

**OFFSITE INVESTIGATION REPORT
CHEVRON SITE NO. 352300
274 State Route
Tekoa, Washington**

January 15, 2013

**Prepared for:
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, California 94583**

**Prepared by:
SAIC Energy, Environment & Infrastructure, LLC
405 S 8th Street, Suite 301
Boise, Idaho 83702**

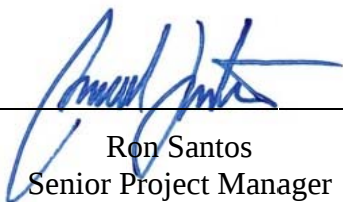


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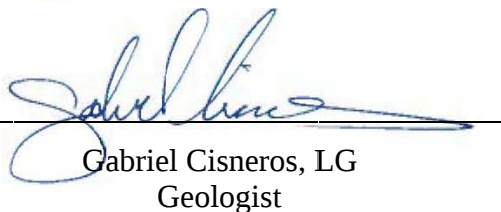
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OFFSITE INVESTIGATION REPORT CHEVRON SITE NO. 352300

1. INTRODUCTION

This report documents the activities and findings of a site investigation performed by SAIC Energy, Environment & Infrastructure, LLC (SAIC) on behalf of Chevron Environmental Management Company (CEMC) at Chevron site no. 352300 (the site), located in Tekoa, Washington. This investigation was performed as an independent action to define the lateral and vertical extent of residual hydrocarbon-affected soil on the property located to the south.

2. SITE BACKGROUND

2.1 SITE DESCRIPTION

The site is a former Chevron bulk plant located at 274 State Route in Tekoa, Washington. The former bulk plant property is owned by Chevron. The site is bounded by Little Hangman Creek, agricultural land, and State Highway 274 to the north; by the former Union Pacific Railroad line (tracks and ties have been removed) and agricultural land to the south; and by agricultural land to the east and west. The property is accessible via a short right-of-way leading south from State Route 274. The site is currently undeveloped, and the only site features are perimeter chain-link fencing, one electrical utility pole (disconnected), and a concrete bridge over Little Hangman Creek. A current site map is included as Figure 1.

2.2 SITE HISTORY

The site was purchased by Standard Oil Company in 1917 and operated as a bulk fuel storage facility until 1975, when it was closed. There were three (3) above ground 19,995-gallon tanks, of unknown contents and one (1) 18,137-gallon tank located on the site. The location and construction details of the smaller tank are unknown. All storage tanks and piping were removed from the site upon closure of the plant.

The site was leased by Cash Hardware Company from the late 1970s to 2004 and used to store John Deere farm equipment. Buildings associated with the plant, including a garage, warehouse, office, and pump house, were removed in 2005 under Chevron direction.

2.3 PREVIOUS INVESTIGATIONS

Two environmental investigations were performed at the site in 2007 and 2008. The results of the investigations and groundwater monitoring have confirmed petroleum impacts in both soil and groundwater and are summarized in the SAIC 2011 Conceptual Site Model report.

During April 2012, an investigation was conducted to define the lateral and vertical extent of residual hydrocarbon-affected soil at the center and southeastern portion of the site. The results of the investigation concluded that the primary location for residual hydrocarbon-affected soil is in the central and southwest portion of the site. The investigation also determined that lateral extent of petroleum concentrations were not fully defined at the central portion of the southern property boundary. The findings of this investigation are summarized in the SAIC 2012 Site Investigation Report.

3. SITE ASSESSMENT ACTIVITIES

3.1 OBJECTIVES AND PRE-FIELD ACTIVITIES

The primary objective of the site investigation was to collect additional data to delineate the lateral extent of residual hydrocarbon-affected soil on the property located to the south of the former bulk plant property. Before commencing field work, a site-specific health and safety plan was prepared in accordance with SAIC policy and CEMC protocol.

3.2 SUBSURFACE UTILITY LOCATION

Prior to beginning the site investigation activities, all underground utilities were marked by the public Utilities Underground Location Center. In addition, a private utility locator performed a geophysical survey to verify the presence of all subsurface structures on the subject property within the vicinity of the proposed soil boring locations.

3.3 BORING INSTALLATION AND SOIL SAMPLING

Between October 8 and 11, 2012, 17 soil borings (B-20 through B-36) were completed at depths between 9.5 and 14.5 feet below ground surface (bgs) using a hand auger. Locations of the soil borings are shown on Figure 1, and boring logs are provided in Appendix A.

During hand auger operations, soil samples were collected at 1- and 2-foot intervals between the ground surface and total depth explored. Following completion, each boring was backfilled and completed to match surface material.

Each soil boring location was logged by a geologist in accordance with the Unified Soil Classification System (USCS) Visual-Manual Procedure (American Society for Testing and Materials Method D2488). Soil samples from each boring were screened for the presence of hydrocarbons using a photo-ionization detector (PID), and the results were recorded on the soil boring logs. Soil samples were selected for laboratory analysis based on field observations including headspace screening concentrations and sheen.

Samples selected for laboratory analysis were analyzed for:

- Gasoline-range hydrocarbons by Northwest Method NWTPH-Gx;
- Diesel-range hydrocarbons and heavy oil-range hydrocarbons by Northwest Method NWTPH-Dx extended;
- Benzene, toluene, ethylbenzene, total xylenes, and naphthalene by United States Environmental Protection Agency (USEPA) Method 8260B; and
- Total lead by USEPA Method 6010B.

Samples collected for laboratory analysis were submitted under chain-of-custody protocol to Eurofins Lancaster Laboratories in Lancaster, Pennsylvania. Soil analytical results are summarized in Table 1. The laboratory analysis reports are provided as Appendix B.

3.4 EQUIPMENT DECONTAMINATION

All reusable soil sampling equipment was decontaminated by washing in a Liquinox[™] solution followed by an initial rinse in tap bottled water, a subsequent rinse-off in a separate bucket with bottled water, and a final rinse in distilled water. In addition, sample collection bowls and sheen pans were decontaminated immediately after collecting, logging, and screening each sample. All

other single-use disposable soil sampling materials/equipment (e.g. gloves, single-use sample syringes, and plastic bags) were discarded immediately after use and disposed of as municipal waste.

4. FINDINGS

4.1 GEOLOGY

The lithology is generally consistent across the site. The site subsurface soil consists of sandy silt to silt between ground surface and maximum depth explored. Lenses of sand and gravel fill were observed at depths between 0 and 0.5 feet bgs, sandy silt and silt with low to high plasticity were observed at depths between 0 and 13.5 feet bgs, and silty sand and fine-to-medium sand with occasional gravel were observed at depths between 8.5 and 14.5 feet bgs. Bedrock was observed between 9.5 and 14.5 feet bgs.

4.2 HYDROGEOLOGY

Historical groundwater data indicate that groundwater depths range between approximately 0.29 and 7.19 feet bgs. Groundwater at the site is perched on the bedrock and fluctuates due to seasonal variations. During the October 2012 investigation, groundwater was only encountered in eleven of the soil borings just above bedrock.

4.3 RESULTS

Analytical data indicate that hydrocarbon-affected soil is present on the property located to the south between the former bulk plant property and the former Union Pacific railroad tracks (Figure 2). Soil analytical results are summarized in Table 1 and laboratory reports are presented in Appendix B.

Based on analytical results and field screening, the shallowest hydrocarbon-affected soil was found in the vicinity of B-21 through B-24; just south of the former warehouse, former pump house, and former ASTs. Soil borings B-29 through B-31 and B-34 through B-36 did not detect any petroleum constituent concentrations above their respective MTCA Method A cleanup levels and define the lateral extent of hydrocarbon-affected soil along the southern and eastern boundaries (Figure 3). Hydrocarbon-affected soil is vertically delineated by bedrock that is encountered between 8.5 to 14.5 feet bgs.

5. CONCLUSIONS

This site assessment was completed to further define the lateral and vertical extent of residual hydrocarbon-affected soil on the property located to the south (Figure 3). Seventeen soil borings were completed on the offsite property to depths ranging from 9.5 to 14.5 feet bgs (vertically bounded by bedrock). The highest hydrocarbon concentrations were detected south of the former warehouse, former pump house, and former ASTs.

Based on the results of site assessment activities conducted in April and October 2012, hydrocarbon-affected soil concentrations that exceed MTCA Method A cleanup levels were detected at depths ranging from 2 to 11.5 feet bgs. These soils are present primarily in the central and southeastern portions of the site and laterally extend up to 65 feet beyond the southern property boundary as shown on Figure 3. In addition, as the distance increases from the

source area, hydrocarbon-affected soil was only encountered as a thin smear zone above the bedrock.

REPORT LIMITATIONS

This technical document was prepared on behalf of Chevron and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by SAIC. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges that they do so at their own risk, and that SAIC shall have no responsibility or liability for the consequences thereof.

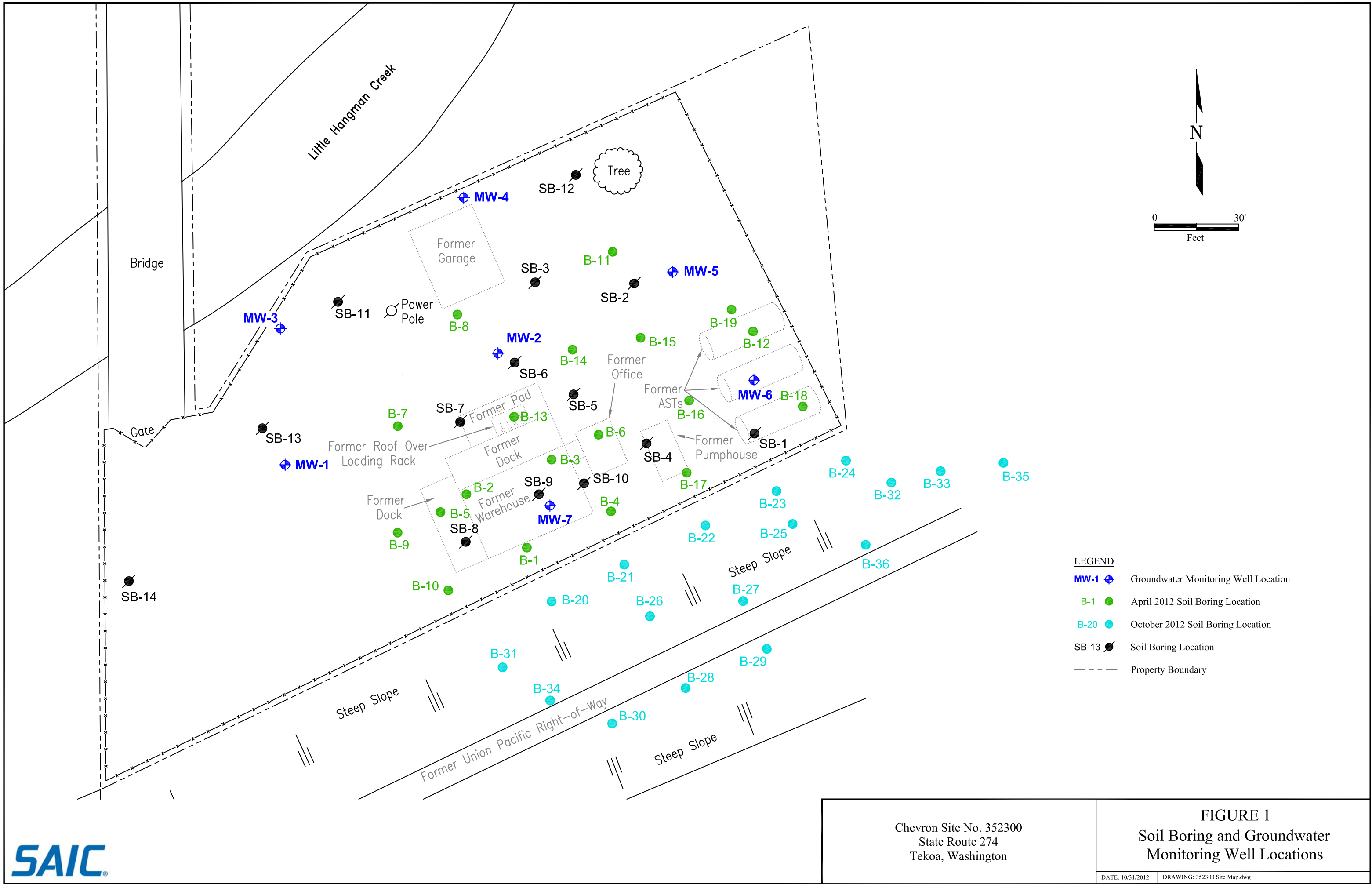
Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from CEMC and others. SAIC has not made, nor has it been asked to make, any independent investigation concerning the accuracy, reliability, or completeness of such information beyond that described in this technical document.

