

**FINAL - INTERIM REMEDIAL ACTION REPORT
FORMER TEXACO SERVICE STATION NO. 21-1556
101 Mulford Road
Toledo, Washington**

April 14, 2011

**Prepared for:
Washington State Department of Ecology
P.O. Box 47775
Olympia, Washington 98504-7775**

**Prepared by:
SAIC Energy, Environment & Infrastructure, LLC
18912 North Creek Parkway, Suite 101
Bothell, Washington 98011**

**On Behalf of:
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, California 94583**


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FINAL - INTERIM REMEDIAL ACTION REPORT FORMER TEXACO SERVICE STATION NO. 21-1556

1. INTRODUCTION

SAIC Energy, Environment & Infrastructure, LLC (SAIC), on behalf of Chevron Environmental Management Company (CEMC), prepared this report documenting the results of an interim remedial action that was performed at the former Texaco Oil Company (Texaco) Service Station No. 21-1556 (the site) near Toledo, Washington. The site is also known as Cowlitz BP, Cowlitz Food and Fuel, or Washington State Department of Ecology (Ecology) Facility No. 1166.

The interim remedial action was performed in accordance with the Final Interim Remedial Action Work Plan (the Benham Companies, LLC, an SAIC Company [SAIC-Benham], 2010), which was approved by Ecology in a letter dated August 17, 2010. The work was also performed in accordance with Agreed Order No. DE 5236, between Ecology and Texaco Downstream Properties, Inc. (TDPI), and the Model Toxics Control Act (MTCA) Cleanup Regulation, Chapter 173-340 WAC.

2. PROJECT BACKGROUND

2.1 SITE DESCRIPTION

The site is located east of Interstate 5, off the Vader-Ryderwood exit, near the intersection of Cowlitz Ridge Road and Mulford Road, in Lewis County, Washington (Figure 1).

The site is comprised of three land parcels owned by Mr. Charles Vineyard. An active or operating Shell-branded gasoline service station, mini-mart, and restaurant are located on the two parcels north of Mulford Road (Assessor's Parcel Number [APN] 012429003001 and APN 012429004000). A vacant lot, formerly a Texaco gasoline service station, is located on the parcel south of Mulford Road (APN 012429002001). Both service station locations have confirmed subsurface petroleum-hydrocarbon impacts. They were combined into the Cowlitz BP Site by Ecology in part due to their common property ownership.

2.2 SITE HISTORY

The site was originally part of a single tax lot that was purchased in 1947 by Mr. Frank Vineyard (former property owner, now deceased) and used for farming. In 1955, the lot was subdivided and leased.

The two parcels north of Mulford Road were leased to Texaco in 1955. Texaco constructed a service station building and installed four underground storage tanks (USTs) and associated piping. In 1980, Texaco passed lease and ownership interests to Olson Brothers Garage, Inc.; lease and ownership interests were passed to West Coast Oil Company in 1985. In 1986, Robert and Sherry Smith purchased the service station from West Coast Oil Company. The Smiths operated the service station until 2004, when it was purchased by Tri-Tex Oil Company. Tri-Tex currently operates the Cowlitz Shell gasoline service station north of Mulford Road.

The parcel south of Mulford Road was originally leased to General Petroleum Corporation. In 1978, a new lease was assigned to Olson Brothers Garage, Inc., who operated a Mobil service station and a small restaurant on the property until 1984. In 1992, two 6,000-gallon and one 300-gallon USTs were removed. Sometime around 1994, the parcel south of Mulford Road was utilized as a sales lot for pre-fabricated homes. The property is currently vacant.

2.3 SITE ASSESSMENT AND REMEDIATION HISTORY

Numerous environmental investigations have been conducted on each of the properties since 1991. A groundwater monitoring program has been ongoing since 1991. These investigations have identified two separate petroleum-impacted areas on the property north of Mulford Road. A single petroleum-impacted area has been identified on the property south of Mulford Road. A summary of these environmental investigations and findings are provided in the Final Interim Remedial Action Work Plan (SAIC-Benham, 2010).

3. INTERIM REMEDIAL ACTION

The objective of this interim remedial action was to remove petroleum-hydrocarbon impacted soil from the site. The action focused primarily on the excavation and disposal of impacted soils associated with a former diesel UST located north of Mulford Road (Excavation 1), and the excavation and disposal of impacted soils associated with a former gasoline UST located south of Mulford Road (Excavation 2). These features are shown on Figure 2.

In conjunction with the interim remedial action field work, six groundwater monitoring wells were decommissioned and five others were repaired. This additional work is documented in this report.

3.1 SCOPE OF WORK

In summary, the interim remedial action proposed by CEMC and approved by Ecology included:

- Decommissioning monitoring wells MW-101 and MW-104 through MW-108.
- Repairing the well monuments on monitoring wells MW-111 and B-1 through B-4.
- Excavating and disposing all petroleum-impacted soil, with constituent concentrations exceeding their respective MTCA cleanup levels (CULs), associated with the former diesel UST located north of Mulford Road (Excavation 1) and the former gasoline UST located south of Mulford Road (Excavation 2).
- Collecting confirmation soil samples from the sidewalls and bottom of each excavation.
- Segregating unimpacted overburden soil from petroleum-impacted soil in separate stockpiles prior to disposal.
- Applying an oxygen-releasing compound (ORC) onto the bottom of each excavation.
- Backfilling each excavation with imported fill material and compacting it to specification.

A detailed discussion of the interim remedial action activities, findings, and results is provided in sections 3.2 through 3.12.

3.2 SUBSURFACE UTILITY LOCATION

Prior to beginning work, SAIC contacted the Utilities Underground Location Center (“One Call”) to arrange for locating and marking all known conductible and non-conductible underground utilities on the site and nearby public rights of way. In addition, SAIC contracted Underground Locating Services Corporation (ULS) to locate and mark underground utilities. ULS marked subsurface utilities on October 1, 2010.

Representatives from Qwest and 360 Network were present during Excavation 2 activities (south of Mulford Road) to ensure that the excavation did not impact an underground fiber optics line that runs between the east side of Cowlitz Ridge Road and the west side of Excavation 2.

Underground utilities were not encountered during the interim remedial action.

3.3 MONITORING WELL DECOMMISSIONING

Six groundwater monitoring wells were decommissioned during this field effort. The furthest down-gradient monitoring wells (MW-104 through MW-108) were decommissioned, with Ecology approval, because petroleum-hydrocarbon constituents were not detected in groundwater at concentrations exceeding MTCA Method A CULs for at least four consecutive quarterly sampling events. Monitoring well MW-101 was decommissioned because it was located within the proposed areal limits of Excavation 2.

SAIC contracted Cascade Drilling, Inc., of Woodinville, Washington to decommission the monitoring wells. The well monuments were removed and subsurface well materials were over-drilled with a hollow-stem auger to their total depth. Each boring was backfilled with bentonite chips to 2 feet below ground surface (bgs), and filled with sand to the ground surface. Well decommissioning occurred from October 5 through October 7, 2010.

3.4 MONITORING WELL REPAIR

Cascade Drilling replaced the well monuments on five monitoring wells, including B-1 through B-4 and MW-111. The original well monuments had either subsided below grade, had broken cover-bolt flanges, or had other damage that prevented them from being adequately locked or secured. Well repairs occurred on October 6 and 7, 2010.

3.5 EXCAVATION SOIL CLEANUP LEVELS

The Interim Remedial Action Work Plan established the following soil CULs. The CULs incorporated a simplified Terrestrial Ecological Evaluation (TEE) for soils less than 6 feet bgs, and MTCA Method A for soils greater than 6 feet bgs.

Depth (ft bgs)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)
0 to 6 (TEE)	30	460	2,000	0.03	7	6	9
6 to 15	30	2,000	2,000	0.03	7	6	9

Abbreviations:

mg/kg = Milligrams per kilogram

TPH-G = Total petroleum hydrocarbons as gasoline-range organics

TPH-D = Total petroleum hydrocarbons as diesel-range organics

TPH-O = Total petroleum hydrocarbons as heavy oil-range organics

3.6 LABORATORY ANALYSIS

SAIC contracted Environmental Services Network of Olympia, Washington to provide an on-site mobile laboratory to analyze excavation and stockpile soil samples during the interim remedial action. All soil samples were analyzed for the following:

- TPH-G by Ecology Method NWTPH-Gx;
- TPH-D by Ecology Method NWTPH-Dx with silica-gel cleanup;
- TPH-O by Ecology Method NWTPH-Dx with silica-gel cleanup; and
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency (EPA) Method 8021.

Select soil samples from the excavation sidewalls and bottom were analyzed for:

- Carcinogenic polycyclic aromatic hydrocarbons (cPAHs) by EPA Method 8270C SIM;
- Total lead by EPA Method 6020;
- Extractable petroleum hydrocarbons (EPH) and volatile petroleum hydrocarbons (VPH) by EPA Method NW-EPH and NW-VPH, respectively; and
- Total volatile organic compounds, ethylene dibromide, and ethylene dichloride by EPA Method 8260.

3.7 EXCAVATION AND CONFIRMATION SOIL SAMPLING METHODS

SAIC contracted Clear Creek Contractors of Everett, Washington to perform the remedial excavations. Two track-mounted excavators were used. Excavation 1 began on October 4, 2010, and backfilling was completed on October 19, 2010. Excavation 2 began on October 13, 2010, and backfilling was completed on October 25, 2010.

The methods used on both excavations were generally similar. Excavation began near the center of each impacted area, and extended downward and outward at an approximately 1:1 slope until groundwater was encountered and petroleum-impacted soil was no longer encountered in the excavation sidewalls. Soil samples were field screened for the presence of petroleum hydrocarbons using a photo-ionization detector (PID) and a sheen pan. Soil samples were analyzed by the mobile laboratory to differentiate between unimpacted overburden soil and petroleum-hydrocarbon impacted soil. Soil sample locations for Excavation 1 and Excavation 2 are shown on Figures 3 and 4, respectively. Sample identifications designate the excavation number (EX1), the sample number from that excavation (60), and the corresponding depth (10), e.g., EX1-60-10.

Unimpacted overburden soil was segregated from petroleum-hydrocarbon impacted soil. Both were placed on, and covered with, plastic sheeting in separate stockpiles pending analytical results and eventual transportation and disposal off site.

Excavation 1 initially extended to just above the groundwater table at approximately 9.5 to 10 feet bgs. Excavation 2 similarly extended to approximately 8 feet bgs. Petroleum-hydrocarbon impacted soil was observed at the water table and within the capillary fringe in both excavations.

In an effort to lower the water table and excavate as much impacted soil as possible, a sump was excavated in the bottom of each excavation, and a diaphragm pump was installed to remove

groundwater. Accumulating groundwater was pumped into and stored on site in temporary polyethylene tanks while awaiting analytical testing results and off site transportation and disposal. This dewatering lowered the water table in each excavation by approximately 2 feet and enabled the excavation of additional petroleum-hydrocarbon impacted soil.

The final dimensions of Excavation 1 measured approximately 45 feet by 50 feet by 12 feet deep. The final dimensions of Excavation 2 measured approximately 55 feet by 80 feet by 10.5 feet deep.

3.8 EXCAVATION SOIL SAMPLING RESULTS

Soil sample locations used to distinguish between unimpacted overburden soil and petroleum-impacted soil, as well as characterize the excavation sidewalls and bottoms, are shown on Figures 3 and 4. Soil analytical results for Excavation 1 (including TPH-G, -D, -O, and BTEX) are provided in Table 1. Soil analytical results for Excavation 2 (including TPH-G, -D, -O, and BTEX) are provided in Table 2. Additional soil analytical results for Excavations 1 and 2 (including cPAHs and total lead) are provided in Table 3. Analytical laboratory reports are provided as Appendix A.

These data demonstrate the concentration of petroleum-hydrocarbon constituents in the sidewalls of each excavation are below the soil CULs established in section 3.5. However, these data indicate residual petroleum-hydrocarbon impacted soil still exists in the bottom of each excavation.

In the bottom of Excavation 1, TPH-G were detected at concentrations ranging from 47 to 6,600 mg/kg, and TPH-D were detected at concentrations ranging from 2,800 to 4,500 mg/kg. TPH-G were detected at concentrations ranging from 980 to 1,800 mg/kg in the bottom of Excavation 2. No other constituents were detected above applicable soil CULs.

3.9 OXYGEN RELEASING COMPOUND

Confirmation soil samples collected from both excavations indicate petroleum-hydrocarbon impacted soil is still present at or below the groundwater table. ORC that contained calcium oxy-hydroxide was applied throughout the bottom of both excavations to enhance future biodegradation. Approximately 700 pounds of ORC were applied to the bottom of Excavation 1, and approximately 1,300 pounds of ORC were applied to the bottom of Excavation 2.

3.10 UNIMPACTED SOIL STOCKPILE SAMPLING RESULTS

Excavation activities generated five unimpacted overburden soil stockpiles (SP-1 through SP-5). These stockpiles were sampled and analyzed for TPH-G, -D, -O, and BTEX for disposal purposes. Analytical results are provided in Table 4.

TPH-G were detected in one of three samples (SP-1-1) collected from stockpile SP-1 at a concentration exceeding the soil CULs established in section 3.5. As a result, this stockpile was considered petroleum-hydrocarbon impacted soil. In addition, TPH-O were detected at concentrations above the laboratory method detection limit in two of 10 samples (SP-4-9 and SP-4-10) collected from stockpile SP-4. Although these detections were below the soil CULs, SAIC decided the portion of the unimpacted overburden stockpile where these samples were collected should be removed and added to an impacted soil stockpile. After removing this portion of SP-4, two additional stockpile samples were collected (SP-4-11 and SP-4-12) to confirm that the impacted soil had been removed.

All remaining unimpacted soil stockpiles contained no detectable petroleum-hydrocarbon constituents.

3.11 SOIL AND GROUNDWATER DISPOSAL

Approximately 860 tons (550 cubic yards) of petroleum-hydrocarbon impacted soil were removed from Excavation 1, and approximately 435 tons (260 cubic yards) of petroleum-hydrocarbon impacted soil were removed from Excavation 2. A total of approximately 1,295 tons (810 cubic yards) of petroleum-hydrocarbon impacted soil were transported to the Waste Management, Inc., landfill in Hillsboro, Oregon. Waste Management trucking tickets are provided as Appendix B.

Approximately 320 cubic yards of unimpacted overburden soil were removed from Excavation 1, and approximately 1,000 cubic yards of unimpacted overburden soil were removed from Excavation 2. Unimpacted overburden soil was not used to backfill the excavations because the high percentage of rounded river cobbles contained in these soils would prevent adequate compaction. Therefore, all unimpacted overburden soil (approximately 1,320 cubic yards) was transported to and disposed of as Class 1 soil at Wallace Sand and Gravel, located in Toledo, Washington.

Approximately 5,500 gallons of petroleum-impacted groundwater were generated during excavation activities. A groundwater sample was collected from Excavation 2 and analyzed for TPH-G, -D, -O, and BTEX. Groundwater analytical results are provided in Table 5. Groundwater was transported by to the Waste Management, Inc., hazardous waste facility in Arlington, Oregon.

3.12 EXCAVATION BACKFILLING AND COMPACTION TESTING

All unimpacted overburden soils were not suitable for compaction; therefore, approximately 4,200 tons of quarry spalls, gravel borrow, and 1 ¼-inch minus gravel road base were imported from Wallace Sand and Gravel to return both excavations to the original ground surface.

Excavation backfilling and compaction testing activities were generally performed per the Ecology approved Grading Plan for this project, with the following exceptions:

- Excavation 1: An approximately 4-inch-thick lift of 1 ¼-inch minus gravel road base was used as the final course of backfill material to better prepare this area for vehicular traffic. No compaction testing was performed on this final lift of backfill material.
- Excavation 2: Due to heavy rains that occurred for several days prior to October 25, 2010, and which resulted in excessive moisture content in the backfill materials such that the compaction specifications could not be met, geotextile fabric was placed on top of the uppermost lift of imported gravel borrow backfill, at approximately 12 inches bgs, and the upper 12 inches of this excavation were backfilled with 1 ¼-inch minus gravel road base. No compaction testing was performed on the upper 16 inches of backfill material in this excavation; however, the excavation contractor performed qualitative stability tests of the backfill materials, via heavy equipment and vehicular traffic, such that SAIC believes this area will not be subject to excessive settlement or otherwise result in a hazard to the public. This modification to the approved Grading Plan specifications was verbally approved by Ecology on October 25, 2010.

Compaction testing reports are included as Appendix C.

4. CONCLUSIONS

This interim remedial action successfully removed and disposed of approximately 1,295 tons (810 cubic yards) of petroleum-hydrocarbon impacted soil (as defined in section 3.5) from the former diesel UST located north of Mulford Road (Excavation 1), and the former gasoline UST located south of Mulford Road (Excavation 2). However, although the excavations were successful in removing a significant portion of the petroleum-hydrocarbon source mass in each of the excavation areas, some petroleum-hydrocarbon impacted soil remains at and below the groundwater table in these areas. Approximately 2,000 pounds of ORC were applied to the bottom of the excavations, which should be effective in promoting further reductions in petroleum-hydrocarbon source mass through enhanced biodegradation.

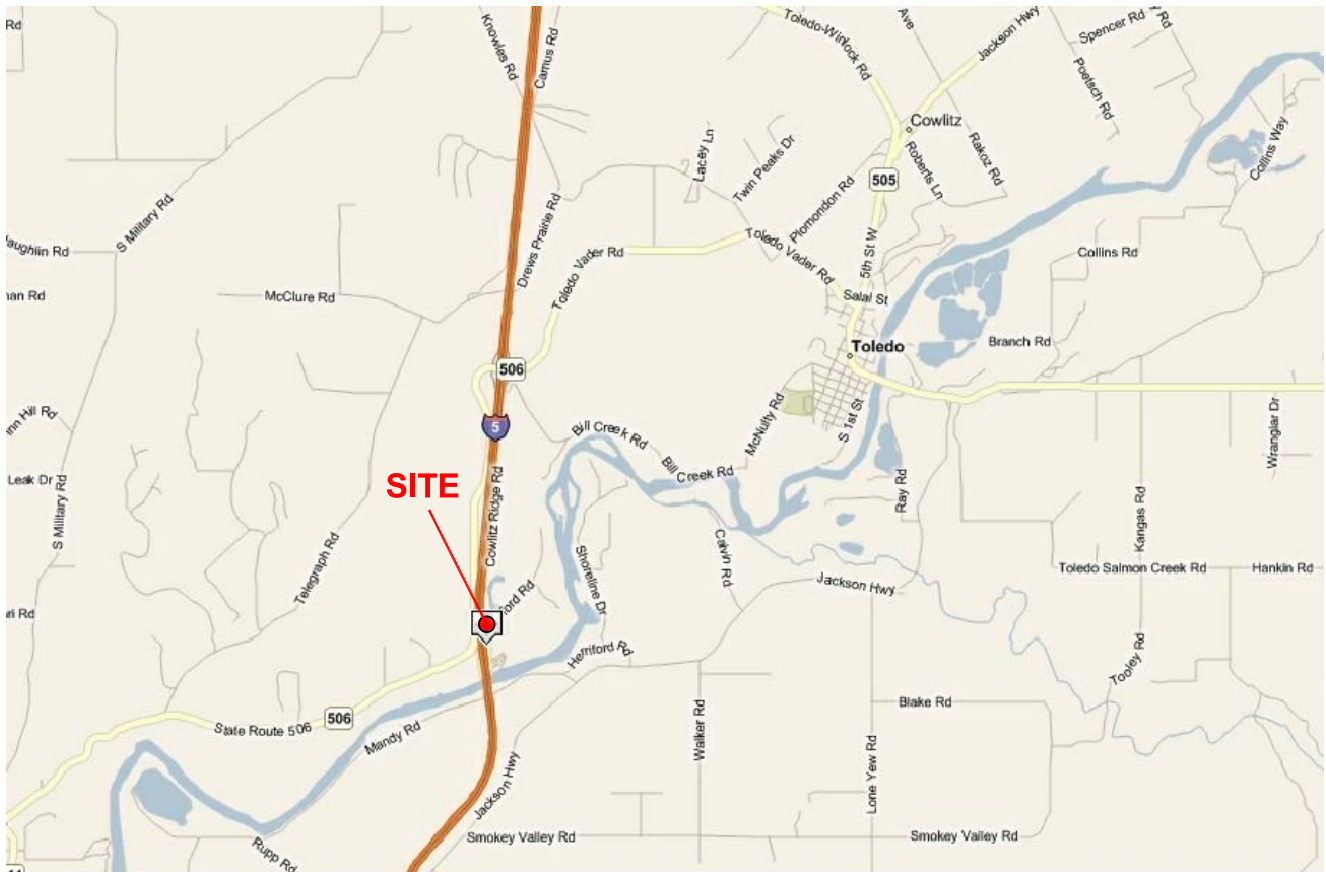
The effectiveness of the interim remedial action excavations and ORC application to reduce concentrations of dissolved-phase petroleum hydrocarbons in groundwater will be evaluated by comparing past and future groundwater sampling results for monitoring wells located down gradient of the excavation areas. Due to the decommissioning of monitoring well MW-101, CEMC is planning to install one new monitoring well (MW-120) on the property south of Mulford Road, down gradient of Excavation 2 (Figure 2). This monitoring well will be located approximately 10 to 15 feet from the down-gradient boundary of Excavation 2, and will be the primary sampling location for evaluating the effectiveness of the interim remedial action activities on this portion of the site.

Groundwater monitoring and sampling will continue to be performed at this site on a quarterly basis.

5. REFERENCES

SAIC-Benham, 2010. *Final Interim Remedial Action Work Plan, Former Cowlitz BP/Texaco Station #211556 in Toledo, Washington*. Prepared for Washington State Department of Ecology. August 18, 2010.

Figures



Maps Provided by Seattle.gov

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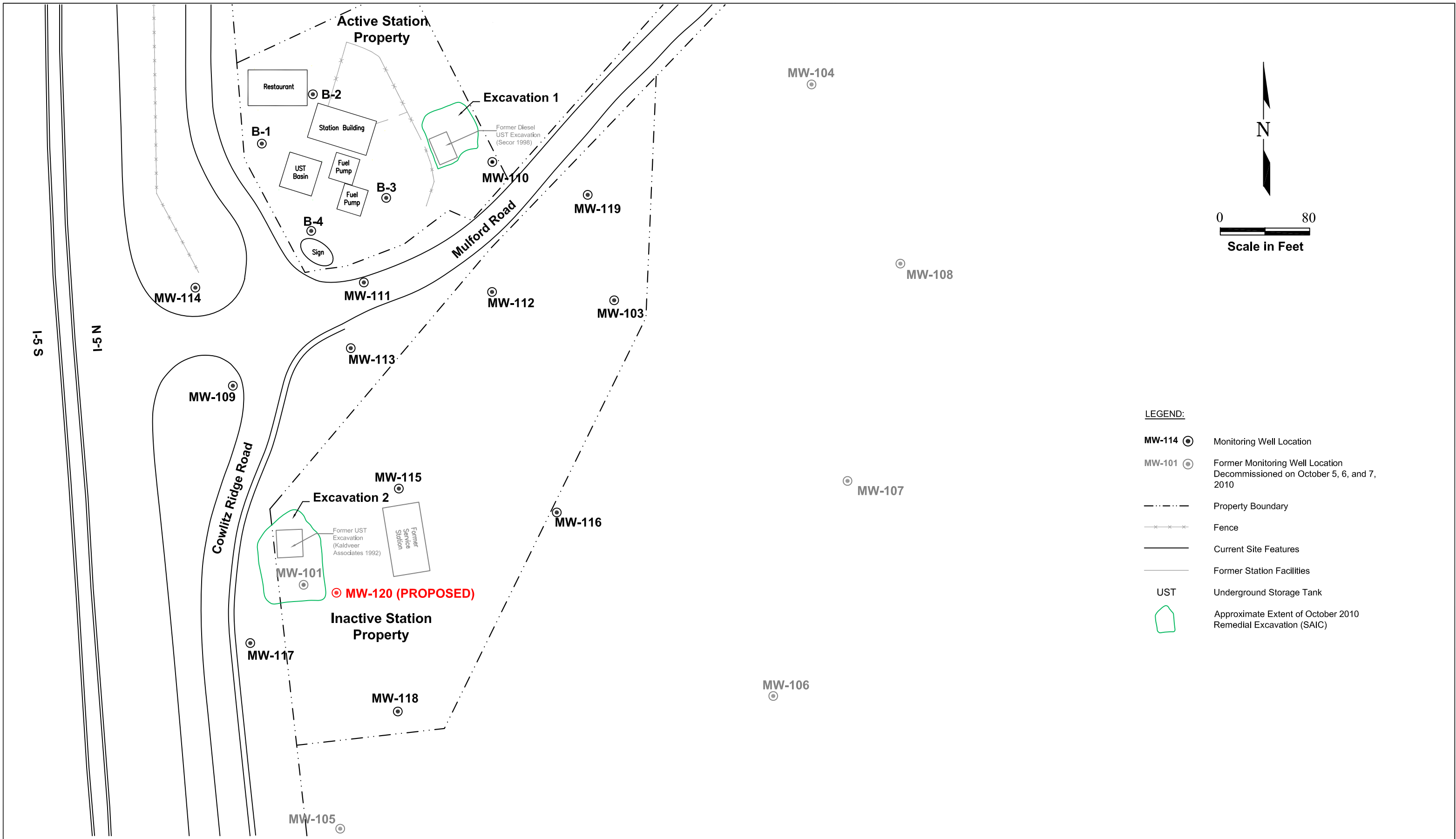


Former Texaco Service Station No. 21-1556
101 Mulford Road
Toledo, Washington

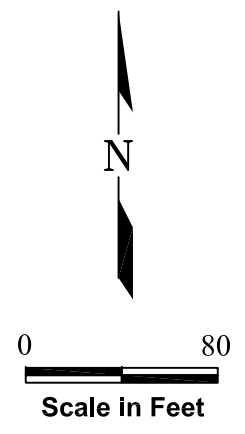
FIGURE 1
Vicinity Map

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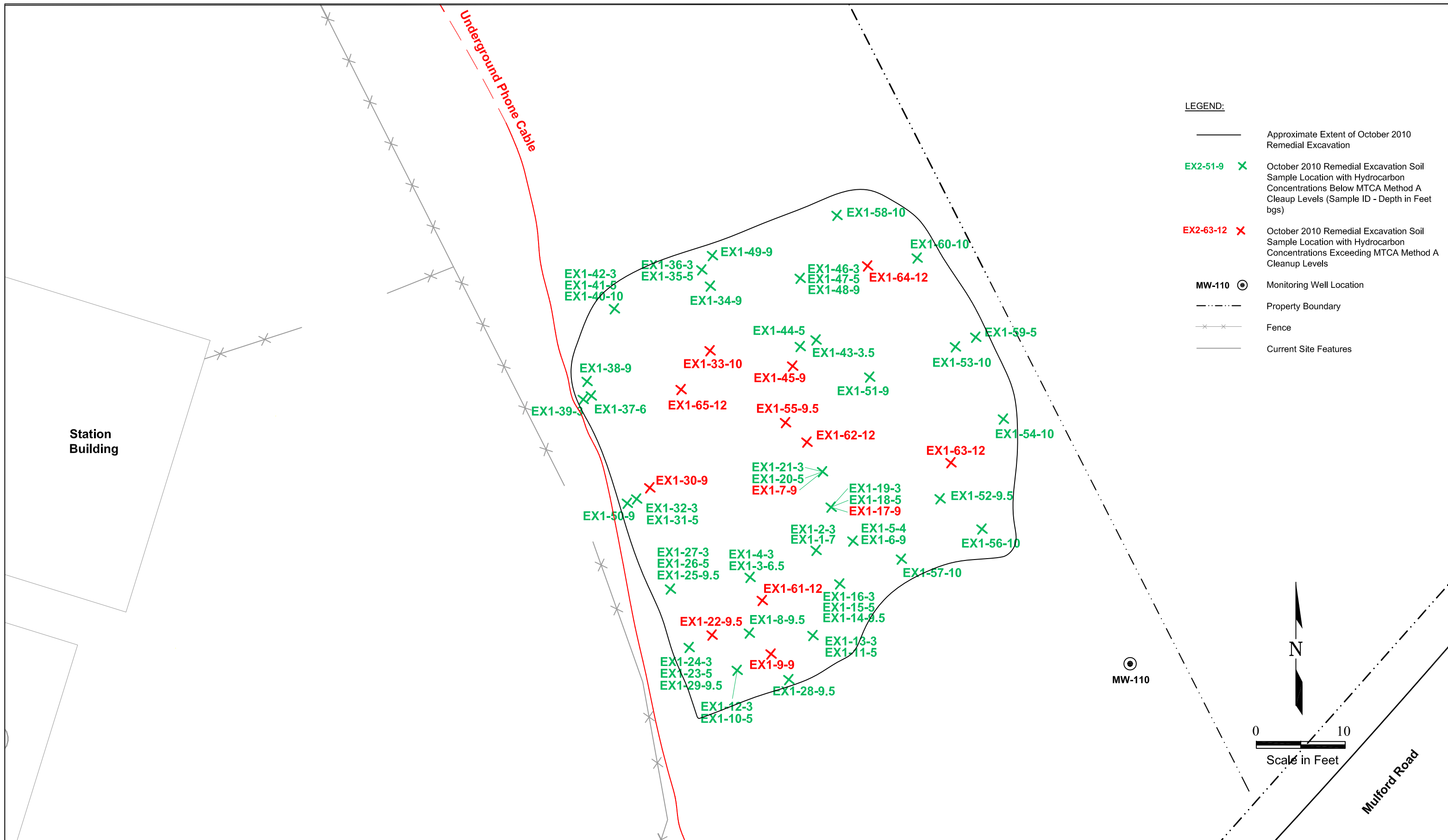
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01/20/2011

