TEXACO Station Maple Valley
Maple Valley
LUST 3431

COPY

URS

July 11, 2008

Mr. Jeff Goold
Shell Project Manager
Shell Oil Products US
20945 Wilmington Avenue
Carson, California 90810

Re: **Phase II Environmental Site Assessment Report**
Shell Service Station
21641 Maple Valley Highway
Maple Valley, Washington
SAP No. 120891

Dear Mr. Goold:

INTRODUCTION

URS Corporation (URS) is pleased to present this letter report entitled "Phase II Environmental Site Assessment Report" for the Shell service station located at 21641 Maple Valley Highway, Maple Valley, Washington ("the Site") as illustrated on Figure 1. This investigation was conducted for Shell Oil Products US (Shell) as part of the due diligence program of specific retail assets in the greater Seattle area and was not overseen by any local oversight agency. The primary purpose of the investigation was to evaluate subsurface conditions at the Site.

EXECUTIVE SUMMARY

On May 20, 2008, URS drilled and attempted to sample a total of three soil borings at the Site: one soil borings (B01) located adjacent to the gasoline/diesel underground storage tank (UST) complex and two soil borings (B02 and B03) located adjacent to the dispenser island area. The soil boring advanced adjacent to the USTs was drilled to 11.0 feet below ground surface (bgs) and those advanced adjacent to the dispensers were drilled up to 21.5 feet bgs. Groundwater-grab samples were collected from one boring and additional groundwater was collected from four onsite monitoring wells on June 9, 2008. A summary of the results of this subsurface investigation is presented below.

- Total petroleum hydrocarbons as gasoline (TPH-g) and total petroleum hydrocarbons as diesel (TPH-d) were not identified in the soil sample collected from B02, located adjacent to the dispenser islands.

URS Corporation
111 SW Columbia, Suite 1500
Portland, OR 97201-5850
Tel: 503.222.7200
Fax: 503.222.4292

- Volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, and xylenes; fuel oxygenate constituents consisting of methyl tert-butyl ether (MTBE), tert-butyl alcohol (TBA), diisopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), and tert-amyl methyl ether (TAME); and lead were not identified in the soil sample collected from B02, located adjacent to the dispenser islands.

- Soil encountered at the Site generally consisted of gravel, and sand with silt and gravel to the total depth explored of 21.5 feet bgs.

- Groundwater was encountered in soil boring B02 at a depth of 12 feet bgs.

- TPH-g and TPH-d were not identified in groundwater samples collected from soil boring B2 or the monitoring wells sampled at the Site.

- VOC constituents including benzene, toluene, ethylbenzene, and xylenes; fuel oxygenate constituents consisting of MTBE, TBA, DIPE, ETBE, and TAME; and dissolved lead were not identified in groundwater grab samples collected from borings located adjacent to the gasoline/diesel UST complex and dispenser islands.

SITE BACKGROUND

The site is currently an active Shell service retail station. Site structures include a convenience store building, located in the center of the lot, canopy/dispenser islands, located east of the building, and an automated car wash, located along west of the building. Site facilities include gasoline underground storage tanks (UST), diesel UST, and two dispenser islands. Vehicle parking is located on the east side of the Site as illustrated on Figure 2.

The Site's surrounding land use is predominantly commercial in nature. Besides the commercial properties, the Cedar River is located southwest of the Site and Highway 18 is located west of Site. A few single-family residences are interspersed with the commercial properties surrounding the site.

PROJECT OBJECTIVE

The objective of this investigation was to evaluate the subsurface conditions for the presence of petroleum hydrocarbons around the existing USTs and dispenser islands associated with the current service station operations.

SCOPE OF WORK

The scope of work for this investigation included drilling a total of three soil borings including one soil borings (B01) located adjacent to the gasoline/diesel UST complex and two soil borings (B02 and B03) located adjacent to the dispenser island area. The soil boring advanced adjacent to the USTs was drilled to 11.0 feet below ground surface (bgs) and those advanced adjacent to the dispensers were drilled up to 21.5 feet bgs. Additionally, groundwater samples were collected from one of the three soil borings and from four monitoring wells on site.

PRE-DRILLING ACTIVITIES

Utility Clearance

On May 13, 2008, each soil boring location was marked on site, and a private utility survey was conducted to identify subsurface utilities in the vicinity of the proposed soil boring and across the Site as a whole. The Utility Notification Center was contacted at least 72-hours in advance of air knifing activities, and a ticket number was issued to URS as compliance of proper notification.

Health and Safety Plan

A site specific health and safety plan was prepared for the Site in accordance with the HSE Contractor Safety Program. Prior to each field activity, URS performed a safety tailgate meeting with all staff and subcontractors working on the project.