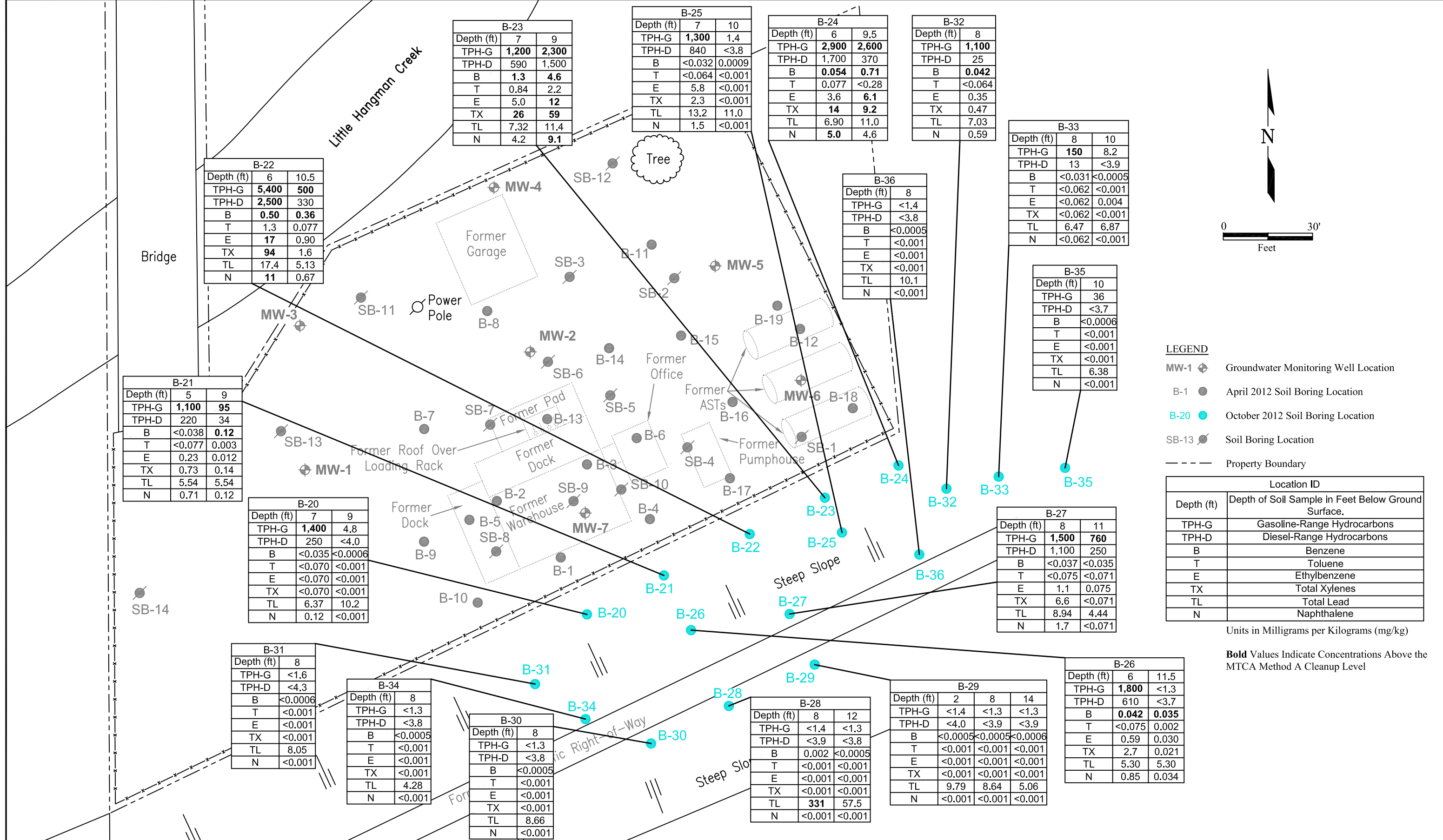
Recognizing reasonable limits of time and cost, this technical document cannot wholly eliminate uncertainty regarding the vertical and lateral extent of impacted environmental media.

Opinions and recommendations presented in this technical document apply only to site conditions and features as they existed at the time of SAIC's site visits or site work and cannot be applied to conditions and features of which SAIC is unaware and has not had the opportunity to evaluate.

All sources of information on which SAIC has relied in making its conclusions (including direct field observations) are identified by reference in this technical document or in appendices attached to this technical document. Any information not listed by reference or in appendices has not been evaluated or relied upon by SAIC in the context of this technical document. The conclusions, therefore, represent our professional opinion based on the identified sources of information.

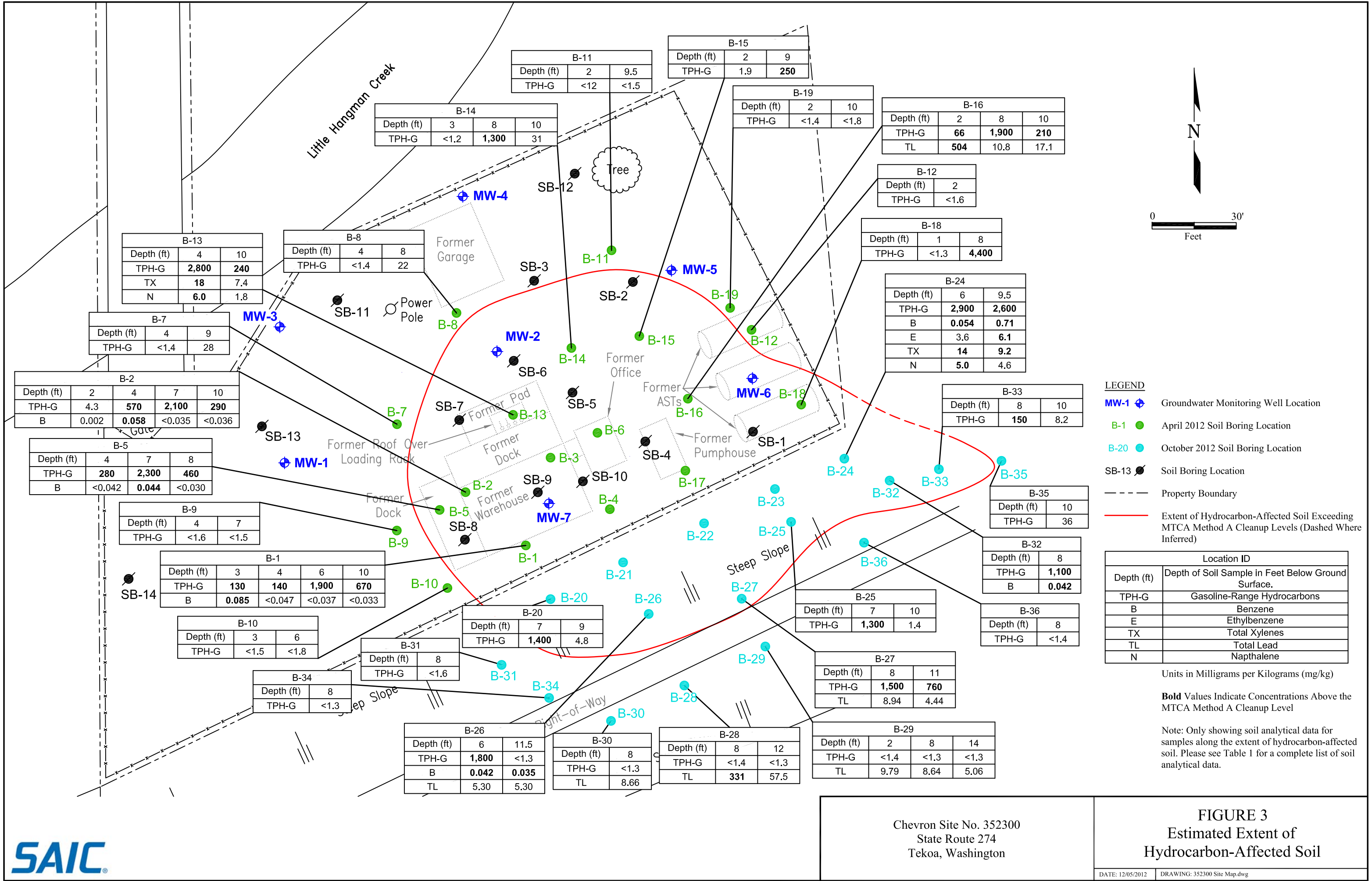
Figures





Chevron Site No. 352300
State Route 274
Tekoa, Washington

FIGURE 2
October 2012
Soil Analytical Results



Table

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA
CHEVRON SITE NO. 352300
274 State Route, Tekoa, Washington
Concentrations in mg/kg

Sample Identification	Sample Depth (ft)	Sample Date	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total Lead	EDB	EDC	MTBE	n-Hexane	Naphthalene
SITE INVESTIGATION REPORT - APRIL 2012															
B-1	3	04/17/12	130	1,400	1,700	0.085	0.090	0.36	2.5	11.5	<0.089	--	--	--	0.20
	4	04/17/12	140	12	<14	<0.047	<0.094	<0.094	0.26	10.6	<0.094	--	--	--	0.18
	6	04/17/12	1,900	200	<150	<0.037	<0.074	0.59	3.4	24.1	<0.074	--	--	--	0.32
	10	04/17/12	670	88	<150	<0.033	<0.066	0.072	0.36	7.86	<0.066	--	--	--	<0.066
B-2	2	04/17/12	4.3	<3.7	<12	0.002	0.001	<0.001	0.004	114	<0.001	--	--	--	<0.001
	4	04/17/12	570	57	<160	0.058	<0.081	0.36	3.1	13.0	<0.081	--	--	--	1.2
	7	04/17/12	2,100	590	<160	<0.035	<0.071	<0.071	0.21	26.3	<0.071	<0.071	<0.035	0.65	0.083
	10	04/17/12	290	35	<12	<0.036	<0.072	<0.072	0.12	106	<0.072	--	--	--	0.15
B-3	5	04/17/12	1,100	590	<68	<0.037	<0.074	0.14	0.50	10.3	<0.074	--	--	--	0.20
	8	04/17/12	470	310	15	<0.040	<0.080	0.18	2.8	9.31	<0.080	--	--	--	1.0
B-4	5	04/17/12	2,500	2,700	<150	<0.037	<0.073	0.44	7.5	14.2	<0.073	--	--	--	2.9
	10	04/17/12	30	8.2	<13	0.003	<0.001	0.015	0.12	7.80	0.004	--	--	--	7.80
B-5	4	04/17/12	280	16	<13	<0.042	<0.084	0.17	0.79	13.1	<0.084	--	--	--	0.37
	7	04/17/12	2,300	470	<65	0.044	<0.066	0.49	4.4	13.9	<0.066	--	--	--	1.4
	8	04/17/12	460	21	<11	<0.030	<0.059	<0.059	<0.059	82.8	<0.059	--	--	--	0.072
B-6	5	04/17/12	1,300	170	<14	0.091	0.10	1.5	18	24.0	<0.081	--	--	--	4.9
	10	04/17/12	82	4.2	<12	0.001	<0.001	0.044	0.15	10.5	0.001	--	--	--	0.014
B-7	4	04/18/12	<1.4	<4.0	<13	0.001	<0.001	<0.001	<0.001	11.1	<0.001	--	--	--	<0.001
	9	04/18/12	28	<3.6	<12	0.002	<0.001	0.009	0.053	10.2	<0.001	--	--	--	0.013
B-8	4	04/18/12	<1.4	<3.8	<13	0.002	<0.001	<0.001	<0.001	8.93	<0.001	--	--	--	<0.001
	8	04/18/12	22	16	<13	0.0006	<0.001	<0.001	<0.001	11.2	<0.001	--	--	--	<0.001
B-9	4	04/18/12	<1.6	<3.9	<13	<0.0006	<0.001	<0.001	<0.001	11.9	<0.001	--	--	--	<0.001
	7	04/18/12	<1.5	<4.0	<13	0.0007	<0.001	<0.001	<0.001	13.2	<0.001	--	--	--	<0.001
B-10	3	04/18/12	<1.5	<4.0	<13	<0.0005	<0.001	<0.001	<0.001	10.6	<0.001	--	--	--	<0.001
	6	04/18/12	<1.8	<4.1	<14	0.001	<0.001	<0.001	<0.001	11.8	<0.001	--	--	--	<0.001
B-11	2	04/18/12	<12	130	340	<0.0005	<0.001	<0.001	<0.001	48.0	<0.001	--	--	--	<0.001
	9.5	04/18/12	<1.5	<4.0	<13	0.0006	<0.001	<0.001	<0.001	12.5	<0.001	--	--	--	<0.001
B-12	2	04/18/12	<1.6	<4.0	<13	0.0006	<0.001	<0.001	<0.001	11.3	<0.001	--	--	--	<0.001
B-13	4	04/18/12	2,800	350	<160	<0.070	<0.14	1.1	18	23.7	<0.14	<0.14	<0.070	1.2	6.0
	10	04/18/12	240	<50	<170	<0.040	<0.080	0.32	7.4	33.8	<0.080	--	--	--	1.8
B-14	3	04/18/12	<1.2	<3.7	<12	<0.0005	<0.001	<0.001	<0.001	12.2	<0.001	--	--	--	<0.001
	8	04/18/12	1,300	<45	<150	<0.035	<0.070	<0.070	<0.070	8.37	<0.070	--	--	--	0.11
	10	04/18/12	31	<3.7	<12	<0.0005	<0.001	<0.001	<0.001	7.91	<0.001	--	--	--	<0.001
B-15	2	04/19/12	1.9	<3.8	41	0.005	0.003	<0.001	0.002	102	<0.001	--	--	--	<0.001
	9	04/19/12	250	31	<14	<0.040	<0.081	<0.081	0.082	10.2	<0.081	--	--	--	<0.081
B-16	2	04/19/12	66	170	59	0.009	0.012	<0.001	0.006	504	<0.001	--	--	--	<0.001
	8	04/19/12	1,900	71	<14	<0.040	<0.080	1.8	3.1	10.8	<0.080	<0.080	<0.040	0.58	0.50
	10	04/19/12	210	17	<13	<0.034	<0.068	<0.068	<0.068	17.1	<0.068	--	--	--	<0.068
B-17	2	04/19/12	<13	6.3	<13	0.010	0.003	<0.001	<0.001	89.6	<0.001	--	--	--	<0.001
	9	04/19/12	5.3	24	<13	0.11	<0.001	0.003	0.004	12.3	<0.001	--	--	--	<0.001

