>117</td><td>114</td><td>81-130</td><td>1</td><td>30</td><td></td><td></td><td></td><td></td></td<>	Isopropylbenzene	117	114	81-130	1	30				
1,2,3-Trichloropropane       106       108       73-125       2       30         n-Propylbenzene       128       125       74-138       1       30         2-Chlorotoluene       122*       124*       78-121       2       30         1,3,5-Trimethylbenzene       124       121       77-124       1       30         4-Chlorotoluene       119       117       81-123       2       30         tert-Butylbenzene       124       122       76-128       1       30         sec-Butylbenzene       127       125       73-137       1       30         p-Isopropyltoluene       124       123       72-128       1       30         j.4-Dichlorobenzene       111       112       81-122       0       30         j.4-Dichlorobenzene       110       112       81-122       0       30         j.2-Dichlorobenzene       100       103       52-137       2       30         j.2-Dichlorobenzene       107       107       60-121       30         j.2,2-Trichlorobenzene       108       104       65-127       30         j.2,3-Trichlorobenzene       109       109       57-125       30	1,1,2,2-Tetrachloroethane	103	106	73-121	3	30				
n-Propylbenzene12812574-1381302-Chlorotoluene122*124*78-1212301,3,5-Trimethylbenzene12412177-1241304-Chlorotoluene11911781-123230tert-Butylbenzene12412177-1241301,2,4-Trimethylbenzene12412573-137130p-Isopropyltoluene12412372-1281301,3-Dichlorobenzene11211379-1230301,4-Dichlorobenzene11111281-1220301,2,4-Trichlorobenzene11011282-1171301,2,2-Dibromo-3-chloropropane10510352-1372301,2,3-Trichlorobenzene10710760-121030Hexachlorobutadiene10310051-135330Naphthalene10910957-1373302-Butanone929457-1373302-Butanone929457-1373302-Butanone959768-1333302-Hexanone959768-133302-Hexanone959768-1351302-Hexanone959768-1351302-Hexanone959768-135130	Bromobenzene	109	112	83-121	3	30				
2-Chlorotoluene       122*       124*       78-121       2       30         1,3,5-Trimethylbenzene       124       121       77-124       1       30         4-Chlorotoluene       119       117       81-123       2       30         tert-Butylbenzene       124       122       76-128       1       30         1,2,4-Trimethylbenzene       135       (2)       126       (2)       80-125       1       30         sec-Butylbenzene       127       125       73-137       1       30         p-Isopropyltoluene       124       123       72-128       1       30         1,4-Dichlorobenzene       111       112       81-122       0       30         1,4-Dichlorobenzene       110       112       81-122       0       30         1,2-Dichlorobenzene       106       103       52-137       2       30         1,2-Jichlorobenzene       107       107       60-121       0       30         Hexachlorobutadiene       103       100       57-135       3       30         Naphthalene       109       104       65-127       3       30         Acetone       96       94	1,2,3-Trichloropropane	106	108	73-125	2	30				
1,3,5-Trimethylbenzene12412177-1241304-Chlorotoluene11911781-123230tert-Butylbenzene12412276-1281301,2,4-Trimethylbenzene135(2)126(2)80-125130p-Isopropyltoluene12712573-1371301,3-Dichlorobenzene11211379-1230301,4-Dichlorobenzene11111281-1220301,2-Dichlorobenzene11011282-1171301,2-Dichlorobenzene10510352-1372301,2-Dichlorobenzene10510352-1372301,2-Dichlorobenzene10710760-1210301,2,3-Trichlorobenzene10810465-1273301,2,3-Trichlorobenzene10810465-1273301,2,3-Trichloropoppene10310377-1230301,2,3-Trichloropene10310377-1373302-Butanone929457-1373302-Butanone929457-1373302-Hexanone959768-133302-Hexanone959768-133302-Chloroethyl Vinyl Ether0*0*1-156030	n-Propylbenzene	128	125	74-138	1	30				
4-Chlorotoluene11911781-123230tert-Butylbenzene12412276-1281301,2,4-Trimethylbenzene135(2)126(2)80-125130sec-Butylbenzene12712573-137130p-Isopropyltoluene12412372-1281301,3-Dichlorobenzene11111281-1220301,4-Dichlorobenzene11111281-1220301,2-Dichlorobenzene10111282-1171301,2-Dichlorobenzene10010352-1372301,2-Dibromo-3-chloropropane10510352-1372301,2,4-Trichlorobenzene10710760-1210301,2,3-Trichlorobenzene10810455-1273301,2,3-Trichlorobenzene10911474-1354302-Butanone929457-1373302-Butanone929457-1373302-Butanone929457-1373302-Butanone959768-1333302-Hexanone959768-133302-Chloroethyl Vinyl Ether0*1-156030	2-Chlorotoluene	122*	124*	78-121	2	30				
tert-Butylbenzene12412276-1281301,2,4-Trimethylbenzene135(2)126(2)80-125130sec-Butylbenzene12712573-137130p-Isopropyltoluene12412372-1281301,3-Dichlorobenzene11211379-1230301,4-Dichlorobenzene11111281-1220301,2-Dichlorobenzene12412273-1341301,2-Dichlorobenzene10011282-1171301,2,4-Trichlorobenzene10710760-1210301,2,4-Trichlorobenzene10310051-135330Naphthalene10910957-1250301,2,3-Trichlorobenzene10810465-1273302-Butanone969448-1432302-Butanone929457-1373302-Butanone929457-1373302-Hexanone959768-1333302-Hexanone959768-1333302-Chloroethyl Vinyl Ether0*0*1-156030	1,3,5-Trimethylbenzene	124	121	77-124	1	30				
1, 2, 4-Trimethylbenzene135(2)126(2)80-125130sec-Butylbenzene12712573-137130 $p$ -Isopropyltoluene12412372-128130 $1, 3$ -Dichlorobenzene11211379-123030 $1, 4$ -Dichlorobenzene111112 $81-122$ 030 $1, 4$ -Dichlorobenzene110112 $81-122$ 030 $1, 2$ -Dichlorobenzene110112 $82-117$ 130 $1, 2$ -Dichlorobenzene100103 $52-137$ 230 $1, 2, -Dichlorobenzene10710760-1210301, 2, 4-Trichlorobenzene10310051-135330Naphthalene10910957-1250301, 2, 3-Trichlorobenzene10810465-127330Acetone969448-143230Carbon Disulfide10911474-1354302-Butanone929457-137330cis-1, 3-Dichloropropene10310377-123030cis-1, 3-Dichloropropene10710880-1261302-Huxanone959768-1333302-Huxanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030$	4-Chlorotoluene	119	117	81-123	2	30				
sec       Butylbenzene       127       125       73-137       1       30         p-Isopropyltoluene       124       123       72-128       1       30         1, 3-Dichlorobenzene       112       113       79-123       0       30         1, 4-Dichlorobenzene       111       112       81-122       0       30         n-Butylbenzene       124       122       73-134       1       30         1, 2-Dichlorobenzene       110       112       82-117       1       30         1, 2-Dichlorobenzene       105       103       52-137       2       30         1, 2, 4-Trichlorobenzene       107       107       60-121       0       30         Hexachlorobutadiene       103       100       51-135       3       30         Naphthalene       109       109       57-125       0       30         1, 2, 3-Trichlorobenzene       108       104       65-127       3       30         Acetone       96       94       48-143       2       30         Carbon Disulfide       109       114       74-135       4       30         2-Butanone       92       94       57-137 <td< td=""><td>tert-Butylbenzene</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	tert-Butylbenzene									