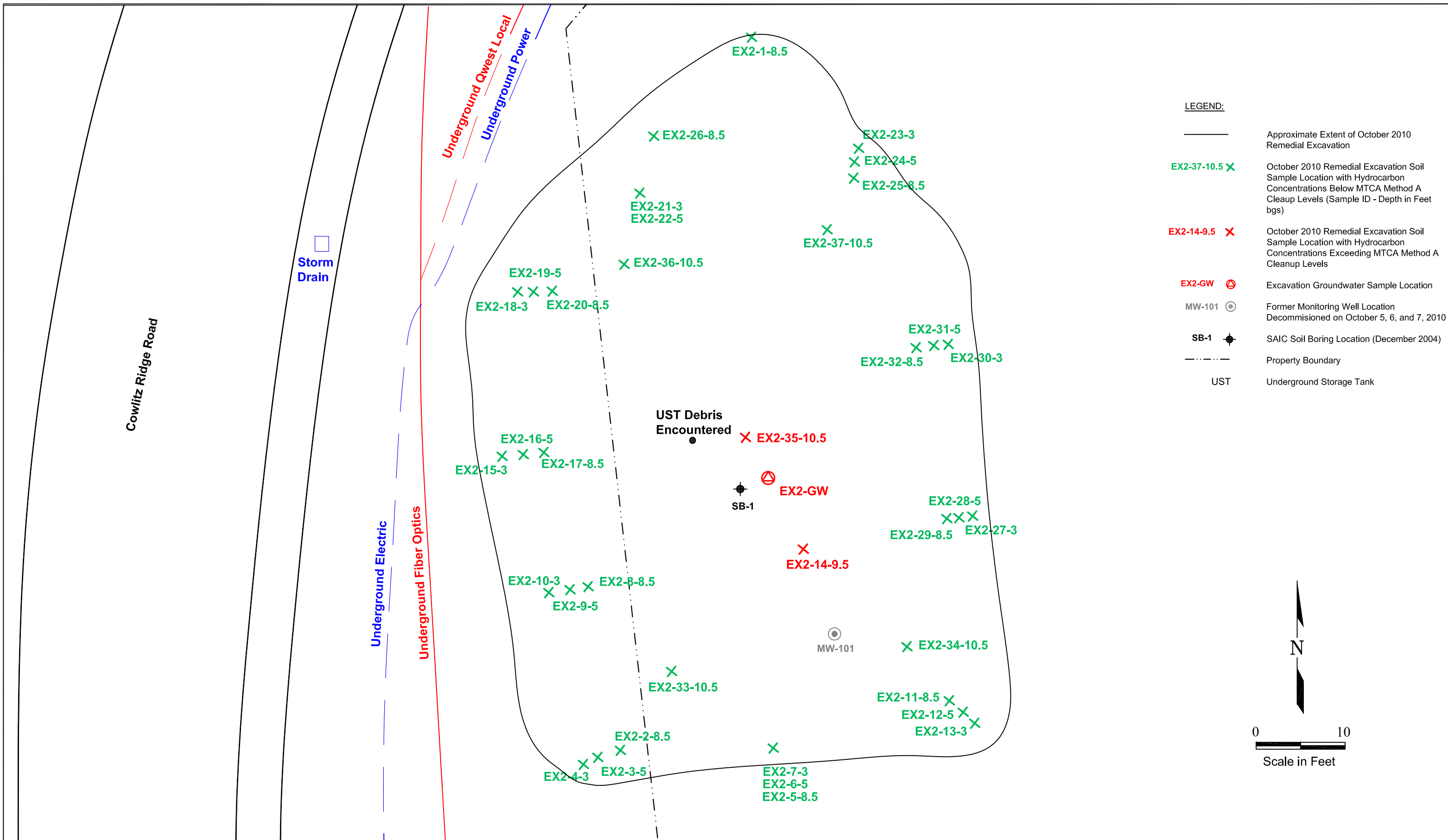


- LEGEND:**
- MW-114 ● Monitoring Well Location
 - MW-101 ● Former Monitoring Well Location Decommissioned on October 5, 6, and 7, 2010
 - - - - - Property Boundary
 - x - x - Fence
 - Current Site Features
 - Former Station Facilities
 - UST Underground Storage Tank
 - Approximate Extent of October 2010 Remedial Excavation (SAIC)

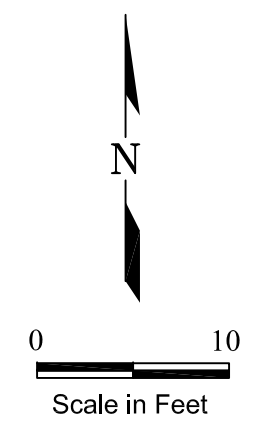


Former Texaco Service Station No. 21-1556 101 Mulford Road Toledo, Washington	Figure 2 Site Map	
	DATE: 04/06/2011	DRAWING: 211556 2011 Site Map.dwg





- LEGEND:**
- Approximate Extent of October 2010 Remedial Excavation
 - EX2-37-10.5 X October 2010 Remedial Excavation Soil Sample Location with Hydrocarbon Concentrations Below MTCA Method A Cleanup Levels (Sample ID - Depth in Feet bgs)
 - EX2-14-9.5 X October 2010 Remedial Excavation Soil Sample Location with Hydrocarbon Concentrations Exceeding MTCA Method A Cleanup Levels
 - EX2-GW Excavation Groundwater Sample Location
 - MW-101 Former Monitoring Well Location Decommissioned on October 5, 6, and 7, 2010
 - SB-1 SAIC Soil Boring Location (December 2004)
 - Property Boundary
 - UST Underground Storage Tank



Former Texaco Service Station No. 21-1556
 101 Mulford Road
 Toledo, Washington

FIGURE 4
 Excavation 2 Soil Sample Locations

Tables

TABLE 1
EXCAVATION 1 SOIL ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1556
101 Mulford Road, Toledo, Washington
Concentrations reported in mg/kg

Sample ID	Sample Depth (feet)	Date	TPH-G ¹	TPH-D ²	TPH-O ²	Benzene ³	Toluene ³	Ethyl-benzene ⁴	Total Xylenes ³
EX1-1-7	7	10/5/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-2-3	3	10/5/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-3-6.5	6.5	10/5/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-4-3	3	10/5/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-5-4	4	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-6-9	9	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-7-9	9	10/6/10	2,800	1,400	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-8-9.5	9.5	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-9-9	9	10/6/10	47	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-10-5	5	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-11-5	5	10/6/10	16	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-12-3	3	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-13-3	3	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-14-9.5	9.5	10/6/10	10 U	140	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-15-5	5	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-16-3	3	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-17-9	9	10/6/10	110	360	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-18-5	5	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-19-3	3	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-20-5	5	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-21-3	3	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-22-9.5	9.5	10/6/10	66	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-23-5	5	10/6/10	22	160	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-24-3	3	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-25-9.5	9.5	10/6/10	28	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-26-5	5	10/6/10	24	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-27-3	5	10/6/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U

TABLE 1
EXCAVATION 1 SOIL ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1556
101 Mulford Road, Toledo, Washington
Concentrations reported in mg/kg

Sample ID	Sample Depth (feet)	Date	TPH-G ¹	TPH-D ²	TPH-O ²	Benzene ³	Toluene ³	Ethyl-benzene ⁴	Total Xylenes ³
EX1-28-9.5	9.5	10/7/10	12	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-29-9.5	9.5	10/7/10	25	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-30-9	9	10/7/10	3,100	4,500	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-31-5	5	10/7/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-32-3	3	10/7/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-33-10	10	10/7/10	94	1,900	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-34-9	9	10/7/10	18	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-35-5	5	10/7/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-36-3	3	10/7/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-37-6	6	10/7/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-38-9	9	10/7/10	22	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-39-3	3	10/7/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-40-10	10	10/7/10	20	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-41-5	5	10/7/10	10	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-42-3	3	10/7/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-43-3.5	3	10/7/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-44-5	5	10/7/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-45-9	9	10/7/10	180	2,800	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-46-3	3	10/7/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-47-5	5	10/7/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-48-9	9	10/7/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-49-9	9	10/8/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-50-9	9	10/8/10	19	120	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-51-9	9	10/8/10	14	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-52-9.5	9.5	10/8/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-52-9.5 Dup	9.5	10/8/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-53-10	10	10/11/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U

TABLE 1
EXCAVATION 1 SOIL ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1556
101 Mulford Road, Toledo, Washington
Concentrations reported in mg/kg

Sample ID	Sample Depth (feet)	Date	TPH-G ¹	TPH-D ²	TPH-O ²	Benzene ³	Toluene ³	Ethyl-benzene ⁴	Total Xylenes ³
EX1-53-10 Dup	10	10/11/10	10 U	NA	NA	0.02 U	0.05 U	0.05 U	0.15 U
EX1-54-10	10	10/11/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-54-10 Dup	10	10/11/10	NA	50 U	100 U	NA	NA	NA	NA
EX1-55-9.5	9.5	10/11/10	6,600	1,100	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-56-10	10	10/12/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-56-10 Dup	10	10/12/10	10 U	NA	NA	0.02 U	0.05 U	0.05 U	0.15 U
EX1-57-10	10	10/12/10	26	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-57-10 Dup	10	10/12/10	NA	50 U	100 U	NA	NA	NA	NA
EX1-58-10	10	10/12/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-59-5	5	10/12/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-60-10	10	10/12/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-61-12	12	10/12/10	260	105	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-62-12	12	10/12/10	50	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-63-12	12	10/12/10	750	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-64-12	12	10/12/10	71	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX1-65-12	12	10/12/10	65	65	100 U	0.02 U	0.05 U	0.05 U	0.15 U
MTCA Method A CULs			30/100	2,000	2,000	0.03	7.0	6.0	9.0

EXPLANATIONS:

CULs = Cleanup levels

Dup = Duplicate

EPA = United States Environmental Protection Agency

mg/kg = Milligrams

MTCA = Model Toxics Control Act

NA = Not analyzed

TPH = Total petroleum hydrocarbons

TPH-G = TPH as gasoline

TPH-D = TPH as diesel

TPH-O = TPH as heavy oil

U = Analyte not detected at or above the listed method detection limit

Ecology = Washington State Department of Ecology

Results in bold indicate analyte reported in concentration exceeding the Ecology MTCA

Method A

1. Analyzed by Ecology Method NWTPH-Gx.

2. Analyzed by Ecology Method NWTPH-Dx with silica-gel cleanup.

3. Analyzed by EPA method 8260B.

TABLE 2
EXCAVATION 2 SOIL ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1556
101 Mulford Road, Toledo, Washington
Concentrations reported in mg/kg

Sample ID	Sample Depth (ft)	Date	TPH-G ¹	TPH-D ²	TPH-O ²	Benzene ³	Toluene ³	Ethyl-benzene ³	Total Xylenes ³
EX2-1-8.5	8.5	10/13/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-2-8.5	8.5	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-3-5	5	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-4-3	3	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-5-8.5	8.5	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-5-8.5 Dup	8.5	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-6-5	5	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-7-3	3	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-8-8.5	8.5	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-9-5	5	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-10-3	3	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-11-8.5	8.5	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-12-5	5	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-13-3	3	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-13-3 Dup	3	10/14/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-14-9.5	9.5	10/14/10	1,800	50 U	100 U	0.02 U	0.05 U	0.16	0.41
EX2-15-3	3	10/18/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-15-3 Dup	3	10/18/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-16-5	5	10/18/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-17-8.5	8.5	10/18/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-18-3	3	10/18/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-19-5	5	10/18/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-20-8.5	8.5	10/18/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-21-3	3	10/18/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-22-5	5	10/18/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-23-3	3	10/18/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-24-5	5	10/18/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-25-8.5	8.5	10/18/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-26-8.5	8.5	10/19/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U

TABLE 2
EXCAVATION 2 SOIL ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1556
101 Mulford Road, Toledo, Washington
Concentrations reported in mg/kg

Sample ID	Sample Depth (ft)	Date	TPH-G ¹	TPH-D ²	TPH-O ²	Benzene ³	Toluene ³	Ethyl-benzene ³	Total Xylenes ³
EX2-27-3	3	10/19/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-28-5	5	10/19/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-29-8.5	8.5	10/19/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-30-3	3	10/19/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-30-3 Dup	3	10/19/10	NA	50 U	100 U	NA	NA	NA	NA
EX2-31-5	5	10/19/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-32-8.5	8.5	10/19/10	10 U	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-33-10.5	10.5	10/20/10	29	50 U	100 U	0.02 U	0.06	0.05 U	0.18
EX2-34-10.5	10.5	10/20/10	29	50 U	100 U	0.02 U	0.05 U	0.05 U	0.11
EX2-35-10.5	10.5	10/20/10	980	50 U	100 U	0.02 U	0.08	1.10	4.40
EX2-36-10.5	10.5	10/20/10	22	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-37-10.5	10.5	10/20/10	22	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
EX2-37-10.5	10.5	10/20/10	27	50 U	100 U	0.02 U	0.05 U	0.05 U	0.15 U
MTCA Method A CULs			30/100	2,000	2,000	0.03	7.0	6.0	9.0

EXPLANATIONS:

CULs = Cleanup levels

Dup = Duplicate

EPA = United States Environmental Protection Agency

mg/kg = Milligrams per kilogram

MTCA = Model Toxics Control Act

NA = Not analyzed

TPH = Total petroleum hydrocarbons

TPH-G = TPH as gasoline

TPH-D = TPH as diesel

TPH-O = TPH as heavy oil

U = Analyte not detected at or above the listed method detection limit

Ecology = Washington State Department of Ecology

Results in bold indicate analyte reported in concentration exceeding the Ecology MTCA Method A CUL.

1. Analyzed by Ecology Method NWTPH-Gx.
2. Analyzed by Ecology Method NWTPH-Dx with silica-gel cleanup.
3. Analyzed by EPA method 8260B.

TABLE 3
cPAHs AND TOTAL LEAD ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1556
101 Mulford Road, Toledo, Washington
Concentrations reported in mg/kg

Sample ID	Sample Depth (ft)	Date	Benzo(a)anthracene ¹	Benzo(a)pyrene ¹	Benzo(b)fluoranthene ¹	Benzo(k)fluoranthene ¹	Chrysene ¹	Dibenz(a,h)anthracene ¹	Indeno(1,2,3-cd)pyrene ¹	Total Toxicity Equivalency of Benzo(a)pyrene	Total Lead ²
EX1-7-9	9	10/6/10	0.0078 U	0.0078 U	0.0078 U	0.00780 U	0.0039 U	0.0078 U	0.0078 U	0.01174	5.48
EX1-28-9.5	9.5	10/7/10	0.0010	0.00084 U	0.0016	0.00084 U	0.0026	0.00084 U	0.00084 U	0.00138	7.91
EX1-29-9.5	9.5	10/7/10	0.00091	0.0011	0.0017	0.00081 U	0.0014	0.00081 U	0.00088	0.00163	11.4
EX1-33-10	10	10/7/10	0.0046	0.0015 U	0.0015 U	0.0015 U	0.020	0.0015 U	0.0015 U	0.00276	7.11
EX1-34-9	9	10/7/10	0.00086 U	0.00086 U	0.00086 U	0.00086 U	0.0011	0.00086 U	0.00086 U	0.0013	7.22
EX1-62-12	12	10/12/10	0.00089 U	0.0011	0.0014	0.00089 U	0.0034	0.00089 U	0.00089 U	0.00163	9.50
EX1-63-12	12	10/12/10	0.00074 U	0.00074 U	0.00074 U	0.00074 U	0.0016	0.00074 U	0.00074 U	0.00113	6.16
EX2-14-9.5	9.5	10/14/10	0.021	0.023	0.026	0.011	0.023	0.0025	0.0090	0.03018	6.04
MTCA Method A CULs			--	--	--	--	--	--	--	0.1	250

EXPLANATIONS:

CULs = Cleanup levels

EPA = United States Environmental Protection Agency

mg/kg = Milligrams per kilogram

MTCA = Model Toxics Control Act

NA = Not analyzed

U = Analyte not detected at or above the listed method detection limit

1. cPAHs analyzed by EPA Method 8270C SIM.

2. Total Lead analyzed by EPA Method 6020.

TABLE 4
STOCKPILE SOIL ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1566
101 Mulford Road, Toledo, Washington
Concentrations reported in mg/kg

Sample ID	Date	TPH-G ¹	TPH-D ²	TPH-O ²	Benzene ³	Toluene ³	Ethyl-benzene ³	Total Xylenes ³
SP-1-1	10/5/10	40	160	10 U	0.020 U	0.050 U	0.050 U	0.150 U
SP-1-2	10/5/10	10 U	50 U	10 U	0.020 U	0.050 U	0.050 U	0.150 U
SP-1-3	10/6/10	10 U	50 U	10 U	0.020 U	0.050 U	0.050 U	0.150 U
SP-1-3 Dup	10/6/10	NA	50 U	10 U	NA	NA	NA	NA
SP-2-1	10/8/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-2-2	10/8/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-2-3	10/8/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-2-3 Dup	10/8/10	NA	25 U	60 U	NA	NA	NA	NA
SP-2-4	10/12/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-2-5	10/12/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-3-1	10/12/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-3-2	10/12/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-3-3	10/12/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-3-3 Dup	10/12/10	5 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U
SP-3-4	10/12/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-3-5	10/12/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-4-1	10/14/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-4-2	10/14/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-4-3	10/14/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-4-4	10/14/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-4-5	10/14/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-4-6	10/15/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-4-6 Dup	10/15/10	5 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U
SP-4-7	10/15/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-4-7 Dup	10/15/10	NA	25 U	60 U	NA	NA	NA	NA
SP-4-8	10/15/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-4-9	10/15/10	5 U	25 U	91	0.005 U	0.005 U	0.005 U	0.005 U
SP-4-10	10/15/10	5 U	25 U	67	0.005 U	0.005 U	0.005 U	0.005 U

TABLE 4
STOCKPILE SOIL ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1566
101 Mulford Road, Toledo, Washington
Concentrations reported in mg/kg

Sample ID	Date	TPH-G ¹	TPH-D ²	TPH-O ²	Benzene ³	Toluene ³	Ethyl-benzene ³	Total Xylenes ³
SP4-11	10/19/10	10 U	25 U	60 U	0.020 U	0.050 U	0.050 U	0.150 U
SP4-12	10/19/10	10 U	25 U	60 U	0.020 U	0.050 U	0.050 U	0.150 U
SP-5-1	10/18/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-5-2	10/18/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-5-3	10/18/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
SP-5-3 Dup	10/18/10	5 U	25 U	60 U	0.005 U	0.005 U	0.005 U	0.005 U
MTCA Method A CULs		30/100	2,000	2,000	0.03	7.0	6.0	9.0

EXPLANATIONS:

CULs = Cleanup levels

Dup = Duplicate

EPA = United States Environmental Protection Agency

mg/kg = Milligrams per kilogram

MTCA = Model Toxics Control Act

NA = Not analyzed

TPH = Total petroleum hydrocarbons

TPH-G = TPH as gasoline

TPH-D = TPH as diesel

TPH-O = TPH as heavy oil

U = Analyte not detected at or above the listed method detection limit

Ecology = Washington State Department of Ecology

Results in bold indicate analyte reported in concentration exceeding the Ecology MTCA Method A CUL.

1. Analyzed by Ecology Method NWTPH-Gx.
2. Analyzed by Ecology Method NWTPH-Dx with silica-gel cleanup.
3. Analyzed by EPA method 8260B.

TABLE 5
EXCAVATION 2 GROUNDWATER ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1556
101 Mulford Road, Toledo, Washington
Concentrations reported in µg/L

Sample ID	Date	TPH-G ¹	TPH-D ²	TPH-O ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
EX2-GW	10/18/10	6,600	250 U	500 U	1.0 U	1.0 U	28	160
MTCA Method A CULs		800/1,000	500	500	5	1,000	700	1,000

EXPLANATIONS:

CULs = Cleanup levels

EPA = United States Environmental Protection Agency

MTCA = Model Toxics Control Act

NA = Not analyzed

TPH = Total petroleum hydrocarbons

TPH-G = TPH as gasoline

TPH-D = TPH as diesel

TPH-O = TPH as heavy oil

U = Analyte not detected at or above the listed method detection limit

µg/L = Micrograms per liter

Ecology = Washington State Department of Ecology

Results in bold indicate analyte reported in concentration exceeding the Ecology MTCA Method A CUL.

1. Analyzed by WDOE Method NWTPH-Gx.
2. Analyzed by WDOE Method NWTPH-Dx with silica-gel cleanup.
3. Analyzed by EPA method 8260B.

**Appendix A:
Laboratory Reports**

CHAIN-OF-CUSTODY RECORD

CLIENT: SAIC DATE: 10-6-10 PAGE 1 OF 2
 ADDRESS: _____ PROJECT NAME: Toledo
 PHONE: _____ LOCATION: _____
 CLIENT PROJECT #: _____ PROJECT MANAGER: Gabriel Cisneros COLLECTOR: _____
 DATE OF COLLECTION: 10/6/10

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES										NOTES	Total Number of Containers	Laboratory Note Number	
					VOA 8021B	VOA 8021B BTEX Only	TPH - HClO	TPH 8015 (Gasoline)	TPH 8015 (Total)	PAH B100 (4 of)	PAH B270	PCBs 8092	Pesticides 8081	ASBESTOS-PLM				RCRA 8
1. EX-1-1-7			Soil	Soil	X	X	X	X	X	X	X	X	X	X	X	X		
2. EX-1-2-3					X	X	X	X	X	X	X	X	X	X	X	X		
3. EX-1-3-6.5					X	X	X	X	X	X	X	X	X	X	X	X		
4. EX-1-4-3					X	X	X	X	X	X	X	X	X	X	X	X		
5. SP-1-1					X	X	X	X	X	X	X	X	X	X	X	X		
6. SP-1-2					X	X	X	X	X	X	X	X	X	X	X	X		
7. SP-1-3		945			X	X	X	X	X	X	X	X	X	X	X	X		
8. EX-1-5-4		1005			X	X	X	X	X	X	X	X	X	X	X	X		
9. EX-1-6-9					X	X	X	X	X	X	X	X	X	X	X	X		
10. EX-1-7-9		1240			X	X	X	X	X	X	X	X	X	X	X	X		
11. EX-1-8-9.5		1360			X	X	X	X	X	X	X	X	X	X	X	X		
12. EX-1-9-9		1405			X	X	X	X	X	X	X	X	X	X	X	X		
13. EX-1-17-9		1350			X	X	X	X	X	X	X	X	X	X	X	X		
14. EX-1-14-9.5		1335			X	X	X	X	X	X	X	X	X	X	X	X		
15. EX-1-11.5		1330			X	X	X	X	X	X	X	X	X	X	X	X		
16. EX-1-16.5		1337			X	X	X	X	X	X	X	X	X	X	X	X		
17. EX-1-10.5					X	X	X	X	X	X	X	X	X	X	X	X		
18. EX-1-12.3					X	X	X	X	X	X	X	X	X	X	X	X		

RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____ DATE/TIME _____
 RELINQUISHED BY (Signature) _____ DATE/TIME 10/8/10 0800 RECEIVED BY (Signature) _____ DATE/TIME _____

SAMPLE DISPOSAL INSTRUCTIONS
 ESN DISPOSAL @ \$2.00 each Return Pickup

LABORATORY NOTES: ON-SITE LAB

Turn Around Time: 24 HR 48 HR 5 DAY

CHAIN-OF-CUSTODY RECORD

CLIENT: SAIC DATE: 10-6-10 PAGE 2 OF 2
 ADDRESS: _____ PROJECT NAME: TOLEDO
 PHONE: _____ LOCATION: _____
 CLIENT PROJECT #: _____ PROJECT MANAGER: GABRIEL CISNEROS COLLECTOR: _____ DATE OF COLLECTION: 10/6/10

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES										NOTES	Total Number of Containers	Laboratory Note Number
					VQA 8021B	VQA 8021B BTEX ONLY	VQA 8210	TPH - HCHO	TPH 8015 (total)	TPH 8015 (A & O)	PAH 8270	PCBs 8082	Asbestos 8081	RCRA 8			
1. EXI-18-5		1410	soil	4oz	X	X	X	X	X	X	X	X	X	X	X		
2. EXI-20-5		1425			X	X	X	X	X	X	X	X	X	X	X		
3. EXI-21-3		1340			X	X	X	X	X	X	X	X	X	X	X		
4. EXI-13-3		1400			X	X	X	X	X	X	X	X	X	X	X		
5. EXI-16-3		1415			X	X	X	X	X	X	X	X	X	X	X		
6. EXI-19-3		1445			X	X	X	X	X	X	X	X	X	X	X		
7. EXI-24-3		1450			X	X	X	X	X	X	X	X	X	X	X		
8. EXI-25-9.5		1500			X	X	X	X	X	X	X	X	X	X	X		
9. EXI-26-5		1505			X	X	X	X	X	X	X	X	X	X	X		
10. EXI-27-5		1440			X	X	X	X	X	X	X	X	X	X	X		
11. EXI-23-5		1435			X	X	X	X	X	X	X	X	X	X	X		
12. EXI-22-9.5																	
13. EXI-19																	
14.																	
15.																	
16.																	
17.																	
18.																	

RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____ DATE/TIME _____
 RELINQUISHED BY (Signature) _____ DATE/TIME 10-8-10/0800 RECEIVED BY (Signature) _____ DATE/TIME _____

SAMPLE DISPOSAL INSTRUCTIONS
 ESN DISPOSAL @ \$2.00 each Return Pickup

LABORATORY NOTES:
ON-SITE LMB

Turn Around Time: 24 HR 48 HR 5 DAY

CHAIN-OF-CUSTODY RECORD

CLIENT: SAIC DATE: 10-7-10 PAGE 1 OF 2
 ADDRESS: _____ PROJECT NAME: Toledo
 PHONE: _____ LOCATION: _____
 CLIENT PROJECT #: _____ PROJECT MANAGER: Gabriel Cisneros COLLECTOR: _____ DATE OF COLLECTION: _____
 FAX: _____

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES										NOTES	Total Number of Containers	Laboratory Note Number									
					TPH - DIESEL & OIL	TPH - GASOLINE	VOC 820CL	VOC 820L	SEMI 8270	PAHs 8270	PCBs 8082	CL pesticides 8081	RCRA 8 Metals	Pb				MTCA 5 Metals	Asbestos-PLM	GRO Site	DRO Site	WQ Site				
1. EXI-28-9.5		8:10																								
2. EXI-29-9.5		8:30																								
3. EXI-30-9		9:10																								
4. EXI-31-5		9:15																								
5. EXI-32-3		9:20																								
6. EXI-33-10		10:00																								
7. EXI-34-9		10:15																								
8. EXI-35-5		10:20																								
9. EXI-36-3		10:25																								
10. EXI-37-6		10:30																								
11. EXI-38-9		10:35																								
12. EXI-39-3		10:40																								
13. EXI-40-10		11:05																								
14. EXI-41-5		11:10																								
15. EXI-42-3		11:15																								
16. EXI-43-3		12:25																								
17. EXI-44-5		12:20																								
18. EXI-45-9		12:25																								

RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____ DATE/TIME _____

RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____ DATE/TIME _____

RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____ DATE/TIME _____

SAMPLE DISPOSAL INSTRUCTIONS

ESN DISPOSAL @ \$2.00 each Return Pickup

LABORATORY NOTES: On-site Lab

Turn Around Time: 24 HR 48 HR 5 DAY

CHAIN-OF-CUSTODY RECORD

CLIENT: SATC DATE: 10-7-10 PAGE 2 OF 2
 ADDRESS: _____ PROJECT NAME: Toledo
 PHONE: _____ LOCATION: _____ FAX: _____

CLIENT PROJECT #: _____ PROJECT MANAGER: Gabriel Cisneros COLLECTOR: _____ DATE OF COLLECTION: _____

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES		NOTES	Total Number of Containers	Laboratory Note Number
					TPH - ACID	TPH - DIESEL & OIL			
1. EXI-46-3		1240							
2. EXI-47-5		1245							
3. EXI-48-9		1250							
4.									
5.									
6.									
7.									
8.									
9.									
10.									
11.									
12.									
13.									
14.									
15.									
16.									
17.									
18.									

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE/TIME	DATE/TIME
RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE/TIME	DATE/TIME
SAMPLE DISPOSAL INSTRUCTIONS			
<input type="checkbox"/> ESN DISPOSAL @ \$2.00 each <input type="checkbox"/> Return <input type="checkbox"/> Pickup			

LABORATORY NOTES: _____
 TOTAL NUMBER OF CONTAINERS: _____
 CHAIN OF CUSTODY SEALS Y/N/A: _____
 SEALS INTACT? Y/N/A: _____
 RECEIVED GOOD COND./COLD: _____
 NOTES: _____
 Turn Around Time: 24 HR 48 HR 5 DAY



CHAIN-OF-CUSTODY RECORD

CLIENT: SATC DATE: 10-8-10 PAGE OF
 ADDRESS: _____ PROJECT NAME: _____
 PHONE: _____ LOCATION: _____
 CLIENT PROJECT #: _____ PROJECT MANAGER: _____ COLLECTOR: _____
 DATE OF COLLECTION: _____

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES											Total Number of Containers	Laboratory Note Number											
					TRHID	TPH - DIESEL & OIL	TPH - GASOLINE	VOC 8260	Semivol 8270	PCBs 802	CL Particles 8081	MTCA 5 Metals	Pb	Asbestos-PLM	GRO Sulfide			DRO Sulfide	MO Sulfide									
1. EX1-49-9		735			X	X	X																					
2. EX1-50-9		940			X	X	X																					
3. EX1-51-9		1010			X	X	X																					
4. EX1-52-9.5		1130			X	X	X																					
5.																												
6.																												
7.																												
8.																												
9.																												
10.																												
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12.																												
13.																												
14.																												
15.																												
16.																												
17.																												
18.																												

RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____ DATE/TIME _____ LABORATORY NOTES: _____
 TOTAL NUMBER OF CONTAINERS _____
 CHAIN OF CUSTODY SEALS Y/N/A _____
 SEALS INTACT? Y/N/A _____
 RECEIVED GOOD COND./COLD _____
 NOTES: _____
 Turn Around Time: 24 HR 48 HR 5 DAY

SAMPLE DISPOSAL INSTRUCTIONS
 ESN DISPOSAL @ \$2.00 each Return Pickup

CHAIN-OF-CUSTODY RECORD

CLIENT: SALC / CHEVRON DATE: 10/12/15 PAGE 1 OF 1
 ADDRESS: 101 Mulford Road, Toledo, WA PROJECT NAME: Toledo Z11556
 PHONE: 425-482-3321 FAX: (425)85-5566 LOCATION: Toledo, WA
 CLIENT PROJECT #: Z11556 PROJECT MANAGER: Peter Cahall COLLECTOR: G. Cisneros DATE OF COLLECTION: 10/12/15

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES		Total Number of Containers	Laboratory Note Number
					VOA 8021B BTEX Only	VOA 8021B BTEX Only		
1. EX1-56-10	10	1015	Soil	40z			1	Lab 2145X
2. EX1-57-10	10	1020	Soil				1	Lab 2145X
3. EX1-58-10	10	1052					1	Lab 2145X
4. EX1-59-5	5	1128					1	Lab 2145X
5. EX1-60-10	10	1240					1	Lab 2145X
6. EX1-61-12	12	1320					1	Lab 2145X
7. EX1-62-12	12	1341					1	Lab 2145X
8. EX1-63-12	12	1409					1	Lab 2145X
9. EX1-64-12	12	1415					1	Lab 2145X
10. EX1-65-12	12	1510					1	Lab 2145X
11.								
12.								
13.								
14.								
15.								
16.								
17.								
18.								