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CHEVRON SITE NO. 352300
274 State Route, Tekoa, Washington
Concentrations in mg/kg

Sample Identification	Sample Depth (ft)	Sample Date	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total Lead	EDB	EDC	MTBE	n-Hexane	Naphthalene
B-18	1	04/19/12	<1.3	<3.8	<13	0.0006	<0.001	<0.001	<0.001	23.1	<0.001	--	--	--	<0.001
	8	04/19/12	4,400	400	<62	<0.031	<0.062	2.0	3.0	8.88	<0.062	--	--	--	1.9
B-19	2	04/19/12	<1.4	<3.8	68	0.0005	<0.001	<0.001	<0.001	10.4	<0.001	--	--	--	<0.001
	10	04/19/12	<1.8	<4.4	<15	0.0008	<0.001	<0.001	<0.001	11.2	<0.001	--	--	--	<0.001
OFF PROPERTY INVESTIGATION - OCTOBER 2012															
B-20	7	10/08/12	1,400	250	<25	<0.035	<0.070	<0.070	<0.070	6.37	--	--	--	--	0.12
	9	10/08/12	4.8	<4.0	<13	<0.0006	<0.001	<0.001	<0.001	10.2	--	--	--	--	<0.001
B-21	5	10/08/12	1,100	220	<14	<0.038	<0.077	0.23	0.73	5.54	--	--	--	--	0.71
	9	10/08/12	95	34	<12	0.12	0.003	0.012	0.14	5.54	--	--	--	--	0.12
B-22	6	10/09/12	5,400	2,500	<120	0.50	1.3	17	94	17.4	--	--	--	--	11
	10.5	10/09/12	500	330	<26	0.36	0.077	0.90	1.6	5.13	--	--	--	--	0.67
B-23	7	10/09/12	1,200	590	<120	1.3	0.84	5.0	26	7.32	--	--	--	--	4.2
	9	10/09/12	2,300	1,500	<110	4.6	2.2	12	59	11.4	--	--	--	--	9.1
B-24	6	10/09/12	2,900	1,700	<120	0.054	0.077	3.6	14	6.90	--	--	--	--	5.0
	9.5	10/09/12	2,600	370	<62	0.71	<0.28	6.1	9.2	11.0	--	--	--	--	4.6
B-25	7	10/09/12	1,300	840	<120	<0.032	<0.064	5.8	2.3	13.2	--	--	--	--	1.5
	10	10/09/12	1.4	<3.8	<13	0.0009	<0.001	<0.001	<0.001	11.0	--	--	--	--	<0.001
B-26	6	10/09/12	1,800	610	<64	0.042	<0.075	0.59	2.7	5.30	--	--	--	--	0.85
	11.5	10/09/12	<1.3	<3.7	<12	0.035	0.002	0.030	0.021	5.30	--	--	--	--	0.034
B-27	8	10/09/12	1,500	1,100	<130	<0.037	<0.075	1.1	6.6	8.94	--	--	--	--	1.7
	11	10/09/12	760	250	<13	<0.035	<0.071	0.075	<0.071	4.44	--	--	--	--	<0.071
B-28	8	10/10/12	<1.4	<3.9	<13	0.002	<0.001	<0.001	<0.001	331	--	--	--	--	<0.001
	12	10/10/12	<1.3	<3.8	<13	<0.0005	<0.001	<0.001	<0.001	57.5	--	--	--	--	<0.001
B-29	2	10/10/12	<1.4	<4.0	<13	<0.0005	<0.001	<0.001	<0.001	9.79	--	--	--	--	<0.001
	8	10/10/12	<1.3	<3.9	<13	<0.0005	<0.001	<0.001	<0.001	8.64	--	--	--	--	<0.001
	14	10/10/12	<1.3	<3.9	<13	<0.0006	<0.001	<0.001	<0.001	5.06	--	--	--	--	<0.001
B-30	8	10/10/12	<1.3	<3.8	<13	<0.0005	<0.001	<0.001	<0.001	8.66	--	--	--	--	<0.001
B-31	8	10/10/12	<1.6	<4.3	16	<0.0006	<0.001	<0.001	<0.001	8.05	--	--	--	--	<0.001
B-32	8	10/10/12	1,100	25	<12	0.042	<0.064	0.35	0.47	7.03	--	--	--	--	0.59
B-33	8	10/11/12	150	13	<12	<0.031	<0.062	<0.062	<0.062	6.47	--	--	--	--	<0.062
	10	10/11/12	8.2	<3.9	<13	<0.0005	<0.001	0.004	<0.001	6.87	--	--	--	--	<0.001
B-34	8	10/11/12	<1.3	<3.8	<13	<0.0005	<0.001	<0.001	<0.001	4.28	--	--	--	--	<0.001
B-35	10	10/11/12	36	<3.7	<12	<0.0006	<0.001	<0.001	<0.001	6.38	--	--	--	--	<0.001
B-36	8	10/11/12	<1.4	<3.8	<13	<0.0005	<0.001	<0.001	<0.001	10.1	--	--	--	--	<0.001
MTCA Method A Cleanup Levels:			30/100	2,000	2,000	0.03	7	6	9	250	0.005	—	0.1	—	5

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA
CHEVRON SITE NO. 352300
274 State Route, Tekoa, Washington
Concentrations in mg/kg

EXPLANATIONS:

Analytical results in bold indicate concentrations exceed MTCA Method A cleanup levels.
Laboratory analysis completed by Eurofins Lancaster Laboratories, Inc. in Lancaster, Pennsylvania.
There are two cleanup levels for TPH-G, 30 mg/kg and 100 mg/kg. The higher level (100 mg/kg) is used if benzene is not detected in the soil sample.

BTEX = Benzene, toluene, ethylbenzene, and total xylenes	TPH-G = TPH as gasoline-range organics
EDB = 1,2-Dichloroethane	TPH-D = TPH as diesel-range organics
EDC = 1,2-Dibromoethane	TPH-O = TPH as heavy oil-range organics
MTBE = Methyl Tertiary Butyl Ether	USEPA = United States Environmental Protection Agency
ft = feet	— = Not Applicable
MTCA = Model Toxics Control Act	-- = Not Analyzed
mg/kg = Milligrams per kilogram	< = Analyte not detected at or above the laboratory reporting limit
TPH = Total petroleum hydrocarbons	

ANALYTICAL METHODS:

TPH-G analyzed by NWTPH-Gx.
TPH-D and TPH-O analyzed by NWTPH-Dx.
BTEX, EDB, EDC, MTBE, n-Hexane, and Naphthalene analyzed by USEPA Method 8260B.
Lead analyzed by USEPA Method 6010B.

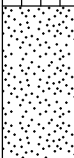
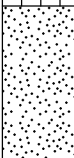
Appendix A: Boring Logs



Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: G. Cisneros
Date Started: 10/8/2012
Date Completed: 10/8/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 10 ft
Elevation: ft

MOISTURE CONTENT	ORGANIC VAPOR (ppm)	SAMP. INTERVAL	ANALYTICAL SAMPLE	ANALYTICAL RESULTS (mg/kg)	U.S.C.S. SYMBOL	GRAPHIC LOG	DEPTH (ft)	LITHOLOGY/DESCRIPTION	
Moist	5.1		 B-20-7	G = 1,400 D = 250 HO = <25 B = <0.035	ML		0	SAND & GRAVEL (FILL).	
		1					(ML) Brown, soft, sandy SILT with low plasticity; no odor, no sheen.		
		2					Same As Above; no odor, no sheen.		
Moist	4.4						3	3	Same As Above; no odor, no sheen.
		4						Same As Above; no odor, no sheen.	
		5						Same As Above; no odor, no sheen.	
Moist	3.2						6	6	Dark brown, firm SILT with high plasticity; no odor, no sheen.
		7						Dark olive gray, stiff SILT with high plasticity; moderate odor, slight sheen.	
		8						Olive gray, stiff SILT with low plasticity; moderate odor, no sheen.	
Moist	2.3						9	9	(SP) Gray, medium dense, fine SAND; no odor, no sheen.
		10						Bedrock at 10 feet.	
		11						Bottom of borehole at 10.0 feet.	
Moist	5.5		 B-20-9	G = 4.8 D = <4.0 HO = <13 B = <0.0006	SP		9	(SP) Gray, medium dense, fine SAND; no odor, no sheen.	
		10					Bedrock at 10 feet.		
		11					Bottom of borehole at 10.0 feet.		
Moist	6.0		10	10	10		10	Bedrock at 10 feet.	
		11					Bottom of borehole at 10.0 feet.		
		12					Bottom of borehole at 10.0 feet.		
Wet	20.0		 B-20-9	G = 4.8 D = <4.0 HO = <13 B = <0.0006	SP		9	(SP) Gray, medium dense, fine SAND; no odor, no sheen.	
		10					Bedrock at 10 feet.		
		11					Bottom of borehole at 10.0 feet.		
							10	Bedrock at 10 feet.	
							11	Bottom of borehole at 10.0 feet.	
							12	Bottom of borehole at 10.0 feet.	



Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: G. Cisneros
Date Started: 10/8/2012
Date Completed: 10/8/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 9.5 ft
Elevation: ft

[illegible]



18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Soil Boring: B-22

Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: C. Wildt
Date Started: 10/9/2012
Date Completed: 10/9/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 11 ft
Elevation: ft

MOISTURE CONTENT	ORGANIC VAPOR (ppm)	SAMP. INTERVAL	ANALYTICAL SAMPLE	ANALYTICAL RESULTS (mg/kg)	U.S.C.S. SYMBOL	GRAPHIC LOG	DEPTH (ft)	LITHOLOGY/DESCRIPTION
								SAND and GRAVEL (FILL).
Moist	36.2						1	
							2	Brown, sandy SILT; no odor, no sheen.
Moist	395						3	
							4	Gray, sandy SILT; moderate odor, moderate sheen.
							5	
Moist	3163		B-22-6	G = 5,400 D = 2,500 HO = <120 B = 0.50	ML		6	(ML) Gray, sandy SILT; heavy odor, heavy sheen.
							7	
Moist	1091						8	Gray, sandy SILT; heavy odor, heavy sheen.
							9	
Moist	160						10	Brown, stiff SILT; moderate odor, no sheen.
								(SM) Gray, stiff, silty SAND; moderate odor, no sheen.
Wet	1330		B-22-10.5	G = 500 D = 330 HO = <26 B = 0.36	SM		11	Refusal at 11 feet.
								Bottom of borehole at 11.0 feet.
							12	



Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: G. Cisneros
 Date Started: 10/9/2012
 Date Completed: 10/9/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 9.5 ft
Elevation: ft

[illegible]



18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Soil Boring: B-24

Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: C. Wildt
Date Started: 10/9/2012
Date Completed: 10/9/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 9.5 ft
Elevation: ft

MOISTURE CONTENT	ORGANIC VAPOR (ppm)	SAMP. INTERVAL	ANALYTICAL SAMPLE	ANALYTICAL RESULTS (mg/kg)	U.S.C.S. SYMBOL	GRAPHIC LOG	DEPTH (ft)	LITHOLOGY/DESCRIPTION
								FILL.
								(ML)
Moist	13.4						1	
							2	Mottled brown/dark brown SILT; no odor, no sheen.
							3	
Moist	100						4	Medium brown, sandy SILT; no odor, no sheen.
					ML		5	
Moist	916		B-24-6	G = 2,900 D = 1,700 HO = <120 B = 0.054			6	Gray, sandy SILT; moderate odor, moderate sheen.
							7	
Moist	750						8	Light brown, fine SILT; moderate odor, slight sheen.
							9	Dark brown, sandy SILT; slight odor, no sheen.
Moist	758		B-24-9.5	G = 2,600 D = 370 HO = <62 B = 0.71				Bedrock at 9.5 feet.
								Bottom of borehole at 9.5 feet.
							10	
							11	
							12	



18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Soil Boring: B-25

Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: G. Cisneros
Date Started: 10/9/2012
Date Completed: 10/9/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 11.25 ft
Elevation: ft

MOISTURE CONTENT	ORGANIC VAPOR (ppm)	SAMP. INTERVAL	ANALYTICAL SAMPLE	ANALYTICAL RESULTS (mg/kg)	U.S.C.S. SYMBOL	GRAPHIC LOG	DEPTH (ft)	LITHOLOGY/DESCRIPTION
								SAND & GRAVEL (FILL).
								(ML)
Moist	8.0						1	
							2	Light brown, stiff, sandy SILT; no odor, no sheen.
							3	
Moist	12.4				ML		4	Light brown, stiff SILT with medium plasticity; no odor, no sheen.
							5	
Moist	190						6	Olive gray, stiff SILT with high plasticity; moderate odor, slight sheen.
							7	Olive gray, firm, sandy, coarse SILT with low plasticity; strong odor, moderate sheen.
	1445		B-25-7	G = 1,300 D = 840 HO = <120 B = <0.032			8	Same As Above; moderate odor, slight sheen.
Moist	1011						9	(SP) Brown, medium dense, fine to medium SAND; slight odor, no sheen.
							10	
	56				SP		10	Same As Above; no odor, no sheen.
Moist	23.6		B-25-10	G = 1.4 D = <3.8 HO = <13 B = 0.0009			11	(SM) Gray, medium dense, silty, fine SAND; no odor, no sheen.
Wet	12.1				SM		11	Bedrock at 11.25 feet.
								Bottom of borehole at 11.3 feet.
							12	