p-Isopropyltoluene12412372-1281301,3-Dichlorobenzene11211379-1230301,4-Dichlorobenzene11111281-122030n-Butylbenzene12412273-1341301,2-Dichlorobenzene11011282-1171301,2-Dibromo-3-chloropropane10510352-1372301,2,4-Trichlorobenzene10710760-121030Hexachlorobutadiene10310051-135330Naphthalene10910957-1250301,2,3-Trichlorobenzene10810465-127330Acetone969448-143230Carbon Disulfide10911474-1354302-Butanone929457-137330trans-1,3-Dichloropropene10310377-123030cis-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959768-1333302-Chloroethyl Vinyl Ether0*0*1-156030	1,2,4-Trimethylbenzene	135 (2)		80-125	1					
1,3-Dichlorobenzene11211379-1230301,4-Dichlorobenzene11111281-122030n-Butylbenzene12412273-1341301,2-Dichlorobenzene11011282-1171301,2-Dibromo-3-chloropropane10510352-1372301,2,4-Trichlorobenzene10710760-121030Hexachlorobutadiene10310051-135330Naphthalene10810465-127330Acetone969448-143230Carbon Disulfide10911474-135430z-Butanone929457-137330cis-1,3-Dichloropropene10310377-123030cis-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030	sec-Butylbenzene	127	125	73-137	1	30				
1,4-Dichlorobenzene11111281-122030n-Butylbenzene12412273-1341301,2-Dichlorobenzene11011282-1171301,2-Dibromo-3-chloropropane10510352-1372301,2,4-Trichlorobenzene10710760-121030Hexachlorobutadiene10310051-135330Naphthalene10910957-1250301,2,3-Trichlorobenzene10810465-127330Acetone969448-143230Carbon Disulfide10911474-1354302-Butanone929457-137330trans-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959760-1351302-Hexanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030	p-Isopropyltoluene	124	123	72-128	1	30				
n-Butylbenzene12412273-1341301,2-Dichlorobenzene11011282-1171301,2-Dibromo-3-chloropropane10510352-1372301,2,4-Trichlorobenzene10710760-121030Hexachlorobutadiene10310051-135330Naphthalene10910957-1250301,2,3-Trichlorobenzene10810465-127330Acetone969448-143230Carbon Disulfide10911474-1354302-Butanone929457-137330trans-1,3-Dichloropropene10310377-123030cis-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959768-1333302-Hexanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030	1,3-Dichlorobenzene	112	113	79-123	0	30				
1,2-Dichlorobenzene11011282-1171301,2-Dibromo-3-chloropropane10510352-1372301,2,4-Trichlorobenzene10710760-121030Hexachlorobutadiene10310051-135330Naphthalene10910957-1250301,2,3-Trichlorobenzene10810465-127330Acetone969448-143230Carbon Disulfide10911474-1354302-Butanone929457-137330trans-1,3-Dichloropropene10310377-123030cis-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959768-1333302-Hexanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030	1,4-Dichlorobenzene	111	112	81-122						
1,2-Dibromo-3-chloropropane10510352-1372301,2,4-Trichlorobenzene10710760-121030Hexachlorobutadiene10310051-135330Naphthalene10910957-1250301,2,3-Trichlorobenzene10810465-127330Acetone969448-143230Carbon Disulfide10911474-1354302-Butanone929457-137330trans-1,3-Dichloropropene10310377-123030cis-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959768-1333302-Hexanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030										
1,2,4-Trichlorobenzene10710760-121030Hexachlorobutadiene10310051-135330Naphthalene10910957-1250301,2,3-Trichlorobenzene10810465-127330Acetone969448-143230Carbon Disulfide10911474-1354302-Butanone929457-137330trans-1,3-Dichloropropene10310377-123030cis-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959768-1333302-Huanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030										
Hexachlorobutadiene10310051-135330Naphthalene10910957-1250301,2,3-Trichlorobenzene10810465-127330Acetone969448-143230Carbon Disulfide10911474-1354302-Butanone929457-137330trans-1,3-Dichloropropene10310377-123030cis-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959768-1333302-Hexanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030										
Naphthalene10910957-1250301,2,3-Trichlorobenzene10810465-127330Acetone969448-143230Carbon Disulfide10911474-1354302-Butanone929457-137330trans-1,3-Dichloropropene10310377-123030cis-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959768-1333302-Hexanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030										
1,2,3-Trichlorobenzene10810465-127330Acetone969448-143230Carbon Disulfide10911474-1354302-Butanone929457-137330trans-1,3-Dichloropropene10310377-123030cis-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959768-1333302-Hexanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030										
Acetone969448-143230Carbon Disulfide10911474-1354302-Butanone929457-137330trans-1,3-Dichloropropene10310377-123030cis-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959768-1333302-Hexanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030										
Carbon Disulfide10911474-1354302-Butanone929457-137330trans-1,3-Dichloropropene10310377-123030cis-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959768-1333302-Hexanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030	1,2,3-Trichlorobenzene									
2-Butanone929457-137330trans-1,3-Dichloropropene10310377-123030cis-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959768-1333302-Hexanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030										
trans-1,3-Dichloropropene10310377-123030cis-1,3-Dichloropropene10710880-1261304-Methyl-2-pentanone959768-1333302-Hexanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030										
cis-1,3-Dichloropropene       107       108       80-126       1       30         4-Methyl-2-pentanone       95       97       68-133       3       30         2-Hexanone       95       97       60-135       1       30         2-Chloroethyl Vinyl Ether       0*       0*       1-156       0       30										
4-Methyl-2-pentanone959768-1333302-Hexanone959760-1351302-Chloroethyl Vinyl Ether0*0*1-156030					-					
2-Hexanone 95 97 60-135 1 30 2-Chloroethyl Vinyl Ether 0* 0* 1-156 0 30										
2-Chloroethyl Vinyl Ether 0* 0* 1-156 0 30										
Freon 113 132 133 78-146 1 30										
	Freon 113	132	133	78-146	1	30				