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME	LABORATORY NOTES:
<i>(Signature)</i>	10-12-10/1518	<i>(Signature)</i>	10/12/10 1578	

RECEIVED BY (Signature) _____ DATE/TIME _____
 RECEIVED BY (Signature) _____ DATE/TIME _____

TOTAL NUMBER OF CONTAINERS _____
 CHAIN OF CUSTODY SEALS Y/N/A _____
 SEALS INTACT? Y/N/A _____
 RECEIVED GOOD COND./COLD _____
 NOTES: _____

Turn Around Time: 24 HR 48 HR 5 DAY

SAMPLE DISPOSAL INSTRUCTIONS

ESN DISPOSAL @ \$2.00 each Return Pickup



For Lancaster Laboratories use only

221044

SCR#:

Sample #:

Acct. #:

510102.6

Facility #: Toledo 211556
 Site Address: 101 Muff and Road Toledo, WA
 Chevron PM: Amy Gilpin Lead Consultant: SAIC
 Consultant/Office: Bethell, WA
 Consultant Proj. Mgr.: Peter Castwell
 Consultant Phone #: 425-482-3321 Fax #:
 Sampler: G. Giermas
 Service Order #: Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers
SP-2-4	10/12	0800	/	/	/	/	/	/	/
SP-2-5	10/12	0815	/	/	/	/	/	/	/
SP-3-1	10/12	0850	/	/	/	/	/	/	/
SP-3-2		0852	/	/	/	/	/	/	/
SP-3-3		0854	/	/	/	/	/	/	/
SP-3-4		0856	/	/	/	/	/	/	/
SP-3-5		0850	/	/	/	/	/	/	/

Analyses Requested		Matrix		Preservation Codes				Preservative Codes	
<input type="checkbox"/> BTEX+MTBE 8021	<input type="checkbox"/> 8260	<input type="checkbox"/> Potable	<input type="checkbox"/> NPDES	VP/EPH	Lead Total	<input type="checkbox"/> Diss.	<input type="checkbox"/> Method	H = HCl	T = Thiou sulfate
<input type="checkbox"/> 8260 full scan	Oxygenates	Water	Soil	VP/EPH	Lead Total	<input type="checkbox"/> Diss.	<input type="checkbox"/> Method	N = HNO ₃	B = NaOH
<input type="checkbox"/> Naphth		Composite	Grab	VP/EPH	Lead Total	<input type="checkbox"/> Diss.	<input type="checkbox"/> Method	S = H ₂ SO ₄	O = Other
<input type="checkbox"/> Naphth		Composite	Grab	VP/EPH	Lead Total	<input type="checkbox"/> Diss.	<input type="checkbox"/> Method	<input type="checkbox"/> J value reporting needed	
<input type="checkbox"/> Naphth		Composite	Grab	VP/EPH	Lead Total	<input type="checkbox"/> Diss.	<input type="checkbox"/> Method	<input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds	
<input type="checkbox"/> Naphth		Composite	Grab	VP/EPH	Lead Total	<input type="checkbox"/> Diss.	<input type="checkbox"/> Method	8021 MTBE Confirmation	
<input type="checkbox"/> Naphth		Composite	Grab	VP/EPH	Lead Total	<input type="checkbox"/> Diss.	<input type="checkbox"/> Method	<input type="checkbox"/> Confirm MTBE + Naphthalene	
<input type="checkbox"/> Naphth		Composite	Grab	VP/EPH	Lead Total	<input type="checkbox"/> Diss.	<input type="checkbox"/> Method	<input type="checkbox"/> Confirm highest hit by 8260	
<input type="checkbox"/> Naphth		Composite	Grab	VP/EPH	Lead Total	<input type="checkbox"/> Diss.	<input type="checkbox"/> Method	<input type="checkbox"/> Confirm all hits by 8260	
<input type="checkbox"/> Naphth		Composite	Grab	VP/EPH	Lead Total	<input type="checkbox"/> Diss.	<input type="checkbox"/> Method	<input type="checkbox"/> Run ___ oxy s on highest hit	
<input type="checkbox"/> Naphth		Composite	Grab	VP/EPH	Lead Total	<input type="checkbox"/> Diss.	<input type="checkbox"/> Method	<input type="checkbox"/> Run ___ oxy s on all hits	

Comments / Remarks
 Please have
 Lab Detection
 Limits below
 these #s.
 Gas < 5 msls
 Diesel < 25
 Oil < 60
 BTEX < 0.005 msls

Turnaround Time Requested (TAT) (please circle)	Relinquished by:	Date	Time	Received by:	Date	Time
24 hour	<i>[Signature]</i>	10/12	0842	<i>[Signature]</i>	10/12	0943
72 hour						
48 hour						
5 day						
4 day						

Data Package Options (please circle if required)	Relinquished by:	Date	Time	Received by:	Date	Time
Type I - Full	<i>[Signature]</i>					
Disk / EDD						
Standard Format						
Other: _____						

QC Summary	Relinquished by Commercial Carrier:	Date	Time	Received by:	Date	Time
Type VI (Raw Data)						
W/P (RWQCB)						
Disk						

Temperature Upon Receipt	UPS	FedEx	Other	Custody Seals Intact?	Yes	No
_____ C°						

Received Time Oct. 12. 4:15PM

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.

4259579904

ESN Believe

Oct 12 2010 15:07

7.2

Sp002.1

CHAIN-OF-CUSTODY RECORD

CLIENT: SAIC **DATE:** 10-8-10 **PAGE:** 1 **OF:** 1
ADDRESS: Toledo **PROJECT NAME:** Toledo
PHONE: Toledo, WA **LOCATION:** Toledo, WA
FAX: **COLLECTOR:**

CLIENT PROJECT #: **PROJECT MANAGER:** **DATE OF COLLECTION:**

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES													NOTES	Total Number of Containers	Laboratory Note Number														
					TRACED	TRH - DIESEL & OIL	BTEX	VOC 200CL	VOC 200L	SEM/CL 270	PCB'S 2092	CL Pesticides 2081	MCA 3 Metals	Pb	Arsenic-PUM	GR0 Silica	DR0 Silica				MO Silica													
1. SP-2-1		1500	SP1	40Z	X	X	X	X																										
2. SP-2-2		195	↓	↓	X	X	X	X																										
3. SP-2-3		150																																
4.																																		
5.																																		
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17.																																		
18.																																		

LABORATORY NOTES: Please call Jennifer w/ results
RELINQUISHED BY (Signature): _____ **DATE/TIME:** _____
RECEIVED BY (Signature): _____ **DATE/TIME:** _____
RECEIVED BY (Signature): _____ **DATE/TIME:** _____
SAMPLE DISPOSAL INSTRUCTIONS: _____

TOTAL NUMBER OF CONTAINERS: _____
CHAIN OF CUSTODY SEALS Y/N/NA: _____
SEALS INTACT Y/N/NA: _____
RECEIVED GOOD COND./COLD: _____

LABORATORY NOTES: Please call Jennifer w/ results
Turn Around Time: (24 HR) 48 HR 5 DAY

Received Time Oct. 13. - 8:41AM

ESN NORTHWEST CHEMISTRY LABORATORY

SAIC
TOLEDO PROJECT
Toledo, Washington

ESN Northwest
1210 Eastside Street SE Suite 200
Olympia, WA 98501
(360) 459-4670 (360) 459-3432 Fax
lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/6/2010	10/6/2010	105	nd	nd
EX1-1-7	10/6/2010	10/6/2010	102	nd	nd
EX1-2-3	10/6/2010	10/6/2010	104	nd	nd
EX1-3-6.5	10/6/2010	10/6/2010	104	nd	nd
EX1-4-3	10/6/2010	10/6/2010	94	nd	nd
SP-1-1	10/6/2010	10/6/2010	110	160	nd
SP-1-2	10/6/2010	10/6/2010	93	nd	nd
SP-1-3	10/6/2010	10/6/2010	93	nd	nd
SP-1-3 Dup	10/6/2010	10/6/2010	102	nd	nd
EX1-5-4	10/6/2010	10/6/2010	94	nd	nd
EX1-6-9	10/6/2010	10/6/2010	99	nd	nd
EX1-7-9	10/6/2010	10/6/2010	int	1400	nd
EX1-8-9.5	10/6/2010	10/6/2010	99	nd	nd
EX1-9-9	10/6/2010	10/6/2010	100	nd	nd
EX1-10-5	10/7/2010	10/8/2010	106	nd	nd
EX1-11-5	10/6/2010	10/7/2010	96	nd	nd
EX1-12-3	10/7/2010	10/8/2010	110	nd	nd
EX1-13-3	10/7/2010	10/8/2010	93	nd	nd
EX1-14-9.5	10/6/2010	10/6/2010	int	140	nd
EX1-15-5	10/6/2010	10/7/2010	101	nd	nd
EX1-16-3	10/7/2010	10/8/2010	108	nd	nd
EX1-17-9	10/6/2010	10/6/2010	int	360	nd
EX1-18-5	10/6/2010	10/7/2010	105	nd	nd
EX1-19-3	10/7/2010	10/8/2010	56	nd	nd
EX1-20-5	10/6/2010	10/7/2010	94	nd	nd
EX1-21-3	10/7/2010	10/8/2010	96	nd	nd
EX1-22-9.5	10/6/2010	10/6/2010	97	nd	nd
EX1-23-5	10/6/2010	10/7/2010	103	160	nd
EX1-24-3	10/7/2010	10/8/2010	100	nd	nd
EX1-25-9.5	10/7/2010	10/7/2010	104	nd	nd
EX1-26-5	10/7/2010	10/7/2010	73	nd	nd
EX1-27-5	10/7/2010	10/7/2010	112	nd	nd
Reporting Limits				50	100

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

ESN NORTHWEST CHEMISTRY LABORATORY

SAIC
 TOLEDO PROJECT
 Toledo, Washington

ESN Northwest
 1210 Eastside Street SE Suite 200
 Olympia, WA 98501
 (360) 459-4670 (360) 459-3432 Fax
 lab@esnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/7/2010	10/7/2010	103	nd	nd
EX1-28-9.5	10/7/2010	10/7/2010	102	nd	nd
EX1-29-9.5	10/7/2010	10/7/2010	107	nd	nd
EX1-30-9	10/7/2010	10/7/2010	int	4500	nd
EX1-31-5	10/7/2010	10/7/2010	101	nd	nd
EX1-32-3	10/7/2010	10/8/2010	107	nd	nd
EX1-33-10	10/7/2010	10/7/2010	int	1900	nd
EX1-34-9	10/7/2010	10/7/2010	99	nd	nd
EX1-35-5	10/7/2010	10/7/2010	72	nd	nd
EX1-36-3	10/8/2010	10/8/2010	98	nd	nd
EX1-37-6	10/7/2010	10/7/2010	81	nd	nd
EX1-38-9	10/7/2010	10/7/2010	88	nd	nd
EX1-39-3	10/8/2010	10/8/2010	86	nd	nd
EX1-40-10	10/7/2010	10/8/2010	102	nd	nd
EX1-41-5	10/8/2010	10/8/2010	97	nd	nd
EX1-42-3	10/8/2010	10/8/2010	101	nd	nd
EX1-43-3	10/8/2010	10/11/2010	88	nd	nd
EX1-44-5	10/8/2010	10/11/2010	98	nd	nd
EX1-45-9	10/7/2010	10/8/2010	int	2800	nd
EX1-46-3	10/8/2010	10/11/2010	87	nd	nd
EX1-47-5	10/8/2010	10/11/2010	88	nd	nd
EX1-48-9	10/7/2010	10/7/2010	99	nd	nd
Reporting Limits				50	100

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

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Toledo, Washington

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(360) 459-4670 (360) 459-3432 Fax
lab@esnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/8/2010	10/8/2010	106	nd	nd
EX1-49-9	10/8/2010	10/8/2010	82	nd	nd
EX1-50-9	10/8/2010	10/8/2010	127	120	nd
EX1-51-9	10/8/2010	10/8/2010	98	nd	nd
EX1-52-9.5	10/8/2010	10/8/2010	97	nd	nd
EX1-52-9.5 Dup	10/8/2010	10/8/2010	99	nd	nd
Reporting Limits				50	100

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

ESN NORTHWEST CHEMISTRY LABORATORY

SAIC
TOLEDO PROJECT
Toledo, Washington

ESN Northwest
1210 Eastside Street SE Suite 200
Olympia, WA 98501
(360) 459-4670 (360) 459-3432 Fax
lab@esnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/11/2010	10/11/2010	98	nd	nd
EX1-53-10	10/11/2010	10/11/2010	112	nd	nd
EX1-54-10	10/11/2010	10/11/2010	108	nd	nd
EX1-54-10 Dup	10/11/2010	10/11/2010	104	nd	nd
EX1-55-9.5	10/11/2010	10/11/2010	int	1100	nd
Reporting Limits				50	100

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

ESN NORTHWEST CHEMISTRY LABORATORY

SAIC
TOLEDO PROJECT
Toledo, Washington

ESN Northwest
1210 Eastside Street SE Suite 200
Olympia, WA 98501
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Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/13/2010	10/13/2010	105	nd	nd
EX1-56-10	10/13/2010	10/13/2010	85	nd	nd
EX1-57-10	10/13/2010	10/13/2010	98	nd	nd
EX1-57-10 DUP	10/13/2010	10/13/2010	107	nd	nd
EX1-58-10	10/13/2010	10/13/2010	97	nd	nd
EX1-59-10	10/13/2010	10/13/2010	99	nd	nd
EX1-60-10	10/13/2010	10/13/2010	100	nd	nd
EX1-61-12	10/13/2010	10/13/2010	84	105	nd
EX1-62-12	10/13/2010	10/13/2010	97	nd	nd
EX1-63-12	10/13/2010	10/13/2010	115	nd	nd
EX1-64-12	10/13/2010	10/13/2010	94	nd	nd
EX1-65-12	10/13/2010	10/13/2010	111	65	nd
Reporting Limits				50	100

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

ESN NORTHWEST CHEMISTRY LABORATORY

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**Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil
by Method NWTPH-Dx**

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/12/2010	10/12/2010	69%	nd	nd
SP-2-1	10/12/2010	10/12/2010	63%	nd	nd
SP-2-2	10/12/2010	10/12/2010	59%	nd	nd
SP-2-3	10/12/2010	10/12/2010	56%	nd	nd
SP-2-3dup	10/12/2010	10/12/2010	74%	nd	nd
Reporting Limits				25	60

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

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**Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil
by Method NWTPH-Dx with Silica Gel Clean Up**

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/12/2010	10/12/2010	69%	nd	nd
SP-2-4	10/12/2010	10/12/2010	70%	nd	nd
SP-2-5	10/12/2010	10/12/2010	56%	nd	nd
SP-3-1	10/12/2010	10/12/2010	66%	nd	nd
SP-3-2	10/12/2010	10/12/2010	70%	nd	nd
SP-3-3	10/12/2010	10/12/2010	56%	nd	nd
SP-3-4	10/12/2010	10/12/2010	58%	nd	nd
SP-3-5	10/12/2010	10/12/2010	50%	nd	nd
Reporting Limits				25	60

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"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

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Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	10/6/2010	10/6/2010	nd	nd	nd	nd	nd	99
LCS	10/6/2010	10/6/2010	110%	88%	88%	93%	78%	96
EX-1-1-7	10/6/2010	10/6/2010	nd	nd	nd	nd	nd	98
EX-1-2-3	10/6/2010	10/6/2010	nd	nd	nd	nd	nd	99
EX-1-3-6.5	10/6/2010	10/6/2010	nd	nd	nd	nd	nd	100
EX-1-4-3	10/6/2010	10/6/2010	nd	nd	nd	nd	nd	96
SP-1-1	10/6/2010	10/6/2010	nd	nd	nd	nd	40	103
SP-1-2	10/6/2010	10/13/2010	nd	nd	nd	nd	nd	104
SP-1-3	10/6/2010	10/13/2010	nd	nd	nd	nd	nd	107
EX-1-5-4	10/6/2010	10/6/2010	nd	nd	nd	nd	nd	102
EX-1-6-9	10/6/2010	10/6/2010	nd	nd	nd	nd	nd	97
EX-1-7-9	10/6/2010	10/6/2010	nd	nd	nd	nd	2800	102
EX-1-8-9.5	10/6/2010	10/6/2010	nd	nd	nd	nd	nd	102
EX1-9-9	10/6/2010	10/6/2010	nd	nd	nd	nd	47	104
EX1-10-5	10/6/2010	10/8/2010	nd	nd	nd	nd	nd	103
EX1-11-5	10/6/2010	10/7/2010	nd	nd	nd	nd	16	101
EX1-12-3	10/6/2010	10/8/2010	nd	nd	nd	nd	nd	103
EX1-13-3	10/7/2010	10/13/2010	nd	nd	nd	nd	nd	83
EX1-14-9.5	10/6/2010	10/6/2010	nd	nd	nd	nd	nd	104
EX1-15-5	10/6/2010	10/8/2010	nd	nd	nd	nd	nd	100
EX1-16-3	10/7/2010	10/8/2010	nd	nd	nd	nd	nd	105
EX1-17-9	10/6/2010	10/6/2010	nd	nd	nd	nd	110	99
EX1-18-5	10/6/2010	10/12/2010	nd	nd	nd	nd	nd	99
EX1-19-3	10/7/2010	10/8/2010	nd	nd	nd	nd	nd	106
EX1-20-5	10/6/2010	10/8/2010	nd	nd	nd	nd	nd	99
EX1-21-3	10/7/2010	10/8/2010	nd	nd	nd	nd	nd	101
EX1-22-9.5	10/6/2010	10/6/2010	nd	nd	nd	nd	66	103
EX1-23-5	10/6/2010	10/7/2010	nd	nd	nd	nd	22	99
EX1-24-3	10/7/2010	10/14/2010	nd	nd	nd	nd	nd	105
EX1-25-9.5	10/7/2010	10/7/2010	nd	nd	nd	nd	28	100
EX1-26-5	10/7/2010	10/7/2010	nd	nd	nd	nd	24	102
EX1-27-5	10/7/2010	10/13/2010	nd	nd	nd	nd	nd	103
MS	10/6/2010	10/6/2010	86%	67%	75%	74%	---	92
MSD	10/6/2010	10/6/2010	102%	71%	79%	79%	---	92
Reporting Limits			0.02	0.05	0.05	0.15	10	

**** indicates additional analysis required for accurate results; update report will be sent

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"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS: 65% TO 135%

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Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	10/7/2010	10/7/2010	nd	nd	nd	nd	nd	99
LCS	10/7/2010	10/7/2010	100%	69%	73%	78%	64%	90
EX1-28-.95	10/7/2010	10/7/2010	nd	nd	nd	nd	12	99
EX1-29-9.5	10/7/2010	10/7/2010	nd	nd	nd	nd	25	99
EX1-30-9	10/7/2010	10/7/2010	nd	nd	nd	nd	3100	101
EX1-31-5	10/7/2010	10/13/2010	nd	nd	nd	nd	nd	107
EX1-32-3	10/7/2010	10/8/2010	nd	nd	nd	nd	nd	101
EX1-33-10	10/7/2010	10/13/2010	nd	nd	nd	nd	94	106
EX1-34-9	10/7/2010	10/8/2010	nd	nd	nd	nd	18	101
EX1-35-5	10/7/2010	10/7/2010	nd	nd	nd	nd	nd	102
EX1-36-3	10/7/2010	10/12/2010	nd	nd	nd	nd	nd	98
EX1-37-6	10/7/2010	10/7/2010	nd	nd	nd	nd	nd	103
EX1-38-9	10/7/2010	10/7/2010	nd	nd	nd	nd	22	101
EX1-39-3	10/7/2010	10/12/2010	nd	nd	nd	nd	nd	102
EX1-40-10	10/7/2010	10/7/2010	nd	nd	nd	nd	20	103
EX1-41-5	10/7/2010	10/7/2010	nd	nd	nd	nd	10	104
EX1-42-3	10/8/2010	10/12/2010	nd	nd	nd	nd	nd	110
EX1-43-3	10/8/2010	10/12/2010	nd	nd	nd	nd	nd	104
EX1-44-5	10/8/2010	10/12/2010	nd	nd	nd	nd	nd	98
EX1-45-9	10/7/2010	10/7/2010	nd	nd	nd	nd	180	103
EX1-46-3	10/8/2010	10/14/2010	nd	nd	nd	nd	nd	106
EX1-47-5	10/8/2010	10/12/2010	nd	nd	nd	nd	nd	99
EX1-48-9	10/7/2010	10/7/2010	nd	nd	nd	nd	nd	102
MS	10/7/2010	10/14/2010	115%	91%	87%	91%	---	96
MSD	10/7/2010	10/14/2010	112%	97%	91%	99%	---	99
Reporting Limits			0.02	0.05	0.05	0.15	10	

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ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS: 65% TO 135%

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Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	10/8/2010	10/8/2010	nd	nd	nd	nd	nd	99
LCS	10/8/2010	10/8/2010	112%	71%	76%	81%	---	95
EX1-49-9	10/8/2010	10/8/2010	nd	nd	nd	nd	nd	95
EX1-50-9	10/8/2010	10/8/2010	nd	nd	nd	nd	19	101
EX1-51-9	10/8/2010	10/8/2010	nd	nd	nd	nd	14	99
EX1-52-9.5	10/8/2010	10/8/2010	nd	nd	nd	nd	nd	103
EX1-52-9.5 Dup	10/8/2010	10/8/2010	nd	nd	nd	nd	nd	101
MS	10/8/2010	10/8/2010	91%	61%	66%	69%	---	95
MSD	10/8/2010	10/8/2010	72%	49%	58%	60%	---	97
Reporting Limits			0.02	0.05	0.05	0.15	10	

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Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	10/11/2010	10/11/2010	nd	nd	nd	nd	nd	87
LCS	10/11/2010	10/11/2010	125%	72%	71%	76%	---	80
EX1-53-10	10/11/2010	10/11/2010	nd	nd	nd	nd	nd	89
EX1-53-10 Dup	10/11/2010	10/14/2010	nd	nd	nd	nd	nd	99
EX1-54-10	10/11/2010	10/11/2010	nd	nd	nd	nd	nd	92
EX1-55-9.5	10/11/2010	10/11/2010	nd	nd	nd	nd	6600	83
MS	10/11/2010	10/14/2010	117%	99%	90%	99%	---	99
MSD	10/11/2010	10/14/2010	129%	102%	96%	106%	---	93
Reporting Limits			0.02	0.05	0.05	0.15	10	

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Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	10/13/2010	10/13/2010	nd	nd	nd	nd	nd	97
LCS	10/13/2010	10/13/2010	97%	90%	78%	86%	91%	103
EX1-56-10	10/13/2010	10/13/2010	nd	nd	nd	nd	nd	101
EX1-56-10 DUP	10/13/2010	10/13/2010	nd	nd	nd	nd	nd	103
EX1-57-10	10/13/2010	10/13/2010	nd	nd	nd	nd	26	102
EX1-58-10	10/13/2010	10/13/2010	nd	nd	nd	nd	nd	92
EX1-59-10	10/13/2010	10/13/2010	nd	nd	nd	nd	nd	95
EX1-60-10	10/13/2010	10/13/2010	nd	nd	nd	nd	nd	94
EX1-61-12	10/13/2010	10/13/2010	nd	nd	nd	nd	260	102
EX1-62-12	10/13/2010	10/13/2010	nd	nd	nd	nd	50	105
EX1-63-12	10/13/2010	10/13/2010	nd	nd	nd	nd	750	103
EX1-64-12	10/13/2010	10/13/2010	nd	nd	nd	nd	71	105
EX1-65-12	10/13/2010	10/13/2010	nd	nd	nd	nd	65	103
MS	10/13/2010	10/13/2010	113%	101%	93%	97%	---	105
MSD	10/13/2010	10/13/2010	100%	91%	89%	91%	---	104
Reporting Limits			0.02	0.05	0.05	0.15	10	

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ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS: 65% TO 135%

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Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	10/12/2010	10/12/2010	nd	nd	nd	nd	nd	101%
LCS	10/12/2010	10/12/2010	122%	128%	117%	115%	92%	99%
SP2-1	10/12/2010	10/12/2010	nd	nd	nd	nd	nd	97%
SP2-2	10/12/2010	10/12/2010	nd	nd	nd	nd	nd	106%
SP2-3	10/12/2010	10/12/2010	nd	nd	nd	nd	nd	97%
Reporting Limits			0.005	0.005	0.005	0.005	5	

"—" Indicates not tested for component.

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS : 65% TO 135%

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Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	10/12/2010	10/12/2010	nd	nd	nd	nd	nd	101%
LCS	10/12/2010	10/12/2010	122%	128%	117%	115%	92%	99%
SP-2-4	10/12/2010	10/12/2010	nd	nd	nd	nd	nd	99%
SP-2-5	10/12/2010	10/12/2010	nd	nd	nd	nd	nd	102%
SP-3-1	10/12/2010	10/12/2010	nd	nd	nd	nd	nd	103%
SP-3-2	10/12/2010	10/12/2010	nd	nd	nd	nd	nd	99%
SP-3-3	10/12/2010	10/12/2010	nd	nd	nd	nd	nd	105%
SP-3-3dup	10/12/2010	10/12/2010	nd	nd	nd	nd	nd	108%
SP-3-4	10/12/2010	10/12/2010	nd	nd	nd	nd	nd	104%
SP-3-5	10/12/2010	10/12/2010	nd	nd	nd	nd	nd	102%
Reporting Limits			0.005	0.005	0.005	0.005	5	

"---" Indicates not tested for component.

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS : 65% TO 135%

CHAIN-OF-CUSTODY RECORD

CLIENT: SAC/ Chevron
 ADDRESS: 101 Mulford Road, Toledo, WA
 PHONE: 425-482-3321 FAX: 425-485-5566
 CLIENT PROJECT #: 211556 PROJECT MANAGER: Petula Head

DATE: 10/14/10 PAGE: 1 OF 1
 PROJECT NAME: Toledo 211556
 LOCATION: Toledo, WA
 COLLECTOR: G. CISNEROS DATE OF COLLECTION: 10/1

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES											Total Number of Containers	Laboratory Note Number		
					TPH-DIESEL & OIL	TPH-GASOLINE	BTEX	VOC 8280	VOC 8280CL	PAH's 870	PCB's 802	PCB's 870	TCRA & Metals	PCRA 8 Metals	Asbestos-PLM			DRO suite	WO suite
1. SP-4-1	N/A	096	Soil	402	X	X	X												10/14/10 Lower Limits
2. SP-4-2	N/A	097	"	"															10/14/10 Section
3. SP-4-3	N/A	0920	"	"															10/14/10 Limits
4. EX2-1-8.5	8.5	1450	"	"															10/13/10
5. EX2-2-8.5	8.5	0930	"	"															10/14/10
6. EX2-3-5	5	0935	"	"															10/14/10
7. EX2-4-3	3	0940	"	"															
8. EX2-5-8.5	8.5	1030	"	"															
9. EX2-6-5	5	1035	"	"															
10. EX2-7-3	3	1040	"	"															
11. EX2-8-8.5	8.5	1200	"	"															
12. EX2-9-5	5	1205	"	"															
13. EX2-10-3	3	1210	"	"															
14. EX2-11-8.5	8.5	1220	"	"															
15. EX2-12-5	5	1225	"	"															
16. EX2-13-3	3	1230	"	"															
17. EX2-14-9.5	9.5	1450	"	"															
18. SP-4-4	N/A	1400	"	"															Do LAST 10/14/10 Lower Deficit

LABORATORY NOTES:

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/A

SEALS INTACT? Y/N/A

RECEIVED GOOD COND./COLD

NOTES:

REQUISITIONED BY (Signature) DATE/TIME RECEIVED BY (Signature) DATE/TIME

REQUISITIONED BY (Signature) DATE/TIME RECEIVED BY (Signature) DATE/TIME

10/14/10 1723 10/14/10

CHAIN-OF-CUSTODY RECORD

CLIENT: Foted SAC/chevron
 ADDRESS: 101 Mulford Road, Toledo wa
 PHONE: 425-482-3321 FAX: 425-485-5566
 CLIENT PROJECT #: Z11556 PROJECT MANAGER: P. Cattrall

DATE: 10/15/10 PAGE 1 OF 1
 PROJECT NAME: Toledo Former Texaco Station #Z11556
 LOCATION: Toledo, WA
 COLLECTOR: G. Greenus DATE OF COLLECTION: 10/15/10

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES											Total Number of Containers	Laboratory Note Number								
					TRIHYD	DIESEL & OIL	BTEX	VOC B200	VOC B20CL	Semivol B270	PCB's B270	PCB's B280	TCRA 8 Metals	TCGA 5 Metals	Pb			Asbestos-PLM	DRO suite	DRO suite	WC suite				
1. SP-4-6	N/A	1110	Stock	40z	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
2. SP-4-7		1115	Pile	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
3. SP-4-8		1120	Soil	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
4. SP-4-9		1125	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
5. SP-4-10		1130	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
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RELINQUISHED BY (Signature): [Signature] DATE/TIME: 10/15/10 1439 RECEIVED BY (Signature): [Signature] DATE/TIME: 10/15/10
 RELINQUISHED BY (Signature): [Signature] DATE/TIME: 10/15/10 1439 RECEIVED BY (Signature): [Signature] DATE/TIME: 10/15/10

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS: _____
 CHAIN OF CUSTODY SEALS Y/N/A: _____
 SEALS INTACT? Y/N/A: _____
 RECEIVED GOOD COND./COLD: _____

LABORATORY NOTES:

PLEASE HAVE
 Lab Detection
 Limits below
 these #'s: mg/kg
 G < 5
 D < 25
 O < 60
 BTEX < 0.005

Turn Around Time: 24 HR 48 HR 5 DAY

SAMPLE DISPOSAL INSTRUCTIONS

ESN DISPOSAL @ \$2.00 each Return Pickup

CHAIN-OF-CUSTODY RECORD

CLIENT: SAC DATE: 10-18-10 PAGE OF

ADDRESS: _____ PROJECT NAME: Toledo

PHONE: _____ LOCATION: _____

CLIENT PROJECT #: _____ PROJECT MANAGER: Michael Cisneros COLLECTOR: _____

FAX: _____ DATE OF COLLECTION: _____

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES											Total Number of Containers	Laboratory Note Number		
					TPH-DIESEL & OIL	BTEX	VOC 826CL	Semivol 8270	PCB's 8270	CL pesticides 8082	PCRA 8 Metals	MTCA 5 Metals	Pb	Asbestos-PLM	GRO suite			DRO suite	MO suite
1. EXZ-15-3		1315	soil	40Z	X	X	X	X	X	X	X	X	X	X	X	X	X		
2. EXZ-16-5		1330			X	X	X	X	X	X	X	X	X	X	X	X	X		
3. EXZ-17-8.5		1335			X	X	X	X	X	X	X	X	X	X	X	X	X		
4. EXZ-19-5		1355			X	X	X	X	X	X	X	X	X	X	X	X	X		
5. EXZ-20-8.5		1400			X	X	X	X	X	X	X	X	X	X	X	X	X		
6. EXZ-21-3		1410			X	X	X	X	X	X	X	X	X	X	X	X	X		
7. EXZ-22-5		1415			X	X	X	X	X	X	X	X	X	X	X	X	X		
8. EXZ-18-3		1330			X	X	X	X	X	X	X	X	X	X	X	X	X		
9. EXZ-23-3		1430			X	X	X	X	X	X	X	X	X	X	X	X	X		
10. EXZ-24-5		1435			X	X	X	X	X	X	X	X	X	X	X	X	X		
11. EXZ-25-8.5		1440			X	X	X	X	X	X	X	X	X	X	X	X	X		
12. EXZ-6W		1500	W	ANALYZERS	X	X	X	X	X	X	X	X	X	X	X	X	X		
13. SP-S-1		1517	S	40Z	X	X	X	X	X	X	X	X	X	X	X	X	X		
14. SP-S-2		1520			X	X	X	X	X	X	X	X	X	X	X	X	X		
15. SP-S-3		1523			X	X	X	X	X	X	X	X	X	X	X	X	X		
16.																			
17.																			
18.																			

RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____ DATE/TIME _____

RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____ DATE/TIME _____

SAMPLE DISPOSAL INSTRUCTIONS

ESN DISPOSAL @ \$2.00 each Return Pickup

TOTAL NUMBER OF CONTAINERS _____

CHAIN OF CUSTODY SEALS Y/N/A _____

SEALS INTACT? Y/N/A _____

RECEIVED GOOD COND./COLD _____

NOTES: _____

LABORATORY NOTES: _____

Turn Around Time: 24 HR 48 HR 5 DAY



CHAIN-OF-CUSTODY RECORD

CLIENT: SATIC DATE: 10-19-10 PAGE 1 OF 1
 ADDRESS: _____ PROJECT NAME: _____
 PHONE: _____ LOCATION: _____ COLLECTOR: _____
 _____ PROJECT MANAGER: _____ DATE OF COLLECTION: _____

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES										Notes	Total Number of Containers	Laboratory Note Number
					TRICHLOROETHYLENE	TRICHLOROETHYLENE	TRICHLOROETHYLENE	TRICHLOROETHYLENE	TRICHLOROETHYLENE	TRICHLOROETHYLENE	TRICHLOROETHYLENE	TRICHLOROETHYLENE	TRICHLOROETHYLENE	TRICHLOROETHYLENE			
1. EXZ-26-8.5		830	45	402	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
2. EXZ-27-3		905			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3. EXZ-30-3		920			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
4. EXZ-31-5		925			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
5. EXZ-32-8.5		930			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
6. EXZ-28-5		910			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
7. EXZ-29-8.5		915			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
8. SP4-11		1440			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
9. SP4-12		1445			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
10.																	
11.																	
12.																	
13.																	
14.																	
15.																	
16.																	
17.																	
18.																	

RELINQUISHED BY (Signature) **RECEIVED BY (Signature)** **DATE/TIME** **DATE/TIME**
RECEIVED BY (Signature) **RECEIVED BY (Signature)** **DATE/TIME** **DATE/TIME**

SAMPLE DISPOSAL INSTRUCTIONS
 ESN DISPOSAL @ \$2.00 each Return Pickup

LABORATORY NOTES:
 TOTAL NUMBER OF CONTAINERS _____
 CHAIN OF CUSTODY SEALS Y/N/A _____
 SEALS INTACT? Y/N/A _____
 RECEIVED GOOD COND./COLD _____
 NOTES: _____

Turn Around Time: 24 HR 48 HR 5 DAY

ESN NORTHWEST CHEMISTRY LABORATORY

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TOLEDO PROJECT
Toledo, Washington

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Olympia, WA 98501
(360) 459-4670 (360) 459-3432 Fax
lab@esnw.com

Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	10/15/2010	10/15/2010	nd	nd	nd	nd	nd	107
LCS	10/15/2010	10/15/2010	131%	110%	95%	103%	92%	96
EX2-1-8.5	10/15/2010	10/15/2010	nd	nd	nd	nd	nd	104
EX2-2-8.5	10/15/2010	10/15/2010	nd	nd	nd	nd	nd	97
EX2-3-5	10/15/2010	10/18/2010	nd	nd	nd	nd	nd	106
EX2-4-3	10/15/2010	10/18/2010	nd	nd	nd	nd	nd	108
EX2-5-8.5	10/15/2010	10/18/2010	nd	nd	nd	nd	nd	99
EX2-5-8.5 Dup	10/15/2010	10/21/2010	nd	nd	nd	nd	nd	81
EX2-6-5	10/15/2010	10/18/2010	nd	nd	nd	nd	nd	101
EX2-7-3	10/15/2010	10/18/2010	nd	nd	nd	nd	nd	100
EX2-8-8.5	10/15/2010	10/18/2010	nd	nd	nd	nd	nd	99
EX2-9-5	10/15/2010	10/19/2010	nd	nd	nd	nd	nd	92
EX2-10-3	10/15/2010	10/21/2010	nd	nd	nd	nd	nd	94
EX2-11-8.5	10/15/2010	10/19/2010	nd	nd	nd	nd	nd	93
EX2-12-5	10/15/2010	10/15/2010	nd	nd	nd	nd	nd	109
EX2-13-3	10/15/2010	10/21/2010	nd	nd	nd	nd	nd	100
EX2-13-3 Dup	10/15/2010	10/21/2010	nd	nd	nd	nd	nd	82
EX2-14-9.5	10/15/2010	10/15/2010	nd	nd	0.16	0.41	1800	90
MS	10/15/2010	10/15/2010	148%	113%	96%	109%	---	90
MSD	10/15/2010	10/15/2010	133%	111%	98%	110%	---	93
Reporting Limits			0.02	0.05	0.05	0.15	10	

**** indicates additional analysis required for accurate results; update report will be sent

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS: 65% TO 135%

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Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	10/19/2010	10/19/2010	nd	nd	nd	nd	nd	95
LCS	10/19/2010	10/21/2010	133%	132%	131%	130%	90%	100
EX2-15-3	10/19/2010	10/21/2010	nd	nd	nd	nd	nd	79
EX2-15-3 Dup	10/19/2010	10/21/2010	nd	nd	nd	nd	nd	82
EX2-16-5	10/19/2010	10/21/2010	nd	nd	nd	nd	nd	102
EX2-17-8.5	10/19/2010	10/19/2010	nd	nd	nd	nd	nd	89
EX2-18-3	10/19/2010	10/21/2010	nd	nd	nd	nd	nd	73
EX2-19-5	10/19/2010	10/21/2010	nd	nd	nd	nd	nd	104
EX2-20-8.5	10/19/2010	10/19/2010	nd	nd	nd	nd	nd	93
EX2-21-3	10/19/2010	10/21/2010	nd	nd	nd	nd	nd	83
EX2-22-5	10/19/2010	10/21/2010	nd	nd	nd	nd	nd	102
EX2-23-3	10/19/2010	10/21/2010	nd	nd	nd	nd	nd	73
EX2-24-5	10/19/2010	10/21/2010	nd	nd	nd	nd	nd	104
EX2-25-8.5	10/19/2010	10/19/2010	nd	nd	nd	nd	nd	99
EX2-26-8.5	10/19/2010	10/19/2010	nd	nd	nd	nd	nd	96
EX2-27-3	10/20/2010	10/21/2010	nd	nd	nd	nd	nd	83
EX2-28-5	10/19/2010	10/21/2010	nd	nd	nd	nd	nd	102
EX2-29-8.5	10/19/2010	10/19/2010	nd	nd	nd	nd	nd	97
EX2-30-3	10/20/2010	10/21/2010	nd	nd	nd	nd	nd	69
EX2-31-5	10/19/2010	10/21/2010	nd	nd	nd	nd	nd	101
EX2-32-8.5	10/19/2010	10/19/2010	nd	nd	nd	nd	nd	96
MS	10/19/2010	10/21/2010	118%	113%	92%	89%	---	97
MSD	10/19/2010	10/21/2010	109%	96%	84%	78%	---	96
Reporting Limits			0.02	0.05	0.05	0.15	10	

**** indicates additional analysis required for accurate results; update report will be sent
 "nd" Indicates not detected at the listed detection limits.
 "int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorbenzene) & LCS: 65% TO 135%

ESN NORTHWEST CHEMISTRY LABORATORY

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Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	10/21/2010	10/22/2010	nd	nd	nd	nd	nd	105
LCS	10/21/2010	10/22/2010	178%	138%	126%	81%	94%	100
EX2-33-10.5	10/21/2010	10/22/2010	nd	0.06	nd	0.18	29	115
EX2-34-10.5	10/21/2010	10/22/2010	nd	nd	nd	0.11	29	106
EX2-35-10.5	10/21/2010	10/22/2010	nd	0.08	1.1	4.4	980	101
EX2-36-10.5	10/21/2010	10/22/2010	nd	nd	nd	nd	22	106
EX2-37-10.5	10/21/2010	10/22/2010	nd	nd	nd	nd	22	102
EX2-37-10.5 Dup	10/21/2010	10/22/2010	nd	nd	nd	nd	27	101
MS	10/21/2010	10/22/2010	140%	112%	111%	71%	---	103
MSD	10/21/2010	10/22/2010	154%	124%	132%	90%	---	106
Reporting Limits			0.02	0.05	0.05	0.15	10	

**** indicates additional analysis required for accurate results; update report will be sent

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS: 65% TO 135%

ESN NORTHWEST CHEMISTRY LABORATORY

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Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	10/15/2010	10/15/2010	nd	nd	nd	nd	nd	107
LCS	10/15/2010	10/15/2010	131%	110%	95%	103%	92%	96
SP-4-1	10/15/2010	10/15/2010	nd	nd	nd	nd	nd	100
SP-4-2	10/15/2010	10/15/2010	nd	nd	nd	nd	nd	99
SP-4-3	10/15/2010	10/15/2010	nd	nd	nd	nd	nd	98
SP-4-4	10/15/2010	10/15/2010	nd	nd	nd	nd	nd	97
SP-4-5	10/15/2010	10/15/2010	nd	nd	nd	nd	nd	105
SP-4-6	10/15/2010	10/18/2010	nd	nd	nd	nd	nd	100
SP-4-6	10/15/2010	10/18/2010	nd	nd	nd	nd	nd	100
SP-4-7	10/15/2010	10/18/2010	nd	nd	nd	nd	nd	104
SP-4-8	10/15/2010	10/18/2010	nd	nd	nd	nd	nd	97
SP-4-9	10/15/2010	10/18/2010	nd	nd	nd	nd	nd	89
SP-4-10	10/15/2010	10/18/2010	nd	nd	nd	nd	nd	97
MS	10/15/2010	10/15/2010	148%	113%	96%	109%	---	90
MSD	10/15/2010	10/15/2010	133%	111%	98%	110%	---	93
Reporting Limits			0.005	0.005	0.005	0.005	5	

**** indicates additional analysis required for accurate results; update report will be sent

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS: 65% TO 135%

ESN NORTHWEST CHEMISTRY LABORATORY

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TOLEDO PROJECT
Client Project #21556
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Olympia, WA 98501
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lab@esnnw.com

Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	10/21/2010	10/21/2010	nd	nd	nd	nd	nd	94%
LCS	10/21/2010	10/21/2010	133%	132%	131%	130%	106%	100%
SP4-11	10/19/2010	10/21/2010	nd	nd	nd	nd	nd	94%
SP4-12	10/19/2010	10/21/2010	nd	nd	nd	nd	nd	95%
Reporting Limits			0.02	0.05	0.05	0.15	10	

"--" Indicates not tested for component.

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS : 65% TO 135%

ESN NORTHWEST CHEMISTRY LABORATORY

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Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	10/19/2010	10/19/2010	nd	nd	nd	nd	nd	95
LCS	10/19/2010	10/21/2010	133%	132%	131%	130%	90%	100
SP-5-1	10/19/2010	10/19/2010	nd	nd	nd	nd	nd	93
SP-5-2	10/19/2010	10/19/2010	nd	nd	nd	nd	nd	97
SP-5-3	10/19/2010	10/19/2010	nd	nd	nd	nd	nd	92
SP-5-3 Dup	10/19/2010	10/19/2010	nd	nd	nd	nd	nd	81
MS	10/19/2010	10/21/2010	118%	113%	92%	89%	---	97
MSD	10/19/2010	10/21/2010	109%	96%	84%	78%	---	96
Reporting Limits			0.005	0.005	0.005	0.005	5	

**** indicates additional analysis required for accurate results; update report will be sent

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS: 65% TO 135%

ESN NORTHWEST CHEMISTRY LABORATORY

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Analysis of Gasoline Range Organics, BTEX in Water by Method NWTPH-Gx/8260

Sample Number	Date Analyzed	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Gasoline Range Organic (ug/L)	Surrogate Recovery (%)
Method Blank	10/22/2010	nd	nd	nd	nd	nd	115
LCS	10/22/2010	134%	117%	121%	89%	86%	100
EX2-GW	10/21/2010	nd	nd	28	160	6600	71
MS	10/22/2010	129%	119%	int	int	---	105
MSD	10/22/2010	145%	133%	int	int	---	108%
Reporting Limits		1.0	1.0	1.0	3.0	100	

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS: 65% TO 135%

ESN NORTHWEST CHEMISTRY LABORATORY

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Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/15/2010	10/15/2010	97	nd	nd
EX2-1-8.5	10/15/2010	10/15/2010	102	nd	nd
EX2-2-8.5	10/15/2010	10/15/2010	98	nd	nd
EX2-3-5	10/15/2010	10/15/2010	103	nd	nd
EX2-4-3	10/15/2010	10/15/2010	121	nd	nd
EX2-5-8.5	10/15/2010	10/15/2010	102	nd	nd
EX2-5-8.5	10/15/2010	10/15/2010	127	nd	nd
EX2-6-5	10/15/2010	10/15/2010	105	nd	nd
EX2-7-3	10/15/2010	10/15/2010	113	nd	nd
EX2-8-8.5	10/15/2010	10/18/2010	90	nd	nd
EX2-9-5	10/15/2010	10/18/2010	101	nd	nd
EX2-10-3	10/15/2010	10/18/2010	95	nd	nd
EX2-11-8.5	10/15/2010	10/18/2010	97	nd	nd
EX2-12-5	10/15/2010	10/18/2010	92	nd	nd
EX2-13-3	10/15/2010	10/18/2010	102	nd	nd
EX2-13-3 Dup	10/15/2010	10/18/2010	102	nd	nd
EX2-14-9.5	10/15/2010	10/15/2010	124	nd	nd

Reporting Limits

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

ESN NORTHWEST CHEMISTRY LABORATORY

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 lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/19/2010	10/19/2010	103	nd	nd
EX2-15-3	10/19/2010	10/19/2010	98	nd	nd
EX2-15-3 Dup	10/19/2010	10/19/2010	87	nd	nd
EX2-16-5	10/19/2010	10/19/2010	97	nd	nd
EX2-17-8.5	10/19/2010	10/19/2010	92	nd	nd
EX2-18-3	10/19/2010	10/19/2010	103	nd	nd
EX2-19-5	10/19/2010	10/19/2010	96	nd	nd
EX2-20-8.5	10/19/2010	10/19/2010	93	nd	nd
EX2-21-3	10/19/2010	10/19/2010	102	nd	nd
EX2-22-5	10/19/2010	10/19/2010	109	nd	nd
EX2-23-3	10/19/2010	10/19/2010	101	nd	nd
EX2-24-5	10/19/2010	10/19/2010	102	nd	nd
EX2-25-8.5	10/19/2010	10/19/2010	100	nd	nd
EX2-26-8.5	10/19/2010	10/19/2010	105	nd	nd
EX2-28-5	10/19/2010	10/19/2010	101	nd	nd
EX2-29-8.5	10/19/2010	10/19/2010	101	nd	nd
EX2-31-5	10/19/2010	10/19/2010	102	nd	nd
EX2-32-8.5	10/19/2010	10/19/2010	101	nd	nd
Reporting Limits				50	100

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

ESN NORTHWEST CHEMISTRY LABORATORY

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1210 Eastside Street SE Suite 200
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(360) 459-4670 (360) 459-3432 Fax
lab@esnsw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/20/2010	10/20/2010	105	nd	nd
EX2-27-3	10/20/2010	10/20/2010	94	nd	nd
EX2-30-3	10/20/2010	10/20/2010	90	nd	nd
EX2-30-3 Dup	10/20/2010	10/20/2010	98	nd	nd
Reporting Limits				50	100

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

ESN NORTHWEST CHEMISTRY LABORATORY

SAIC
TOLEDO PROJECT
Toledo, Washington

ESN Northwest
1210 Eastside Street SE Suite 200
Olympia, WA 98501
(360) 459-4670 (360) 459-3432 Fax
lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/21/2010	10/25/2010	109	nd	nd
EX2-33-10.5	10/21/2010	10/25/2010	99	nd	nd
EX2-34-10.5	10/21/2010	10/25/2010	133	nd	nd
EX2-35-10.5	10/21/2010	10/25/2010	89	nd	nd
EX2-36-10.5	10/21/2010	10/25/2010	82	nd	nd
EX2-37-10.5	10/21/2010	10/25/2010	90	nd	nd
EX2-37-10.5 DUP	10/21/2010	10/25/2010	105	nd	nd
Reporting Limits				50	100

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

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Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/15/2010	10/15/2010	97	nd	nd
SP4-1	10/15/2010	10/15/2010	60	nd	nd
SP4-2	10/15/2010	10/15/2010	89	nd	nd
SP4-3	10/15/2010	10/15/2010	71	nd	nd
SP4-4	10/15/2010	10/15/2010	101	nd	nd
SP4-5	10/15/2010	10/15/2010	106	nd	nd
SP4-6	10/15/2010	10/18/2010	91	nd	nd
SP4-7	10/15/2010	10/15/2010	83	nd	nd
SP4-7 Dup	10/15/2010	10/18/2010	84	nd	nd
SP4-8	10/15/2010	10/18/2010	90	nd	nd
SP4-9	10/15/2010	10/18/2010	111	nd	91
SP4-10	10/15/2010	10/15/2010	94	nd	67
Reporting Limits				25	60

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

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Toledo, Washington

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Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/20/2010	10/20/2010	105	nd	nd
SP4-11	10/20/2010	10/20/2010	99	nd	nd
SP4-12	10/20/2010	10/20/2010	104	nd	nd
Reporting Limits				25	60

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

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Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	10/19/2010	10/19/2010	103	nd	nd
SP-5-1	10/19/2010	10/19/2010	103	nd	nd
SP-5-2	10/19/2010	10/19/2010	98	nd	nd
SP-5-3	10/19/2010	10/19/2010	106	nd	nd
sp-5-3 Dup	10/19/2010	10/19/2010	87	nd	nd
Reporting Limits				25	60

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

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Toledo, Washington

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lab@esnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Water by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (ug/L)	Lube Oil Range Organics (ug/L)
Method Blank	10/20/2010	10/20/2010	100	nd	nd
EX2-GW	10/20/2010	10/20/2010	100	nd	nd
Reporting Limits				250	500

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

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TOLEDO PROJECT
Toledo, Washington

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Olympia, WA 98501
(360) 459-4670 (360) 459-3432 Fax
lab@esnnw.com

Analyses of Gasoline Range Organics in Soil by Method NWTPH-Gx

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Gasoline Range Organics (mg/kg)
Method Blank	10/14/2010	10/14/2010	101%	nd
LCS	10/14/2010	10/14/2010	105%	95%
EX1-55-9.5	10/11/2010	10/14/2010	99%	2300
Reporting Limits				10

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE: 65% TO 135%

ESN NORTHWEST CHEMISTRY LABORATORY

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 Toledo, Washington

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Analysis of Volatile Organic Compounds in Soil by Method 8260

Analytical Results

		MTH BLK	LCS	LCS	EX1-55-9.5
Date extracted	Reporting	10/14/10	10/14/10	10/14/10	10/11/10
Date analyzed	Limits	10/14/10	10/14/10	10/14/10	10/14/10
Moisture, %	(mg/kg)				12%
1,2-Dichloroethane (EDC)	0.05	nd	85%	97%	nd
1,2-Dibromoethane (EDB)	0.01	nd	83%	97%	nd
Hexane	0.05	nd	100%	82%	2.3
Benzene	0.02	nd	93%	100%	nd
Toluene	0.05	nd	95%	96%	nd
Ethylbenzene	0.05	nd	103%	93%	nd
Xylenes	0.05	nd	100%	92%	nd
<u>Surrogate recoveries:</u>					
Dibromofluoromethane		95%	99%	97%	91%
Toluene-d8		98%	96%	94%	111%
4-Bromofluorobenzene		104%	108%	97%	98%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
 na - not analyzed
 C - coelution with sample peaks
 M - matrix interference
 J - estimated value
 Results reported on dry-weight basis
 Acceptable Recovery limits: 65% TO 135%
 Acceptable RPD limit: 35%

ESN NORTHWEST CHEMISTRY LABORATORY

SAIC
TOLEDO PROJECT
Toledo, Washington

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Analysis of Polynuclear Aromatic Hydrocarbons in Soil by Method 8270

Analytical Results

		MTH BLK	LCS	EX1-55-9.5	MS	MSD	RPD
Date extracted	Reporting	10/14/10	10/14/10	10/14/10	10/14/10	10/14/10	
Date analyzed	Limits	10/14/10	10/14/10	10/14/10	10/14/10	10/14/10	
Moisture, %	(mg/kg)			12%			
Acenaphthene	0.02	nd	115%	0.09	93%	85%	9%
Acenaphthylene	0.02	nd	101%	nd			
Anthracene	0.02	nd	124%	nd			
Benzo(a)anthracene*	0.02	nd	53%	nd			
Benzo(a)pyrene*	0.02	nd	76%	nd			
Benzo(b)fluoranthene*	0.02	nd	66%	nd			
Benzo(ghi)perylene	0.02	nd	94%	nd			
Benzo(k)fluoranthene*	0.02	nd	72%	nd			
Chrysene*	0.02	nd	116%	nd			
Dibenzo(a,h)anthracene*	0.02	nd	87%	nd			
Fluorene	0.02	nd	120%	0.21			
Fluoranthene	0.02	nd	91%	nd			
Indeno(1,2,3-cd)pyrene*	0.02	nd	59%	nd			
Naphthalene	0.02	nd	116%	nd			
1-Methylnaphthalene	0.02	nd	ns	0.43			
2-Methylnaphthalene	0.02	nd	ns	0.24			
Phenanthrene	0.02	nd	110%	0.45			
Pyrene	0.02	nd	110%	0.03	68%	71%	4%
Total Carcinogens				nd			
<u>Surrogate recoveries:</u>							
2-Fluorobiphenyl		71%	87%	87%	91%	97%	
p-Terphenyl-d14		54%	60%	66%	64%	70%	

Data Qualifiers and Analytical Comments

* - Carcinogenic Analyte
 nd - not detected at listed reporting limits
 na - not analyzed
 C - coelution with sample peaks
 M - matrix interference
 J - estimated value
 Results reported on dry-weight basis
 Acceptable Recovery limits: 50% TO 150%
 Acceptable RPD limit: 35%



CERTIFICATE OF ANALYSIS

CLIENT:	ESN Northwest 1210 Eastside St SE Olympia, WA 98501	DATE:	10/20/2010
CLIENT CONTACT:	Steve Loague	ALS JOB#:	1010094
CLIENT SAMPLE ID	EX1-55-9.5	CLIENT PROJECT:	SAIC - TOLEDO
ALS SAMPLE#:	-01	DATE RECEIVED:	10/14/2010
		COLLECTION DATE:	10/11/2010 11:50
		WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
>C8-C10 Aliphatics	NWEPH	120	5.0	1	MG/KG	10/18/2010	EBS
>C10-C12 Aliphatics	NWEPH	170	5.0	1	MG/KG	10/18/2010	EBS
>C12-C16 Aliphatics	NWEPH	500	5.0	1	MG/KG	10/18/2010	EBS
>C16-C21 Aliphatics	NWEPH	420	5.0	1	MG/KG	10/18/2010	EBS
>C21-C34 Aliphatics	NWEPH	78	5.0	1	MG/KG	10/18/2010	EBS
>C8-C10 Aromatics	NWEPH	9.0	5.0	1	MG/KG	10/18/2010	EBS
>C10-C12 Aromatics	NWEPH	58	5.0	1	MG/KG	10/18/2010	EBS
>C12-C16 Aromatics	NWEPH	190	5.0	1	MG/KG	10/18/2010	EBS
>C16-C21 Aromatics	NWEPH	400	5.0	1	MG/KG	10/18/2010	EBS
>C21-C34 Aromatics	NWEPH	62	5.0	1	MG/KG	10/18/2010	EBS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
C25	NWEPH	93.0	10/18/2010	EBS
p-Terphenyl	NWEPH	89.0	10/18/2010	EBS



CERTIFICATE OF ANALYSIS

CLIENT:	ESN Northwest 1210 Eastside St SE Olympia, WA 98501	DATE:	10/20/2010
		ALS JOB#:	1010094
CLIENT CONTACT:	Steve Loague	CLIENT PROJECT:	SAIC - TOLEDO
		WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBLK-10182010

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	ANALYSIS ANALYSIS		
					UNITS	DATE	BY
>C8-C10 Aliphatics	NWEPH	U	5.0	1	MG/KG	10/18/2010	EBS
>C10-C12 Aliphatics	NWEPH	U	5.0	1	MG/KG	10/18/2010	EBS
>C12-C16 Aliphatics	NWEPH	U	5.0	1	MG/KG	10/18/2010	EBS
>C16-C21 Aliphatics	NWEPH	U	5.0	1	MG/KG	10/18/2010	EBS
>C21-C34 Aliphatics	NWEPH	U	5.0	1	MG/KG	10/18/2010	EBS
>C8-C10 Aromatics	NWEPH	U	5.0	1	MG/KG	10/18/2010	EBS
>C10-C12 Aromatics	NWEPH	U	5.0	1	MG/KG	10/18/2010	EBS
>C12-C16 Aromatics	NWEPH	U	5.0	1	MG/KG	10/18/2010	EBS
>C16-C21 Aromatics	NWEPH	U	5.0	1	MG/KG	10/18/2010	EBS
>C21-C34 Aromatics	NWEPH	U	5.0	1	MG/KG	10/18/2010	EBS



CERTIFICATE OF ANALYSIS

CLIENT:	ESN Northwest 1210 Eastside St SE Olympia, WA 98501	DATE:	10/20/2010
CLIENT CONTACT:	Steve Loague	ALS JOB#:	1010094
		CLIENT PROJECT:	SAIC - TOLEDO
		WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R71078

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
>C8-C10 Aliphatics - BS	NWEPH	77.0			10/18/2010	EBS
>C8-C10 Aliphatics - BSD	NWEPH	80.0	3		10/18/2010	EBS
>C10-C12 Aliphatics - BS	NWEPH	83.0			10/18/2010	EBS
>C10-C12 Aliphatics - BSD	NWEPH	85.0	2		10/18/2010	EBS
>C12-C16 Aliphatics - BS	NWEPH	86.0			10/18/2010	EBS
>C12-C16 Aliphatics - BSD	NWEPH	86.0	0		10/18/2010	EBS
>C16-C21 Aliphatics - BS	NWEPH	89.0			10/18/2010	EBS
>C16-C21 Aliphatics - BSD	NWEPH	87.0	2		10/18/2010	EBS
>C21-C34 Aliphatics - BS	NWEPH	84.0			10/18/2010	EBS
>C21-C34 Aliphatics - BSD	NWEPH	82.0	2		10/18/2010	EBS
>C8-C10 Aromatics - BS	NWEPH	82.0			10/18/2010	EBS
>C8-C10 Aromatics - BSD	NWEPH	86.0	4		10/18/2010	EBS
>C10-C12 Aromatics - BS	NWEPH	84.0			10/18/2010	EBS
>C10-C12 Aromatics - BSD	NWEPH	88.0	4		10/18/2010	EBS
>C12-C16 Aromatics - BS	NWEPH	87.0			10/18/2010	EBS
>C12-C16 Aromatics - BSD	NWEPH	90.0	3		10/18/2010	EBS
>C16-C21 Aromatics - BS	NWEPH	89.0			10/18/2010	EBS
>C16-C21 Aromatics - BSD	NWEPH	90.0	1		10/18/2010	EBS
>C21-C34 Aromatics - BS	NWEPH	100			10/18/2010	EBS
>C21-C34 Aromatics - BSD	NWEPH	104	3		10/18/2010	EBS

APPROVED BY:

Laboratory Director

Date of Report: October 25, 2010
Samples Submitted: October 14, 2010
Laboratory Reference: 1010-120
Project: SAIC - TOLEDO

Case Narrative

Samples were collected on October 11, 2010 and received by the laboratory on October 14, 2010. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Volatile Petroleum Hydrocarbons Analysis

Per EPA method 5035A, samples were received by the laboratory in pre-weighed 40 ml VOA vials preserved with either Methanol or Sodium Bisulfate.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: October 25, 2010
 Samples Submitted: October 14, 2010
 Laboratory Reference: 1010-120
 Project: SAIC - TOLEDO

VOLATILE PETROLEUM HYDROCARBONS

Date Extracted: 10-20-10

Date Analyzed: 10-20-10

Matrix: Soil

Units: mg/Kg (ppm)

Lab ID: 10-120-01

Client ID: EX-1-55-9.5

VPH:	Results	PQL
Aliphatic C5-C6	ND	5.0
Aliphatic C6-C8	120	5.0
Aliphatic C8-C10	79	5.0
Aliphatic C10-C12	74	5.0
Total Aliphatic:	280	
Aromatic C8-C10	41	5.0
Aromatic C10-C12	32	5.0
Aromatic C12-C13	15	5.0
Total Aromatic:	89	
Target Analytes:		
Methyl t-butyl ether	ND	0.50
Benzene	0.42	0.020
Toluene	ND	0.50
Ethylbenzene	2.6	0.50
m,p-Xylene	1.1	0.50
o-Xylene	ND	0.50

Surrogate:	Percent Recovery	Control Limits
Fluorobenzene	88	60-126

Flags:

Date of Report: October 25, 2010
 Samples Submitted: October 14, 2010
 Laboratory Reference: 1010-120
 Project: SAIC - TOLEDO

**VOLATILE PETROLEUM HYDROCARBONS
 METHOD BLANK QUALITY CONTROL**

Date Extracted: 10-20-10
 Date Analyzed: 10-20-10

Matrix: Soil
 Units: mg/Kg (ppm)

Lab ID: MB1020S1

VPH:	Results	PQL
Aliphatic C5-C6	ND	5.0
Aliphatic C6-C8	ND	5.0
Aliphatic C8-C10	ND	5.0
Aliphatic C10-C12	ND	5.0
Total Aliphatic:	NA	
Aromatic C8-C10	ND	5.0
Aromatic C10-C12	ND	5.0
Aromatic C12-C13	ND	5.0
Total Aromatic:	NA	
Target Analytes:		
Methyl t-butyl ether	ND	0.50
Benzene	ND	0.020
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylene	ND	0.50
o-Xylene	ND	0.50

Surrogate:	Percent Recovery	Control Limits
Fluorobenzene	81	60-126

Flags:

Date of Report: October 25, 2010
 Samples Submitted: October 14, 2010
 Laboratory Reference: 1010-120
 Project: SAIC - TOLEDO

**VOLATILE PETROLEUM HYDROCARBONS
 SB/SBD QUALITY CONTROL**

Date Extracted: 10-20-10
 Date Analyzed: 10-20-10

Matrix: Soil
 Units: mg/Kg (ppm)

Spike Level (ppm): 1.00

Lab ID: SB1020S1 SBD1020S1

	Result	Percent Recovery	Result	Percent Recovery	PQL	RPD
Benzene	0.939	94	0.941	94	0.020	0
Toluene	0.952	95	0.955	96	0.50	0
Ethylbenzene	0.964	96	0.968	97	0.50	0
m,p-Xylene	0.975	98	0.977	98	0.50	0
o-Xylene	0.950	95	0.954	95	0.50	0

Surrogate:	Percent Recovery	Percent Recovery	Control Limits
Fluorobenzene	88	87	60-127



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

October 29, 2010

Project: 211556

Submittal Date: 10/19/2010
Group Number: 1216990
PO Number: 0015061243
Release Number: GILPIN
State of Sample Origin: WA

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
EX1-7-9 Grab Soil Sample	6115497
EX1-28-9.5 Grab Soil Sample	6115498
EX1-29-9.5 Grab Soil Sample	6115499
EX1-33-10 Grab Soil Sample	6115500
EX1-34-9 Grab Soil Sample	6115501
EX1-62-12 Grab Soil Sample	6115502
EX1-63-12 Grab Soil Sample	6115503
EX2-14-9.5 Grab Soil Sample	6115504

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

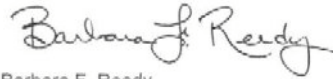
ELECTRONIC SAIC
COPY TO
ELECTRONIC SAIC
COPY TO

Attn: Mike Lange

Attn: Peter Catterall

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300 Ext. 1241

Respectfully Submitted,



Barbara F. Reedy
Senior Specialist



Analysis Report

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

Sample Description: EX1-7-9 Grab Soil Sample
Facility# 211556
101 Mulford Rd - Toledo, WA

LLI Sample # SW 6115497
LLI Group # 1216990
Account # 11255

Project Name: 211556

Collected: 10/06/2010 10:50 by GC

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 10/19/2010 09:05

Reported: 10/29/2010 09:34

MTE17

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10722	Benzo(a)anthracene	56-55-3	N.D.	0.0078	10
10722	Benzo(a)pyrene	50-32-8	N.D.	0.0078	10
10722	Benzo(b)fluoranthene	205-99-2	N.D.	0.0078	10
10722	Benzo(k)fluoranthene	207-08-9	N.D.	0.0078	10
10722	Chrysene	218-01-9	N.D.	0.0039	10
10722	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0078	10
10722	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0078	10

Reporting limits were raised due to interference from the sample matrix.