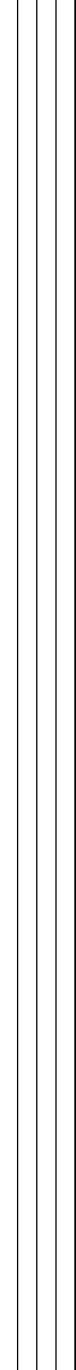
18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Soil Boring: B-26

Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: C. Wildt
Date Started: 10/9/2012
Date Completed: 10/9/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 11.5 ft
Elevation: ft

MOISTURE CONTENT	ORGANIC VAPOR (ppm)	SAMP. INTERVAL	ANALYTICAL SAMPLE	ANALYTICAL RESULTS (mg/kg)	U.S.C.S. SYMBOL	GRAPHIC LOG	DEPTH (ft)	LITHOLOGY/DESCRIPTION
								FILL.
								(ML) Brown SILT; no odor, no sheen.
Moist	6.0						1	
Moist	8.0						2	Same As Above; no odor, no sheen.
							3	
Moist	12.4						4	Brown, stiff SILT; no odor, no sheen.
							5	
Moist	1605		B-26-6	G = 1.800 D = 610 HO = <64 B = 0.042	ML		6	Olive, stiff SILT; moderate odor, slight sheen.
Moist	1160						7	Same As Above; moderate odor, slight sheen.
Moist	742						8	Same As Above; stiff SILT; moderate odor, slight sheen.
							9	
Moist	850						10	Olive gray SILT; slight odor, no sheen.
Moist	194		B-26-11.5	G = <1.3 D = <3.7 HO = <12 B = 0.035			11	Same As Above; slight odor, no sheen. Bedrock at 11.5 feet.
								Bottom of borehole at 11.5 feet.
							12	



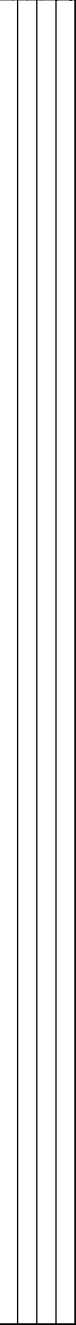
18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Soil Boring: B-27

Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: G. Cisneros
Date Started: 10/9/2012
Date Completed: 10/9/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 12 ft
Elevation: ft

MOISTURE CONTENT	ORGANIC VAPOR (ppm)	SAMP. INTERVAL	ANALYTICAL SAMPLE	ANALYTICAL RESULTS (mg/kg)	U.S.C.S. SYMBOL	GRAPHIC LOG	DEPTH (ft)	LITHOLOGY/DESCRIPTION
								SAND & GRAVEL (FILL).
							1	(ML) Brown to light brown, firm, sandy, coarse SILT.
Moist	5.2						2	Same As Above; no odor, no sheen.
							3	Brown, stiff SILT with medium plasticity; no odor, no sheen.
Moist	4.3						4	Olive, stiff SILT with high plasticity; no odor, no sheen.
							5	
Moist	6.1				ML		6	Same As Above; no odor, no sheen.
							7	Olive gray, hard SILT with high plasticity; slight odor, slight sheen.
Moist	90.3						8	Olive gray, hard SILT with medium plasticity; moderate odor, slight sheen.
			B-27-8	G = 1,500 D = 1,100 HO = <130 B = <0.037			9	Same As Above; slight odor, no sheen.
Moist	1144						10	
Wet	736						11	Light brown, stiff SILT; slight odor, slight sheen.
Sat.	658		B-27-11	G = 760 D = 250 HO = <13 B = <0.035			12	Bedrock at 12 feet.
							13	Bottom of borehole at 12.0 feet.



18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Soil Boring: B-28

Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: C. Wildt
Date Started: 10/10/2012
Date Completed: 10/10/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 12.5 ft
Elevation: ft

MOISTURE CONTENT	ORGANIC VAPOR (ppm)	SAMP. INTERVAL	ANALYTICAL SAMPLE	ANALYTICAL RESULTS (mg/kg)	U.S.C.S. SYMBOL	GRAPHIC LOG	DEPTH (ft)	LITHOLOGY/DESCRIPTION
								GRAVEL FILL.
Sat.	4.1						1	(ML) Brown, stiff SILT; no odor, no sheen.
Sat.	1.3						2	Same As Above; no odor, no sheen.
Wet	3.8						3	
Wet	0.7				ML		4	Light brown, stiff SILT; no odor, no sheen.
Moist	6.2		B-28-8	G = <1.4 D = <3.9 HO = <13 B = 0.002			5	
Moist	2.6						6	Same As Above.
Wet	7.2		B-28-12	G = <1.3 D = <3.8 HO = <13 B = <0.0005			7	Same As Above.
							8	Same As Above; no odor, no sheen.
							9	
							10	Same As Above; no odor, no sheen.
							11	
							12	Medium brown SILT with 20% small gravel.
							12.5	Bedrock at 12.5 feet.
							13	Bottom of borehole at 12.5 feet.



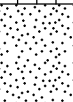
18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Soil Boring: B-29

Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: G. Cisneros
Date Started: 10/10/2012
Date Completed: 10/10/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 14.5 ft
Elevation: ft

MOISTURE CONTENT	ORGANIC VAPOR (ppm)	SAMP. INTERVAL	ANALYTICAL SAMPLE	ANALYTICAL RESULTS (mg/kg)	U.S.C.S. SYMBOL	GRAPHIC LOG	DEPTH (ft)	LITHOLOGY/DESCRIPTION
Moist							1	(ML) Olive brown, firm SILT with high plasticity; no odor, no sheen.
Wet	4.6		B-29-2	G = <1.4 D = <4.0 HO = <13 B = <0.0005			2	Olive brown, stiff SILT with high plasticity; no odor, no sheen.
Sat.	3.8						3	
							4	Olive brown, firm, sandy SILT with moderate plasticity; no odor, no sheen.
							5	
Sat.	2.3						6	Olive, stiff SILT with high plasticity; no odor, no sheen.
					ML		7	
Sat.	5.0		B-29-8	G = <1.3 D = <3.9 HO = <13 B = <0.0005			8	Same As Above; no odor, no sheen.
							9	
Sat.	5.7						10	Same As Above; no odor, no sheen.
							11	
Wet	7.2						12	Same As Above; no odor, no sheen.
							13	
Sat.	4.2		B-29-14	G = <1.3 D = <3.9 HO = <13 B = <0.0006	SP		14	(SP) Olive, dense, fine to medium SAND; no odor, no sheen.
								Refusal at 14.5 feet.
							15	Bottom of borehole at 14.5 feet.



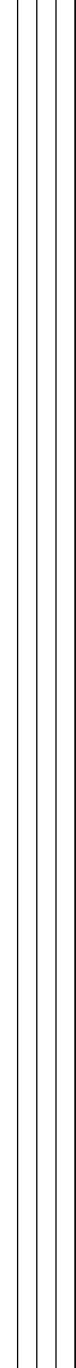
18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Soil Boring: B-30

Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: C. Wildt
Date Started: 10/10/2012
Date Completed: 10/10/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 11.5 ft
Elevation: ft

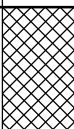
MOISTURE CONTENT	ORGANIC VAPOR (ppm)	SAMP. INTERVAL	ANALYTICAL SAMPLE	ANALYTICAL RESULTS (mg/kg)	U.S.C.S. SYMBOL	GRAPHIC LOG	DEPTH (ft)	LITHOLOGY/DESCRIPTION
								SAND and GRAVEL (FILL).
								(ML) Light brown, firm SILT; no odor, no sheen.
Moist	5.4						1	
							2	
Moist	2.1						4	Same As Above; no odor, no sheen.
							5	
Moist	1.0				ML		6	Same As Above; no odor, no sheen.
							7	
Moist	0.7		B-30-8	G = <1.3 D = <3.8 HO = <13 B = <0.0005			8	Light brown, firm SILT with high plasticity; no odor, no sheen.
							9	
Wet	1.1						10	Same As Above; no odor, no sheen.
							11	Same As Above; no odor, no sheen.
Wet	4.6							Bedrock at 11.5 feet.
								Bottom of borehole at 11.5 feet.
							12	



Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: G. Cisneros
Date Started: 10/10/2012
Date Completed: 10/10/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 11.5 ft
Elevation: ft

MOISTURE CONTENT	ORGANIC VAPOR (ppm)	SAMP. INTERVAL	ANALYTICAL SAMPLE	ANALYTICAL RESULTS (mg/kg)	U.S.C.S. SYMBOL	GRAPHIC LOG	DEPTH (ft)	LITHOLOGY/DESCRIPTION			
Moist	5.1		SB-31-8 G = <1.6 D = <4.3 HO = 16 B = <0.0006		ML		1	SAND & GRAVEL (FILL).			
						(ML) Dark brown, firm, sandy SILT with 15% gravel; no odor, no sheen.					
									2	Charcoal layer at 2.5 feet.	
Moist	4.6									4	Dark brown, soft, coarse SILT with low plasticity; no odor, no sheen.
Moist	1.7									5	Same As Above; no odor, no sheen.
Moist	5.1									6	Same As Above with high plasticity; no odor, no sheen.
						7					
Moist	7.1						8	Olive brown, stiff SILT with high plasticity; no odor, no sheen.			
						9	Same As Above; no odor, no sheen.				
Moist	3.3						10	Same As Above; no odor, no sheen.			
Moist	5.7						11	Olive, hard, gravelly SILT with angular gravel; no odor, no sheen.			
								Bedrock at 11.5 feet.			
								Bottom of borehole at 11.5 feet.			



Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: C. Wildt
Date Started: 10/10/2012
Date Completed: 10/10/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 9.5 ft
Elevation: ft

[illegible]



18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Soil Boring: B-33

Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: G. Cisneros
Date Started: 10/11/2012
Date Completed: 10/11/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 10.75 ft
Elevation: ft

MOISTURE CONTENT	ORGANIC VAPOR (ppm)	SAMP. INTERVAL	ANALYTICAL SAMPLE	ANALYTICAL RESULTS (mg/kg)	U.S.C.S. SYMBOL	GRAPHIC LOG	DEPTH (ft)	LITHOLOGY/DESCRIPTION
					SP		1	(SP) Brown, medium dense, gravelly SAND.
Moist	1.2						2	(ML) Light brown, firm, coarse SILT with medium plasticity; no odor.
							3	
Moist	3.1						4	Light brown, stiff SILT with high plasticity; no odor, no sheen.
							5	
	2.9				ML		6	Light brown, stiff, coarse SILT with medium plasticity; no odor, no sheen.
							7	Same As Above; no odor, no sheen.
Moist	2.2						8	Olive gray, stiff SILT; no odor, no sheen.
	220		B-33-8	G = 150 D = 13 HO = <12 B = <0.031			9	Brown to gray, stiff SILT; no odor, no sheen.
Moist	42						10	Brown, stiff SILT; no odor, no sheen.
								Bedrock at 10.75 feet.
Moist	6.5		B-33-10	G = 8.2 D = <3.9 HO = <13 B = <0.0005			11	Bottom of borehole at 10.8 feet.
							12	



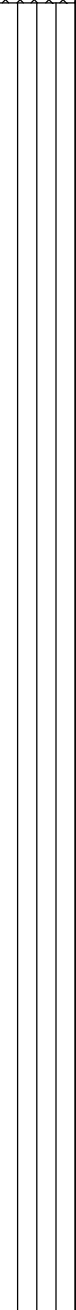
18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Soil Boring: B-34

Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: C. Wildt
Date Started: 10/11/2012
Date Completed: 10/11/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 12.75 ft
Elevation: ft

MOISTURE CONTENT	ORGANIC VAPOR (ppm)	SAMP. INTERVAL	ANALYTICAL SAMPLE	ANALYTICAL RESULTS (mg/kg)	U.S.C.S. SYMBOL	GRAPHIC LOG	DEPTH (ft)	LITHOLOGY/DESCRIPTION
								GRAVEL FILL.
								(ML) Dark brown, loose SILT; no odor, no sheen.
Moist	0.2						1	
							2	
							3	
Moist	0.3						4	Same As Above.
							5	
Moist	0.0						6	Light brown, firm SILT with medium plasticity; no odor.
					ML		7	
Moist	0.5		 B-33-8	G = <1.3 D = <3.8 HO = <13 B = <0.0005			8	Same As Above; no odor, no sheen.
							9	
Moist	0.3						10	Same As Above; no odor, no sheen.
							11	Bedrock at 12.75 feet.
							12	
Moist	0.3						13	Medium brown SILT; no odor, no sheen. Bedrock at 12.75 feet.
							14	Bottom of borehole at 12.8 feet.



Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: G. Cisneros
Date Started: 10/11/2012
Date Completed: 10/11/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 12 ft
Elevation: ft

[illegible]



Project: Chevron Facility No. 352300
Client: Chevron EMC
Location: Tekoa, Washington

Logged By: C. Wildt
Date Started: 10/11/2012
Date Completed: 10/11/2012

Driller: SAIC
Drill Method: Hand Auger
Total Boring Depth: 12.5 ft
Elevation: ft

MOISTURE CONTENT	ORGANIC VAPOR (ppm)	SAMP. INTERVAL	ANALYTICAL SAMPLE	ANALYTICAL RESULTS (mg/kg)	U.S.C.S. SYMBOL	GRAPHIC LOG	DEPTH (ft)	LITHOLOGY/DESCRIPTION
								GRAVEL FILL.
Moist	3.9						1	(ML) Medium brown, stiff SILT with moderate plasticity; no odor, no sheen.
Moist	0.4						2	
Moist	8.2				ML		3	
Moist	2.6		 B-36-8	G = <1.4 D = <3.8 HO = <13 B = <0.0005			4	Olive SILT with moderate plasticity; no odor, no sheen.
Wet	4.4						5	Same As Above; no odor, no sheen.
Wet	0.1				SP		6	Same As Above; no odor, no sheen.
							7	Light brown, firm SILT; no odor, no sheen.
							8	
							9	(SP) Brown SAND with small gravel; no odor, no sheen.
							10	Bedrock at 12.5 feet.
							11	Bottom of borehole at 12.5 feet.