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 14 of 20

## Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

### 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	<u>RPD</u>	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
<u></u>		01120		<u></u>			<u></u>	<u></u>	
Batch number: X072971AA		number(s)		UNSPK:	P1876	71			
Methyl Tertiary Butyl Ether	106		59-119						
di-Isopropyl ether	84		58-113						
Ethyl t-butyl ether	105		60-112						
t-Amyl methyl ether	114*		63-112						
t-Butyl alcohol Dichlorodifluoromethane	121 150*		51-134						
Chloromethane	108		19-107 38-115						
Vinyl Chloride	108		41-104						
Bromomethane	122*		50-114						
Chloroethane	112		52-114						
Trichlorofluoromethane	155*		39-122						
1,1-Dichloroethene	117		64-118						
Methylene Chloride	87		50-127						
trans-1,2-Dichloroethene	112*		60-110						
1,1-Dichloroethane	105		65-115						
2,2-Dichloropropane	132*		64-115						
cis-1,2-Dichloroethene	107		67-110						
Chloroform	124*		69-117						
Bromochloromethane	108		72-114						
1,1,1-Trichloroethane	138*		64-118						
Carbon Tetrachloride	144*		56-120						
1,1-Dichloropropene	112		57-114						
Benzene	105		66-112						
1,2-Dichloroethane	132*		62-130						
Trichloroethene	122		48-131						
1,2-Dichloropropane	95		64-112						
Dibromomethane	110		69-113						
Bromodichloromethane	123*		66-119						
Toluene	106		50-121						
1,1,2-Trichloroethane	103		64-118						
Tetrachloroethene	127		40-140						
1,3-Dichloropropane	99 110 t		66-110						
Dibromochloromethane 1,2-Dibromoethane	118*		67-113						
Chlorobenzene	106 109		66-108 58-109						
1,1,1,2-Tetrachloroethane	109 117*		67-110						
Ethylbenzene	111		54-116						
m+p-Xylene	109		52-117						
o-Xylene	111		52-117						
Styrene	72		48-111						
Bromoform	108		54-114						
Isopropylbenzene	115		41-120						
1,1,2,2-Tetrachloroethane	90		37-142						
Bromobenzene	112*		64-110						
1,2,3-Trichloropropane	108		57-131						
n-Propylbenzene	110		54-119						
2-Chlorotoluene	106		53-113						
1,3,5-Trimethylbenzene	111		52-117						
4-Chlorotoluene	107		52-113						
tert-Butylbenzene	109		44-118						
1,2,4-Trimethylbenzene	108		47-122						

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 15 of 20

### Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

#### 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 sec-Butylbenzene p-Isopropyltoluene 1,3-Dichlorobenzene 1,4-Dichlorobenzene n-Butylbenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2,4-Trichlorobenzene Hexachlorobutadiene Naphthalene 1,2,3-Trichlorobenzene Ethanol Acetone Carbon Disulfide 2-Butanone trans-1,3-Dichloropropene	MS <u>%REC</u> 112 113 110* 109 109 110 87 99 125 84 100 115 89 97 75 106 100	MSD <u>%REC</u>	MS/MSD Limits 38-124 43-117 47-109 35-120 50-111 39-128 11-121 10-122 10-123 17-124 35-148 25-200 51-114 47-148 60-110 56-112	<u>RPD</u>	RPD <u>MAX</u>	BKG <u>Conc</u>	DUP Conc	DUP <u>RPD</u>	Dup RPD <u>Max</u>
trans-1,3-Dichloropropene	75 106		60-110						
4-Methyl-2-pentanone 2-Hexanone Freon 113	100 79 77 112		56-112 49-124 44-139 47-115						

#### 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 soils Batch number: 07292A33B Trifluorotoluene-F

	Trifuorotoluene-F
5190636 5190638	1* 1*
Blank	98
LCS	105
MS	96
MSD	86
Limits:	61-122
	me: TPH by NWTPH-Dx(soils) w/SiGel r: 072930008A Orthoterphenyl
5190633	103
5190636	114
Blank	115
DUP	118
LCS	130
Limits:	50-150

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 16 of 20

### Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:0 Group Number: 1061924

### Reported: 12/18/07 at 08:00 AM

Surrogate Quality Control

Analysis Name: TPH by NWTPH-Dx(soils) w/SiGel Batch number: 072930021A Orthoterphenyl

5190648	118
5190650	108
5190658	94
5190659	105
5190668	100
5190670	116
Blank	105
DUP	116
LCS	113

Limits: 50-150

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel Batch number: 072950004A Orthoterphenyl

5190651	124		
5190652	123		
5190654	133		
5190655	108		
5190661	106		
5190662	122		
5190664	126		
5190665	131		
Blank	113		
LCS	129		
LCSD	133		

Limits: 50-150

#### Analysis Name: TPH by NWTPH-Dx(soils) w/SiGel Batch number: 072950014A Orthoterphenyl

5190643	103			
5190645	96			
5190672	105			
5190674	99			
Blank	101			
DUP	94			
LCS	104			

Limits: 50-150

Analysis Name: TPH by NWTPH-Dx(soils) w/SiGel Batch number: 072950028A Orthoterphenyl

519064779519067789Blank95DUP80LCS99

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 17 of 20

### Quality Control Summary

Client	Nar	ne:	Che	evro	on	
Reporte	ed:	12	/18/	07	at	08:0

Group Number: 1061924

00 AM

Surrogate Quality Control

Limits: 50-150

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14	
190643	887*	48	64	
190644	34*	40 11*	11*	
190668	74	96	138	
190669	431*	94	92	
190670	180*	75	88	
lank	92	96	106	
CS	102	98	104	
IS	427*	58	68	
SD	770*	51	70	
imits:	51-143	48-122	51-155	
	ame: Selected SVOAs by	8270 SIM		
alch numb	er: 07295WAF026	0. Elwewebieber	Termhener 3 d14	
	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14	
190651	107	95	103	
190652	120	93	97	
190654	107	85	89	
190661	99	90	84	
190662	116	94	101	
190663	155*	89	96	
190665	130	71	96	
lank	104	102	104	
CS	105	102	102	
CSD	103	100	101	
imits:	50-153	52-132	58-141	
nalvsis N	ame: TPH by NWTPH-Gx wa	aters		
	er: 07297A07A			
	Trifluorotoluene-F			
190652	99			
190653	98			
190654	98			
190655	95			
190656	99			
190661	98			
190666	102			
190667	103			
lank	101			
CS	104			
CSD IS	102 104			
imits:	63-135			