Metals SW-846 6020		mg/kg	mg/kg	
06135	Lead	7439-92-1	5.48	0.0117

Wet Chemistry SM20 2540 G		%	%	
00111	Moisture	n.a.	14.8	0.50

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

State of Washington Lab Certification No. C259
Carcinogenic PAHs have been reported for this sample

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10722	PAH SIM 8270 Soil	Microwave SW-846 8270C SIM	1	10292SLD026	10/28/2010 22:08	Barton C Conner	10
10810	BNA Soil	Microwave SIM PAH SW-846 3546	1	10292SLD026	10/19/2010 18:00	Sally L Appleyard	1
06135	Lead	SW-846 6020	1	102931026001A	10/27/2010 09:24	Choon Y Tian	2
11026	SW SW846	ICP-MS Digest SW-846 3050B	1	102931026001	10/20/2010 12:45	James L Mertz	1
00111	Moisture	SM20 2540 G	1	10293820005A	10/20/2010 18:13	Scott W Freisher	1



Analysis Report

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

Sample Description: EX1-28-9.5 Grab Soil Sample
Facility# 211556
101 Mulford Rd - Toledo, WA

LLI Sample # SW 6115498
LLI Group # 1216990
Account # 11255

Project Name: 211556

Collected: 10/07/2010 08:10 by GC

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 10/19/2010 09:05

Reported: 10/29/2010 09:34

MT128

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10722	Benzo(a)anthracene	56-55-3	0.0010	0.00084	1
10722	Benzo(a)pyrene	50-32-8	N.D.	0.00084	1
10722	Benzo(b)fluoranthene	205-99-2	0.0016	0.00084	1
10722	Benzo(k)fluoranthene	207-08-9	N.D.	0.00084	1
10722	Chrysene	218-01-9	0.0026	0.00042	1
10722	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00084	1
10722	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00084	1

Metals SW-846 6020		mg/kg	mg/kg	
06135	Lead	7439-92-1	7.91	0.0131
				2

Wet Chemistry SM20 2540 G		%	%	
00111	Moisture	n.a.	21.1	0.50
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.			

General Sample Comments

State of Washington Lab Certification No. C259
Carcinogenic PAHs have been reported for this sample

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10722	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	10292SLD026	10/28/2010 23:49	Barton C Conner	1
10810	BNA Soil Microwave SIM PAH	SW-846 3546	1	10292SLD026	10/19/2010 18:00	Sally L Appleyard	1
06135	Lead	SW-846 6020	1	102931026001A	10/27/2010 09:35	Choon Y Tian	2
11026	SW SW846 ICP-MS Digest	SW-846 3050B	1	102931026001	10/20/2010 12:45	James L Mertz	1
00111	Moisture	SM20 2540 G	1	10293820005A	10/20/2010 18:13	Scott W Freisher	1



Analysis Report

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

Page 1 of 1

Sample Description: EX1-29-9.5 Grab Soil Sample
 Facility# 211556
 101 Mulford Rd - Toledo, WA

LLI Sample # SW 6115499
 LLI Group # 1216990
 Account # 11255

Project Name: 211556

Collected: 10/07/2010 08:30 by GC

Chevron

6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Submitted: 10/19/2010 09:05

Reported: 10/29/2010 09:34

MT129

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10722	Benzo(a)anthracene	56-55-3	0.00091	0.00081	1
10722	Benzo(a)pyrene	50-32-8	0.0011	0.00081	1
10722	Benzo(b)fluoranthene	205-99-2	0.0017	0.00081	1
10722	Benzo(k)fluoranthene	207-08-9	N.D.	0.00081	1
10722	Chrysene	218-01-9	0.0014	0.00040	1
10722	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00081	1
10722	Indeno(1,2,3-cd)pyrene	193-39-5	0.00088	0.00081	1
Metals SW-846 6020			mg/kg	mg/kg	
06135	Lead	7439-92-1	11.4	0.0124	2
Wet Chemistry SM20 2540 G			%	%	
00111	Moisture	n.a.	17.2	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of Washington Lab Certification No. C259
 Carcinogenic PAHs have been reported for this sample

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10722	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	10292SLD026	10/29/2010 00:23	Barton C Conner	1
10810	BNA Soil Microwave SIM PAH	SW-846 3546	1	10292SLD026	10/19/2010 18:00	Sally L Appleyard	1
06135	Lead	SW-846 6020	1	102931026001A	10/27/2010 09:37	Choon Y Tian	2
11026	SW SW846 ICP-MS Digest	SW-846 3050B	1	102931026001	10/20/2010 12:45	James L Mertz	1
00111	Moisture	SM20 2540 G	1	10293820005A	10/20/2010 18:13	Scott W Freisher	1



Analysis Report

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

Sample Description: **EX1-33-10 Grab Soil Sample**
Facility# **211556**
101 Mulford Rd - Toledo, WA

LLI Sample # **SW 6115500**
LLI Group # **1216990**
Account # **11255**

Project Name: **211556**

Collected: 10/07/2010 10:00 by GC

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 10/19/2010 09:05

Reported: 10/29/2010 09:34

MT133

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10722	Benzo(a)anthracene	56-55-3	0.0046	0.0015	1
10722	Benzo(a)pyrene	50-32-8	N.D.	0.0015	1
10722	Benzo(b)fluoranthene	205-99-2	N.D.	0.0015	1
10722	Benzo(k)fluoranthene	207-08-9	N.D.	0.0015	1
10722	Chrysene	218-01-9	0.020	0.00074	1
10722	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0015	1
10722	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0015	1

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

Reporting limits were raised due to interference from the sample matrix.

Metals		SW-846 6020	mg/kg	mg/kg	
06135	Lead	7439-92-1	7.11	0.0113	2

Wet Chemistry		SM20 2540 G	%	%	
00111	Moisture	n.a.	10.5	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of Washington Lab Certification No. C259
Carcinogenic PAHs have been reported for this sample

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10722	PAH SIM 8270 Soil	Microwave SW-846 8270C SIM	1	10292SLD026	10/29/2010 00:57	Barton C Conner	1
10810	BNA Soil	Microwave SIM PAH SW-846 3546	1	10292SLD026	10/19/2010 18:00	Sally L Appleyard	1
06135	Lead	SW-846 6020	1	102931026001A	10/27/2010 09:43	Choon Y Tian	2
11026	SW SW846	ICP-MS Digest SW-846 3050B	1	102931026001	10/20/2010 12:45	James L Mertz	1
00111	Moisture	SM20 2540 G	1	10293820005A	10/20/2010 18:13	Scott W Freisher	1



Analysis Report

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

Sample Description: EX1-34-9 Grab Soil Sample
Facility# 211556
101 Mulford Rd - Toledo, WA

LLI Sample # SW 6115501
LLI Group # 1216990
Account # 11255

Project Name: 211556

Collected: 10/07/2010 10:15 by GC

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 10/19/2010 09:05

Reported: 10/29/2010 09:34

MT134

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10722	Benzo(a)anthracene	56-55-3	N.D.	0.00086	1
10722	Benzo(a)pyrene	50-32-8	N.D.	0.00086	1
10722	Benzo(b)fluoranthene	205-99-2	N.D.	0.00086	1
10722	Benzo(k)fluoranthene	207-08-9	N.D.	0.00086	1
10722	Chrysene	218-01-9	0.0011	0.00043	1
10722	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00086	1
10722	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00086	1

Metals SW-846 6020		mg/kg	mg/kg	
06135	Lead	7439-92-1	7.22	0.0129

Wet Chemistry SM20 2540 G		%	%	
00111	Moisture	n.a.	22.7	0.50
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.				

General Sample Comments

State of Washington Lab Certification No. C259
Carcinogenic PAHs have been reported for this sample

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10722	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	10292SLD026	10/29/2010 01:31	Barton C Conner	1
10810	BNA Soil Microwave SIM PAH	SW-846 3546	1	10292SLD026	10/19/2010 18:00	Sally L Appleyard	1
06135	Lead	SW-846 6020	1	102931026001A	10/27/2010 09:45	Choon Y Tian	2
11026	SW SW846 ICP-MS Digest	SW-846 3050B	1	102931026001	10/20/2010 12:45	James L Mertz	1
00111	Moisture	SM20 2540 G	1	10293820005A	10/20/2010 18:13	Scott W Freisher	1



Analysis Report

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

Sample Description: EX1-62-12 Grab Soil Sample
Facility# 211556
101 Mulford Rd - Toledo, WA

LLI Sample # SW 6115502
LLI Group # 1216990
Account # 11255

Project Name: 211556

Collected: 10/12/2010 13:41 by GC

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 10/19/2010 09:05

Reported: 10/29/2010 09:34

MT162

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10722	Benzo(a)anthracene	56-55-3	N.D.	0.00089	1
10722	Benzo(a)pyrene	50-32-8	0.0011	0.00089	1
10722	Benzo(b)fluoranthene	205-99-2	0.0014	0.00089	1
10722	Benzo(k)fluoranthene	207-08-9	N.D.	0.00089	1
10722	Chrysene	218-01-9	0.0034	0.00045	1
10722	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00089	1
10722	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00089	1

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

Metals SW-846 6020		mg/kg	mg/kg	
06135	Lead	7439-92-1	9.50	0.0134
				2

Wet Chemistry SM20 2540 G		%	%	
00111	Moisture	n.a.	25.5	0.50
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.			

General Sample Comments

State of Washington Lab Certification No. C259
Carcinogenic PAHs have been reported for this sample

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10722	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	10292SLD026	10/29/2010 02:06	Barton C Conner	1
10810	BNA Soil Microwave SIM PAH	SW-846 3546	1	10292SLD026	10/19/2010 18:00	Sally L Appleyard	1
06135	Lead	SW-846 6020	1	102931026001A	10/27/2010 09:47	Choon Y Tian	2
11026	SW SW846 ICP-MS Digest	SW-846 3050B	1	102931026001	10/20/2010 12:45	James L Mertz	1
00111	Moisture	SM20 2540 G	1	10293820005A	10/20/2010 18:13	Scott W Freisher	1



Analysis Report

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

Sample Description: EX1-63-12 Grab Soil Sample
Facility# 211556
101 Mulford Rd - Toledo, WA

LLI Sample # SW 6115503
LLI Group # 1216990
Account # 11255

Project Name: 211556

Collected: 10/12/2010 14:09 by GC

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 10/19/2010 09:05

Reported: 10/29/2010 09:34

MT163

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10722	Benzo(a)anthracene	56-55-3	N.D.	0.00074	1
10722	Benzo(a)pyrene	50-32-8	N.D.	0.00074	1
10722	Benzo(b)fluoranthene	205-99-2	N.D.	0.00074	1
10722	Benzo(k)fluoranthene	207-08-9	N.D.	0.00074	1
10722	Chrysene	218-01-9	0.0016	0.00037	1
10722	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00074	1
10722	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00074	1

Metals SW-846 6020		mg/kg	mg/kg	
06135	Lead	7439-92-1	6.16	0.0116

Wet Chemistry SM20 2540 G		%	%	
00111	Moisture	n.a.	10.3	0.50

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

State of Washington Lab Certification No. C259
Carcinogenic PAHs have been reported for this sample

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10722	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	10292SLD026	10/29/2010 02:39	Barton C Conner	1
10810	BNA Soil Microwave SIM PAH	SW-846 3546	1	10292SLD026	10/19/2010 18:00	Sally L Appleyard	1
06135	Lead	SW-846 6020	1	102931026001A	10/27/2010 09:48	Choon Y Tian	2
11026	SW SW846 ICP-MS Digest	SW-846 3050B	1	102931026001	10/20/2010 12:45	James L Mertz	1
00111	Moisture	SM20 2540 G	1	10293820005A	10/20/2010 18:13	Scott W Freisher	1



Analysis Report

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

Sample Description: EX2-14-9.5 Grab Soil Sample
Facility# 211556
101 Mulford Rd - Toledo, WA

LLI Sample # SW 6115504
LLI Group # 1216990
Account # 11255

Project Name: 211556

Collected: 10/14/2010 14:50 by GC

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 10/19/2010 09:05

Reported: 10/29/2010 09:34

MT214

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10722	Benzo(a)anthracene	56-55-3	0.021	0.00076	1
10722	Benzo(a)pyrene	50-32-8	0.023	0.00076	1
10722	Benzo(b)fluoranthene	205-99-2	0.026	0.00076	1
10722	Benzo(k)fluoranthene	207-08-9	0.011	0.00076	1
10722	Chrysene	218-01-9	0.023	0.00038	1
10722	Dibenz(a,h)anthracene	53-70-3	0.0025	0.00076	1
10722	Indeno(1,2,3-cd)pyrene	193-39-5	0.0090	0.00076	1
Metals SW-846 6020			mg/kg	mg/kg	
06135	Lead	7439-92-1	6.04	0.0117	2
Wet Chemistry SM20 2540 G			%	%	
00111	Moisture	n.a.	12.1	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of Washington Lab Certification No. C259
Carcinogenic PAHs have been reported for this sample

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10722	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	10292SLD026	10/29/2010 03:14	Barton C Conner	1
10810	BNA Soil Microwave SIM PAH	SW-846 3546	1	10292SLD026	10/19/2010 18:00	Sally L Appleyard	1
06135	Lead	SW-846 6020	1	102931026001A	10/27/2010 09:50	Choon Y Tian	2
11026	SW SW846 ICP-MS Digest	SW-846 3050B	1	102931026001	10/20/2010 12:45	James L Mertz	1
00111	Moisture	SM20 2540 G	1	10293820005A	10/20/2010 18:13	Scott W Freisher	1

Quality Control Summary

 Client Name: Chevron
 Reported: 10/29/10 at 09:34 AM

Group Number: 1216990

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

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 10292SLD026	Sample number(s): 6115497-6115504							
Benzo(a)anthracene	N.D.	0.00067	mg/kg	93		74-112		
Benzo(a)pyrene	N.D.	0.00067	mg/kg	81		70-109		
Benzo(b)fluoranthene	N.D.	0.00067	mg/kg	83		73-123		
Benzo(k)fluoranthene	N.D.	0.00067	mg/kg	77		65-130		
Chrysene	N.D.	0.00033	mg/kg	95		79-111		
Dibenz(a,h)anthracene	N.D.	0.00067	mg/kg	80		69-128		
Indeno(1,2,3-cd)pyrene	N.D.	0.00067	mg/kg	81		71-127		
Batch number: 102931026001A	Sample number(s): 6115497-6115504							
Lead	0.0108	0.0100	mg/kg	102		80-120		
Batch number: 10293820005A	Sample number(s): 6115497-6115504							
Moisture				100		99-101		

Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 10292SLD026	Sample number(s): 6115497-6115504 UNSPK: 6115497								
Benzo(a)anthracene	90	86	20-138	4	30				
Benzo(a)pyrene	73	68	34-156	6	30				
Benzo(b)fluoranthene	74	68	43-155	8	30				
Benzo(k)fluoranthene	70	65	49-145	7	30				
Chrysene	87	88	41-126	1	30				
Dibenz(a,h)anthracene	87	75	10-157	15	30				
Indeno(1,2,3-cd)pyrene	87	76	10-164	14	30				
Batch number: 102931026001A	Sample number(s): 6115497-6115504 UNSPK: 6115497 BKG: 6115497								
Lead	220*	185*	75-125	10	20	4.67	7.31	44*	20
Batch number: 10293820005A	Sample number(s): 6115497-6115504 BKG: P115593								
Moisture						20.1	20.2	0	15

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.

*- 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.

Quality Control Summary

Client Name: Chevron
Reported: 10/29/10 at 09:34 AM

Group Number: 1216990

Surrogate Quality Control

Analysis Name: PAH SIM 8270 Soil Microwave
Batch number: 10292SLD026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
6115497	92	94	79
6115498	115	111	86
6115499	102	104	89
6115500	246*	100	90
6115501	106	101	90
6115502	162*	103	86
6115503	110	108	91
6115504	58	100	89
Blank	106	106	98
LCS	104	109	97
MS	87	107	89
MSD	101	90	76
Limits:	53-152	52-132	51-141

*- 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.

Chevron Northwest Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct. #: 11255 Sample #: 6115497-504 SCR#:

223300

Grp # 1216990

Facility #: <u>Toledo Chevron Site No. 211556</u> Site Address: <u>101 Mulford Rd, Toledo, WA</u> Chevron PM: <u>Amy Gilpin</u> Lead Consultant: <u>SAIC</u> Consultant/Office: <u>Bothwell</u> Consultant Prj. Mgr.: <u>Peter Catterall</u> Consultant Phone #: <u>425-482-3321</u> Fax #: <u>425-485-5566</u> Sampler: <u>G. Lizneros H. Lee</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____				Matrix <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air Total Number of Containers _____		Analyses Requested <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="10">Preservation Codes</th> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>BTEX + MTBE</td> <td>8021</td> <td>8260</td> <td>Naphth</td> <td>8260 Full scan</td> <td>Oxygenates</td> <td>TPH G</td> <td>TPH D</td> <td>Extended Rng.</td> <td>Silica Gel Cleanup</td> <td>Lead Total</td> <td>Diss. Method</td> <td>VPHEPH</td> <td>NWTPH HClID</td> <td>quantification</td> </tr> <tr> <td colspan="10"></td> <td style="text-align: center; vertical-align: middle;"> Total Lead <u>6020</u> Sum PAH <u>8270</u> </td> </tr> </table>										Preservation Codes										<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BTEX + MTBE	8021	8260	Naphth	8260 Full scan	Oxygenates	TPH G	TPH D	Extended Rng.	Silica Gel Cleanup	Lead Total	Diss. Method	VPHEPH	NWTPH HClID	quantification											Total Lead <u>6020</u> Sum PAH <u>8270</u>	Preservative Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy s on highest hit <input type="checkbox"/> Run ___ oxy s on all hits	
Preservation Codes																																																																
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																						
BTEX + MTBE	8021	8260	Naphth	8260 Full scan	Oxygenates	TPH G	TPH D	Extended Rng.	Silica Gel Cleanup	Lead Total	Diss. Method	VPHEPH	NWTPH HClID	quantification																																																		
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Sample Identification			Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE	8021	8260	Naphth	8260 Full scan	Oxygenates	TPH G	TPH D	Extended Rng.	Silica Gel Cleanup	Lead Total	Diss. Method	VPHEPH	NWTPH HClID	quantification	Comments / Remarks																																					
<u>EX1-7-9</u>			<u>10/6/10</u>	<u>1050</u>	/		/																																																									
<u>EX1-28-9-5</u>			<u>10/7/10</u>	<u>0810</u>	/		/																																																									
<u>EX1-29-9-5</u>			<u>10/7/10</u>	<u>0830</u>	/		/																																																									
<u>EX1-33-10</u>			<u>10/7/10</u>	<u>1000</u>	/		/																																																									
<u>EX1-34-9</u>			<u>10/7/10</u>	<u>1015</u>	/		/																																																									

Turnaround Time Requested (TAT) (please circle) STD. TAT 72 hour 48 hour 24 hour 4 day 5 day				Relinquished by: <u>[Signature]</u> Date: <u>10/16/10</u> Time: <u>0904</u>		Received by: _____ Date: _____ Time: _____	
Data Package Options (please circle if required) QC Summary Type I - Full Type VI (Raw Data) Disk / EDD WIP (RWQCB) Standard Format Disk _____ Other.				Relinquished by: _____ Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____	
Relinquished by Commercial Carrier: UPS FedEx Other _____ Temperature Upon Receipt: <u>1.9</u> °C				Received by: <u>[Signature]</u> Date: <u>10/16/10</u> Time: <u>0906</u>		Custody Seals Intact? Yes No	

Chevron Northwest Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only 223299
 Acct. #: 11255 Sample # 6115497-504 SCR#: _____
Grp # 1216990

Facility #: <u>Toledo # 211556</u> Site Address: <u>101 Mulford Rd, Toledo, WA</u> Chevron PM: <u>Amy Gilpin</u> Lead Consultant: <u>SAIC</u> Consultant/Office: <u>Bothell, WA</u> Consultant Prj. Mgr.: <u>Peter Catterall</u> Consultant Phone #: <u>425-482-3321</u> Fax #: <u>425-485-5566</u> Sampler: <u>G. Cisneros; S. Brown</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____			Matrix <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air			Analyses Requested Preservation Codes <input type="checkbox"/> BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> TPH G <input type="checkbox"/> TPH D <input type="checkbox"/> Extended Rng. <input type="checkbox"/> Silica Gel Cleanup <input type="checkbox"/> Lead Total <input type="checkbox"/> Diss. <input checked="" type="checkbox"/> Method <u>6020</u> <input type="checkbox"/> VPHEPH <input type="checkbox"/> NWTPH H ClD <input type="checkbox"/> quantification <u>CPAHs EPA 8270c SIM</u>					Preservative Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ____ oxy s on highest hit <input type="checkbox"/> Run ____ oxy s on all hits									
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8021	8260 full scan	Oxygenates	TPH G	TPH D	Lead Total	VPHEPH	NWTPH H ClD	quantification	Comments / Remarks	
<u>EX1-62-12</u>	<u>10/12</u>	<u>1341</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<u>EX1-63-12</u>	<u>10/12</u>	<u>1409</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<u>EX2-14-9.5</u>	<u>10/14</u>	<u>1450</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Turnaround Time Requested (TAT) (please circle) <input checked="" type="radio"/> STD. TAT 72 hour 48 hour <input type="radio"/> 24 hour 4 day 5 day			Relinquished by: <u>[Signature]</u> Date: <u>10/18/10</u> Time: <u>0904</u>			Relinquished by: _____ Date: _____ Time: _____			Relinquished by: _____ Date: _____ Time: _____			Relinquished by Commercial Carrier: UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Other _____			Received by: <u>[Signature]</u> Date: <u>10/18/10</u> Time: <u>0905</u>			Temperature Upon Receipt <u>19</u> °C Custody Seals Intact? Yes <input type="checkbox"/> No <input type="checkbox"/>		
Data Package Options (please circle if required) QC Summary Type I - Full Type VI (Raw Data) Disk / EDD WIP (RWQCB) Standard Format Disk Other _____																				

Explanation of Symbols and Abbreviations

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

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

U.S. EPA CLP Data Qualifiers:

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

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

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

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, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

November 18, 2010

Peter Catterall
SAIC
18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Dear Mr. Catterall:

Please find enclosed the analytical data report for the Toledo #211556 Project located in Toledo, Washington. One soil sample was analyzed for PAH & Naphthalene by Method 8270, EDB, EDC & Hexane by Method 8260, VPH, and EPH on November 3 – 5, 2010.

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

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

Sincerely,



Michael A. Korosec
President

ESN NORTHWEST CHEMISTRY LABORATORY

SAIC
 Toledo #21556 PROJECT
 Client Project ##211556
 Toledo, WA

ESN Northwest
 1210 Eastside Street SE Suite 200
 Olympia, WA 98501
 (360) 459-4670 (360) 459-3432 Fax
 lab@esnnw.com

Analysis of Polynuclear Aromatic Hydrocarbons in Soil by Method 8270

Analytical Results

		MTH BLK	LCS	EX2-35-10.5
Date extracted	Reporting	11/03/10	11/03/10	11/03/10
Date analyzed	Limits	11/03/10	11/03/10	11/03/10
Moisture, %	(mg/kg)			37%
Benzo(a)anthracene*	0.02	nd	125%	nd
Benzo(a)pyrene*	0.02	nd	114%	nd
Benzo(b)fluoranthene*	0.02	nd	133%	nd
Benzo(k)fluoranthene*	0.02	nd	123%	nd
Chrysene*	0.02	nd	114%	nd
Dibenzo(a,h)anthracene*	0.02	nd	110%	nd
Indeno(1,2,3-cd)pyrene*	0.02	nd	110%	nd
Naphthalene	0.02	nd	116%	1.6
1-Methylnaphthalene	0.02	nd	ns	2.5
2-Methylnaphthalene	0.02	nd	ns	4.4
Total Carcinogens				nd

Surrogate recoveries:

2-Fluorobiphenyl	107%	104%	103%
p-Terphenyl-d14	108%	118%	108%

Data Qualifiers and Analytical Comments

* - Carcinogenic Analyte

nd - not detected at listed reporting limits

na - not analyzed

C - coelution with sample peaks

M - matrix interference

J - estimated value

Results reported on dry-weight basis

Acceptable Recovery limits: 50% TO 150%

Acceptable RPD limit: 35%

ns- not in the spiking solution

ESN NORTHWEST CHEMISTRY LABORATORY

SAIC
 Toledo #21556 PROJECT
 Client Project ##211556
 Toledo, WA

ESN Northwest
 1210 Eastside Street SE Suite 200
 Olympia, WA 98501
 (360) 459-4670 (360) 459-3432 Fax
 lab@esnnw.com

Analysis of Volatile Organic Compounds in Soil by Method 8260

Analytical Results

		MTH BLK	LCS	EX2-35-10.5
Date extracted	Reporting	11/03/10	11/03/10	11/03/10
Date analyzed	Limits	11/03/10	11/03/10	11/03/10
Moisture, %	(mg/kg)			37%
1,2-Dichloroethane (EDC)	0.05	nd	76%	nd
1,2-Dibromoethane (EDB)	0.01	nd	83%	nd
n-hexane	0.05	nd	74%	nd
<u>Surrogate recoveries:</u>				
Dibromofluoromethane		68%	89%	65%
Toluene-d8		94%	94%	93%
4-Bromofluorobenzene		100%	101%	100%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
 na - not analyzed
 C - coelution with sample peaks
 M - matrix interference
 J - estimated value
 Results reported on dry-weight basis
 Acceptable Recovery limits: 65% TO 135%
 Acceptable RPD limit: 35%



CERTIFICATE OF ANALYSIS

CLIENT:	ESN Northwest 1210 Eastside St SE Olympia, WA 98501	DATE:	11/16/2010
CLIENT CONTACT:	Steve Loague	ALS JOB#:	1011035
CLIENT PROJECT:	SAIC - TOLEDO / Proj #211556	ALS SAMPLE#:	-01
CLIENT SAMPLE ID	EX-2-35-10.5	DATE RECEIVED:	11/4/2010
		COLLECTION DATE:	10/20/2010 11:10
		WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Methyl T-Butyl Ether	EPA-8021	ND- H	0.65	1	MG/KG	11/11/2010	DLC
Benzene	EPA-8021	ND- H	0.50	1	MG/KG	11/11/2010	DLC
Toluene	EPA-8021	ND- H	0.50	1	MG/KG	11/11/2010	DLC
Ethylbenzene	EPA-8021	2.9 H	0.50	1	MG/KG	11/11/2010	DLC
M & P- Xylenes	EPA-8021	5.5 H	0.50	1	MG/KG	11/11/2010	DLC
O-Xylene	EPA-8021	3.0 H	0.50	1	MG/KG	11/11/2010	DLC
C5-C6 Aliphatics	NWVPH	7.3 H	5.0	1	MG/KG	11/09/2010	DLC
>C6-C8 Aliphatics	NWVPH	84 H	5.0	1	MG/KG	11/09/2010	DLC
>C8-C10 Aliphatics	NWVPH	60 H	5.0	1	MG/KG	11/09/2010	DLC
>C10-C12 Aliphatics	NWVPH	180 H	5.0	1	MG/KG	11/09/2010	DLC
>C8-C10 Aromatics	NWVPH	140 H	5.0	1	MG/KG	11/09/2010	DLC
>C10-C12 Aromatics	NWVPH	260 H	5.0	1	MG/KG	11/09/2010	DLC
>C12-C13 Aromatics	NWVPH	100 H	5.0	1	MG/KG	11/09/2010	DLC
Hexane	NWVPH	ND- H	0.33	1	MG/KG	11/11/2010	DLC
>C8-C10 Aliphatics	NWEPH	96 H	5.0	1	MG/KG	11/05/2010	EBS
>C10-C12 Aliphatics	NWEPH	93 H	5.0	1	MG/KG	11/05/2010	EBS
>C12-C16 Aliphatics	NWEPH	81 H	5.0	1	MG/KG	11/05/2010	EBS
>C16-C21 Aliphatics	NWEPH	50 H	5.0	1	MG/KG	11/05/2010	EBS
>C21-C34 Aliphatics	NWEPH	130 H	5.0	1	MG/KG	11/05/2010	EBS
>C8-C10 Aromatics	NWEPH	41 H	5.0	1	MG/KG	11/05/2010	EBS
>C10-C12 Aromatics	NWEPH	110 H	5.0	1	MG/KG	11/05/2010	EBS
>C12-C16 Aromatics	NWEPH	60 H	5.0	1	MG/KG	11/05/2010	EBS
>C16-C21 Aromatics	NWEPH	37 H	5.0	1	MG/KG	11/05/2010	EBS
>C21-C34 Aromatics	NWEPH	62 H	5.0	1	MG/KG	11/05/2010	EBS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	EPA-8021	62.8	11/11/2010	DLC
TFT - Aliphatic	NWVPH	62.0	11/09/2010	DLC
TFT - Aromatic	NWVPH	65.0	11/09/2010	DLC
TFT - Hexane	NWVPH	63.0	11/11/2010	DLC
C25	NWEPH	90.0	11/05/2010	EBS
p-Terphenyl	NWEPH	98.0	11/05/2010	EBS

H - Sample analyzed outside of hold time.