Appendix B:
Laboratory Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

October 24, 2012

Project: 352300

Submittal Date: 10/12/2012

Group Number: 1341902

PO Number: 0015094807

Release Number: HARMON

State of Sample Origin: WA

Client Sample DescriptionLancaster Labs (LLI) #

B-20-7 Grab Soil	6821527
B-20-9 Grab Soil	6821528
B-21-5 Grab Soil	6821529
B-21-9 Grab Soil	6821530
B-22-6 Grab Soil	6821531
B-22-10.5 Grab Soil	6821532
B-23-7 Grab Soil	6821533
B-23-9 Grab Soil	6821534
B-24-6 Grab Soil	6821535
B-24-9.5 Grab Soil	6821536
B-25-7 Grab Soil	6821537
B-25-10 Grab Soil	6821538
B-26-6 Grab Soil	6821539
B-26-11.5 Grab Soil	6821540
B-27-8 Grab Soil	6821541
B-27-11 Grab Soil	6821542
B-29-2 Grab Soil	6821543
B-29-8 Grab Soil	6821544
B-29-14 Grab Soil	6821545
B-28-8 Grab Soil	6821546
B-28-12 Grab Soil	6821547
B-30-8 Grab Soil	6821548
B-31-8 Grab Soil	6821549
B-32-8 Grab Soil	6821550
B-34-8 Grab Soil	6821551
B-33-8 Grab Soil	6821552
B-33-10 Grab Soil	6821553
B-35-10 Grab Soil	6821554
B-36-8 Grab Soil	6821555

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

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SAIC

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SAIC

Attn: Ron Santos

Attn: Kinga Kozłowska

Attn: Gabe Cisneros

Respectfully Submitted,



Jill M. Parker
Senior Specialist

(717) 556-7262

Sample Description: B-20-7 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821527
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/08/2012 16:40 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2007

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.035	55.74
10237	Ethylbenzene	100-41-4	N.D.	0.070	55.74
10237	Naphthalene	91-20-3	0.12	0.070	55.74
10237	Toluene	108-88-3	N.D.	0.070	55.74
10237	Xylene (Total)	1330-20-7	N.D.	0.070	55.74
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles					
		ECY 97-602 NWTTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTTPH-Gx soils	n.a.	1,400	130	2611.57
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	250	7.6	2
08272	Heavy Range Organics C24-C40	n.a.	N.D.	25	2
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	6.37	0.592	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	20.6	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	Q122921AA	10/18/2012 03:40	Stephanie A Selis	55.74
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/08/2012 16:40	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/08/2012 16:40	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/08/2012 16:40	Client Supplied	1
02005	NWTTPH-Gx soil C7-C12	ECY 97-602 NWTTPH-Gx	1	12291A31A	10/18/2012 21:54	Laura M Krieger	2611.57
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/08/2012 16:40	Client Supplied	n.a.

Sample Description: B-20-7 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821527
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/08/2012 16:40 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2007

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122890033A	10/22/2012 22:56	Elizabeth J Marin	2
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122890033A	10/16/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 05:18	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006A	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-20-9 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821528
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/08/2012 16:45 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2009

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0006	0.86
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.86
10237	Naphthalene	91-20-3	N.D.	0.001	0.86
10237	Toluene	108-88-3	N.D.	0.001	0.86
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.86
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	4.8	1.5	27.65
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	4.0	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	13	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	10.2	0.612	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	25.4	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122891AA	10/15/2012 16:39	Chelsea B Stong	0.86
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/08/2012 16:45	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/08/2012 16:45	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/08/2012 16:45	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12291A31A	10/18/2012 19:30	Laura M Krieger	27.65
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/08/2012 16:45	Client Supplied	n.a.

Sample Description: B-20-9 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821528
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/08/2012 16:45 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2009

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122890033A	10/19/2012 19:45	Elizabeth J Marin	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122890033A	10/16/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 04:55	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006A	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-21-5 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821529
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/08/2012 16:50 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2105

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.038	56.3
10237	Ethylbenzene	100-41-4	0.23	0.077	56.3
10237	Naphthalene	91-20-3	0.71	0.077	56.3
10237	Toluene	108-88-3	N.D.	0.077	56.3
10237	Xylene (Total)	1330-20-7	0.73	0.077	56.3
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles					
		ECY 97-602 NWTTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTTPH-Gx soils	n.a.	1,100	66	1208.25
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	220	4.1	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	14	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	5.54	0.636	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	26.8	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	Q122921AA	10/18/2012 04:03	Stephanie A Selis	56.3
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/08/2012 16:50	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/08/2012 16:50	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/08/2012 16:50	Client Supplied	1
02005	NWTTPH-Gx soil C7-C12	ECY 97-602 NWTTPH-Gx	1	12291A31A	10/18/2012 22:30	Laura M Krieger	1208.25
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/08/2012 16:50	Client Supplied	n.a.

Sample Description: B-21-5 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821529
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/08/2012 16:50 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2105

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122890033A	10/19/2012 20:06	Elizabeth J Marin	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122890033A	10/16/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 05:21	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006A	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-21-9 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821530
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/08/2012 17:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2109

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.12	0.0005	0.89
10237	Ethylbenzene	100-41-4	0.012	0.001	0.89
10237	Naphthalene	91-20-3	0.12	0.001	0.89
10237	Toluene	108-88-3	0.003	0.001	0.89
10237	Xylene (Total)	1330-20-7	0.14	0.001	0.89
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	95	10	208.41
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	34	3.7	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	12	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	5.54	0.563	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	18.9	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122891AA	10/15/2012 20:54	Chelsea B Stong	0.89
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/08/2012 17:00	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/08/2012 17:00	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/08/2012 17:00	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12291A31A	10/18/2012 23:06	Laura M Krieger	208.41
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/08/2012 17:00	Client Supplied	n.a.

Sample Description: B-21-9 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821530
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/08/2012 17:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2109

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122890033A	10/19/2012 20:28	Elizabeth J Marin	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122890033A	10/16/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 05:33	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006A	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-22-6 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821531
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 10:45 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2206

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.50	0.032	51.52
10237	Ethylbenzene	100-41-4	17	0.064	51.52
10237	Naphthalene	91-20-3	11	0.064	51.52
10237	Toluene	108-88-3	1.3	0.064	51.52
10237	Xylene (Total)	1330-20-7	94	0.64	515.22
GC Volatiles					
		ECY 97-602 NWT PH-Gx	mg/kg	mg/kg	
02005	TPH by NWT PH-Gx soils	n.a.	5,400	530	10593.38
GC Petroleum Hydrocarbons					
		ECY 97-602 NWT PH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	2,500	37	10
08272	Heavy Range Organics C24-C40	n.a.	N.D.	120	10
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	17.4	0.583	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	19.4	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	Q122891AA	10/15/2012 17:52	Lauren C Temple	51.52
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	Q122891AA	10/15/2012 18:15	Lauren C Temple	515.22
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/09/2012 10:45	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/09/2012 10:45	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/09/2012 10:45	Client Supplied	1
02005	NWT PH-Gx soil C7-C12	ECY 97-602 NWT PH-Gx	1	12291A31A	10/18/2012 23:42	Laura M Krieger	10593.38

Sample Description: B-22-6 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821531
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 10:45 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2206

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/09/2012 10:45	Client Supplied	n.a.
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122890033A	10/19/2012 22:40	Elizabeth J Marin	10
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122890033A	10/16/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 05:36	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006A	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-22-10.5 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821532
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 11:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2210

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.36	0.037	56.31
10237	Ethylbenzene	100-41-4	0.90	0.074	56.31
10237	Naphthalene	91-20-3	0.67	0.074	56.31
10237	Toluene	108-88-3	0.077	0.074	56.31
10237	Xylene (Total)	1330-20-7	1.6	0.074	56.31
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	500	61	1151.77
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	330	7.9	2
08272	Heavy Range Organics C24-C40	n.a.	N.D.	26	2
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	5.13	0.610	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	24.4	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	Q122891AA	10/15/2012 18:38	Lauren C Temple	56.31
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/09/2012 11:00	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/09/2012 11:00	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/09/2012 11:00	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12291A31A	10/19/2012 00:18	Laura M Krieger	1151.77
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/09/2012 11:00	Client Supplied	n.a.

Sample Description: B-22-10.5 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821532
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 11:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2210

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122890033A	10/24/2012 02:18	Christine E Dolman	2
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122890033A	10/16/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 05:40	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006A	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-23-7 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821533
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 11:15 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2307

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	1.3	0.027	44.1
10237	Ethylbenzene	100-41-4	5.0	0.055	44.1
10237	Naphthalene	91-20-3	4.2	0.055	44.1
10237	Toluene	108-88-3	0.84	0.055	44.1
10237	Xylene (Total)	1330-20-7	26	0.055	44.1
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	1,200	230	4638.55
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	590	37	10
08272	Heavy Range Organics C24-C40	n.a.	N.D.	120	10
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	7.32	0.570	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	19.1	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	Q122891AA	10/15/2012 19:02	Lauren C Temple	44.1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/09/2012 11:15	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/09/2012 11:15	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/09/2012 11:15	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12291A31A	10/19/2012 00:55	Laura M Krieger	4638.55
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/09/2012 11:15	Client Supplied	n.a.

Sample Description: B-23-7 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821533
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 11:15 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2307

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122890033A	10/19/2012 23:24	Elizabeth J Marin	10
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122890033A	10/16/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 05:44	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006A	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-23-9 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821534
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 11:30 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2309

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	4.6	0.025	44.02
10237	Ethylbenzene	100-41-4	12	0.050	44.02
10237	Naphthalene	91-20-3	9.1	0.050	44.02
10237	Toluene	108-88-3	2.2	0.050	44.02
10237	Xylene (Total)	1330-20-7	59	0.50	440.15
GC Volatiles					
		ECY 97-602 NWT PH-Gx	mg/kg	mg/kg	
02005	TPH by NWT PH-Gx soils	n.a.	2,300	380	8463.06
GC Petroleum Hydrocarbons					
		ECY 97-602 NWT PH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	1,500	34	10
08272	Heavy Range Organics C24-C40	n.a.	N.D.	110	10
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	11.4	0.513	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	11.1	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	Q122891AA	10/15/2012 19:48	Lauren C Temple	44.02
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	Q122891AA	10/15/2012 20:11	Lauren C Temple	440.15
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/09/2012 11:30	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/09/2012 11:30	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/09/2012 11:30	Client Supplied	1
02005	NWT PH-Gx soil C7-C12	ECY 97-602 NWT PH-Gx	1	12291A31A	10/19/2012 02:07	Laura M Krieger	8463.06

Sample Description: B-23-9 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821534
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 11:30 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2309

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/09/2012 11:30	Client Supplied	n.a.
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122890033A	10/19/2012 23:51	Elizabeth J Marin	10
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122890033A	10/16/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 05:48	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006A	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-24-6 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821535
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 13:50 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2406

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.054	0.031	51.17
10237	Ethylbenzene	100-41-4	3.6	0.063	51.17
10237	Naphthalene	91-20-3	5.0	0.063	51.17
10237	Toluene	108-88-3	0.077	0.063	51.17
10237	Xylene (Total)	1330-20-7	14	0.063	51.17
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	2,900	480	9845.95
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	1,700	37	10
08272	Heavy Range Organics C24-C40	n.a.	N.D.	120	10
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	6.90	0.555	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	18.5	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	Q122891AA	10/15/2012 20:34	Lauren C Temple	51.17
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/09/2012 13:50	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/09/2012 13:50	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/09/2012 13:50	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12291A31A	10/19/2012 02:43	Laura M Krieger	9845.95
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/09/2012 13:50	Client Supplied	n.a.

Sample Description: B-24-6 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821535
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 13:50 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2406

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122890033A	10/19/2012 23:02	Elizabeth J Marin	10
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122890033A	10/16/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 05:51	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006A	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-24-9.5 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821536
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 14:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2409

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.71	0.14	226.48
10237	Ethylbenzene	100-41-4	6.1	0.28	226.48
10237	Naphthalene	91-20-3	4.6	0.28	226.48
10237	Toluene	108-88-3	N.D.	0.28	226.48
10237	Xylene (Total)	1330-20-7	9.2	0.28	226.48
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	2,600	240	4905.32
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	370	19	5
08272	Heavy Range Organics C24-C40	n.a.	N.D.	62	5
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	11.0	0.579	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	19.6	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	R122901AA	10/16/2012 14:06	Stephanie A Selis	226.48
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/09/2012 14:00	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/09/2012 14:00	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/09/2012 14:00	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12296A31A	10/23/2012 00:15	Laura M Krieger	4905.32
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/09/2012 14:00	Client Supplied	n.a.