Trifluorotoluene-F Trifluorotoluene-P

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 18 of 20

## Quality Control Summary

Client Na	ame: (	Chevro	on		
Reported	: 12/1	L8/07	at	08:00	AM

Group Number: 1061924

#### Surrogate Quality Control

5190633	79			
5190644	14*			
5190645	1*			
5190650	72	81		
5190658	79	01		
5190659	79			
5190668	78			
5190672	75			
5190674	77			
5190677	83			
Blank	88	97		
LCS	101	98		
MS	97	88		
MSD	78	90		
Limits:	61-122	55-124		
Analysis Na	me: TPH by NWTPH-Gx soils			
	r: 07303A02B			
	Trifluorotoluene-F	Trifluorotoluene-P		
5190643	21*			
5190647	8*			
5190648	10*			
Blank	89			
LCS	101	98		
MS	97	88		
MSD	78	90		
MSD	70	90		
Limits:	61-122	55-124		
		55-124		
Analysis Na	me: BTEX+MTBE by 8260B	55-124		
Analysis Na	me: BTEX+MTBE by 8260B r: A073031AA		Toluene-d8	4-Bromofluorobenzene
Analysis Na	me: BTEX+MTBE by 8260B	55-124 1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Analysis Na Batch numbe	me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane	1,2-Dichloroethane-d4		
Analysis Na Batch numbe 5190672	me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane	1,2-Dichloroethane-d4	255*	35*
Analysis Na Batch numbe 5190672 5190681	me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane 27* 27*	1,2-Dichloroethane-d4 22* 26*	255* 249*	35* 35*
Analysis Na Batch numbe 5190672 5190681 5190684	me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane 27* 27* 56*	1,2-Dichloroethane-d4 22* 26* 26*	255* 249* 222*	35* 35* 39*
Analysis Na Batch numbe 5190672 5190681	me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane 27* 27*	1,2-Dichloroethane-d4 22* 26*	255* 249*	35* 35*
Analysis Na Batch numbe 5190672 5190681 5190684	me: BTEX+MTBE by 8260B br: A073031AA Dibromofluoromethane 27* 27* 56* 94	1,2-Dichloroethane-d4 22* 26* 26* 103	255* 249* 222*	35* 35* 39*
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS	me: BTEX+MTBE by 8260B br: A073031AA Dibromofluoromethane 27* 27* 56* 94 95	1,2-Dichloroethane-d4 22* 26* 103 100	255* 249* 222* 91 93	35* 35* 39* 87 90
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD	me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane 27* 27* 56* 94 95 95	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100	255* 249* 222* 91 93 93	35* 35* 39* 87 90 89
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS	me: BTEX+MTBE by 8260B br: A073031AA Dibromofluoromethane 27* 27* 56* 94 95	1,2-Dichloroethane-d4 22* 26* 103 100	255* 249* 222* 91 93	35* 35* 39* 87 90
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD	me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane 27* 27* 56* 94 95 95	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100	255* 249* 222* 91 93 93	35* 35* 39* 87 90 89
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD MS Limits:	me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane 27* 27* 56* 94 95 95 95 51* 71-114	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100 40*	255* 249* 222* 91 93 93 460*	35* 35* 39* 87 90 89 66*
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD MS Limits:	me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane 27* 27* 56* 94 95 95 95 51* 71-114	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100 40*	255* 249* 222* 91 93 93 460*	35* 35* 39* 87 90 89 66*
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD MS Limits: Analysis Na	me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane 27* 27* 56* 94 95 95 95 51* 71-114 me: EPA SW846/8260 (soil)	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100 40*	255* 249* 222* 91 93 93 460*	35* 35* 39* 87 90 89 66*
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD MS Limits: Analysis Na	me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane 27* 27* 56* 94 95 95 51* 71-114 me: EPA SW846/8260 (soil) r: Q072981AA	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100 40* 70-109	255* 249* 222* 91 93 93 460* 70-123	35* 35* 39* 87 90 89 66* 70-111
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD MS Limits: Analysis Na	me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane 27* 27* 56* 94 95 95 95 51* 71-114 me: EPA SW846/8260 (soil)	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100 40*	255* 249* 222* 91 93 93 460*	35* 35* 39* 87 90 89 66*
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD MS Limits: Analysis Na Batch numbe	me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane 27* 27* 56* 94 95 95 51* 71-114 me: EPA SW846/8260 (soil) r: Q072981AA Dibromofluoromethane	1,2-Dichloroethane-d4 22* 26* 103 100 100 40* 70-109 1,2-Dichloroethane-d4	255* 249* 222* 91 93 93 460* 70-123 Toluene-d8	35* 35* 39* 87 90 89 66* 70-111 4-Bromofluorobenzene
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD MS Limits: Analysis Na Batch numbe 5190633	<pre>me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane  27* 27* 56* 94 95 95 51*  71-114 me: EPA SW846/8260 (soil) r: Q072981AA Dibromofluoromethane  97</pre>	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100 40* 70-109 1,2-Dichloroethane-d4 88	255* 249* 222* 91 93 93 460* 70-123 Toluene-d8 86	35* 35* 39* 87 90 89 66* 70-111 4-Bromofluorobenzene 96
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD MS Limits: Analysis Na Batch numbe 5190633 5190636	<pre>me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane  27* 27* 56* 94 95 95 51* 71-114 me: EPA SW846/8260 (soil) r: Q072981AA Dibromofluoromethane  97 94</pre>	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100 40* 70-109 1,2-Dichloroethane-d4 88 85	255* 249* 222* 91 93 93 460* 70-123 Toluene-d8 86 115	35* 35* 39* 87 90 89 66* 70-111 4-Bromofluorobenzene 96 96
Analysis Na Batch number 5190672 5190681 5190684 Blank LCS LCSD MS Limits: Analysis Na Batch number 5190633 5190636 5190638	<pre>me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane  27* 27* 56* 94 95 95 51*  71-114 me: EPA SW846/8260 (soil) r: Q072981AA Dibromofluoromethane  97 94 96</pre>	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100 40* 70-109 1,2-Dichloroethane-d4 88 85 91	255* 249* 222* 91 93 93 460* 70-123 Toluene-d8 86 115 91	35* 35* 39* 87 90 89 66* 70-111 4-Bromofluorobenzene 96 96 106
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD MS Limits: Analysis Na Batch numbe 5190633 5190636	<pre>me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane  27* 27* 56* 94 95 95 51* 71-114 me: EPA SW846/8260 (soil) r: Q072981AA Dibromofluoromethane  97 94</pre>	1,2-Dichloroethane-d4 22* 26* 103 100 100 40* 70-109 1,2-Dichloroethane-d4 88 85 91 91	255* 249* 222* 91 93 93 460* 70-123 Toluene-d8 86 115	35* 35* 39* 87 90 89 66* 70-111 4-Bromofluorobenzene 96 96
Analysis Na Batch number 5190672 5190681 5190684 Blank LCS LCSD MS Limits: Analysis Na Batch number 5190633 5190636 5190638	<pre>me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane  27* 27* 56* 94 95 95 51* 71-114 me: EPA SW846/8260 (soil) r: Q072981AA Dibromofluoromethane  97 94 96</pre>	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100 40* 70-109 1,2-Dichloroethane-d4 88 85 91	255* 249* 222* 91 93 93 460* 70-123 Toluene-d8 86 115 91	35* 35* 39* 87 90 89 66* 70-111 4-Bromofluorobenzene 96 96 106
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD MS Limits: Analysis Na Batch numbe 5190633 5190633 5190643 5190643 5190645	<pre>me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane  27* 27* 56* 94 95 95 51*  71-114 me: EPA SW846/8260 (soil) r: Q072981AA Dibromofluoromethane  97 94 96 97 104</pre>	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100 40* 70-109 1,2-Dichloroethane-d4 88 85 91 91 97	255* 249* 222* 91 93 93 460* 70-123 Toluene-d8 86 115 91 89 105	35* 35* 39* 87 90 89 66* 70-111 4-Bromofluorobenzene 96 96 96 106 101 108
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD MS Limits: Analysis Na Batch numbe 5190633 5190633 5190643 5190645 5190647	<pre>me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane  27* 27* 56* 94 95 95 51*  71-114 me: EPA SW846/8260 (soil) r: Q072981AA Dibromofluoromethane  97 94 96 97 104 108</pre>	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100 40* 70-109 1,2-Dichloroethane-d4 88 85 91 91 97 99	255* 249* 222* 91 93 93 460* 70-123 Toluene-d8 86 115 91 89 105 101	35* 35* 39* 87 90 89 66* 70-111 4-Bromofluorobenzene 96 96 106 101 101 108 108
Analysis Na Batch numbe 5190672 5190681 5190684 Blank LCS LCSD MS Limits: Analysis Na Batch numbe 5190633 5190633 5190643 5190643 5190643	<pre>me: BTEX+MTBE by 8260B r: A073031AA Dibromofluoromethane  27* 27* 56* 94 95 95 51*  71-114 me: EPA SW846/8260 (soil) r: Q072981AA Dibromofluoromethane  97 94 96 97 104</pre>	1,2-Dichloroethane-d4 22* 26* 26* 103 100 100 40* 70-109 1,2-Dichloroethane-d4 88 85 91 91 97	255* 249* 222* 91 93 93 460* 70-123 Toluene-d8 86 115 91 89 105	35* 35* 39* 87 90 89 66* 70-111 4-Bromofluorobenzene 96 96 96 106 101 108