Borehole Clearance

On May 15 and 16, 2008, URS cleared each soil boring to five feet bgs using air knife technology. During air knifing, soil is loosened with high pressure air and a steel pipe. Soil is removed from the borehole location using high vacuum air suction and captured in a steel tank. Upon completion of borehole clearance activities, captured soil was used to backfill the open borehole. The cleared borehole was finished flush to existing grade with concrete, and an "X" was scored into the concrete to mark the cleared borehole for the drill crew. If an obstruction was identified in the borehole, the borehole surface was backfilled with Quick Set and finished flush to existing grade with concrete.

DRILLING ACTIVITIES

On May 20, 2008 URS advanced a total of three soil borings, B01 through B03, at the Site. Gravel and cobble encountered in the subsurface resulted in poor sample recovery and the collection of only one soil sample. Variances from the Shell-approved scope of work for this

Site, in the form of fewer borings then expected, occurred due to overhead and underground obstructions encountered.

Soil borings were drilled using a CME 85 hollow stem auger drill rig. The auger was used to drill the soil boring to the target depth. Upon reaching the desired sample depth, a modified Dames and Moore sampler was driven 18 inches or until refusal into the center of the auger using a 300 pound hammer to collect relatively undisturbed soil samples. The sampler was lined with 6-inch stainless steel sleeves, which are used to collect the soil samples. Blow counts were recorded on the boring logs to estimate soil density. Each soil sample was collected in a stainless steel sleeve. For all samples, sample labels with the following information were affixed to the sleeve: soil boring number, sample depth, sampling date and time, and collector name. Sealed and labeled soil sleeves were immediately placed in plastic bags and stored in a chilled ice chest.

Sampling and Logging

The initial soil sample was collected from 5 feet bgs; thereafter, soil samples were collected at 5-foot intervals to the maximum depth explored. During drilling operations, boring logs were completed by a field geologist. The following sampling information was recorded on each boring log: boring number and location; drilling method; sample identification numbers; date and time; sample depth; lithologic description in general accordance with the Unified Soil Classification System (USCS) including soil type, particle size and distribution, color, and moisture content; description of any visible evidence of soil contamination (i.e., discoloration, unusual odors, etc.); and photoionization detector (PID) readings. Copies of the boring logs and field forms are provided in Attachment A.

Headspace readings of a discreet soil sample were measured in the field with a PID. A portion of the sample was placed into a sealed plastic bag. The sample was then agitated to break up any large pieces of soil, and allowed to equilibrate for approximately 10 minutes. Finally the PID probe was inserted into the bag and the concentration of volatile organic compounds was then recorded.

Groundwater samples were collected using peristaltic pump with tubing dedicated to each borehole.

URS sampling personnel wore clean, nitrile (or equivalent) protective gloves while collecting and handling the samples. Samples were tightly sealed, uniquely labeled, and stored on ice at less than 4 °C for transportation to the laboratory.

Decontamination

Drilling equipment and sampling tools were decontaminated with an Alconox™ (or equivalent) detergent solution to minimize cross-contamination. Clean, disposable nitrile gloves were worn when decontaminating the sampling equipment. Decontamination water was stored on site in a properly labeled Department of Transportation (DOT) approved 55-gallon drum.

Backfill and Disposal

Following drilling and sampling activities, borings were backfilled with hydrated bentonite chips. The top of the borehole was finished at-grade with concrete. Soil cuttings and decontamination water were placed on site in properly labeled DOT approved 55-gallon drums. The soil and decontamination water will be disposed of and/or recycled at a Shell approved facility. Waste disposal manifests will be submitted at a future date.

MONITORING WELL SAMPLING

On June 11, 2008, URS personnel collected groundwater samples from the onsite monitoring wells (MW1B, MW2B, MW12, and MW13). These wells were installed in 2002 as part of Shell's GRASP program, and were reportedly last monitored in April 2006. Wells were sampled using low flow methods by using a peristaltic pump with tubing dedicated to each boring. Prior to sampling the depth to water was measured relative to the top of the well casing and recorded on the field sheets. Depth to water data is also presented on Table 5 and Table 6.

LABORATORY ANALYSES

During the site investigation, soil samples were collected from boring B02 beginning at approximately 5 feet bgs and typically at 5-foot intervals thereafter to the maximum depth of the boring. In addition, groundwater samples were collected from boring B02 and from on site wells MW1B, MW2B, MW12 and MW13. A summary of the constituents analyzed for in the soil and groundwater samples is presented below.