Sample Description: B-24-9.5 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821536
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 14:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2409

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122890033A	10/22/2012 23:49	Elizabeth J Marin	5
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122890033A	10/16/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 05:55	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006A	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-25-7 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821537
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 14:15 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2507

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.032	51.8
10237	Ethylbenzene	100-41-4	5.8	0.064	51.8
10237	Naphthalene	91-20-3	1.5	0.064	51.8
10237	Toluene	108-88-3	N.D.	0.064	51.8
10237	Xylene (Total)	1330-20-7	2.3	0.064	51.8
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	1,300	91	1837.35
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	840	37	10
08272	Heavy Range Organics C24-C40	n.a.	N.D.	120	10
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	13.2	0.560	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	19.3	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	Q122891AA	10/15/2012 21:44	Lauren C Temple	51.8
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/09/2012 14:15	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/09/2012 14:15	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/09/2012 14:15	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12296A31A	10/23/2012 00:51	Laura M Krieger	1837.35
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/09/2012 14:15	Client Supplied	n.a.

Sample Description: B-25-7 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821537
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 14:15 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2507

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122900016A	10/19/2012 17:52	Christine E Dolman	10
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122900016A	10/17/2012 05:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 05:59	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006B	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-25-10 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821538
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 14:30 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2510

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.0009	0.0005	0.77
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.77
10237	Naphthalene	91-20-3	N.D.	0.001	0.77
10237	Toluene	108-88-3	N.D.	0.001	0.77
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.77
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	1.4	1.2	24.42
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	3.8	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	13	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	11.0	0.590	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	21.1	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122891AA	10/15/2012 17:02	Chelsea B Stong	0.77
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/09/2012 14:30	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/09/2012 14:30	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/09/2012 14:30	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12291A31A	10/18/2012 20:06	Laura M Krieger	24.42
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/09/2012 14:30	Client Supplied	n.a.

Sample Description: B-25-10 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821538
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 14:30 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2510

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122900016A	10/19/2012 02:48	Elizabeth J Marin	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122900016A	10/17/2012 05:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 06:03	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006B	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-26-6 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821539
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 16:45 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2606

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.042	0.037	58.5
10237	Ethylbenzene	100-41-4	0.59	0.075	58.5
10237	Naphthalene	91-20-3	0.85	0.075	58.5
10237	Toluene	108-88-3	N.D.	0.075	58.5
10237	Xylene (Total)	1330-20-7	2.7	0.075	58.5
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	1,800	160	3068.41
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	610	19	5
08272	Heavy Range Organics C24-C40	n.a.	N.D.	64	5
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	5.30	0.590	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	21.9	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	Q122891AA	10/15/2012 21:21	Lauren C Temple	58.5
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/09/2012 16:45	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/09/2012 16:45	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/09/2012 16:45	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12291A31A	10/19/2012 04:31	Laura M Krieger	3068.41
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/09/2012 16:45	Client Supplied	n.a.

Sample Description: B-26-6 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821539
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 16:45 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2606

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122900016A	10/19/2012 18:18	Christine E Dolman	5
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122900016A	10/17/2012 05:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 06:07	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006B	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-26-11.5 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821540
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 16:50 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2611

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.035	0.0006	0.9
10237	Ethylbenzene	100-41-4	0.030	0.001	0.9
10237	Naphthalene	91-20-3	0.034	0.001	0.9
10237	Toluene	108-88-3	0.002	0.001	0.9
10237	Xylene (Total)	1330-20-7	0.021	0.001	0.9
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	N.D.	1.3	27.08
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	3.7	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	12	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	5.30	0.572	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	19.5	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122891AA	10/15/2012 12:21	Chelsea B Stong	0.9
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/09/2012 16:50	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/09/2012 16:50	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/09/2012 16:50	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12291A31A	10/18/2012 20:42	Laura M Krieger	27.08
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/09/2012 16:50	Client Supplied	n.a.

Sample Description: B-26-11.5 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821540
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 16:50 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2611

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122900016A	10/19/2012 04:50	Elizabeth J Marin	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122900016A	10/17/2012 05:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 06:18	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006B	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-27-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821541
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 16:45 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2708

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.037	57.85
10237	Ethylbenzene	100-41-4	1.1	0.075	57.85
10237	Naphthalene	91-20-3	1.7	0.075	57.85
10237	Toluene	108-88-3	N.D.	0.075	57.85
10237	Xylene (Total)	1330-20-7	6.6	0.075	57.85
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	1,500	110	2135.99
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	1,100	39	10
08272	Heavy Range Organics C24-C40	n.a.	N.D.	130	10
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	8.94	0.591	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	22.8	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	Q122891AA	10/15/2012 22:07	Lauren C Temple	57.85
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/09/2012 16:45	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/09/2012 16:45	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/09/2012 16:45	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12296A31A	10/23/2012 02:03	Laura M Krieger	2135.99
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/09/2012 16:45	Client Supplied	n.a.

Sample Description: B-27-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821541
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 16:45 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2708

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122900016A	10/19/2012 18:39	Christine E Dolman	10
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122900016A	10/17/2012 05:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 06:21	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006B	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-27-11 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821542
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 17:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2711

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.035	54.88
10237	Ethylbenzene	100-41-4	0.075	0.071	54.88
10237	Naphthalene	91-20-3	N.D.	0.071	54.88
10237	Toluene	108-88-3	N.D.	0.071	54.88
10237	Xylene (Total)	1330-20-7	N.D.	0.071	54.88
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles					
		ECY 97-602 NWTTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTTPH-Gx soils	n.a.	760	140	2638.92
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	250	3.9	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	13	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	4.44	0.600	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	22.5	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	R122901AA	10/16/2012 13:21	Stephanie A Selis	54.88
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/09/2012 17:00	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/09/2012 17:00	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/09/2012 17:00	Client Supplied	1
02005	NWTTPH-Gx soil C7-C12	ECY 97-602 NWTTPH-Gx	1	12291A31A	10/19/2012 05:43	Laura M Krieger	2638.92
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/09/2012 17:00	Client Supplied	n.a.

Sample Description: B-27-11 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821542
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/09/2012 17:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2711

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122900016A	10/19/2012 03:13	Elizabeth J Marin	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122900016A	10/17/2012 05:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 06:25	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006B	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-29-2 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821543
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 10:40 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2902

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.81
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.81
10237	Naphthalene	91-20-3	N.D.	0.001	0.81
10237	Toluene	108-88-3	N.D.	0.001	0.81
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.81
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	N.D.	1.4	26.64
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	4.0	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	13	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	9.79	0.630	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	25.4	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122891AA	10/15/2012 12:44	Chelsea B Stong	0.81
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/10/2012 10:40	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/10/2012 10:40	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/10/2012 10:40	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12291A31A	10/18/2012 21:18	Laura M Krieger	26.64
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/10/2012 10:40	Client Supplied	n.a.

Sample Description: B-29-2 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821543
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 10:40 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2902

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122900016A	10/19/2012 03:37	Elizabeth J Marin	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122900016A	10/17/2012 05:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 06:29	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006B	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-29-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821544
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 10:58 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2908

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.81
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.81
10237	Naphthalene	91-20-3	N.D.	0.001	0.81
10237	Toluene	108-88-3	N.D.	0.001	0.81
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.81
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	N.D.	1.3	25.55
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	3.9	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	13	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	8.64	0.587	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	22.3	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122891AA	10/15/2012 13:07	Chelsea B Stong	0.81
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/10/2012 10:58	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/10/2012 10:58	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/10/2012 10:58	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12296A31A	10/22/2012 20:03	Laura M Krieger	25.55
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/10/2012 10:58	Client Supplied	n.a.

Sample Description: B-29-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821544
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 10:58 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2908

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122910020A	10/20/2012 01:32	Glorines Suarez-Rivera	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122910020A	10/18/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 06:33	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006B	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-29-14 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821545
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 11:17 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2914

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0006	0.9
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.9
10237	Naphthalene	91-20-3	N.D.	0.001	0.9
10237	Toluene	108-88-3	N.D.	0.001	0.9
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.9
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	N.D.	1.3	25.51
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	3.9	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	13	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	5.06	0.614	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	23.5	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122891AA	10/15/2012 13:31	Chelsea B Stong	0.9
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/10/2012 11:17	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/10/2012 11:17	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/10/2012 11:17	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12296A31A	10/22/2012 20:39	Laura M Krieger	25.51
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/10/2012 11:17	Client Supplied	n.a.

Sample Description: B-29-14 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821545
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 11:17 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2914

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122910020A	10/20/2012 02:22	Glorines Suarez-Rivera	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122910020A	10/18/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708004	10/17/2012 06:36	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708004	10/15/2012 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12289820006B	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-28-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821546
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 11:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2808

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.002	0.0006	0.85
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.85
10237	Naphthalene	91-20-3	N.D.	0.001	0.85
10237	Toluene	108-88-3	N.D.	0.001	0.85
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.85
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	N.D.	1.4	26.52
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	3.9	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	13	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	331	0.604	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	23.7	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122891AA	10/15/2012 13:54	Chelsea B Stong	0.85
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/10/2012 11:00	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/10/2012 11:00	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/10/2012 11:00	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12296A31A	10/23/2012 15:31	Laura M Krieger	26.52
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/10/2012 11:00	Client Supplied	n.a.

Sample Description: B-28-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821546
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 11:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2808

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122910020A	10/20/2012 02:48	Glorines Suarez-Rivera	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122910020A	10/18/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122895708001	10/16/2012 21:10	Katlin N Cataldi	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122895708001	10/15/2012 22:54	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	12289820006B	10/15/2012 19:13	Scott W Freisher	1

Sample Description: B-28-12 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821547
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 11:10 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2812

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.82
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.82
10237	Naphthalene	91-20-3	N.D.	0.001	0.82
10237	Toluene	108-88-3	N.D.	0.001	0.82
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.82
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	N.D.	1.3	25.41
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	3.8	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	13	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	57.5	0.593	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	20.7	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122891AA	10/15/2012 14:17	Chelsea B Stong	0.82
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/10/2012 11:10	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/10/2012 11:10	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/10/2012 11:10	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12296A31A	10/23/2012 11:44	Laura M Krieger	25.41
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/10/2012 11:10	Client Supplied	n.a.

Sample Description: B-28-12 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821547
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 11:10 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B2812

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122910020A	10/20/2012 03:13	Glorines Suarez-Rivera	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122910020A	10/18/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708003	10/17/2012 02:39	John W Yanzuk II	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708003	10/15/2012 09:45	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12290820004B	10/16/2012 18:50	Scott W Freisher	1

Sample Description: B-30-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821548
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 14:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3008

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.84
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.84
10237	Naphthalene	91-20-3	N.D.	0.001	0.84
10237	Toluene	108-88-3	N.D.	0.001	0.84
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.84
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	N.D.	1.3	25.05
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	3.8	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	13	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	8.66	0.583	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	21.7	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122891AA	10/15/2012 14:41	Chelsea B Stong	0.84
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/10/2012 14:00	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/10/2012 14:00	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/10/2012 14:00	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12296A31A	10/22/2012 22:27	Laura M Krieger	25.05
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/10/2012 14:00	Client Supplied	n.a.

Sample Description: B-30-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821548
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 14:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3008

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122910020A	10/20/2012 03:38	Glorines Suarez-Rivera	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122910020A	10/18/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708003	10/17/2012 02:42	John W Yanzuk II	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708003	10/15/2012 09:45	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12290820004B	10/16/2012 18:50	Scott W Freisher	1

Sample Description: B-31-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821549
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 14:12 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3108

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0006	0.87
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.87
10237	Naphthalene	91-20-3	N.D.	0.001	0.87
10237	Toluene	108-88-3	N.D.	0.001	0.87
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.87
GC Volatiles					
		ECY 97-602 NWT PH-Gx	mg/kg	mg/kg	
02005	TPH by NWT PH-Gx soils	n.a.	N.D.	1.6	28.71
GC Petroleum Hydrocarbons					
		ECY 97-602 NWT PH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	4.3	1
08272	Heavy Range Organics C24-C40	n.a.	16	14	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	8.05	0.667	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	29.5	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122891AA	10/15/2012 15:04	Chelsea B Stong	0.87
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/10/2012 14:12	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/10/2012 14:12	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/10/2012 14:12	Client Supplied	1
02005	NWT PH-Gx soil C7-C12	ECY 97-602 NWT PH-Gx	1	12296A31A	10/22/2012 19:27	Laura M Krieger	28.71
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/10/2012 14:12	Client Supplied	n.a.

Sample Description: B-31-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821549
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 14:12 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3108

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122910020A	10/20/2012 04:28	Glorines Suarez-Rivera	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122910020A	10/18/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708003	10/17/2012 02:46	John W Yanzuk II	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708003	10/15/2012 09:45	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12290820004B	10/16/2012 18:50	Scott W Freisher	1

Sample Description: B-32-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821550
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 15:30 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3208

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.042	0.032	51.69
10237	Ethylbenzene	100-41-4	0.35	0.064	51.69
10237	Naphthalene	91-20-3	0.59	0.064	51.69
10237	Toluene	108-88-3	N.D.	0.064	51.69
10237	Xylene (Total)	1330-20-7	0.47	0.064	51.69
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles					
		ECY 97-602 NWTTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTTPH-Gx soils	n.a.	1,100	100	2050.79
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	25	3.7	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	12	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	7.03	0.569	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	19.8	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	R122901AA	10/16/2012 12:58	Stephanie A Selis	51.69
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/10/2012 15:30	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/10/2012 15:30	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/10/2012 15:30	Client Supplied	1
02005	NWTTPH-Gx soil C7-C12	ECY 97-602 NWTTPH-Gx	1	12296A31A	10/23/2012 02:39	Laura M Krieger	2050.79
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/10/2012 15:30	Client Supplied	n.a.