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 19 of 20

## Quality Control Summary

	l: 12/18/07 at 08:00 A		uality Control	
LCSD	96	90	89	97
Limits:	71-114	70-109	70-123	70-111
	Name: EPA SW846/8260 (soil)			
Batch numb	per: Q072982AA			
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzen
5190644	96	88	80	99
5190680	113	105	113	110
Blank	104	100	97	99
LCS	108	102	100	105
LCSD	109	103	101	106
Limits:	71-114	70-109	70-123	70-111
Analysis M Batch numb	Jame: BTEX+MTBE by 8260B ber: R073031AA			
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzen
5190674	101	101	99	97
5190677	101	100	97	94
Blank	99	102	98	93
LCS	93	95	92	92
MS	89	91	88	92
MSD	88	91	87	88
Limits:	71-114	70-109	70-123	70-111
Analysis N	Jame: EPA SW846/8260 (water	-)		
	per: W073001AA	. /		
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzen
5190652	94	95	100	95
5190654	95	97	99	94
5190655	96	97	100	94
5190656	95	97	99	96
5190661	96	95	99	94
5190662	97	96	99	94
5190666	97	98	99	94
Blank	97	97	100	94
LCS	96	97	100	95
MS	97	96	99	93
MSD	96	97	98	95
Limits:	80-116	77-113	80-113	78-113
Analysis 1	Jame: EPA SW846/8260 (wate:	:)		
Batch numb	ber: W073011AA Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzen
			101	94
	94	97		
5190667	94	97		
5190667 Blank	95	97	100	93
5190667 Blank LCS	95 95	97 96	100 100	93 94
5190667 Blank LCS MS MSD	95	97	100	93

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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



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

Page 20 of 20

## Quality Control Summary

Client Name: Chevron Reported: 12/18/07 at 08:00 AM Group Number: 1061924

Surrogate Quality Control

Analysis Name: EPA SW846/8260 (soil) Batch number: X072971AA Dibromofluoromethane 1,2-Dichloroethane-d4

Dation name	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5190668	101	88	86	83
Blank	97	87	88	83
LCS	96	88	90	90
LCSD	95	87	91	90
MS	98	88	90	91
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 unspiked result was more than four times the spike added.

<sup>\*\*-</sup>This limit was used in the evaluation of the final result for the blank

- From: Lunde, Ashley [alunde@ensr.aecom.com]
- Sent: Monday, October 22, 2007 8:30 PM
- To: Megan A. Moeller
- Cc: Lance, Donald

Subject: Chevron Site No. 1001152 Tekoa, WA

### Megan,

I put together the following list of which soil samples we would actually like analyzed and for what. I think that we should have all of the appropriate sample containers submitted for each of these sample with the three possible exceptions noted.

Sample ID	BETX (8021B), NWTPH-Gx, NW- TPH-Dx	VOCs (8260B), NWTPH-Gx, NWTPH-Dx, PAHs (8270 SIM), Pb (7420)	Possible Missing Sample Bottles
1001152-SB1-6-7-101507	Х		
1001152-SB2-7.5-8-101507		Х	
1001152-SB3-5.10-6.4-101607	X		
1001152-SB4-6-7-101507		Х	
1001152-SB5-6-6.5-101707	Х		
1001152-SB6-6-6.5-101607	Х		
1001152-SB7-6-6.5-101707		X	1 Sodium Bisulfate?
1001152-SB8-6-7-101607	X		
1001152-SB9-3-4-101707	Х		
1001152-SB9-6-6.5-101707		Х	1 Sodium Bisulfate?
1001152-SB10-6-6.5-101707	Х		
1001152-SB11-5.8-6.2-101607	Х		
1001152-SB12-6-6.4-101607	Х		
1001152-SB13-6-6.5-101607		X	1 Sodium Bisulfate?
1001151-SB14-6-6.5-101607	X		

Is is possible the run the analyses without that second sodium bisulfate bottle?

You mentioned that there were a couple of samples that had only sodium bisulfate VOAs submitted (no methanols). One of the field staff thought that they submitted two methanol preserved VOAs for each soil sample. Are you sure we are missing those? If so, we will have to rework the list above but if there is any way to get these out of the bottles you have that would be great.

What we would like for groundwater are the following analyses for each of the eight submitted samples:

- VOCs (8260B)
- NWTPH-Gx
- NWTPH-Dx
- PAHs (8270 SIM)
- Dissolved Lead (6020)
- EDB (8011)

I know that the correct sample bottles were not submitted for the 8011 analysis, is there any way to extract this from the HCL preserved VOAs? The 8260B reporting limit is greater than Washington cleanup levels so the

lowest reporting limit we could get would be great.

Please do not analyze any further submitted samples that are not listed above. Sorry about all of the confusion and thanks for all of your help and willingness to pause these samples. Please give me or Don Lance a call on the morning to confirm this and let me know any further questions you have. Thanks,

Ashley Lunde Staff Specialist II

### ENSR

9521 Willows Road NE Redmond, WA 98052-3422 Tel (425) 881-7700, ext. 158 Fax (425) 883-4473 Cell (425) 591-3318 <u>alunde@ensr.aecom.com</u>