MtBE and Hexane reporting limits raised due to low percent solids in sample.



CERTIFICATE OF ANALYSIS

CLIENT:	ESN Northwest 1210 Eastside St SE Olympia, WA 98501	DATE:	11/16/2010
CLIENT CONTACT:	Steve Loague	ALS JOB#:	1011035
CLIENT PROJECT:	SAIC - TOLEDO / Proj #211556	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-R71411

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	ANALYSIS		
					UNITS	DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	0.50	1	MG/KG	11/11/2010	DLC
Benzene	EPA-8021	U	0.50	1	MG/KG	11/11/2010	DLC
Toluene	EPA-8021	U	0.50	1	MG/KG	11/11/2010	DLC
Ethylbenzene	EPA-8021	U	0.50	1	MG/KG	11/11/2010	DLC
M & P- Xylenes	EPA-8021	U	0.50	1	MG/KG	11/11/2010	DLC
O-Xylene	EPA-8021	U	0.50	1	MG/KG	11/11/2010	DLC

MBLK-1192010

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	ANALYSIS		
					UNITS	DATE	ANALYSIS BY
C5-C6 Aliphatics	NWVPH	U	5.0	1	MG/KG	11/09/2010	DLC
>C6-C8 Aliphatics	NWVPH	U	5.0	1	MG/KG	11/09/2010	DLC
>C8-C10 Aliphatics	NWVPH	U	5.0	1	MG/KG	11/09/2010	DLC
>C10-C12 Aliphatics	NWVPH	U	5.0	1	MG/KG	11/09/2010	DLC
>C8-C10 Aromatics	NWVPH	U	5.0	1	MG/KG	11/09/2010	DLC
>C10-C12 Aromatics	NWVPH	U	5.0	1	MG/KG	11/09/2010	DLC
>C12-C13 Aromatics	NWVPH	U	5.0	1	MG/KG	11/09/2010	DLC
Hexane	NWVPH	U	0.20	1	MG/KG	11/11/2010	DLC

MBLK-1152010

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	ANALYSIS		
					UNITS	DATE	ANALYSIS BY
>C8-C10 Aliphatics	NWEPH	U	5.0	1	MG/KG	11/05/2010	EBS
>C10-C12 Aliphatics	NWEPH	U	5.0	1	MG/KG	11/05/2010	EBS
>C12-C16 Aliphatics	NWEPH	U	5.0	1	MG/KG	11/05/2010	EBS
>C16-C21 Aliphatics	NWEPH	U	5.0	1	MG/KG	11/05/2010	EBS
>C21-C34 Aliphatics	NWEPH	U	5.0	1	MG/KG	11/05/2010	EBS
>C8-C10 Aromatics	NWEPH	U	5.0	1	MG/KG	11/05/2010	EBS
>C10-C12 Aromatics	NWEPH	U	5.0	1	MG/KG	11/05/2010	EBS
>C12-C16 Aromatics	NWEPH	U	5.0	1	MG/KG	11/05/2010	EBS
>C16-C21 Aromatics	NWEPH	U	5.0	1	MG/KG	11/05/2010	EBS
>C21-C34 Aromatics	NWEPH	U	5.0	1	MG/KG	11/05/2010	EBS



CERTIFICATE OF ANALYSIS

CLIENT:	ESN Northwest 1210 Eastside St SE Olympia, WA 98501	DATE:	11/16/2010
CLIENT CONTACT:	Steve Loague	ALS JOB#:	1011035
CLIENT PROJECT:	SAIC - TOLEDO / Proj #211556	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R71411 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	98.0			11/11/2010	DLC
Methyl T-Butyl Ether - BSD	EPA-8021	108	9		11/11/2010	DLC
Benzene - BS	EPA-8021	99.0			11/11/2010	DLC
Benzene - BSD	EPA-8021	105	5		11/11/2010	DLC
Toluene - BS	EPA-8021	99.0			11/11/2010	DLC
Toluene - BSD	EPA-8021	105	5		11/11/2010	DLC
Ethylbenzene - BS	EPA-8021	100			11/11/2010	DLC
Ethylbenzene - BSD	EPA-8021	106	5		11/11/2010	DLC
M & P- Xylenes - BS	EPA-8021	102			11/11/2010	DLC
M & P- Xylenes - BSD	EPA-8021	107	4		11/11/2010	DLC
O-Xylene - BS	EPA-8021	100			11/11/2010	DLC
O-Xylene - BSD	EPA-8021	106	5		11/11/2010	DLC

ALS Test Batch ID: R71408 - Soil by NWVPH

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
C5-C6 Aliphatics - BS	NWVPH	89.0			11/09/2010	DLC
C5-C6 Aliphatics - BSD	NWVPH	93.0	4		11/09/2010	DLC
>C6-C8 Aliphatics - BS	NWVPH	91.0			11/09/2010	DLC
>C6-C8 Aliphatics - BSD	NWVPH	95.0	4		11/09/2010	DLC
>C8-C10 Aliphatics - BS	NWVPH	81.0			11/09/2010	DLC
>C8-C10 Aliphatics - BSD	NWVPH	84.0	3		11/09/2010	DLC
>C10-C12 Aliphatics - BS	NWVPH	87.0			11/09/2010	DLC
>C10-C12 Aliphatics - BSD	NWVPH	86.0	1		11/09/2010	DLC
>C8-C10 Aromatics - BS	NWVPH	94.0			11/09/2010	DLC
>C8-C10 Aromatics - BSD	NWVPH	99.0	5		11/09/2010	DLC
>C10-C12 Aromatics - BS	NWVPH	89.0			11/09/2010	DLC
>C10-C12 Aromatics - BSD	NWVPH	87.0	2		11/09/2010	DLC
>C12-C13 Aromatics - BS	NWVPH	88.0			11/09/2010	DLC
>C12-C13 Aromatics - BSD	NWVPH	86.0	2		11/09/2010	DLC
Hexane - BS	NWVPH	91.0			11/11/2010	DLC
Hexane - BSD	NWVPH	94.0	3		11/11/2010	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	ESN Northwest 1210 Eastside St SE Olympia, WA 98501	DATE:	11/16/2010
CLIENT CONTACT:	Steve Loague	ALS JOB#:	1011035
CLIENT PROJECT:	SAIC - TOLEDO / Proj #211556	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R71406 - Soil by NWEPH

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
>C8-C10 Aliphatics - BS	NWEPH	86.0			11/05/2010	EBS
>C8-C10 Aliphatics - BSD	NWEPH	86.0	0		11/05/2010	EBS
>C10-C12 Aliphatics - BS	NWEPH	91.0			11/05/2010	EBS
>C10-C12 Aliphatics - BSD	NWEPH	90.0	1		11/05/2010	EBS
>C12-C16 Aliphatics - BS	NWEPH	95.0			11/05/2010	EBS
>C12-C16 Aliphatics - BSD	NWEPH	92.0	3		11/05/2010	EBS
>C16-C21 Aliphatics - BS	NWEPH	96.0			11/05/2010	EBS
>C16-C21 Aliphatics - BSD	NWEPH	92.0	4		11/05/2010	EBS
>C21-C34 Aliphatics - BS	NWEPH	92.0			11/05/2010	EBS
>C21-C34 Aliphatics - BSD	NWEPH	96.0	4		11/05/2010	EBS
>C8-C10 Aromatics - BS	NWEPH	84.0			11/05/2010	EBS
>C8-C10 Aromatics - BSD	NWEPH	82.0	2		11/05/2010	EBS
>C10-C12 Aromatics - BS	NWEPH	83.0			11/05/2010	EBS
>C10-C12 Aromatics - BSD	NWEPH	81.0	2		11/05/2010	EBS
>C12-C16 Aromatics - BS	NWEPH	85.0			11/05/2010	EBS
>C12-C16 Aromatics - BSD	NWEPH	83.0	2		11/05/2010	EBS
>C16-C21 Aromatics - BS	NWEPH	87.0			11/05/2010	EBS
>C16-C21 Aromatics - BSD	NWEPH	86.0	1		11/05/2010	EBS
>C21-C34 Aromatics - BS	NWEPH	84.0			11/05/2010	EBS
>C21-C34 Aromatics - BSD	NWEPH	82.0	2		11/05/2010	EBS

APPROVED BY:


 Laboratory Director

CHAIN-OF-CUSTODY RECORD

CLIENT: SAIL Chevron
 ADDRESS: 101 Mulford Road, Toledo, WA
 PHONE: 425-482-3321 FAX: 425-485-5566
 CLIENT PROJECT #: 211556 PROJECT MANAGER: Peter Caffrey

DATE: 10/20/10 PAGE 1 OF 1
 PROJECT NAME: Toledo #211556
 LOCATION: Toledo, WA
 COLLECTOR: G. Cisneros, H. Lee DATE OF COLLECTION: 10/20/10

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES																Total Number of Containers	Laboratory Note Number						
					TPH-HCID	TPH - DIESEL & OIL	TPH - GASOLINE	BTEX	VOC 8260CL	VOC 8260	SemVol 8270	PAH's 8270	PCB's 8082	CL Pesticides 8081	RCRA 8 Metals	MTCA 5 Metals	Pb	Asbestos-PLM	GRO Suite	DRO Suite			WO Suite	KC	VH1	EPK		
1. EX2-33-10.5	10.5	1045	soil	4oz	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
2. EX2-34-10.5		1050			/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
3. EX2-35-10.5		1110			/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	X	can be run best
4. EX2-36-10.5		1115			/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
5. EX2-37-10.5		1120			/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
6.					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
7.					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
8.					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
9.					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
10.					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
11.					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
12.					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
13.					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
14.					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
15.					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
16.					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
17.					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
18.					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		

RELINQUISHED BY (Signature) [Signature] DATE/TIME 10/20/10 13:00
 RECEIVED BY (Signature) [Signature] DATE/TIME 10:20:10 13:00

SAMPLE RECEIPT
 TOTAL NUMBER OF CONTAINERS
 CHAIN OF CUSTODY SEALS Y/N/A
 SEALS INTACT? Y/N/A
 RECEIVED GOOD COND./COLD

LABORATORY NOTES:
Analysis added by Gabe 11/3/10

SAMPLE DISPOSAL INSTRUCTIONS
 ESN DISPOSAL @ \$2.00 each Return Pickup

NOTES:
 Turn Around Time: 24 HR 48 HR 5 DAY

Appendix B:
Trucking Tickets



3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Ticket# 1249976

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/11/2010 Vehicle# 1
 Payment Type Credit Account Container
 Manual Ticket# Driver brock
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Volume

Time	Scale	Operator	Inbound	Gross	104540 lb*
In 10/11/2010 11:11:39	Inbound_1	sdm		Tare	39100 lb*
Out 10/11/2010 11:11:39		sdm		Net	65440 lb
		* Manual Weight		Tons	32.72

Comments REPLACEMENT TICKET FOR TICKET # 1249164

Consumer Comments? We want to know. Please call.

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	32.72	Tons	32.50		\$1063.40	LEWIS
2 ENVFEE\$4.23-Env Fe	100	32.72	Tons	4.23		\$138.41	LEWIS
3 TRANSFEE\$19.55-TRA	100	32.72	Tons	19.55		\$639.68	LEWIS

Total Tax
 Total Ticket \$1841.49

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249154

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier KISSLER TRUCKING
 Ticket Date 10/11/2010 Vehicle# 6 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver ANTHONY
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest NA
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	108240 lb*
In 10/11/2010 10:31:49	Inbound 2	sda		Tare	38600 lb
Out 10/11/2010 10:54:47	Outbound	ajm		Net	69640 lb
		* Manual Weight		Tons	34.82

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pat-RGC- 100		34.82	Tons	32.50		\$1131.65	LEWIS
2 AF1-Approval Fee S 100		1	Each	35.00		\$35.00	LEWIS
3 ENVFEE\$4.23-Env Fe 100		34.82	Tons	4.23		\$147.29	LEWIS
4 TRANSFEE\$19.55-TRA 100		34.82	Tons	19.55		\$680.73	LEWIS

Total Tax
 Total Ticket \$1994.67

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249155

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier KISSLER TRUCKING
 Ticket Date 10/11/2010 Vehicle# 5 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JARROD
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest NA
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	106160 lb*
In 10/11/2010 10:33:19	Inbound 2	sdm		Tare	37980 lb
Out 10/11/2010 10:57:47	Outbound	ajm		Net	68180 lb
		* Manual Weight		Tons	34.09

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		34.09	Tons	32.50		\$1107.93	LEWIS
2 ENVFEE\$4.23-Env Fe 100		34.09	Tons	4.23		\$144.20	LEWIS
3 TRANSFEE\$19.55-TRA 100		34.09	Tons	19.55		\$666.46	LEWIS

Total Tax
 Total Ticket \$1918.59

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249157

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier KISSLER TRUCKING
 Ticket Date 10/11/2010 Vehicle# 4 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JOSH
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest NA
 Destination Grid
 PO 50#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	105100 lb*
In 10/11/2010 10:44:01	Inbound 2	sdm		Tare	38840 lb
Out 10/11/2010 11:02:09	Outbound	ajm		Net	66260 lb
		* Manual Weight		Tons	33.13

Comments

Consumer Comments? We want to know. Please call.

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		33.13	Tons	32.50		\$1076.73	LEWIS
2 ENVFEE#4.23-Env Fe 100		33.13	Tons	4.23		\$140.14	LEWIS
3 TRANSFEE#19.55-TRA 100		33.13	Tons	19.55		\$647.69	LEWIS

Total Tax
 Total Ticket \$1864.56

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249161

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/11/2010 Vehicle# 6123
 Payment Type Credit Account Container
 Manual Ticket# Driver ron
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest NA
 Destination Grid
 PO 50#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator DR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Volume

Time	Scale	Operator	Inbound	Gross	105900 lb*
In 10/11/2010 11:02:58	Inbound 2	sdm		Tare	40700 lb*
Out 10/11/2010 11:02:58		sdm		Net	65200 lb
		* Manual Weight		Tons	32.60

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		32.60	Tons	32.50		\$1059.50	LEWIS
2 ENVFEE\$4.23-Env Fe 100		32.60	Tons	4.23		\$137.90	LEWIS
3 TRANSFEE\$19.55-TRA 100		32.60	Tons	19.55		\$637.33	LEWIS

Total Tax
 Total Ticket \$1834.73

Driver's Signature

Ron Watson



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249165

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ross adams
 Ticket Date 10/11/2010 Vehicle# 101
 Payment Type Credit Account Container
 Manual Ticket# Driver ross
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Volume

Time	Scale	Operator	Inbound	Gross	99040 lb
In 10/11/2010 11:41:15	Inbound_1	ajm		Tare	37600 lb*
Out 10/11/2010 11:41:34	Inbound_1	ajm		Net	61440 lb
		* Manual Weight		Tons	30.72

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		30.72	Tons	32.50		\$998.40	LEWIS
2 ENVFEE\$4.23-Env Fe 100		30.72	Tons	4.23		\$129.95	LEWIS
3 TRANSFEE\$19.55-TRA 100		30.72	Tons	19.55		\$600.58	LEWIS

Total Tax
 Total Ticket \$1728.93

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249166

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier LAWRENCE ADAMS
 Ticket Date 10/11/2010 Vehicle# 201 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver Larry
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SD#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	110000 lb*
In 10/11/2010 11:44:03	Inbound 2	jlr		Tare	37900 lb*
Out 10/11/2010 11:44:20	Inbound 2	jlr		Net	72100 lb
		* Manual Weight		Tons	36.05

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		36.05	Tons	32.50		\$1171.63	LEWIS
2 ENVFEE\$4.23-Env Fe 100		36.05	Tons	4.23		\$152.49	LEWIS
3 TRANSFEE\$19.55-TRA 100		36.05	Tons	19.55		\$704.78	LEWIS

Total Tax
 Total Ticket \$2028.90

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249183

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier KISSLER TRUCKING
 Ticket Date 10/11/2010 Vehicle# 5 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver jared
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PD SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	105680 lb*
In 10/11/2010 14:47:49	Inbound 2	sdm		Tare	37980 lb*
Out 10/11/2010 14:47:49		sdm		Net	67700 lb
		* Manual Weight		Tons	33.85

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		33.85	Tons	32.50		\$1100.13	LEWIS
2 ENVFEE\$4.23-Env Fe 100		33.85	Tons	4.23		\$143.19	LEWIS
3 TRANSFEE\$19.55-TRA 100		33.85	Tons	19.55		\$661.77	LEWIS

Total Tax
 Total Ticket \$1905.09

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249184

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier KISSLER TRUCKING
 Ticket Date 10/11/2010 Vehicle# 6 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver anthony
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	104880 lb*
In 10/11/2010 14:55:41	Inbound_1	jlr		Tare	37040 lb
Out 10/11/2010 15:15:15	Outbound	jlr		Net	67040 lb
		* Manual Weight		Tons	33.52

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		33.52	Tons	32.50		\$1089.40	LEWIS
2 ENVFEE\$4.23-Env Fe 100		33.52	Tons	4.23		\$141.79	LEWIS
3 TRANSFEE\$19.55-TRA 100		33.52	Tons	19.55		\$655.32	LEWIS

Total Tax
 Total Ticket \$1886.51

Driver's Signature
 403WM



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249186

SO# 4699536


Customer Name CHEVRON CARE OF CRA WASTE SER Carrier KISSLER TRUCKING
 Ticket Date 10/11/2010 Vehicle# 4 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver josh
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO 50#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	102740 lb*
In 10/11/2010 15:07:20	Inbound 2	sdm		Tare	38840 lb*
Out 10/11/2010 15:07:20		sdm		Net	63900 lb
		* Manual Weight		Tons	31.95

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		31.95	Tons	32.50		\$1038.38	LEWIS
2 ENVFEE\$4.23-Env Fe 100		31.95	Tons	4.23		\$135.15	LEWIS
3 TRANSFEE\$19.55-TRA 100		31.95	Tons	19.55		\$624.62	LEWIS



Total Tax
 Total Ticket \$1798.15

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249192

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ross adams
 Ticket Date 10/11/2010 Vehicle# 101
 Payment Type Credit Account Container
 Manual Ticket# Driver ross
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Volume

Time	Scale	Operator	Inbound	Gross	106900 lb*
In 10/11/2010 16:00:17	Inbound_1	jlr		Tare	37600 lb*
Out 10/11/2010 16:00:17		jlr		Net	69300 lb
		* Manual Weight		Tons	34.65

Comments

Consumer Comments? We want to know. Please call.

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RBC-	100	34.65	Tons	32.50		\$1126.13	LEWIS
2 ENVFEE\$4.23-Env Fe	100	34.65	Tons	4.23		\$146.57	LEWIS
3 TRANSFEE\$19.55-TRA	100	34.65	Tons	19.55		\$677.41	LEWIS

Total Tax
 Total Ticket \$1950.11

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249193

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier LAWRENCE ADAMS
 Ticket Date 10/11/2010 Vehicle# 201 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver Larry
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 107142DR (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	109960 lb*
In 10/11/2010 16:00:38	Inbound 2	sdm		Tare	37900 lb*
Out 10/11/2010 16:00:38		sdm		Net	72060 lb
		* Manual Weight		Tons	36.03

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		36.03	Tons	32.50		\$1170.98	LEWIS
2 ENVFEE\$4.23-Env Fe 100		36.03	Tons	4.23		\$152.41	LEWIS
3 TRANSFEE\$19.55-TRA 100		36.03	Tons	19.55		\$704.39	LEWIS

Total Tax
 Total Ticket \$2027.78

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249194

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/11/2010 Vehicle# 6130 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver brock
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SD#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	103020 lb*
In 10/11/2010 16:23:44	Inbound_1	sdm		Tare	39100 lb*
Out 10/11/2010 16:23:44		sdm		Net	63920 lb
		* Manual Weight		Tons	31.96

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		31.96	Tons	32.50		\$1038.70	LEWIS
2 ENVFEE\$4.23-Env Fe 100		31.96	Tons	4.23		\$135.19	LEWIS
3 TRANSFEE\$19.55-TRA 100		31.96	Tons	19.55		\$624.82	LEWIS

Total Tax
 Total Ticket \$1798.71

Brad

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249223

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/12/2010 Vehicle# 6130
 Payment Type Credit Account Container
 Manual Ticket# Driver brock
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Volume

Time	Scale	Operator	Inbound	Gross	105860 lb*
In 10/12/2010 10:10:13	Inbound_1	jlr		Tare	39100 lb*
Out 10/12/2010 10:10:13		jlr		Net	66760 lb
		* Manual Weight		Tons	33.38

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		33.38	Tons	32.50		\$1084.85	LEWIS
2 ENVFEE\$4.23-Env Fe 100		33.38	Tons	4.23		\$141.20	LEWIS
3 TRANSFEE\$19.55-TRA 100		33.38	Tons	19.55		\$652.58	LEWIS



Total Tax
 Total Ticket \$1878.63

Driver's Signature

403WM



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249226

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/12/2010 Vehicle# 6123
 Payment Type Credit Account Container
 Manual Ticket# Driver ron
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Volume

In	Time	Scale	Operator	Inbound	Gross	105060 lb*
In	10/12/2010 10:27:32	Inbound_1	jlr		Tare	40700 lb*
Out	10/12/2010 10:27:32		jlr		Net	64360 lb
			* Manual Weight		Tons	32.18

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-100		32.18	Tons	32.50		\$1045.85	LEWIS
2 ENVFEE\$4.23-Env Fe 100		32.18	Tons	4.23		\$136.12	LEWIS
3 TRANSFEE\$19.55-TRA 100		32.18	Tons	19.55		\$629.12	LEWIS



Total Tax
 Total Ticket \$1811.09

Driver's Signature

Ron Watson J



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249260

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/12/2010 Vehicle# 6130 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver brock
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	103920 lb*
In 10/12/2010 14:20:45	Inbound_1	ajm		Tare	39100 lb*
Out 10/12/2010 14:20:45		ajm		Net	64820 lb
		* Manual Weight		Tons	32.41

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	32.41	Tons	32.50		\$1053.33	LEWIS
2 ENVFEE\$4.23-Env Fe	100	32.41	Tons	4.23		\$137.09	LEWIS
3 TRANSFEE\$19.55-TRA	100	32.41	Tons	19.55		\$633.62	LEWIS

Brook ✓

Total Tax
 Total Ticket \$1824.04

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249261

SO# 4699536

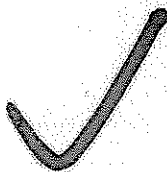
Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/12/2010 Vehicle# 6123 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver ron
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

In	Time	Scale	Operator	Inbound	Gross	107280 lb*
In	10/12/2010 14:29:54	Inbound_1	ajm		Tare	40700 lb*
Out	10/12/2010 14:29:54		ajm		Net	66580 lb
			* Manual Weight		Tons	33.29

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	33.29	Tons	32.50		\$1081.93	LEWIS
2 ENVFEE\$4.23-Env Fe	100	33.29	Tons	4.23		\$140.82	LEWIS
3 TRANSFEE\$19.55-TRA	100	33.29	Tons	19.55		\$650.82	LEWIS



Total Tax
 Total Ticket \$1873.57

Driver's Signature

Ron Watson



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249303

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/13/2010 Vehicle# 6130
 Payment Type Credit Account Container
 Manual Ticket# Driver Brock
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Volume

Time	Scale	Operator	Inbound	Gross	106080 lb*
In 10/13/2010 10:06:23	Inbound 2	ajm		Tare	39100 lb*
Out 10/13/2010 10:06:23		ajm		Net	66980 lb
		* Manual Weight		Tons	33.49

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		33.49	Tons	32.50		\$1088.43	LEWIS
2 ENVFEE\$4.23-Env Fe 100		33.49	Tons	4.23		\$141.66	LEWIS
3 TRANSFEE\$19.55-TRA 100		33.49	Tons	19.55		\$654.73	LEWIS

Driver's Signature

Total Tax
 Total Ticket \$1884.82



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249306

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/13/2010 Vehicle# 6123 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver ron
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	105020 lb*
In 10/13/2010 10:15:53	Inbound_1	jlr		Tare	40700 lb*
Out 10/13/2010 10:15:53		jlr		Net	64320 lb
		* Manual Weight		Tons	32.16

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		32.16	Tons	32.50		\$1045.20	LEWIS
2 ENVFEE\$4.23-Env Fe 100		32.16	Tons	4.23		\$136.04	LEWIS
3 TRANSFEE\$19.55-TRA 100		32.16	Tons	19.55		\$628.73	LEWIS

Total Tax
 Total Ticket \$1809.97

Driver's Signature

Ron Watson



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249355

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/13/2010 Vehicle# 6130 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver brock
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SD#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	106220 lb*
In 10/13/2010 14:25:11	Inbound_1	sdm		Tare	39100 lb*
Out 10/13/2010 14:25:11		sdm		Net	67120 lb
		* Manual Weight		Tons	33.56

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	33.56	Tons	32.50		\$1090.70	LEWIS
2 ENVFEE\$4.23-Env Fe	100	33.56	Tons	4.23		\$141.96	LEWIS
3 TRANSFEE\$19.55-TRA	100	33.56	Tons	19.55		\$656.10	LEWIS

Total Tax
 Total Ticket \$1888.76

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249357

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/13/2010 Vehicle# 6123 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver ron
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

In	Time	Scale	Operator	Inbound	Gross	101800 lb*
In	10/13/2010 14:33:29	Inbound_1	sdm		Tare	40700 lb*
Out	10/13/2010 14:33:29		sdm		Net	61100 lb
			* Manual Weight		Tons	30.55

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		30.55	Tons	32.50		\$992.88	LEWIS
2 ENVFEE\$4.23-Env Fe 100		30.55	Tons	4.23		\$129.23	LEWIS
3 TRANSFEE\$19.55-TRA 100		30.55	Tons	19.55		\$597.25	LEWIS

Total Tax
 Total Ticket \$1719.36

Driver's Signature

Ron Watson



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249403

SO# 4699536

Customer Name	CHEVRON CARE OF CRA WASTE SER	Carrier	ADVENTURE	Volume
Ticket Date	10/14/2010	Vehicle#	6130	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	brock	
Hauling Ticket#		Check#		
Route		Billing #	0002755	
State Waste Code		Gen EPA ID	N/A	
Manifest	na			
Destination		Grid		
PO	SO#4699536 STRATA#211556-0-15			
Profile	1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)			
Generator	OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556			

Time	Scale	Operator	Inbound	Gross	107740 lb*
In 10/14/2010 10:11:58	Inbound_1	sdm		Tare	39100 lb*
Out 10/14/2010 10:11:58		sdm		Net	68640 lb
		* Manual Weight		Tons	34.32

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	34.32	Tons	32.50		\$1115.40	LEWIS
2 ENVFEE\$4.23-Env Fe	100	34.32	Tons	4.23		\$145.17	LEWIS
3 TRANSFEE\$19.55-TRA	100	34.32	Tons	19.55		\$670.96	LEWIS

Total Tax
 Total Ticket \$1931.53

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249478

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/15/2010 Vehicle# 6130
 Payment Type Credit Account Container
 Manual Ticket# Driver brock
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Volume

Time	Scale	Operator	Inbound	Gross	103800 lb*
In 10/15/2010 09:40:26	Inbound_1	jlr		Tare	39100 lb*
Out 10/15/2010 09:40:26		jlr		Net	64700 lb
Comments		* Manual Weight		Tons	32.35

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		32.35	Tons	32.50		\$1051.38	LEWIS
2 ENVFEE\$4.23-Env Fe 100		32.35	Tons	4.23		\$136.84	LEWIS
3 TRANSFEE\$19.55-TRA 100		32.35	Tons	19.55		\$632.44	LEWIS

Total Tax
 Total Ticket \$1820.66

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249615

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/19/2010 Vehicle# 6130 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver brock
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	103400 lb*
In 10/19/2010 09:55:52	Inbound 2	jdb		Tare	39100 lb*
Out 10/19/2010 09:55:52		jdb		Net	64380 lb
		* Manual Weight		Tons	32.19

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		32.19	Tons	32.50		\$1046.18	LEWIS
2 ENVFEE\$4.23-Env Fe 100		32.19	Tons	4.23		\$136.16	LEWIS
3 TRANSFEE\$19.55-TRA 100		32.19	Tons	19.55		\$629.31	LEWIS

Driver's Signature

Total Tax
 Total Ticket \$1811.65



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249654

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/19/2010 Vehicle# 6130
 Payment Type Credit Account Container
 Manual Ticket# Driver brock
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Volume

Time	Scale	Operator	Inbound	Gross	103640 lb*
In 10/19/2010 14:28:15	Inbound_1	jdb		Tare	39100 lb*
Out 10/19/2010 14:28:15		jdb		Net	64540 lb
		* Manual Weight		Tons	32.27

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RBC- 100		32.27	Tons	32.50		\$1048.78	LEWIS
2 ENVFEE\$4.23-Env Fe 100		32.27	Tons	4.23		\$136.50	LEWIS
3 TRANSFEE\$19.55-TRA 100		32.27	Tons	19.55		\$630.88	LEWIS

Total Tax
 Total Ticket \$1816.16

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249697

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/20/2010 Vehicle# 6123
 Payment Type Credit Account Container
 Manual Ticket# Driver ron
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PD SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Volume

Time	Scale	Operator	Inbound	Gross	101000 lb*
In 10/20/2010 10:23:58	Inbound_1	jlr		Tare	40700 lb*
Out 10/20/2010 10:23:58		jlr		Net	60300 lb
		& Manual Weight		Tons	30.15

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		30.15	Tons	32.50		\$979.88	LEWIS
2 ENVFEE\$4.23-Env Fe 100		30.15	Tons	4.23		\$127.53	LEWIS
3 TRANSFEE\$19.55-TRA 100		30.15	Tons	19.55		\$589.43	LEWIS

Total Tax
 Total Ticket \$1696.84

Driver's Signature

Ron Watson



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249774

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/21/2010 Vehicle# 6123 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver ron
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	103320 lb*
In 10/21/2010 09:58:09	Inbound 2	jlr		Tare	40700 lb*
Out 10/21/2010 09:58:09		jlr		Net	62620 lb
		* Manual Weight		Tons	31.31

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		31.31	Tons	32.50		\$1017.58	LEWIS
2 ENVFEE\$4.23-Env Fe 100		31.31	Tons	4.23		\$132.44	LEWIS
3 TRANSFEE\$19.55-TRA 100		31.31	Tons	19.55		\$612.11	LEWIS

Total Tax
 Total Ticket \$1762.13

Driver's Signature

Ron Watson J



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249780

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier RON WATSON TRKG DUMP TRUCK & TRAILER
 Ticket Date 10/21/2010 Vehicle# 25 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver ron
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PG SO#4699536 STRATA#211556-0-15
 Profile 107142DR (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator DR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	109340 lb*
In 10/21/2010 10:10:46	Inbound_1	ajm		Tare	39020 lb
Out 10/21/2010 10:35:32	Outbound	ajm		Net	70320 lb
		* Manual Weight		Tons	35.16

Comments

Consumer Comments? We want to know. Please call.