Sample Description: B-32-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821550
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/10/2012 15:30 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3208

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122910020A	10/20/2012 04:03	Glorines Suarez-Rivera	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122910020A	10/18/2012 09:30	Olivia Arosemena	1
06955	Lead	SW-846 6010B	1	122865708003	10/17/2012 02:50	John W Yanzuk II	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708003	10/15/2012 09:45	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12290820004B	10/16/2012 18:50	Scott W Freisher	1

Sample Description: B-34-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821551
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/11/2012 10:45 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3408

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.86
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.86
10237	Naphthalene	91-20-3	N.D.	0.001	0.86
10237	Toluene	108-88-3	N.D.	0.001	0.86
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.86
GC Volatiles					
		ECY 97-602 NWT PH-Gx	mg/kg	mg/kg	
02005	TPH by NWT PH-Gx soils	n.a.	N.D.	1.3	25.88
GC Petroleum Hydrocarbons					
		ECY 97-602 NWT PH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	3.8	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	13	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	4.28	0.569	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	20.6	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122891AA	10/15/2012 17:26	Chelsea B Stong	0.86
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/11/2012 10:45	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/11/2012 10:45	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/11/2012 10:45	Client Supplied	1
02005	NWT PH-Gx soil C7-C12	ECY 97-602 NWT PH-Gx	1	12296A31A	10/22/2012 23:03	Laura M Krieger	25.88
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/11/2012 10:45	Client Supplied	n.a.

Sample Description: B-34-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821551
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/11/2012 10:45 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3408

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122920006A	10/19/2012 23:02	Glorines Suarez-Rivera	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122920006A	10/18/2012 14:00	David S Schrum	1
06955	Lead	SW-846 6010B	1	122865708003	10/17/2012 02:53	John W Yanzuk II	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708003	10/15/2012 09:45	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12290820004B	10/16/2012 18:50	Scott W Freisher	1

Sample Description: B-33-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821552
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/11/2012 11:40 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.031	49.93
10237	Ethylbenzene	100-41-4	N.D.	0.062	49.93
10237	Naphthalene	91-20-3	N.D.	0.062	49.93
10237	Toluene	108-88-3	N.D.	0.062	49.93
10237	Xylene (Total)	1330-20-7	N.D.	0.062	49.93
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles					
		ECY 97-602 NWTTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTTPH-Gx soils	n.a.	150	24	474.13
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	13	3.7	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	12	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	6.47	0.575	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	19.9	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	R122901AA	10/16/2012 12:13	Stephanie A Selis	49.93
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/11/2012 11:40	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/11/2012 11:40	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/11/2012 11:40	Client Supplied	1
02005	NWTTPH-Gx soil C7-C12	ECY 97-602 NWTTPH-Gx	1	12291A31A	10/19/2012 06:55	Laura M Krieger	474.13
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/11/2012 11:40	Client Supplied	n.a.

Sample Description: B-33-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821552
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/11/2012 11:40 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3308

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122920006A	10/19/2012 23:24	Glorines Suarez-Rivera	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122920006A	10/18/2012 14:00	David S Schrum	1
06955	Lead	SW-846 6010B	1	122865708003	10/17/2012 03:04	John W Yanzuk II	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708003	10/15/2012 09:45	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12290820004B	10/16/2012 18:50	Scott W Freisher	1

Sample Description: B-33-10 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821553
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/11/2012 11:50 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3310

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.79
10237	Ethylbenzene	100-41-4	0.004	0.001	0.79
10237	Naphthalene	91-20-3	N.D.	0.001	0.79
10237	Toluene	108-88-3	N.D.	0.001	0.79
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.79
GC Volatiles					
		ECY 97-602 NWT PH-Gx	mg/kg	mg/kg	
02005	TPH by NWT PH-Gx soils	n.a.	8.2	1.3	25.65
GC Petroleum Hydrocarbons					
		ECY 97-602 NWT PH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	3.9	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	13	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	6.87	0.595	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	22.6	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122901AA	10/16/2012 19:32	Angela D Sneeringer	0.79
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/11/2012 11:50	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/11/2012 11:50	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/11/2012 11:50	Client Supplied	1
02005	NWT PH-Gx soil C7-C12	ECY 97-602 NWT PH-Gx	1	12296A31A	10/23/2012 12:20	Laura M Krieger	25.65
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/11/2012 11:50	Client Supplied	n.a.

Sample Description: B-33-10 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821553
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/11/2012 11:50 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3310

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122920006A	10/19/2012 23:51	Glorines Suarez-Rivera	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122920006A	10/18/2012 14:00	David S Schrum	1
06955	Lead	SW-846 6010B	1	122865708003	10/17/2012 03:08	John W Yanzuk II	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708003	10/15/2012 09:45	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12290820004B	10/16/2012 18:50	Scott W Freisher	1

Sample Description: B-35-10 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821554
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/11/2012 13:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

35-10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0006	0.91
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.91
10237	Naphthalene	91-20-3	N.D.	0.001	0.91
10237	Toluene	108-88-3	N.D.	0.001	0.91
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.91
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	36	2.4	49.03
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	3.7	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	12	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	6.38	0.575	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	19.1	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122901AA	10/16/2012 20:42	Angela D Sneeringer	0.91
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/11/2012 13:00	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/11/2012 13:00	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/11/2012 13:00	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12296A31A	10/23/2012 12:56	Laura M Krieger	49.03
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/11/2012 13:00	Client Supplied	n.a.

Sample Description: B-35-10 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821554
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/11/2012 13:00 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

35-10

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122920006A	10/20/2012 00:16	Glorines Suarez-Rivera	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122920006A	10/18/2012 14:00	David S Schrum	1
06955	Lead	SW-846 6010B	1	122865708003	10/17/2012 03:12	John W Yanzuk II	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708003	10/15/2012 09:45	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12290820004B	10/16/2012 18:50	Scott W Freisher	1

Sample Description: B-36-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821555
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/11/2012 13:15 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3608

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.82
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.82
10237	Naphthalene	91-20-3	N.D.	0.001	0.82
10237	Toluene	108-88-3	N.D.	0.001	0.82
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.82
GC Volatiles					
		ECY 97-602 NWTPH-Gx	mg/kg	mg/kg	
02005	TPH by NWTPH-Gx soils	n.a.	N.D.	1.4	26.85
GC Petroleum Hydrocarbons					
		ECY 97-602 NWTPH-Dx modified	mg/kg	mg/kg	
08272	Diesel Range Organics C12-C24	n.a.	N.D.	3.8	1
08272	Heavy Range Organics C24-C40	n.a.	N.D.	13	1
Metals					
		SW-846 6010B	mg/kg	mg/kg	
06955	Lead	7439-92-1	10.1	0.577	1
Wet Chemistry					
		SM20 2540 G	%	%	
00111	Moisture	n.a.	20.9	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

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
10237	8260 Ext. Soil Master w/GRO	SW-846 8260B	1	X122901AA	10/16/2012 17:13	Angela D Sneeringer	0.82
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201228629038	10/11/2012 13:15	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201228629038	10/11/2012 13:15	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201228629038	10/11/2012 13:15	Client Supplied	1
02005	NWTPH-Gx soil C7-C12	ECY 97-602 NWTPH-Gx	1	12296A31A	10/22/2012 23:39	Laura M Krieger	26.85
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201228629038	10/11/2012 13:15	Client Supplied	n.a.

Sample Description: B-36-8 Grab Soil
Facility# 352300
State Route 274 - Tekoa, WA

LLI Sample # SW 6821555
LLI Group # 1341902
Account # 11255

Project Name: 352300

Collected: 10/11/2012 13:15 by GC

Chevron

L4310

Submitted: 10/12/2012 09:15

6001 Bollinger Canyon Road

Reported: 10/24/2012 16:39

San Ramon CA 94583

B3608

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08272	NWTPH-Dx soil	ECY 97-602 NWTPH-Dx modified	1	122920006A	10/20/2012 00:41	Glorines Suarez-Rivera	1
11234	WA DRO NW DX Soils (Non SG)	ECY 97-602 NWTPH-Dx 06/97	1	122920006A	10/18/2012 14:00	David S Schrum	1
06955	Lead	SW-846 6010B	1	122865708003	10/17/2012 03:16	John W Yanzuk II	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	122865708003	10/15/2012 09:45	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	12290820004B	10/16/2012 18:50	Scott W Freisher	1

Quality Control Summary

Client Name: Chevron

Group Number: 1341902

Reported: 10/24/12 at 04:39 PM

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

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: Q122891AA	Sample number(s): 6821531-6821535, 6821537, 6821539, 6821541							
Benzene	N.D.	0.025	mg/kg	112	110	80-120	1	30
Ethylbenzene	N.D.	0.050	mg/kg	103	101	80-120	2	30
Naphthalene	N.D.	0.050	mg/kg	96	90	59-123	6	30
Toluene	N.D.	0.050	mg/kg	106	105	80-120	1	30
Xylene (Total)	N.D.	0.050	mg/kg	104	102	80-120	2	30
Batch number: Q122921AA	Sample number(s): 6821527, 6821529							
Benzene	N.D.	0.025	mg/kg	113	108	80-120	5	30
Ethylbenzene	N.D.	0.050	mg/kg	102	99	80-120	2	30
Naphthalene	N.D.	0.050	mg/kg	84	86	59-123	2	30
Toluene	N.D.	0.050	mg/kg	107	104	80-120	4	30
Xylene (Total)	N.D.	0.050	mg/kg	104	100	80-120	4	30
Batch number: R122901AA	Sample number(s): 6821536, 6821542, 6821550, 6821552							
Benzene	N.D.	0.025	mg/kg	110	116	80-120	5	30
Ethylbenzene	N.D.	0.050	mg/kg	108	115	80-120	6	30
Naphthalene	N.D.	0.050	mg/kg	77	83	59-123	6	30
Toluene	N.D.	0.050	mg/kg	109	113	80-120	4	30
Xylene (Total)	N.D.	0.050	mg/kg	108	115	80-120	6	30
Batch number: X122891AA	Sample number(s): 6821528, 6821530, 6821538, 6821540, 6821543-6821549, 6821551							
Benzene	N.D.	0.0005	mg/kg	97		80-120		
Ethylbenzene	N.D.	0.001	mg/kg	104		80-120		
Naphthalene	N.D.	0.001	mg/kg	94		59-123		
Toluene	N.D.	0.001	mg/kg	103		80-120		
Xylene (Total)	N.D.	0.001	mg/kg	107		80-120		
Batch number: X122901AA	Sample number(s): 6821553-6821555							
Benzene	N.D.	0.0005	mg/kg	94	94	80-120	0	30
Ethylbenzene	N.D.	0.001	mg/kg	98	97	80-120	1	30
Naphthalene	N.D.	0.001	mg/kg	90	84	59-123	7	30
Toluene	N.D.	0.001	mg/kg	99	99	80-120	1	30
Xylene (Total)	N.D.	0.001	mg/kg	102	101	80-120	1	30
Batch number: 12291A31A	Sample number(s): 6821527-6821535, 6821538-6821540, 6821542-6821543, 6821552							
TPH by NWTPH-Gx soils	N.D.	1.0	mg/kg	86	88	67-119	2	30
Batch number: 12296A31A	Sample number(s): 6821536-6821537, 6821541, 6821544-6821551, 6821553-6821555							
TPH by NWTPH-Gx soils	N.D.	1.0	mg/kg	89	91	67-119	2	30
Batch number: 122890033A	Sample number(s): 6821527-6821536							
Diesel Range Organics C12-C24	N.D.	3.0	mg/kg	74		60-120		
Heavy Range Organics C24-C40	N.D.	10.	mg/kg					

*- 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

Group Number: 1341902

Reported: 10/24/12 at 04:39 PM

<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: 122900016A	Sample number(s): 6821537-6821543							
Diesel Range Organics C12-C24	N.D.	3.0	mg/kg	69		60-120		
Heavy Range Organics C24-C40	N.D.	10.	mg/kg					
Batch number: 122910020A	Sample number(s): 6821544-6821550							
Diesel Range Organics C12-C24	N.D.	3.0	mg/kg	72		60-120		
Heavy Range Organics C24-C40	N.D.	10.	mg/kg					
Batch number: 122920006A	Sample number(s): 6821551-6821555							
Diesel Range Organics C12-C24	N.D.	3.0	mg/kg	73		60-120		
Heavy Range Organics C24-C40	N.D.	10.	mg/kg					
Batch number: 122865708003	Sample number(s): 6821547-6821555							
Lead	N.D.	0.465	mg/kg	105		80-120		
Batch number: 122865708004	Sample number(s): 6821527-6821545							
Lead	N.D.	0.470	mg/kg	104		80-120		
Batch number: 122895708001	Sample number(s): 6821546							
Lead	N.D.	0.470	mg/kg	103		80-120		
Batch number: 12289820006A	Sample number(s): 6821527-6821536							
Moisture				100		99-101		
Batch number: 12289820006B	Sample number(s): 6821537-6821546							
Moisture				100		99-101		
Batch number: 12290820004B	Sample number(s): 6821547-6821555							
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: Q122891AA	Sample number(s): 6821531-6821535, 6821537, 6821539, 6821541 UNSPK: P820248								
Benzene	97	86	55-143	16	30				
Ethylbenzene	94	84	44-141	15	30				
Naphthalene	61	53	10-138	16	30				
Toluene	92	82	50-146	15	30				
Xylene (Total)	92	80	44-136	17	30				
Batch number: X122891AA	Sample number(s): 6821528, 6821530, 6821538, 6821540, 6821543-6821549, 6821551 UNSPK: P819818								
Benzene	101	97	55-143	1	30				
Ethylbenzene	105	92	44-141	9	30				
Naphthalene	71	34	10-138	67*	30				
Toluene	107	103	50-146	0	30				
Xylene (Total)	107	93	44-136	10	30				