Chev	vron Northw	rest Region	i Ana	lysis R€	squest/Cho	Chevron Northwest Region Analysis Request/Chain of Custody	
<b>AIN</b> Lancaster Laboratories		Acct. #: 7.	2094	For Lanca Sample #: 5/(	Acct. #: / 2004 Sample #: 5190033-85	y 220605	_
Where quality is a science.				Analyses	Analyses Requested	hebioo1 #2	1
Facility #: 1001) 52		Matrix		Preserva	Preservation Codes	Preservative Codes H = HCI T = Thiosulfate	
Site Address: T2 Ku A , WA			204	) ) )			
Chevron PM: MAVK My IS Lead Cons	Lead Consultant: FN SN		tingeN	C		Ξ	
consultant Office: 22 distring 12 M	•	1PDES Potable	X 097	lethod Cleanuc Rng		Must meet lowest detection limits     Describe for \$260 compared	mits
Consultant Prj. Mgr.: YVII (C ONE (M)   Consultant Dhone # 4つ C- 名方 ううかう Fax #-	( ) ax#:		21 🗋 82	Silica Gel	quenb 🗆	8021 MTBE Confirmation	
sampler: K. Nicht, J.S. / K. Kozłowski A	KA T		U		1 1 1 1	Confirm MTBE + Naphthalene	0
		hieoqi ar Air	eos IIn	нат Нат		Ē	
	e Time ted Collected	Grab Com Soil Vate Wate UOII □	ХЭТ8 7 0928	<u>beal</u>	ATWI P	CRUN OXY S ON INGUEST INT RUN OXY S ON All hits	_
- 3-4 - 101507	7 1557		3			Comments / Remarks	
- 6-7-1015 GF		X	2	e k		8260-MU	
Ŕ	1519	7 2	<u>a</u> -	21		I SAMPLES Malual	9
1001152 5B.2-6.7-101507	1436	X Z				- RTINO MALEN	
<b>8</b> -2-8	0195	X	<u>n</u>	25			
	0211	×``	1-E	7			
504-6-7-101507	5E1	×>	05			<u> </u>	
3-35 101504	094 ×		1				
SB.							
						1	
Turm <i>are</i> und Time Requested (TAT) (please circle)	Relinquished	hed by		Date Tim	Time Received by:	T Date T	Time
STD. TAY         72 hour         48 hour           24 hour         4 day         5 day	Relinquished by:	S			Received by:	₹	
Data Package Options (piease circle if required)	Relinquished by:	ed by:		Date Time	le Received by:	Date	Time
QC Summary Type I - Full Type VI (Raw Data) Disk / EDD	Relinquish	Relinquished by Commercial Carrier:			Received by	O DI Jone Patter	Time
WIP (RWQCB) Standard Format	Temperat	ceipt /	ပီ		Custody Seals Intact?		2
	Lancaster Lahnratories. Inc. 2425 New Holland Pike. PO Box 12425. Lancaster. PA 17605-2425	Holiand Pike, PO Box 1242	5. Lancaster	PA 17605-2425	 (717) 656-2300	3468 Rev. 8/6/01	101

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (711) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Chevron Ne	orthwe	st Reg	jion Ar	laiy	sis Re	nb	est/Ch	Chevron Northwest Region Analysis Request/Chain of Custody	
Lancaster Laboratories		Acci	:# 1309	i U sam	For Lancas	Por Lat	Acct. #: 1309 U Sample #:51900332-85	™ 220604 scr#	
Where quality is a science.					Analyses Requested	Reque	sted	he61901 2 L	
		Matrix			<b>Preservation Codes</b>	tion C	odes	Preservative Codes	
					२ <sub>२</sub> ४		Q	H = HCl T = Thiosulfate	
Characters: New Mark Land Consultant ENSR AFOOM	2   AFROM				709			= H <sub>2</sub> SO4	
1		S30 aldi						□ J value reporting needed	
		NPC NPC			jan Rhý Sel Cle Meth			Dessible for 8260 compounds	
			r of C Drsn □	S	LExterno   Silica   Szi D	enb🗆		8021 MTBE Confirmation	
Sampler: K. Nichrols / K. Koplowska		T əı	BE 8	enate				Confirm highest hit by 8260	
Ð			INN I	δÁXO	Hdl	Hd		Confirm all hits by 8260	
Date 1 Collected Co	Time Collected Grab	Com Soil eteW	хэта	<u>NM</u> 8560 t	_	arwn' arwn'	IIS		
70-E1-01 - 20-E101-2	10401	×			×			Comments / Remarks	
	505	×			×			411 Samples	
II tot	6430	×	3 X		×			A DO A VAN BULA	
-587-6-6.5-101709 II	0848	X	× N		×		×	IMAT NU OZOO	
1001152-589-6-6-5-10707 11 0	0829	×	_	-			×	- ARE MU	
11 tot101- 4-8-695-	0823	×			X				
- SBS-3-4-101707 11	0916	X			X:	_		(1/m)(	
- SB5- 6-6-5-1000 11	0921	×	× 10		×'				
Fo.91.01 tat 101-5.9.09-0185-	1553	×			<u>र</u>			· · · · · · · · · · · · · · · · · · ·	
1-5BG-3-4-101607 11	104	<				_	-		
100/12- Sp8-6-7-10/607 11 11 11 100/100	hça				×				
Tur <del>raroun</del> d Time Requested (TAT) (please circle)	Relinquished	PY:		Š	Date Time	$ \rightarrow$	Received by	1 Date Time	<i>VYQ</i>
STD. TAT 72 hour 48 hour	Relinquished b	- 1845 - A	4		Date Time	_	Received by:		
24 hour 4 day 5 day						+		┞┼	
Data Package Options (please circle if required)	Relinquished by:	уг.		۵ 	Date Time		Received by:	Date Time	
QC Summary Type I - Full	Refinquished t	Relinquished by Commercial Carrier:	Carrier:			œّ ا	Received by:	ON Pate 19 Time	
I type VI (Kaw Data) USK / EUU WID / PW/OCR) Standard Format		FedE	Other			<u>ل</u>	XIIIIIa	KINPON'01'0945	1
Disk Other.	Temperature Upon Receipt	Jpon Receipt	<u> </u>			σ —	Custody Seals Intact?	#2 Ver	
1 and the second s	2425 New Hote	PO Pive PO P	inv 12425 Lanc	actar PA	17605-2425	(212)	656-2300	3468 Rev. 8/6/01	

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

MA222:01 09/4 Time Time Time ☐ Must meet lowest detection limits Time 3468 Rev. 8/6/01 T = Thiosulfate Confirm MTBE + Naphthalene CRun \_\_\_\_ oxy s on highest hit possible for 8260 compounds marked 5260 arg. Chevron Northwest Region Analysis Request/Chain of Custody 220613 heb1901#D Confirm highest hit by 8260 full Scan **Preservative Codes** B = NaOH oxy s on all hits All Samples **O** = Other J value reporting needed Confirm all hits by 8260 Comments / Remarks 10/18 8021 MTBE Confirmation Date Date Date £ S = H<sub>2</sub>SO₄ N = HNO<sub>3</sub> SCR#: H = HCI Acct. #: [2094] For Lancaster Laboratories use only Acct. #: [2094] Sample #: 51906 30 - 95 Custody Seals Intact? Received by: Repetived by: Received the Received by MK m m **Analyses Requested** Ð Preservation Codes notication **MATPH H HCID** Hd3/Hd/ Time 0.18.07 1040 Time Time C Weipod (2020) 'ssig X bs9. Extended Rng. a H91 **M** 3 7 Date Date Date non + AN. D H9T setenegyxO usos liut 0928 Temperature Upon Receipt A3-5.3c° പ 8021 🗌 8260 🕅 🖉 8021 + XETX + MTBE Relinquished by Commercial Carrier: Other Cotal Number of Containers Air 🛛 Matrix D Potable NINK メ  $\succ$ Vater Fedry) lio2 Relinquished by: **Oomposite** Relinguished by: Relinquished by: Chevron PM: MAV K INALIS Lead Consultant: ENSR/ AECUM Grab NPS Collected 1205 Time. 1435 1355 むけつ Collected Date Consultant Phone #: 425 .881.7300 Fax #: Sampler: K. NICHUS /V. 1U21UUSK A DNon SAR: ئز Consultant Prj. Mgr.: Mi KE MI (HIME) AS Tyunerequested (TAT) (please circle) 48 hour 5 day Data Package Options (please circle if required) Other. Consultant/Office: Red mond , In JA My Lancaster Laboratories Standard Format 1001152 - 7mw 5 - 101 707 20 2191 - 9. mm - 2511001 1001152. tmw 4 - 101707 Type I - Full Disk / EDD 72 hour Site Address: TEVUA IWA 4 day Facility #: 1001152 Sample Identification Type VI (Raw Data) Service Order #: WIP (RWQCB) QC Summary AT-DIS 24 hour Dist