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	35.16	Tons	32.50		\$1142.70	LEWIS
2 ENVFEE\$4.23-Env Fe	100	35.16	Tons	4.23		\$148.73	LEWIS
3 TRANSFEE\$19.55-TRA	100	35.16	Tons	19.55		\$687.38	LEWIS

Ron Watson Sr.

Total Tax
 Total Ticket \$1978.81

Driver's Signature
 403WM



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249785

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier lucore truck redish
 Ticket Date 10/21/2010 Vehicle# 4977 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver eric
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SQ#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	103160 lb*
In 10/21/2010 10:41:36	Inbound_1	ajm		Tare	38760 lb
Out 10/21/2010 10:52:11	Outbound	ajm		Net	64400 lb
		* Manual Weight		Tons	32.20

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		32.20	Tons	32.50		\$1046.50	LEWIS
2 ENVFEE\$4.23-Env Fe 100		32.20	Tons	4.23		\$136.21	LEWIS
3 TRANSFEE\$19.55-TRA 100		32.20	Tons	19.55		\$629.51	LEWIS

Eric Lucore

Total Tax
 Total Ticket \$1812.22

Driver's Signature
 403WM



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249799

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier kooy
 Ticket Date 10/21/2010 Vehicle# 3 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver travis
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SD#4699536 STRATA#211556-0-15
 Profile 107142DR (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	108080 lb*
In 10/21/2010 11:47:09	Inbound 2	jdb		Tare	38800 lb
Out 10/21/2010 12:05:06	Outbound	ajm		Net	69280 lb
		* Manual Weight		Tons	34.64

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		34.64	Tons	32.50		\$1125.80	LEWIS
2 ENVFEE\$4.23-Env Fe 100		34.64	Tons	4.23		\$146.53	LEWIS
3 TRANSFEE\$19.55-TRA 100		34.64	Tons	19.55		\$677.21	LEWIS

Total Tax
 Total Ticket \$1949.54

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249801

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier MARK BOURDEAU TRUCKING
 Ticket Date 10/21/2010 Vehicle# 011 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver john
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	103540 lb*
In 10/21/2010 11:48:57	Inbound 2	jdb		Tare	40020 lb
Out 10/21/2010 12:21:29	Outbound	ajm		Net	63520 lb
		* Manual Weight		Tons	31.76

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		31.76	Tons	32.50		\$1032.20	LEWIS
2 ENVFEE\$4.23-Env Fe 100		31.76	Tons	4.23		\$134.34	LEWIS
3 TRANSFEE\$19.55-TRA 100		31.76	Tons	19.55		\$620.91	LEWIS

Total Tax
 Total Ticket \$1787.45

Joe Theobald

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249803

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier PACIFIC TRANSPORT DUMP TRK & TRAILER
 Ticket Date 10/21/2010 Vehicle# 5 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver john
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PD SO#4699536 STRATA#211556-0-15
 Profile 107142DR (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	105380 lb*
In 10/21/2010 11:54:04	Inbound_1	ajm		Tare	35660 lb
Out 10/21/2010 12:17:25	Outbound	ajm		Net	69720 lb
		* Manual Weight		Tons	34.86

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		34.86	Tons	32.50		\$1132.95	LEWIS
2 ENVFEE\$4.23-Env Fe 100		34.86	Tons	4.23		\$147.46	LEWIS
3 TRANSFEE\$19.55-TRA 100		34.86	Tons	19.55		\$681.51	LEWIS

Total Tax
 Total Ticket \$1961.92

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249822

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier ADVENTURE
 Ticket Date 10/21/2010 Vehicle# 6123
 Payment Type Credit Account Container
 Manual Ticket# Driver ron
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest NA
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Volume

Time	Scale	Operator	Inbound	Gross	101900 lb*
In 10/21/2010 13:53:13	Inbound_1	jlr		Tare	40700 lb*
Out 10/21/2010 13:53:13		jlr		Net	61200 lb
		* Manual Weight		Tons	30.60

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		30.60	Tons	32.50		\$994.50	LEWIS
2 ENVFEE\$4.23-Env Fe 100		30.60	Tons	4.23		\$129.44	LEWIS
3 TRANSFEE\$19.55-TRA 100		30.60	Tons	19.55		\$598.23	LEWIS

Total Tax
 Total Ticket \$1722.17

Ron Watson

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249836

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier lucore truck redish
 Ticket Date 10/21/2010 Vehicle# 4977 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver eric
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	104500 lb*
In 10/21/2010 14:49:39	Inbound_1	jdb		Tare	38760 lb*
Out 10/21/2010 14:49:39		jdb		Net	65740 lb
		* Manual Weight		Tons	32.87

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		32.87	Tons	32.50		\$1068.28	LEWIS
2 ENVFEE\$4.23-Env Fe 100		32.87	Tons	4.23		\$139.04	LEWIS
3 TRANSFEE\$19.55-TRA 100		32.87	Tons	19.55		\$642.61	LEWIS

Total Tax
 Total Ticket \$1849.93

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249844

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier kooy
 Ticket Date 10/21/2010 Vehicle# 3 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver travis
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	90360 lb*
In 10/21/2010 16:47:47	Inbound_1	jlr		Tare	36480 lb*
Out 10/21/2010 16:47:47		jlr		Net	53880 lb
		* Manual Weight		Tons	26.94

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		26.94	Tons	32.50		\$875.55	LEWIS
2 ENVFEE\$4.23-Env Fe 100		26.94	Tons	4.23		\$113.96	LEWIS
3 TRANSFEE\$19.55-TRA 100		26.94	Tons	19.55		\$586.50	LEWIS

Total Tax
 Total Ticket \$1576.01

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249845

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier kooy
 Ticket Date 10/21/2010 Vehicle# 14
 Payment Type Credit Account Container
 Manual Ticket# Driver ben
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SD#4699536 STRATA#211556-0-15
 Profile 107142DR (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Volume

Time	Scale	Operator	Inbound	Gross	105940 lb*
In 10/21/2010 16:49:34	Inbound_1	jlr		Tare	38880 lb
Out 10/21/2010 17:09:08	Outbound	jlr		Net	67060 lb
		* Manual Weight		Tons	33.53

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		33.53	Tons	32.50		\$1089.73	LEWIS
2 ENVFEE\$4.23-Env Fe 100		33.53	Tons	4.23		\$141.83	LEWIS
3 TRANSFEE\$19.55-TRA 100		33.53	Tons	19.55		\$655.51	LEWIS

Total Tax
 Total Ticket \$1887.07

Driver's Signature

403WM



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249886

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier lucore truck redish
 Ticket Date 10/22/2010 Vehicle# 4977 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver eric
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PD SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	105540 lb*
In 10/22/2010 09:58:53	Inbound_1	jdb		Tare	38760 lb*
Out 10/22/2010 09:58:53		jdb		Net	66780 lb
		* Manual Weight		Tons	33.39

Comments

Consumer Comments? We want to know. Please call.

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	33.39	Tons	32.50		\$1085.18	LEWIS
2 ENVFEE\$4.23-Env Fe	100	33.39	Tons	4.23		\$141.24	LEWIS
3 TRANSFEE\$19.55-TRA	100	33.39	Tons	19.55		\$652.77	LEWIS

Total Tax
 Total Ticket \$1879.19

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249919

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier lucore truck redish
 Ticket Date 10/22/2010 Vehicle# 4977 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver eric
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator DR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	105340 lb*
In 10/22/2010 13:52:44	Inbound 2	ajm		Tare	38760 lb*
Out 10/22/2010 13:52:44		ajm		Net	66580 lb
		* Manual Weight		Tons	33.29

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		33.29	Tons	32.50		\$1081.93	LEWIS
2 ENVFEE\$4.23-Env Fe 100		33.29	Tons	4.23		\$140.82	LEWIS
3 TRANSFEE\$19.55-TRA 100		33.29	Tons	19.55		\$650.82	LEWIS

Total Tax
 Total Ticket \$1873.57

Driver's Signature



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249936

SO# 4699536

Customer Name CHEVRON CARE OF CRA WASTE SER Carrier lucre truck redish
 Ticket Date 10/23/2010 Vehicle# 4977 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver eric
 Hauling Ticket# Check#
 Route Billing # 0002755
 State Waste Code Gen EPA ID N/A
 Manifest na
 Destination Grid
 PO SO#4699536 STRATA#211556-0-15
 Profile 1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)
 Generator OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556

Time	Scale	Operator	Inbound	Gross	52640 lb*
In 10/23/2010 08:03:24	Inbound 2	jlr		Tare	25340 lb
Out 10/23/2010 08:11:36	Outbound	ajm		Net	27300 lb
		* Manual Weight		Tons	13.65

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		13.65	Tons	32.50		\$443.63	LEWIS
2 ENVFEE\$4.23-Env Fe 100		13.65	Tons	4.23		\$57.74	LEWIS
3 TRANSFEE\$19.55-TRA 100		13.65	Tons	19.55		\$586.50	LEWIS



Total Tax
 Total Ticket \$1087.87

Driver's Signature
 403WM



Hillsboro Landfill, Inc
 3205 SE Minter Bridge
 Hillsboro, OR, 97123
 Ph: (503)-640-9427

Original
 Ticket# 1249447

Customer Name	CHEVRON CARE OF CRA WASTE SER	Carrier	ADVENTURE	Volume
Ticket Date	10/14/2010	Vehicle#	6130	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	brock	
Hauling Ticket#		Check#		
Route		Billing #	0002755	
State Waste Code		Gen EPA ID	N/A	
Manifest	na			
Destination		Grid		
PO	SO#4699536 STRATA#211556-0-15			
Profile	1071420R (SOIL/DRILL CUTTINGS IMPACTED W/DIESEL)			
Generator	OR-TEXACO DOWNSTREAM TEXACO DOWNSTREAM 211556			

	Time	Scale	Operator	Inbound	Gross	102920 lb*
In	10/14/2010 14:07:12	Inbound_1	ajm		Tare	39100 lb*
Out	10/14/2010 14:07:12		ajm		Net	63820 lb
			* Manual Weight		Tons	31.91

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	31.91	Tons	32.50		\$1037.08	LEWIS
2 ENVFEE\$4.23-Env Fe	100	31.91	Tons	4.23		\$134.98	LEWIS
3 TRANSFEE\$19.55-TRA	100	31.91	Tons	19.55		\$623.84	LEWIS

Total Tax
 Total Ticket \$1795.90

Driver's Signature

Organization ID	Customer Name (Site)	Ticket In (Date/Time)	Ticket No	Profile Nm (Site)	Material Nm - Ticket	Tons	Rate UOM - Material	Material Amt - Ticket
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/11/2010 10:31	1249154	107142OR	Cont Soil Pet-RGC-To	34.82	Tons	1131.65
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/11/2010 10:33	1249155	107142OR	Cont Soil Pet-RGC-To	34.09	Tons	1107.93
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/11/2010 10:44	1249157	107142OR	Cont Soil Pet-RGC-To	33.13	Tons	1076.73
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/11/2010 11:02	1249161	107142OR	Cont Soil Pet-RGC-To	32.6	Tons	1059.5
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/11/2010 11:11	1249976	107142OR	Cont Soil Pet-RGC-To	32.72	Tons	1063.4
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/11/2010 11:41	1249165	107142OR	Cont Soil Pet-RGC-To	30.72	Tons	998.4
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/11/2010 11:44	1249166	107142OR	Cont Soil Pet-RGC-To	36.05	Tons	1171.63
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/11/2010 14:47	1249183	107142OR	Cont Soil Pet-RGC-To	33.85	Tons	1100.13
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/11/2010 14:55	1249184	107142OR	Cont Soil Pet-RGC-To	33.52	Tons	1089.4
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/11/2010 15:07	1249186	107142OR	Cont Soil Pet-RGC-To	31.95	Tons	1038.38
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/11/2010 16:00	1249192	107142OR	Cont Soil Pet-RGC-To	34.65	Tons	1126.13
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/11/2010 16:00	1249193	107142OR	Cont Soil Pet-RGC-To	36.03	Tons	1170.98
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/11/2010 16:23	1249194	107142OR	Cont Soil Pet-RGC-To	31.96	Tons	1038.7
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/12/2010 10:10	1249223	107142OR	Cont Soil Pet-RGC-To	33.38	Tons	1084.85

S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/12/2010 10:27	1249226 107142OR	Cont Soil Pet- RGC-To	32.18 Tons	1045.85
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/12/2010 14:20	1249260 107142OR	Cont Soil Pet- RGC-To	32.41 Tons	1053.33
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/12/2010 14:29	1249261 107142OR	Cont Soil Pet- RGC-To	33.29 Tons	1081.93
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/13/2010 10:06	1249303 107142OR	Cont Soil Pet- RGC-To	33.49 Tons	1088.43
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/13/2010 10:15	1249306 107142OR	Cont Soil Pet- RGC-To	32.16 Tons	1045.2
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/13/2010 14:25	1249355 107142OR	Cont Soil Pet- RGC-To	33.56 Tons	1090.7
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/13/2010 14:33	1249357 107142OR	Cont Soil Pet- RGC-To	30.55 Tons	992.88
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/14/2010 10:11	1249403 107142OR	Cont Soil Pet- RGC-To	34.32 Tons	1115.4
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/14/2010 14:07	1249447 107142OR	Cont Soil Pet- RGC-To	31.91 Tons	1037.08
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/15/2010 9:40	1249478 107142OR	Cont Soil Pet- RGC-To	32.35 Tons	1051.38
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/19/2010 9:55	1249615 107142OR	Cont Soil Pet- RGC-To	32.19 Tons	1046.18
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/19/2010 14:28	1249654 107142OR	Cont Soil Pet- RGC-To	32.27 Tons	1048.78
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/20/2010 10:23	1249697 107142OR	Cont Soil Pet- RGC-To	30.15 Tons	979.88
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/21/2010 9:58	1249774 107142OR	Cont Soil Pet- RGC-To	31.31 Tons	1017.58
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/21/2010 10:10	1249780 107142OR	Cont Soil Pet- RGC-To	35.16 Tons	1142.7

S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/21/2010 10:41	1249785 107142OR	Cont Soil Pet- RGC-To	32.2 Tons	1046.5
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/21/2010 11:47	1249799 107142OR	Cont Soil Pet- RGC-To	34.64 Tons	1125.8
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/21/2010 11:48	1249801 107142OR	Cont Soil Pet- RGC-To	31.76 Tons	1032.2
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/21/2010 11:54	1249803 107142OR	Cont Soil Pet- RGC-To	34.86 Tons	1132.95
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/21/2010 13:53	1249822 107142OR	Cont Soil Pet- RGC-To	30.6 Tons	994.5
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/21/2010 14:49	1249836 107142OR	Cont Soil Pet- RGC-To	32.87 Tons	1068.28
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/21/2010 16:47	1249844 107142OR	Cont Soil Pet- RGC-To	26.94 Tons	875.55
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/21/2010 16:49	1249845 107142OR	Cont Soil Pet- RGC-To	33.53 Tons	1089.73
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/22/2010 9:58	1249886 107142OR	Cont Soil Pet- RGC-To	33.39 Tons	1085.18
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/22/2010 13:52	1249919 107142OR	Cont Soil Pet- RGC-To	33.29 Tons	1081.93
S03305	CHEVRON CARE OF CRA WASTE SERVICES	10/23/2010 8:03	1249936 107142OR	Cont Soil Pet- RGC-To	13.65 Tons	443.63
Total Tonnage					1294.5	42071.36

**Appendix C:
Compaction Testing Reports**

MAYES TESTING ENGINEERS, INC.

Seattle Office
20225 Cedar Valley Road
Suite 110
Lynnwood, WA 98036
ph 425.742.9360
fax 425.745.1737

Project No. P10171
Project Former Texaco Service Station #211556
Address 101 Mulford Road, Toledo, WA
Permit No. N/A

Tacoma Office
10029 S. Tacoma Way
Suite E-2
Tacoma, WA 98499
ph 253.584.3720
fax 253.584.3707

Contractor Clearcreek Contractors

Portland Office
7911 NE 33rd Drive
Suite 190
Portland, OR 97211
ph 503.281.7515
fax 503.281.7579

Record No. 001 **REVISED 10-11-10**
Date October 6, 2010
Weather Foggy
Inspection Sample Pick Up
Sample(s) (2) 5-gal buckets of gravel borrow

Arrived on site as requested to pick up sample. Upon arrival, the contractor decided not to use the on site material for backfill. Then traveled to the Wallace Toledo pit to pick up (2) 5-gallon buckets of gravel borrow to be used as backfill. Sample obtained and delivered to the Portland laboratory for proctor analysis.

AMENDED 10-11-10

Per conversation with Willie, on site overburden material will have to be removed and all recombined due to at least (2) different material to get an accurate proctor and in place density testing results. For this reason the contractor decided not to use overburden material as backfill.

Inspector: Cliff Zenger
WABO # SI 01733

Reviewed by:



Mark A. Galusha, P.E.
Branch Manager

MAYES TESTING ENGINEERS, INC.

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ph 425.742.9360
fax 425.745.1737

Project No. P10171
Project Former Texaco Service Station #211556
Address 101 Mulford Road, Toledo, WA
Permit No. N/A

Contractor Clearcreek Contractors

REVISED

1:27 pm, Oct 26, 2010

Tacoma Office
10029 S. Tacoma Way
Suite E-2
Tacoma, WA 98499
ph 253.584.3720
fax 253.584.3707

Record No. 002
Date October 14, 2010
Weather Fog
Inspection Soil Density
Sample(s) none

Portland Office
7911 NE 33rd Drive
Suite 190
Portland, OR 97211
ph 503.281.7515
fax 503.281.7579

On site as scheduled to perform in place nuclear density testing using a Troxler 3440 gauge. Material placed was a gravel borrow from Wallace Toledo pit with a proctor value of 128.2 pcf at 9.6" optimum moisture. Material was placed using a Komatsu PC138 track hoe and compacted using a Vibromax smooth drum vibratory roller in an area where fuel tanks had been removed. Material was placed in 8" loose lifts and compacted to the required 95% of modified proctor value. All tests taken today met or exceeded the required compaction. See attached Field Density Test Report for locations and results. NOTE: A 2-hour delay for equipment delivery.

To the best of our knowledge, items inspected this date are in accordance with approved plans and specifications.

Inspector: John Salts
WABO # SI 01654

Reviewed by:



Mark A. Galusha, P.E.
Branch Manager

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Soil
FIELD DENSITY TEST REPORT

ASTM D 6938

Project No.: P10171 Date: 10/14/2010

Project: Former Texaco Service Station #211556

Inspector: John Salts

MTE Nuclear Gauge No.: 18

Test #	Location	Area	Tank	Depth or Elevation (feet)	Backscatter / Direct Transmission	Laboratory		Field				Soil Type Description
						Max Dry Density (PCF)	OMC %	Wet Density (PCF)	Dry Density (PCF)	Moisture Content %	Compaction %	
1	NW Corner			-9'	DT	128.2	9.6	130.8	121.5	7.6	94.8	Gravel Borrow
2	SW Corner			-9'	DT	128.2	9.6	129.6	121.5	6.7	94.6	Gravel Borrow
3	SE Corner			-8'4"	DT	128.2	9.6	138.0	129.0	7.0	100+	Gravel Borrow
4	NE Corner			-8'4"	DT	128.2	9.6	132.7	122.5	8.3	95.6	Gravel Borrow
5	SE Quadrant			-7'8"	DT	128.2	9.6	135.0	125.3	7.8	97.7	Gravel Borrow
6	NE Quadrant			-7'8"	DT	128.2	9.6	135.9	126.9	7.0	99.0	Gravel Borrow
7	NW Quadrant			-7'	DT	128.2	9.6	137.2	128.0	7.1	99.9	Gravel Borrow
8	SW Quadrant			-7'	DT	128.2	9.6	133.1	124.8	6.6	97.4	Gravel Borrow
9	SE Quadrant			-7'	DT	128.2	9.6	136.1	127.2	7.0	99.2	Gravel Borrow
10	NE Qudarant			-7'	DT	128.2	9.6	138.1	127.9	8.0	99.8	Gravel Borrow
11	SW Quadrant			-6'4"	DT	128.2	9.6	135.0	126.9	6.4	99.0	Gravel Borrow

Specification Compaction and Material : 95%

ASTM D 1557 (Modified Proctor)

ASTM D 698 (Standard Proctor)

Type and Number of earth moving units: 1- Track hoe excavator

Type and Number of Compaction units: 1-smooth drum vibratory doller 48"

Number of Passes: various Thickness of lift: 8"

Method of Adding Moisture: _____

Comments: _____

In our opinion, fill generally meets specifications as indicated by test numbers:
Tests 1 to 10

In our opinion, fill does not meet specifications as indicated by test numbers:

Fill test meets compaction specifications

Contractor Advised _____

Full-time observation Part-time observation

QC Sample: Test No.: 1 Dry Density: 122.5 Moisture %: 8.3

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 7911 NE 33rd Drive, Suite 190 Ph 503.281.7515
 Portland, OR 97211 Fax 503.281.7579

Soil
FIELD DENSITY TEST REPORT

ASTM D 6938

Project No.: P10171 Date: 10/14/2010
 Project: Former Texaco Service Station #211556
 Inspector: John Salts
 MTE Nuclear Gauge No.: 18

Test #	Location Area	Tank	Depth or Elevation (feet)	Backscatter / Direct Transmission	Laboratory		Field				Soil Type Description
					Max Dry Density (PCF)	OMC %	Wet Density (PCF)	Dry Density (PCF)	Moisture Content %	Compaction %	
12	NW Quadrant		-6.4	DT	128.2	9.6	132.3	124.8	6.0	97.3	Gravel Borrow

Specification Compaction and Material : 95%
 ASTM D 1557 (Modified Proctor)
 ASTM D 698 (Standard Proctor)
 Type and Number of earth moving units: 1- Track hoe excavator
 Type and Number of Compaction units: 1-smooth drum vibratory doller 48"
 Number of Passes: various Thickness of lift: 8"
 Method of Adding Moisture: _____

In our opinion, fill generally meets specifications as indicated by test numbers:
test 12
 In our opinion, fill does not meet specifications as indicated by test numbers:

 Fill test meets compaction specifications
 Contractor Advised _____
 Full-time observation Part-time observation
QC Sample: Test No.: 1 Dry Density: 122.5 Moisture %: 8.3

Comments: _____

MAYES TESTING ENGINEERS, INC.

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Project No. P10171
Project Former Texaco Service Station #211556
Address 101 Mulford Road, Toledo, WA
Permit No. N/A

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Contractor Clearcreek Contractors

Portland Office
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Portland, OR 97211
ph 503.281.7515
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Record No. 003
Date October 15, 2010
Weather Fog
Inspection Soil Density
Sample(s) none

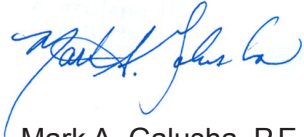
Arrived on site as scheduled and attended a safety meeting prior to the start up of daily activities. Safety meeting was given by Alex of SAIC.

Performed in place nuclear density testing using a Troxler 3440 gauge. Material tested was gravel borrow from Toledo pit owned by Wallace Rock products and placed in 8" loose lifts and compacted to 95% per modified proctor value. Material was placed using a Komatsu PC 138 track hoe and compacted with a Vibromax 48" smooth drum vibratory roller. All tests taken today met or exceeded the 95% compaction requirements. See attached Field Density Test Report for locations and results.

To the best of our knowledge, items inspected this date are in accordance with approved plans and specifications.

Inspector: John Salts
WABO # SI 01654

Reviewed by:


Mark A. Galusha, P.E.
Branch Manager

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Soil
FIELD DENSITY TEST REPORT

ASTM D 6938

Project No.: P10171 Date: 10/15/2010

Project: Former Texaco Service Station #211556

Inspector: John Salts

MTE Nuclear Gauge No.: 18

Test #	Location Reclamation Area next to station	Tank	Depth or Elevation (feet)	Backscatter / Direct Transmission	Laboratory		Field				Soil Type Description
					Max Dry Density (PCF)	OMC %	Wet Density (PCF)	Dry Density (PCF)	Moisture Content %	Compaction %	
1	SE quadrant		-5'8"	DT	128.2	9.6	132.0	123.2	7.1	96.1	Gravel Borrow
2	SW quadrant		-5'8"		128.2	9.6	135.0	126.3	6.9	98.5	Gravel Borrow
3	NE quadrant		5'		128.2	9.6	133.8	127.0	5.4	99.0	Gravel Borrow
4	NW quadrant		5'		128.2	9.6	133.1	127.0	4.7	99.1	Gravel Borrow
5	SW quadrant		-4'4"		128.2	9.6	135.6	127.4	6.4	99.4	Gravel Borrow
6	SE quadrant		-4'4"		128.2	9.6	134.3	126.0	6.6	98.3	Gravel Borrow
7	NE quadrant		-3'8"		128.2	9.6	135.5	127.9	5.9	99.8	Gravel Borrow
8	NW quadrant		-3'8"		128.2	9.6	133.9	126.5	5.8	98.7	Gravel Borrow
9	NE quadrant		-3'		128.2	9.6	135.0	126.5	6.7	98.7	Gravel Borrow
10	NW quadrant		-3'		128.2	9.6	136.0	127.0	7.1	99.0	Gravel Borrow

Specification Compaction and Material : 95%

ASTM D 1557 (Modified Proctor)

ASTM D 698 (Standard Proctor)

Type and Number of earth moving units: 1- Track hoe excavator

Type and Number of Compaction units: 1-smooth drum vibratory roller 48"

Number of Passes: various Thickness of lift: 8"

Method of Adding Moisture: _____

Comments: _____

In our opinion, fill generally meets specifications as indicated by test numbers:
Tests 1 to 10

In our opinion, fill does not meet specifications as indicated by test numbers:

Fill test meets compaction specifications

Contractor Advised _____

Full-time observation Part-time observation

QC Sample: Test No.: 2 Dry Density: 126.3 Moisture %: _____

MAYES TESTING ENGINEERS, INC.

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Project No. P10171
Project Former Texaco Service Station #211556
Address 101 Mulford Road, Toledo, WA
Permit No. N/A

Tacoma Office
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Contractor Clearcreek Contractors

Portland Office
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fax 503.281.7579

Record No. 004
Date October 18, 2010
Weather Fog/Sun
Inspection Soil Density
Sample(s) (1) sample of gravel borrow and (1) sample of crushed

On site as scheduled and attended a safety meeting present by SAIC prior to start up of daily activities. Performed in place nuclear density testing using a Troxler 3440 nuclear gauge. Material placed was gravel borrow supplied by Wallace Rock Products from their Toledo pit. Test #'s 1 to 4 was placed in 8" compacted lifts and test #'s 5-12 were placed in 4" compacted lifts, per job specifications, to 95% compaction of modified proctor value. Material was placed using a track hoe excavator and compacted using a 48' smooth drum vibratory roller. All tests taken today met or exceeded the 95% compaction requirements. See attached Field Density Test Report for locations and results.