*- 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

Group Number: 1341902

Reported: 10/24/12 at 04:39 PM

Sample Matrix Quality Control

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

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	BKG MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 122890033A	Sample number(s): 6821527-6821536				BKG: 6821527				
Diesel Range Organics C12-C24						200	190	6	20
Heavy Range Organics C24-C40						N.D.	N.D.	0 (1)	20
Batch number: 122900016A	Sample number(s): 6821537-6821543				BKG: P820279				
Diesel Range Organics C12-C24						N.D.	N.D.	0 (1)	20
Heavy Range Organics C24-C40						N.D.	N.D.	0 (1)	20
Batch number: 122910020A	Sample number(s): 6821544-6821550				BKG: 6821544				
Diesel Range Organics C12-C24						N.D.	N.D.	0 (1)	20
Heavy Range Organics C24-C40						N.D.	N.D.	0 (1)	20
Batch number: 122920006A	Sample number(s): 6821551-6821555				BKG: 6821551				
Diesel Range Organics C12-C24						N.D.	N.D.	0 (1)	20
Heavy Range Organics C24-C40						N.D.	N.D.	0 (1)	20
Batch number: 122865708003	Sample number(s): 6821547-6821555				UNSPK: P820945 BKG: P820945				
Lead	101	126*	75-125	13	20	11.3	10.2	10	20
Batch number: 122865708004	Sample number(s): 6821527-6821545				UNSPK: 6821528 BKG: 6821528				
Lead	87	123	75-125	24*	20	7.63	8.13	6	20
Batch number: 122895708001	Sample number(s): 6821546				UNSPK: P820810 BKG: P820810				
Lead	106	104	75-125	1	20	1.70	1.85	8 (1)	20
Batch number: 12289820006A	Sample number(s): 6821527-6821536				BKG: 6821530				
Moisture						18.9	18.7	1	13
Batch number: 12289820006B	Sample number(s): 6821537-6821546				BKG: 6821543				
Moisture						25.4	25.2	1	13
Batch number: 12290820004B	Sample number(s): 6821547-6821555				BKG: 6821555				
Moisture						20.9	20.4	2	13

Surrogate Quality Control

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

Analysis Name: 8260 Ext. Soil Master w/GRO

Batch number: Q122891AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6821531	84	87	179*	85
6821532	74	79	81	88
6821533	78	80	100	110
6821534	79	85	149*	76
6821535	76	79	129	78
6821537	87	90	170*	93

*- 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: 10/24/12 at 04:39 PM

Group Number: 1341902

Surrogate Quality Control

6821539	81	87	99	108
6821541	158*	169*	178*	189*
Blank	93	96	94	90
LCS	106	109	107	102
LCSD	108	110	109	104
MS	85	92	111	126
MSD	80	88	112	125

Limits:	50-141	54-135	52-141	50-131
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Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: Q122921AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6821527	96	101	104	124
6821529	84	87	95	107
Blank	99	103	101	95
LCS	108	113	109	102
LCSD	106	111	107	100

Limits:	50-141	54-135	52-141	50-131
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Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: R122901AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6821536	73	84	119	142*
6821542	76	82	90	96
6821550	82	89	112	119
6821552	84	90	92	103
Blank	94	101	101	97
LCS	89	94	96	94
LCSD	92	98	100	101

Limits:	50-141	54-135	52-141	50-131
---------	--------	--------	--------	--------

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: X122891AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6821528	105	104	98	96
6821530	98	103	195*	98
6821538	104	104	96	88
6821540	99	101	135	123
6821543	104	99	94	93
6821544	107	107	96	97
6821545	106	106	92	95
6821546	105	103	93	92
6821547	108	107	90	93
6821548	108	110	92	90
6821549	108	107	97	84
6821551	108	109	90	91
Blank	107	105	94	96
LCS	101	107	104	97
MS	99	106	106	95
MSD	104	106	110	88

*- 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: 10/24/12 at 04:39 PM

Group Number: 1341902

Surrogate Quality Control

Limits:	50-141	54-135	52-141	50-131
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Analysis Name: 8260 Ext. Soil Master w/GRO

Batch number: X122901AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
--	----------------------	-----------------------	------------	----------------------

6821553	105	108	94	91
6821554	103	109	91	80
6821555	109	109	88	91
Blank	104	103	90	94
LCS	104	105	102	97
LCSD	102	103	99	95

Limits:	50-141	54-135	52-141	50-131
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Analysis Name: NWTPH-Gx soil C7-C12

Batch number: 12291A31A

Trifluorotoluene-F

6821527	132*
6821528	54*
6821529	96
6821530	82
6821531	663*
6821532	70
6821533	186*
6821534	571*
6821535	202*
6821538	74
6821539	88
6821540	65
6821542	93
6821543	54*
6821552	72
Blank	90
LCS	90
LCSD	93

Limits:	61-122
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Analysis Name: NWTPH-Gx soil C7-C12

Batch number: 12296A31A

Trifluorotoluene-F

6821536	176*
6821537	45*
6821541	114
6821544	69
6821545	46*
6821546	65
6821547	67
6821548	64
6821549	45*
6821550	80
6821551	64

*- 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: 10/24/12 at 04:39 PM

Group Number: 1341902

Surrogate Quality Control

6821553 45*
6821554 78
6821555 63
Blank 94
LCS 93
LCSD 93

Limits: 61-122

Analysis Name: NWTPH-Dx soil
Batch number: 122890033A
Orthoterphenyl

6821527 65
6821528 73
6821529 146
6821530 89
6821531 430*
6821532 97
6821533 354*
6821534 1044*
6821535 300*
6821536 106
Blank 96
DUP 101
LCS 97

Limits: 50-150

Analysis Name: NWTPH-Dx soil
Batch number: 122900016A
Orthoterphenyl

6821537 93
6821538 77
6821539 88
6821540 88
6821541 112
6821542 101
6821543 89
Blank 95
DUP 93
LCS 92

Limits: 50-150

Analysis Name: NWTPH-Dx soil
Batch number: 122910020A
Orthoterphenyl

6821544 79
6821545 88
6821546 73
6821547 74
6821548 83
6821549 81

*- 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: 10/24/12 at 04:39 PM

Group Number: 1341902

Surrogate Quality Control

6821550 84
Blank 98
DUP 69
LCS 94

Limits: 50-150

Analysis Name: NWT PH-Dx soil
Batch number: 122920006A
Orthoterphenyl

6821551 92
6821552 89
6821553 86
6821554 87
6821555 91
Blank 93
DUP 93
LCS 92

Limits: 50-150

*- 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



**Lancaster
Laboratories**

Acct. # 11255 Group # 1341902 For Lancaster Laboratories use only Sample # 6821527-55
Instructions on reverse side correspond with circled numbers.

① Client Information				④ Matrix				⑤ Analyses Requested												SCR #: <u>12811e</u> ☐ Results in Dry Weight ☐ J value reporting needed ☐ Must meet lowest detection limits possible for 8260 compounds ☐ 8021 MTBE Confirmation ☐ Confirm MTBE + Naphthalene ☐ Confirm highest hit by 8260 ☐ Confirm all hits by 8260 ☐ Run ____ oxy's on highest hit ☐ Run ____ oxy's on all hits	
Facility # <u>352300</u> WBS Site Address <u>State Rt. 274, Tacoma, Wash</u> Chevron PM <u>M. Harmon</u> Lead Consultant Consultant/Office <u>SAIC</u> Consultant Project Mgr. <u>Ron Santos</u> Consultant Phone # <u>208-429.3772</u> Sampler <u>Gabe Cisneros</u>				Sediment ☐ Potable ☐ NPDES ☐ Air ☐ Ground ☐ Surface ☐				Total Number of Containers 8021 ☐ 8260 ☒ Naphth ☒ 8260 full scan Oxygenates NWTPH GX NWTPH DX ☒ Silica Gel Cleanup ☒ No Lead ☒ Total ☐ Diss. ☐ Method <u>66103</u> WAPV ☐ WAEPH ☐ Moisture <u>N</u>													
② Sample Identification			③ Collected		Grab	Composite	Soil	Water	Oil	Total	8260	NWTPH	DX	Lead	WAPV	WAEPH	Moisture	⑥ Remarks			
			Date	Time																	
B-20-7			10/8	1640	/	/	/	/	/	/	/	/	/	/	/	/	/				
B-20-9			"	1645	/	/	/	/	/	/	/	/	/	/	/	/	/				
B-21-5			"	1650	/	/	/	/	/	/	/	/	/	/	/	/	/				
B-21-9			"	1700	/	/	/	/	/	/	/	/	/	/	/	/	/				
B-22-6			10/9	1045	/	/	/	/	/	/	/	/	/	/	/	/	/				
B-22-10.5			10/9	1100	/	/	/	/	/	/	/	/	/	/	/	/	/				
S-23-7			10/9	1115	/	/	/	/	/	/	/	/	/	/	/	/	/				
B-23-9			10/9	1130	/	/	/	/	/	/	/	/	/	/	/	/	/				
B-24-6			10/9/12	1350	/	/	/	/	/	/	/	/	/	/	/	/	/				
B-24-9.5			10/9/12	1400	/	/	/	/	/	/	/	/	/	/	/	/	/				
B-25-7			10/11/12	1415	/	/	/	/	/	/	/	/	/	/	/	/	/				
B-25-10			10/11/12	1430	/	/	/	/	/	/	/	/	/	/	/	/	/				
⑦ Turnaround Time Requested (TAT) (please circle) Standard ☒ 5 day 4 day 72 hour 48 hour 24 hour					Relinquished by <u>SAIC</u> Date <u>9/12/12</u> Time <u>11:25</u>					Received by _____ Date _____ Time _____					⑨ Date _____ Time _____ Date _____ Time _____ Date <u>10/11/12</u> Time <u>915</u>						
					Relinquished by <u>SAIC</u> Date <u>10/11/12</u> Time <u>1600</u>					Received by _____ Date _____ Time _____											
					Relinquished by Commercial Carrier: UPS _____ FedEx ☒ Other _____					Received by <u>Bump/In</u> Date _____ Time _____											
⑧ Data Package Options (please circle if required) Type I - Full Type VI (Raw Data)					Temperature Upon Receipt <u>06-30 °C</u>					Custody Seals Intact? ☒ Yes ☐ No											

Chevron Northwest Region Analysis Request/Chain of Custody



**Lancaster
Laboratories**

Acct. # 11255

Group # 1341902

For Lancaster Laboratories use only

Sample # 6821527-55

Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix		5 Analyses Requested												6 Remarks									
Facility # <u>352300</u> WBS Site Address <u>St. Rt. 274, Tekoa, Washington</u> Chevron PM <u>M. Harmon</u> Lead Consultant <u>SAIC</u> Consultant/Office <u>SAIC</u> Consultant Project Mgr. <u>Ron Santos</u> Consultant Phone # <u>208 429.3772</u> Sampler <u>Grabe Cisneros</u>				☐ Sediment ☐ Ground ☐ Surface ☐ Potable ☐ NPDES ☐ Air		Total Number of Containers <u>6</u> ☒ BTEX + MTBE ☐ 8021 ☐ 8260 ☒ Naphth ☐ 8260 full scan Oxygenates NWTPH GX NWTPH DX ☒ <u>Stiffa Oct Cleanup</u> ☐ NO ☒ Lead ☐ Diss. ☐ Method <u>Color</u> WAVPH ☐ WAEPH <u>Moisture</u>												SCR #: _____ ☐ Results in Dry Weight ☐ J value reporting needed ☐ Must meet lowest detection limits possible for 8260 compounds ☐ 8021 MTBE Confirmation ☐ Confirm MTBE + Naphthalene ☐ Confirm highest hit by 8260 ☐ Confirm all hits by 8260 ☐ Run _____ oxy's on highest hit ☐ Run _____ oxy's on all hits									
2 Sample Identification			3 Collected		Grab	Composite	Soil	Water	Oil	Total	BTEX + MTBE	8021	8260	Naphth	8260 full scan	Oxygenates	NWTPH GX	NWTPH DX	Stiffa Oct Cleanup	NO	Lead	Diss.	Method	Color	WAVPH	WAEPH	Moisture
Sample Identification		Date	Time																								
SB-26-6 B-26-6		10/9/12	1645	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
SB-26-11.5 B-26-11.5		10/9/12	1650	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
B-27-8		10/9	1645	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
B-27-11		10/9	1700	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
B-29-2		10/10	1040	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
B-29-8		10/10	1058	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
B-29-14		10/10	1117	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
B-28-2		10/10	1100	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
B-28-12		10/10	1110	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
B-28 B-30-2		10/10	1400	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
B-31-8		10/10	1412	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
B-32-8		10/10	1530	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
B-34-8		10/11	1045	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7 Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day 72 hour 48 hour 24 hour				Relinquished by <u>[Signature]</u> Relinquished by _____		Date <u>10/11/12</u> Time <u>1600</u>		Received by _____ Received by _____		Date _____ Time _____		Date _____ Time _____		Date _____ Time _____													
8 Data Package Options (please circle if required) Type I - Full Type VI (Raw Data)				Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____		Temperature Upon Receipt <u>0.630</u> °C		Received by <u>[Signature]</u> Custody Seals Intact? Yes No		Date <u>10-12-12</u> Time <u>915</u>		Date _____ Time _____		Date _____ Time _____													



**Lancaster
Laboratories**

Acct. # 11255

Group # **1341902** For Lancaster La

For Lancaster Laboratories use only

laboratories use only.
Sample # 0821527-55

Instructions on reverse side correspond with circled numbers

[illegible]

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)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	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.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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