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Che	Chevron Northw	rest Regio	on And	ılysis Re	quest/Cha	west Region Analysis Request/Chain of Custody	
A Lancaster Laboratories		Acct. #:	h60ct # 400	For Lancas Sample #: <u>519</u>	For Lancaster Laboratories use only Sample #: <u>519</u> 0033 - 85		t
re quality is a science.				Analyses	Analyses Requested	1 C# 1061934	
1001152		Matrix		Preservat	Preservation Codes	Preservative Codes	
Site Address: TCLOA, WA			<b>□</b> 4	2 - 3	)	$N = HNO_3$ $B = NaOH$ $S = H_SO_4$ $O = Other$	
Chevron PM: MAVK INCHIS Lead Consultant: ENSK	Consultant: ENSR			<u>709</u>		- E	
Consultant/Office: U. Chmbrid, WM		APDES Potable	enietn X 082	Metroq 1 Cleann	tification	☐ Must meet lowest detection limits possible for 8260 compounds	
Consultant Prj. Mgr.: YN/ (2 / V/) (NAU VI)	ALUZ				uenb	8021 MTBE Confirmation	
Consultant Phone #: 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			:08 3			Confirm MTBE + Naphthalene	
Service Order #:		tieoqit	8TM +	) H9T	H <u>H</u> Ho	Confirm all hits by 8260	
	e Time	Grab Com Soil Soil			athav IC		<u> </u>
**************************************	llem 1			321	2	Comments / Remarks	
		*	X3	311		A BI Samors	
101.120		×		ξ		4 was draid 87 60	
401101-3-4-10100+	ې لې	×	+				
1001152.58.3.510-64-1016 BF	1 JS18	X				AND THIN SCONI	
SBIT	-	×					
001152 · 58.14. 3-3.5.100	" 1215	×					
Turnaround Time Requested (TAT) (please circle)	Reymo	uished by:		Date Time	Time Received by:		$\frac{1}{2}$
72 hour 48 hour 4 day 5 day		and by:		17	$\sim$		
Data Package Options (please circle if required)	Relinquished by:	hed by:		Date Time	e Received by:	Date Time	<u> </u>
Jata)	Relinquist UPS	Relinquished by Commercial Carrier: UPS CERTER Other	arrier: Other		Received by	MOUL 10-16 Time	$\nabla$
WiP (RWQCB) Standard Format Disk	Temperat	oeipt	13-5.3°		Custody Seals Intact?	No No	
						3468 Rev. 8/6/01	<b> </b>

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

1.204 296 Time Time Time Lime ARE to be run for the form 3468 Rev. 8/6/01 Must meet lowest detection limits MMRKED8260 T = Thiosulfate Confirm MTBE + Naphthaiene possible for 8260 compounds Run oxy s on highest hit 220614 Chevron Northwest Region Analysis Request/Chain of Custody Confirm highest hit by 8260 Date 10/15/67 All symples /o./9 B = NaOH O = Other **Preservative Codes** CRun \_\_\_\_ oxy s on all hits □ J value reporting needed 100001 Confirm all hits by 8260 Date Comments / Remarks 8021 MTBE Confirmation SLANI **N** = HNO<sub>3</sub> **S** = H<sub>2</sub>SO<sub>4</sub> SCR# H = HO Custody Seals Intact? Acct. #: 13094 Sample #: 5190633 - 85 Recklywyd by: J Received by: teceived by:  $\alpha \alpha$ MR **Analyses Requested** Preservation Codes 2 🖸 dnsntification **INTER H HCID** Hg3/Hg/ Time <u>Lime</u> ssia 🖾 C Wethod OCZ listo T bse. Date J. U. J. Silica Gel Cleanup 3 a hat MÓ 3 Date Date AD HOT DUG &  $\Omega_{2}$ 20xygenates Temperature Upon Receipt 1. 3 - 5.3 neos liut 0828 ?? 8051 🗋 8560 🛣 Napha 🗌 38TM + X3T8 Relinquished by Commercial Carrier: UPS FedEx Other T Total Number of Containers Oil 🛛 Air 🗍 Matrix вадчи 🗖  $^{\star \times}$ nəteW D Potable lioS Relinquished by: Relinquished by. efisoqmoO **Relinquished by** Lead Consultant: ENSIL MELUM Gene Collected 1325 Time Po. [] . O Collected Date Fax #: ONON SAR: Consultant Prj. Mgr.: Mj.X. Mj.Lh.A.E.U.S Turneround Time Requested (TAT) (please circle) 12. Kuziwista 48 hour 5 day Data Package Options (please circle if required) Consultant Phone # 425. \$1-7700 100 1152 - traver - 101 100 1 101 1152 - traver - 101 701 Other. consultant Office: Rtd m whd, WY Where quality is a science. Standard Format CHEVRON PM: MAYL INALIS Type 1 - Full Disk / EDD 72 hour 4 day Site Address: 74/ku A1 W A Sampler: K. MICHINI Facility #: 100152 Sample Identification Type VI (Raw Data) Service Order #: WIP (RWQCB) QC Summary STD. TAJ 24 hou Dist

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Chevron Northwe	st Regior	n Analysis Req	ruest/Chc	rest Region Analysis Request/Chain of Custody
Lancaster Laboratories	Acct. #:	Acct. #: 1209U Sample #: 5190630 - 55	Laboratories use only X633 - 55	220602 sora: 79952
. Where quality is a science.		Analyses Requested	quested	1 C# 100194
Facility #:   OO (I 5'2	Matrix	Preservation Codes	Codes	Preservative Codes
Site Address: TEKUA, WA			>	ő
Chevron PM: Mark Mark Lead Consultant: EWSR AECOM	S ə	d	 	S = H2SU4 <b>U</b> = Utner
Consultant/Office: Red/mond (WK	Potable NPDE: STRPIC	Method ad Rng. 8260 X	ntification	Must meet lowest detection limits     possible for 8260 compounds
consultant Prj. mgr. ドリトレード・ビリカCA S Consultant Phone #: 425・881・子子ざひ Fax #:		Silica G	renb 🗆	8021 MTBE Confirmation
her 8	.0	D D G X leuste:	HCID	Confirm MIBE + Naphtnalene
	⊐ ¥i	in) ac	M	Confirm all hits by 8260
Sample Identification Collected 0 0	Soil teW JIIO	Гөэд ЛЛ ЛЛ 8560		
0471 40 41 01 40 4101- 2 0	$7 \times 7$		×	Comments / Remarks
	X 2	X		2 1 Campor
	X		8	Comme III
FU. FI al	×	~		Purk Kod 200
	X	3		
				(IRU trul Scan)
				^
Tymanound Time Requested (TAT) (please circle)	4: Con Con	10 Date Time	Received by:	Date Time
STD. TAT         72 hour         48 hour         Relinquished by           24 hour         4 day         5 day         7 · Y · Y · Y · Y · Y · Y · Y · Y · Y ·	Reter	Date Time	Revenue A	Date Time
Data Package Options (please circle if required) Relinquished by:	y:	Time	Received by:	Date Time
Relinquist	hed by Geomercial Carrier:		Received by:	Allhadi , 10-13 Joint
erat	eceipt <u>/</u>	5.3°	Custody Seals Intact?	March 0 1 am