Obtained samples of the gravel borrow and 1-1/4" minus crushed aggregate from the site stockpile for laboratory analysis.

To the best of our knowledge, items inspected this date are in accordance with approved plans and specifications.

Inspector: John Salts
WABO # SI 01654

Reviewed by:



Mark A. Galusha, P.E.
Branch Manager

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Soil
FIELD DENSITY TEST REPORT

ASTM D 6938

Project No.: P10171 Date: 10/18/2010
 Project: Former Texaco Service Station #211556
 Inspector: John Salts
 MTE Nuclear Gauge No.: 18

Test #	Location	Area	Tank	Depth or Elevation (feet)	Backscatter / Direct Transmission	Laboratory		Field				Soil Type Description
						Max Dry Density (PCF)	OMC %	Wet Density (PCF)	Dry Density (PCF)	Moisture Content %	Compaction %	
1	SW Quadrant			-2'4"	DT	128.2	9.6	136.0	127.6	6.6	99.5	Gravel Borrow
2	NW Quadrant			-2'4"	DT	128.2	9.6	132.2	125.9	5.4	98.2	Gravel Borrow
3	SE Quadrant			-1'8"	DT	128.2	9.6	130.1	124.5	4.5	97.1	Gravel Borrow
4	NE Quadrant			-1'8"	DT	128.2	9.6	134.0	127.8	4.8	99.7	Gravel Borrow
5	SW Quadrant			-1'4"	DT	128.2	9.6	134.6	127.6	5.4	99.6	Gravel Borrow
6	NW Quadrant			-1'4"	DT	128.2	9.6	134.2	126.9	5.7	99.0	Gravel Borrow
7	SE Quadrant			-1'	DT	128.2	9.6	133.0	123.5	6.1	97.7	Gravel Borrow
8	NE Quadrant			-1'	DT	128.2	9.6	134.3	126.5	6.1	98.7	Gravel Borrow
9	SE Quadrant			-8"	DT	128.2	9.6	131.3	124.3	5.7	96.9	Gravel Borrow
10	NE Quadrant			-8"	DT	128.2	9.6	131.3	124.9	5.1	97.4	Gravel Borrow

Specification Compaction and Material : 95%

- ASTM D 1557 (Modified Proctor)
- ASTM D 698 (Standard Proctor)

Type and Number of earth moving units: 1- Track hoe excavator

Type and Number of Compaction units: 1-smooth drum vibratory roller 48"

Number of Passes: various Thickness of lift: 8" & 4"

Method of Adding Moisture: _____

Comments: _____

In our opinion, fill generally meets specifications as indicated by test numbers: tests 1 to 10

In our opinion, fill does not meet specifications as indicated by test numbers: _____

Fill test meets compaction specifications

Contractor Advised

Full-time observation Part-time observation

QC Sample: Test No.: 7 Dry Density: 123.5 Moisture %: 6.1

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Soil
FIELD DENSITY TEST REPORT

ASTM D 6938

Project No.: P10171 Date: 10/18/2010
 Project: Former Texaco Service Station #211556
 Inspector: John Salts
 MTE Nuclear Gauge No.: 18

Test #	Location Area	Tank	Depth or Elevation (feet)	Backscatter / Direct Transmission	Laboratory		Field				Soil Type Description
					Max Dry Density (PCF)	OMC %	Wet Density (PCF)	Dry Density (PCF)	Moisture Content %	Compaction %	
10	SW quadrant		-4"	DT	128.2	9.6	135.5	128.5	5.4	100+	Gravel Borrow
11	NW quadrant		-4"	DT	128.2	9.6	132.1	125.6	5.2	98	Gravel Borrow

Specification Compaction and Material : 95%
 ASTM D 1557 (Modified Proctor)
 ASTM D 698 (Standard Proctor)
 Type and Number of earth moving units: 1- Track hoe excavator
 Type and Number of Compaction units: 1-smooth drum vibratory doller 48"
 Number of Passes: various Thickness of lift: 8"
 Method of Adding Moisture: _____

In our opinion, fill generally meets specifications as indicated by test numbers:
tests 11 to 12
 In our opinion, fill does not meet specifications as indicated by test numbers:

 Fill test meets compaction specifications
 Contractor Advised _____
 Full-time observation Part-time observation
QC Sample: Test No.: 1 Dry Density: 122.5 Moisture %: 8.3

Comments: _____

MAYES TESTING ENGINEERS, INC.

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Project No. P10171
Project Former Texaco Service Station #211556
Address 101 Mulford Road, Toledo, WA
Permit No. N/A

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Contractor Clearcreek Contractors

Portland Office
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Portland, OR 97211
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Record No. 005
Date October 21, 2010
Weather Partly Cloudy
Inspection Soil Density
Sample(s) none

On site to perform in place density tests on imported gravel borrow being used as backfill in fuel tank and unsuitable material over excavation area. Material was placed in approximately 8" to 10" loose lifts and compacted with a steel drum vibratory roller. All in place density tests met the minimum project requirements of 95%. See attached Field Density Test Report for locations and results.

To the best of our knowledge, items inspected this date are in accordance with approved plans and specifications.

Inspector: Steve Harlin
WABO # SI 01686



Michael S. Dolder, P.E.
Vice President

Reviewed by:

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Soil
FIELD DENSITY TEST REPORT

ASTM D 6938

Project No.: P10171 Date: 10/21/2010
 Project: Former Texaco Service Station #211556
 Inspector: Steve Harlin
 MTE Nuclear Gauge No.: 18

Test #	Location Area Removal backfill	Tank	Depth or Elevation (feet)	Backscatter / Direct Transmission	Laboratory		Field				Soil Type Description
					Max Dry Density (PCF)	OMC %	Wet Density (PCF)	Dry Density (PCF)	Moisture Content %	Compaction %	
1	N side of excavation		7' BFSG	DT	128.2	9.6	139.5	129.2	8.0	100	Gravel Borrow
2	S side of excavation		7' BFSG	DT	128.2	9.6	137.3	127.8	7.5	100	Gravel Borrow
3	E side of excavation		6.5' BFSG	DT	128.2	9.6	137.3	127.4	7.8	99	Gravel Borrow
4	W side of excavation		6.5' BFSG	DT	128.2	9.6	136.8	128.2	6.7	100	Gravel Borrow
5	N side of excavation		6' BFSG	DT	128.2	9.6	137.2	127.8	7.3	99	Gravel Borrow
6	S side of excavation		6' BFSG	DT	128.2	9.6	135.6	126.9	6.8	99	Gravel Borrow
7	E side of excavation		5.5' BFSG	DT	128.2	9.6	133.7	124.9	7.1	97	Gravel Borrow
8	W side of excavation		5.5' BFSG	DT	128.2	9.6	131.7	123.8	6.3	97	Gravel Borrow
9	N side of excavation		5' BFSG	DT	128.2	9.6	136.4	126.3	8.0	98	Gravel Borrow
10	S side of excavation		5' BFSG	DT	128.2	9.6	130.5	122.4	6.6	96	Gravel Borrow

Specification Compaction and Material : 95%

- ASTM D 1557 (Modified Proctor)
- ASTM D 698 (Standard Proctor)

Type and Number of earth moving units: 1-dozer

Type and Number of Compaction units: 1-roller

Number of Passes: various Thickness of lift: 8-10"

Method of Adding Moisture: _____

Comments: _____

In our opinion, fill generally meets specifications as indicated by test numbers:
tests 1 to 10

In our opinion, fill does not meet specifications as indicated by test numbers:

Fill test meets compaction specifications

Contractor Advised _____

Full-time observation Part-time observation

QC Sample: Test No.: 2 Dry Density: 127.8 Moisture %: 7.5

MAYES TESTING ENGINEERS, INC.

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Portland Office
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Portland, OR 97211
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fax 503.281.7579

Project No. P10171
Project Former Texaco Service Station #211556
Address 101 Mulford Road, Toledo, WA
Permit No. N/A

Contractor Clearcreek Contractors

Record No. 006
Date October 22, 2010
Weather Partly Cloudy
Inspection Soil Density
Sample(s) none

On site to perform in place nuclear density tests on imported gravel borrow used as backfill in fuel tank and unsuitable over excavation area. Material was placed in 8" lifts up to 24" below final subgrade, above 24" it was placed in 4" lifts then compacted with a steel drum vibratory roller. All density tests met the minimum project requirement of 95%. See attached Field Density Test Report for locations and results.

To the best of our knowledge, items inspected this date are in accordance with approved plans and specifications.

Inspector: Steve Harlin
WABO # SI 01686



Michael S. Dolder, P.E.
Vice President

Reviewed by:

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**Soil
FIELD DENSITY TEST REPORT**

ASTM D 6938

Project No.: P10171 Date: 10/22/2010

Project: Former Texaco Service Station #211556

Inspector: Steve Harlin

MTE Nuclear Gauge No.: 18

Test #	Location Area	Tank	Depth or Elevation (feet)	Backscatter / Direct Transmission	Laboratory		Field				Soil Type Description
					Max Dry Density (PCF)	OMC %	Wet Density (PCF)	Dry Density (PCF)	Moisture Content %	Compaction %	
1	E side of excavation		4.5' BFSG	DT	128.2	9.6	134.5	125.7	7.0	98	Gravel Borrow
2	W side of excavation		4.5' BFSG	DT	128.2	9.6	132.8	124.3	6.8	97	Gravel Borrow
3	N side of excavation		4' BFSG	DT	128.2	9.6	135.7	126.8	7.0	99	Gravel Borrow
4	S side of excavation		4' BFSG	DT	128.2	9.6	134.2	126.0	6.5	98	Gravel Borrow
5	E side of excavation		3.5' BFSG	DT	128.2	9.6	134.9	127.3	5.9	99	Gravel Borrow
6	W side of excavation		3.5' BFSG	DT	128.2	9.6	133.7	125.9	6.2	98	Gravel Borrow
7	N side of excavation		3' BFSG	DT	128.2	9.6	136.2	127.2	7.1	99	Gravel Borrow
8	S side of excavation		3' BFSG	DT	128.2	9.6	132.2	122.7	7.7	96	Gravel Borrow
9	N side of excavation		2.5' BFSG	DT	128.2	9.6	131.7	123.0	7.0	96	Gravel Borrow
10	S side of excavation		2.5' BFSG	DT	128.2	9.6	135.6	128.0	6.0	100	Gravel Borrow
11	E side of excavation		2' BFSG	DT	128.2	9.6	129.8	122.1	6.3	95	

Specification Compaction and Material : 95%

ASTM D 1557 (Modified Proctor)

ASTM D 698 (Standard Proctor)

Type and Number of earth moving units: dozer

Type and Number of Compaction units: roller

Number of Passes: various Thickness of lift: 8", 4" -24" to top

Method of Adding Moisture: _____

Comments: _____

In our opinion, fill generally meets specifications as indicated by test numbers:
tests 1 to 11

In our opinion, fill does not meet specifications as indicated by test numbers:

Fill test meets compaction specifications

Contractor Advised _____

Full-time observation Part-time observation

QC Sample: Test No.: 1 Dry Density: 125.7 Moisture %: 7

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Soil
FIELD DENSITY TEST REPORT

ASTM D 6938

Project No.: P10171 Date: 10/18/2010
 Project: Former Texaco Service Station #211556
 Inspector: John Salts
 MTE Nuclear Gauge No.: 18

Test #	Location Area	Tank	Depth or Elevation (feet)	Backscatter / Direct Transmission	Laboratory		Field				Soil Type Description
					Max Dry Density (PCF)	OMC %	Wet Density (PCF)	Dry Density (PCF)	Moisture Content %	Compaction %	
12	W side excavation		2'BFSG	DT	128.2	9.6	135.1	122.2	6.5	95	Gravel Borrow
13	N side excavation		2'BFSG	DT	128.2	9.6	133.1	125.5	6.8	98	Gravel Borrow
14	S side excavation		2'BFSG	DT	128.2	9.6	131.5	124.2	5.9	97	
15	E side excavation		20" BFSG	DT	128.2	9.6	133.3	124.9	6.7	97	
16	W side excavation		20" BFSG	DT	128.2	9.6	134.5	126.2	6.6	98	
17	N side excavation		16" BFSG	DT	128.2	9.6	130.3	122.2	6.6	95	
18	S side excavation		16" BFSG	DT	128.2	9.6	136.3	127.9	6.6	100	

Specification Compaction and Material : 95%

- ASTM D 1557 (Modified Proctor)
- ASTM D 698 (Standard Proctor)

Type and Number of earth moving units: 1- Track hoe excavator

Type and Number of Compaction units: 1-smooth drum vibratory roller 48"

Number of Passes: various Thickness of lift: 8"

Method of Adding Moisture: _____

Comments: _____

In our opinion, fill generally meets specifications as indicated by test numbers:
tests 12 to 18

In our opinion, fill does not meet specifications as indicated by test numbers:

Fill test meets compaction specifications

Contractor Advised _____

Full-time observation Part-time observation

QC Sample: Test No.: _____ Dry Density: _____ Moisture %: _____

MAYES TESTING ENGINEERS, INC.

Seattle Office
20225 Cedar Valley Road
Suite 110
Lynnwood, WA 98036
ph 425.742.9360
fax 425.745.1737

Project No. P10171
Project Former Texaco Service Station #211556
Address 101 Mulford Road, Toledo, WA
Permit No. N/A

Tacoma Office
10029 S. Tacoma Way
Suite E-2
Tacoma, WA 98499
ph 253.584.3720
fax 253.584.3707

Contractor Clearcreek Contractors

Portland Office
7911 NE 33rd Drive
Suite 190
Portland, OR 97211
ph 503.281.7515
fax 503.281.7579

Record No. 007
Date October 25, 2010
Weather Rain
Inspection Soil Density
Sample(s) none

On site to perform in place nuclear density testing. The contractor had to pump standing water off the fill site. The contractor placed (1) 4" lift of imported gravel borrow on top of saturated existing gravel borrow fill. Material was then static rolled. Material became soft and yielding with high moisture content. Material was too wet for density testing. After engineer's approval, the contractor is going to place geo fabric over gravel borrow and backfill to final grade with 1-1/4" CSBC. The 1-1/4" CSBC does not require density testing. No density tests were performed this date.

Preliminary

Inspector: Steve Harlin
WABO # SI 01686



Michael S. Dolder, P.E.
Vice President

Reviewed by:

MAYES TESTING ENGINEERS, INC.

7911 NE 33rd Drive, Suite 190 Ph 503-281-7515
Portland, OR 97211 Fax 503-281-7579

DATE: 10/8/2010

CLIENT: Clearcreek Contractors

3203 15th St., Everett, WA 98201

PROJECT: Former Texaco Service Station #211556

PROJECT # P10171

LAB. # 1963

REPORT STATUS:

Original

Amended

SAMPLE DESCRIPTION:

Gravel Borrow

Wallace (Toledo Pit)

Date Sample Received: 10/6/2010

TEST RESULTS:

Proctor Analysis (ASTM D698, D1557 or AASHTO T99, T180)

See attached analysis sheet.

Tested By: Charles Schneider
Date Tested: 10/7/2010

Reviewed By:



Mark A. Galusha, P.E.
Branch Manager

Information in this report applies only to the actual samples tested and shall not be reproduced except in full, without the approval of Mayes Testing Engineers, Inc.

Moisture Density Relationship Test

Client: Clearcreek Contractors
3203 15th St., Everett, WA 98201

Project: Former Texaco Service Station #211556

Test Method: ASTM D-1557 Method C / C 127 / D 4718 (if needed)

Report Date: 10/8/2010

Date Tested: 10/7/2010

Project Number: P10171

Lab Number: 1963

Wet Preparation Mechanical
 Dry Preparation Hand Tamper

Date Received: 10/6/2010

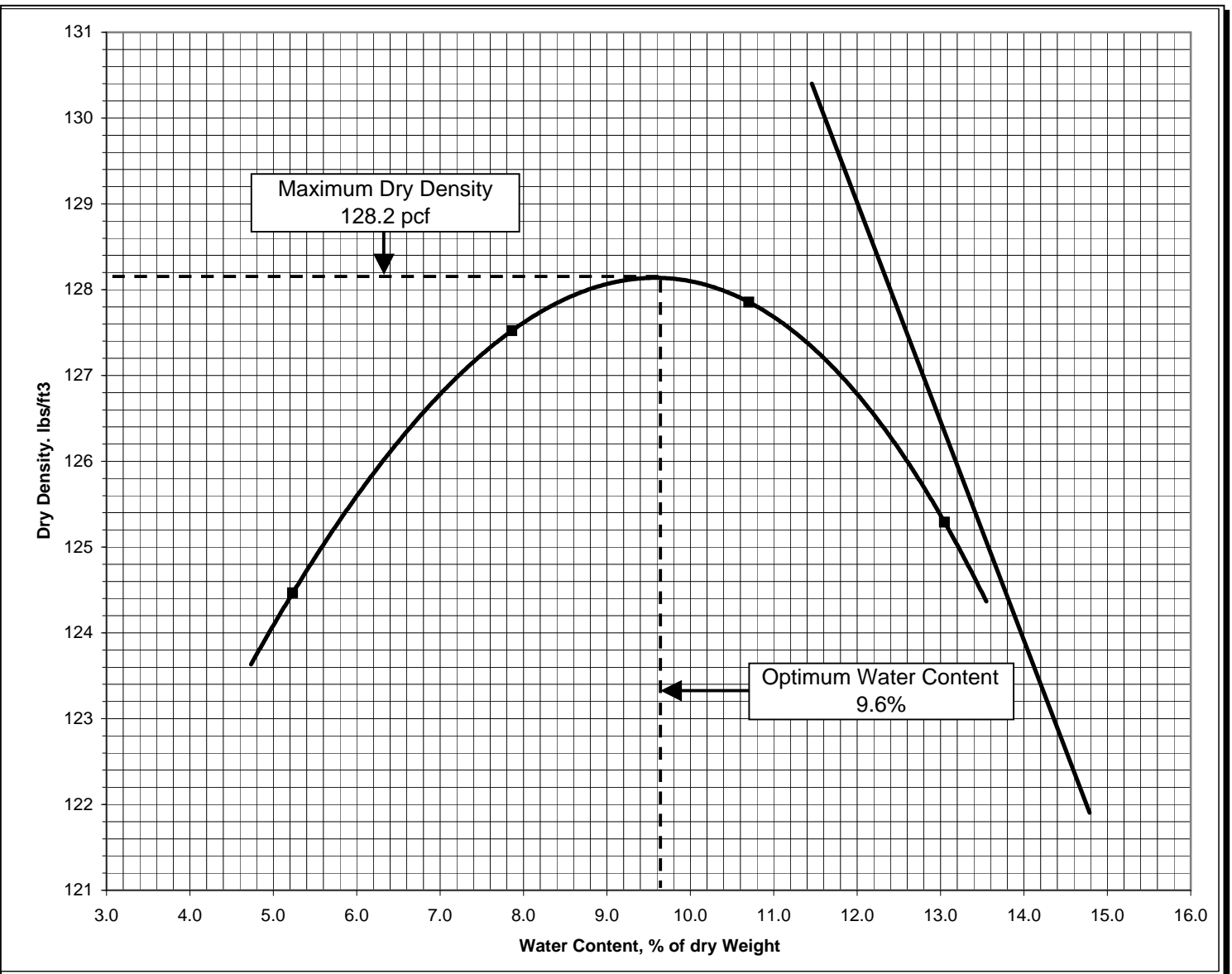
Source of Sample: Wallace (Toledo Pit)

Description of Sample: Gravel Borrow

Zero Void line plotted at Assumed SpG: 2.75
 Max. Density Uncorrected: 125.4

Test Results	
Optimum Water Content %	9.6
Max Dry Density Corr. lbs/ft ³	128.2

Sieve Analysis	
Sieve Size	Percent Retained
3/4	10%
3/8	35%
#4	48%



Tested By: Charles Schneider

Reviewed By:

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DATE: 10/29/2010

CLIENT: Clear Creek Contractors

PROJECT: Former Texaco #211556

PROJECT # P10171

LAB. # 10252

REPORT STATUS: Original Amended

SAMPLE DESCRIPTION:

Gravel Borrow -Sandy

Onsite Stockpile, Import from Wallace Pit Toledo

Date Sample Received: 10/19/2010

TEST RESULTS:

Proctor Analysis (ASTM D698, D1557 or AASHTO T99, T180)

See attached analysis sheet.

Tested By: Nancy Simmons
Date Tested: 10/28/2010

Reviewed By:



Michael S. Dolder, P.E.
Vice President

Moisture Density Relationship Test

Client: Clear Creek Contractors

Report Date: 10/29/2010

Project: Former Texaco #211556

Date Tested: 10/28/2010

Test Method: ASTM D-1557 Method C / C 127 / D 4718 (if needed)

Project Number: P10171

Lab Number: 10252

Wet Preparation Mechanical
 Dry Preparation Hand Tamper

Date Received: 10/19/2010

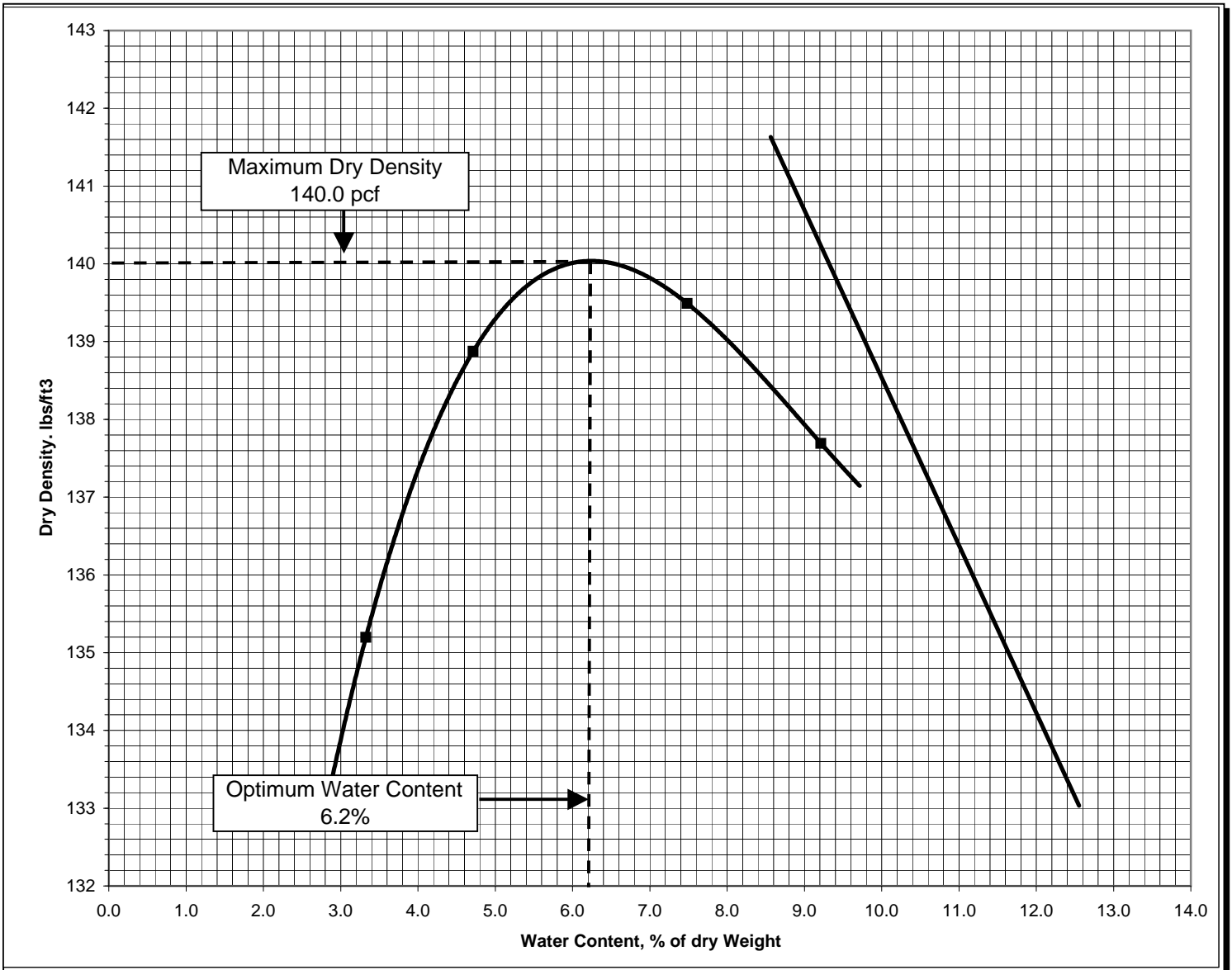
Source of Sample: Onsite Stockpile, Import from Wallace Pit Toledo

Description of Sample: Gravel Borrow -Sandy

Test Results	
Optimum Water Content %	6.2
Max Dry Density Corr. lbs/ft ³	140.0

Sieve Analysis	
Sieve Size	Percent Retained
3/4	29%
3/8	52%
#4	64%

Zero Void line plotted at SpG: 2.65
 Max. Density Uncorrected: 132.4



Tested By: Nancy Simmons

Reviewed By: _____

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Portland Office
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Portland, OR 97211
ph 503.281.7515

DATE: 10/27/2010

CLIENT: Clear Creek Contractors

PROJECT: Former Texaco #211556

PROJECT # P10171

LAB. # 10253

REPORT STATUS: Original Amended

SAMPLE DESCRIPTION:

1 1/4" Crushed

Onsite Stockpile, Import from Wallace Pit

Date Sample Received: 10/19/2010

TEST RESULTS:

Proctor Analysis (ASTM D698, D1557 or AASHTO T99, T180)

See attached analysis sheet.

Tested By: Karl Pauly
Date Tested: 10/26/2010

Reviewed By:



Michael S. Dolder, P.E.
Vice President

Moisture Density Relationship Test

Client: Clear Creek Contractors

Report Date: 10/27/2010

Project: Former Texaco #211556

Date Tested: 10/26/2010

Test Method: ASTM D-1557 Method C / C 127 / D 4718 (if needed)

Project Number: P10171

Lab Number: 10253

Wet Preparation Mechanical
 Dry Preparation Hand Tamper

Date Received: 10/19/2010

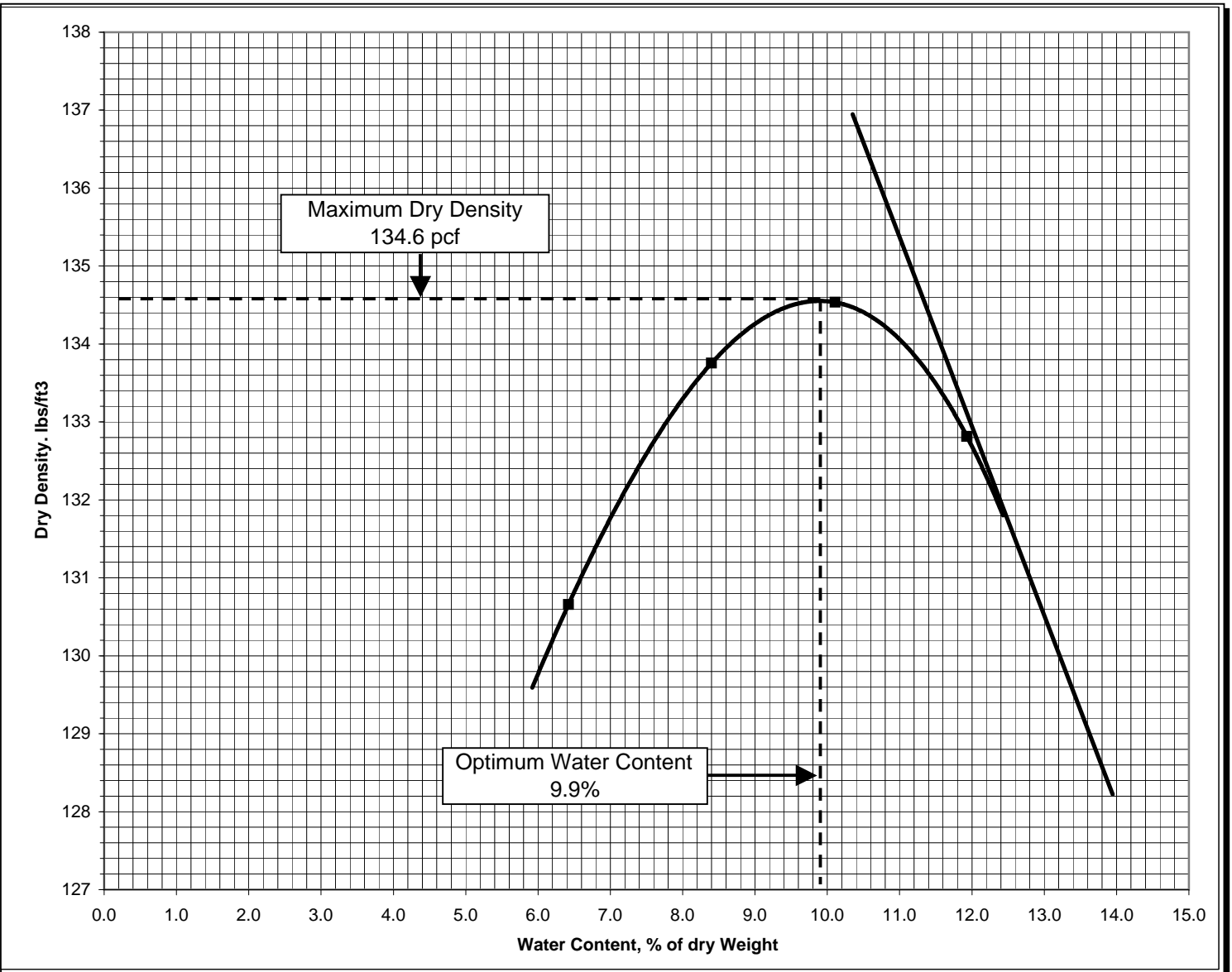
Source of Sample: Onsite Stockpile, Import from Wallace Pit

Description of Sample: 1 1/4" Crushed

Zero Void line plotted at SpG: 2.75
 Max. Density Uncorrected: 130.7

Test Results	
Optimum Water Content %	9.9
Max Dry Density Corr. lbs/ft ³	134.6

Sieve Analysis	
Sieve Size	Percent Retained
3/4	14%
3/8	54%
#4	74%



Tested By: Karl Pauly

Reviewed By: _____