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3468 Rev. 8/6/01



TOLLARS TITANT IN TITANT IN TITAN			e-Lab Project Manager.	Manager:			e-Lab Work Order #:	Corder #:	
Customer Information		Project Information	rmation			Param	eter/Methoc	Parameter/Method Request for Analysis	lysis
	Project Nante	Tekon WH	HV.		A DIEX	HEXT MTBE	E 8260	0	
	Project Number	1001152	•		ی کچ	mf o	ace full can		
ENCN PARIN	Bill To Company				o NV	A HAL	k Extern	NW TPH DX Extended Eng	
Side Multin Multing	un ei on				1 1 0	lead Diss	s Total	l method	6020
C 100 1011 11 8 11 11 1 2		12	1521 Million Rd	æ	A	MIS !			
Materia de la companya de la compa		Pectime	Pedmond IWA						
ChryState Zo	Constant2p				0				
		-4.25 ×	00+F 188						
	Z			( <u></u>					
MMECHAELISPENSCORDENAMER	core wai Address	(Newsensols)							
	Date: 1	Time N	Nation Press	# Bottles	A B	•	9 8	9	Pou
5-106.04	1 10912	1121 Soil	バノ	ف	X X	X	×		
	laistat 1	11 9441	7			-	×		
\$ 1001-5-9-4-95- C211001	0.15.07 1	1713 11	>	3		×	×		
* 10011 52- 58-13- 3-4- 10607	10.601	1106 11	>	3	×	Х			
	0 1091.01		= 7	ત	×	×			
· 1001152 -58-6-28-34-10/04	10.16.07 C	0833	= 7	Ś	X	×		-	
7 100/152 - SP.6- 6-65-10607	10.16.07 ¢		>	ŝ	×	X			
1001152-5812-3-3.6-101607	10.16.0t	0933	= 7	5	×	×			
1001152 -511-3-3.8-10601	10.16.07	1023	)	n	×	X			
10 100 11 57 - 5131 - 52-62-101607 10.16.07			)	3	×	×			
Samble(s) Planse Print & Sign	, Shipment Method Fed EX M R	A R		ed Turnsround Time: (Check Box)	<b>The</b> ck Box)				
	Time: 2 > Rec	Received by:			Notes:				
Relinquished by:	V	and the second second		(	e-lab Cooler D	r Cooler Temp.		OC Package: (Check One Box Below)	Below
Logged by (Laboratory): Date Tates Time				Ś					
Preservetive Key: 1-HCI 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O5	2	6-NaHSO, 7-Other	al. 1	8-4°C 9-5035					

2. Unless otherwise agreed in a formal contract, services provided by e-Lab Analytical, Inc. are expressly limited to the terms and conditions stated on the reverse. Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to e-Lab Analytical, Inc.

Copyright 2004 by e-Lab Analytical, Inc.



			e-Lab Project Manager:	nager:			e-Leb Work Order #:		
Customer Information		Project Information	nation			Paramete	Parameter/Method Request for Analysis	for Analysis	
Purchase Order	Project Name	Tekoa, WA	WH		A BE	BTEX+ MTBE	E X360		
Work Crubit	Project Number	1001152	(		B X260	o puer	Scour		
CONTRANT NAME ENSIL/AF.CO.M	Bill To Company				CMN 0	NWTPH-IX		Extended fur	
Sond Report to My Ke Mechaelis	Invice Allin				0 lead	l Diss	Total Method	ethod 96020	
		9521 N	9521 Willows Rd ME		e Sim		-		
	Address	featme	fedmona, M-						
CRAYSHAMEZOD	ChyStateZp				G				
		425 82	007F 188						
ž									
e-Mail Address	e-Mail Address								
No. Sample Description	Date	Tme   Meux	Pres.	# Bottles	8	0 0	3 4 11		Hold
TOLOT	10.15.07 17	ita soil	>	2		×			
\$ 100/152-58-01-6-7-101601	10,16.07 16	10-34 11	>	ъ	У				
* (0011-2710- 6-6-5-10100) *	10.15.07 15	1553 11		M	X X				
* 100 1152 - Shin-6-6.5-101607	10.16.0t 12	1/220 11	>	ત	X				
5 100152 - 589 - 3-4 - 101607		1022	7		X				
· 100/122 - 56/4-3-3.5-10607	10.16.01	1215 11	>	ц	×				
1 100/152 - SB3-5.10-6.4-10.160	10.1607 1	1518 N	>	જ	×				
· 1 a0/152-50/0-3-4-10/607	10,16,09	1545 N	>	๙	X			· · · · · · · · · · · · · · · · · · ·	
Symptocies Prease Print & Sign L. N. (. N. P.	Shipment Method FCd CX M K		Required Turnerou Staf	ound Time: (Cleck Box)	Neck Box)				
Reliaquistrad by Time, 12 Date 16 07 Time, 13 O			Y Z		Notes:				
	Time: Received	2000	DWOR	R	e-lab Cooler ID	Cooler Temp	OC Package: (Check One Box Below)	Che Box Back	
	9	Ked by (Laboratory):	δ						
Preservative Key: 1-HCI 2-HNO3 3-H2SO, 4-NaOH 5-Na2S203		6-NaHSO, 7-(	7-Other 8-4°C	9-5035					

2. Unless otherwise agreed in a formal contract, services provided by e-Lab Analytical, Inc. are expressly limited to the terms and conditions stated on the reverse. Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to e-Lab Analytical, Inc.

Copyright 2004 by e-Lab Analytical, Inc.

### Lancaster Laboratories Explanation of Symbols and Abbreviations

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

N.D. TNTC IU umhos/cm C Cal meq g ug	none detected Too Numerous To Count International Units micromhos/cm degrees Celsius (diet) calories milliequivalents gram(s) microgram(s) milliter(c)	BMQL MPN CP Units NTU F Ib. kg mg I	Below Minimum Quantitation Level Most Probable Number cobalt-chloroplatinate units nephelometric turbidity units degrees Fahrenheit pound(s) kilogram(s) milligram(s) liter(s)
ml m3	milliliter(s) cubic meter(s)	ul fib >5 um/ml	microliter(s) 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 quatitated 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.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.