Soil Samples

Soil samples collected from boring B02 located adjacent to the dispenser islands was analyzed for the following constituents.

- Total petroleum hydrocarbons as gasoline (TPH-g) using NWTPH-Gx method;

- Total petroleum hydrocarbons as diesel (TPH-d) and oil (TPH-o) using NWTPH-Dx method;
- Volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, and xylenes using EPA Method 8260B;
- Fuel oxygenate compounds consisting of methyl tert-butyl ether (MTBE), tert-butyl alcohol (TBA), diisopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), and tert-amyl methyl ether (TAME) using EPA Method 8260B; and
- Total metals analysis for lead by EPA Method 6010.

The samples were submitted to SPL Laboratories located in Houston, Texas. Chain-of-custody procedures were followed from sample collection to sample analysis. Certified laboratory analytical reports are presented in Attachment B.

Groundwater Samples

Groundwater samples collected from boring B2 and monitoring wells MW1B, MW2B, MW12, and MW13 were analyzed for the following constituents.

- TPH-g using NWTPH-Gx method;
- TPH-d and TPH-o using NWTPH-Dx method;
- VOCs including benzene, toluene, ethylbenzene, and xylenes using EPA Method 8260B;
- Fuel oxygenate compounds consisting of MTBE, TBA, DIPE, ETBE, and TAME using EPA Method 8260B; and
- Dissolved lead analysis by EPA Method 6010.

The samples were submitted to SPL Laboratories. Chain-of-custody procedures were followed from sample collection to sample analysis. Certified laboratory analytical reports are presented in Attachment B.

LIMITED DATA VALIDATION

Limited data validation was completed for the soil samples collected as part of this site investigation. The limited data validation includes a 100 percent completeness check of the following quality control parameters:

- chain-of-custody documentation;
- sample receipt times;
- laboratory holding times;
- method blanks;
- surrogate recoveries;
- laboratory control sample/laboratory control sample duplicate (LCS/LCSD); and
- matrix spike/matrix spike duplicate (MS/MSD).

The limited data validation memorandum is included as Attachment C.

INVESTIGATION RESULTS

This section presents the results of the due diligence program conducted at the Site.

Subsurface Conditions

During the investigation, three soil borings (B01, B02, and B03) were completed to depths ranging from 6 to 21.5 feet bgs. Soil encountered at the Site generally consisted of gravel and sand with silt and gravel to the total depth explored of 21.5 feet bgs.

There was no obvious staining or noticeable odors observed from any of the soil samples collected and logged during the investigation. PID headspace readings did not detect VOCs.

Groundwater was encountered in soil boring B02 at a depth of 12 feet bgs. Depth to groundwater in the monitoring wells ranged from 11.6 to 12.9 feet below the top of the well casing. Groundwater flow on June 9, 2008 was generally southwest with a gradient of 0.0037 feet/feet between wells MW2B and MW13. Groundwater elevation contours are presented on Figure 5.

Soil Analytical Results

Laboratory analytical results for soil samples are summarized in Tables 1 and 2. Soil analytical results are also illustrated on Figure 3. The certified analytical laboratory report and chain-of-custody documentation is presented in Attachment B.

Petroleum hydrocarbons were not detected in the soil sample collected from soil boring B02 located adjacent to the dispenser islands at the Site.

Volatile organic compounds (VOC) consisting of benzene, toluene, xylenes, and ethylbenzene; fuel oxygenate compounds consisting of MTBE, TBA, DIPE, ETBE, and TAME; and lead were not detected in soil samples collected from soil boring B02 located adjacent to the dispenser islands at the Site.

Groundwater Analytical Results

Laboratory analytical results from groundwater samples are summarized in Tables 3 through 6. Groundwater analytical results are also illustrated on Figure 4. The certified analytical laboratory report and chain-of-custody documentation is presented in Attachment C.

Petroleum hydrocarbons were not detected in groundwater samples collected from boring B02 or the monitoring wells sampled at the Site.

VOCs including benzene, toluene, xylenes, and ethylbenzene; fuel oxygenate compounds consisting of MTBE, TBA, DIPE, ETBE, and TAME; and dissolved lead were not detected in groundwater samples collected from soil boring B02 or the monitoring wells sampled at the Site.

CONCLUSIONS

Soil and groundwater results were compared to the Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A cleanup levels. Method A cleanup levels are presented on the bottom all data tables for comparison. All soil and groundwater results are below the MTCA Method A cleanup levels.

If you have any questions regarding this letter report, please do not hesitate to call the undersigned at (503) 222-7200.

Sincerely,

URS CORPORATION

Brian J. Pletcher
Senior Geologist

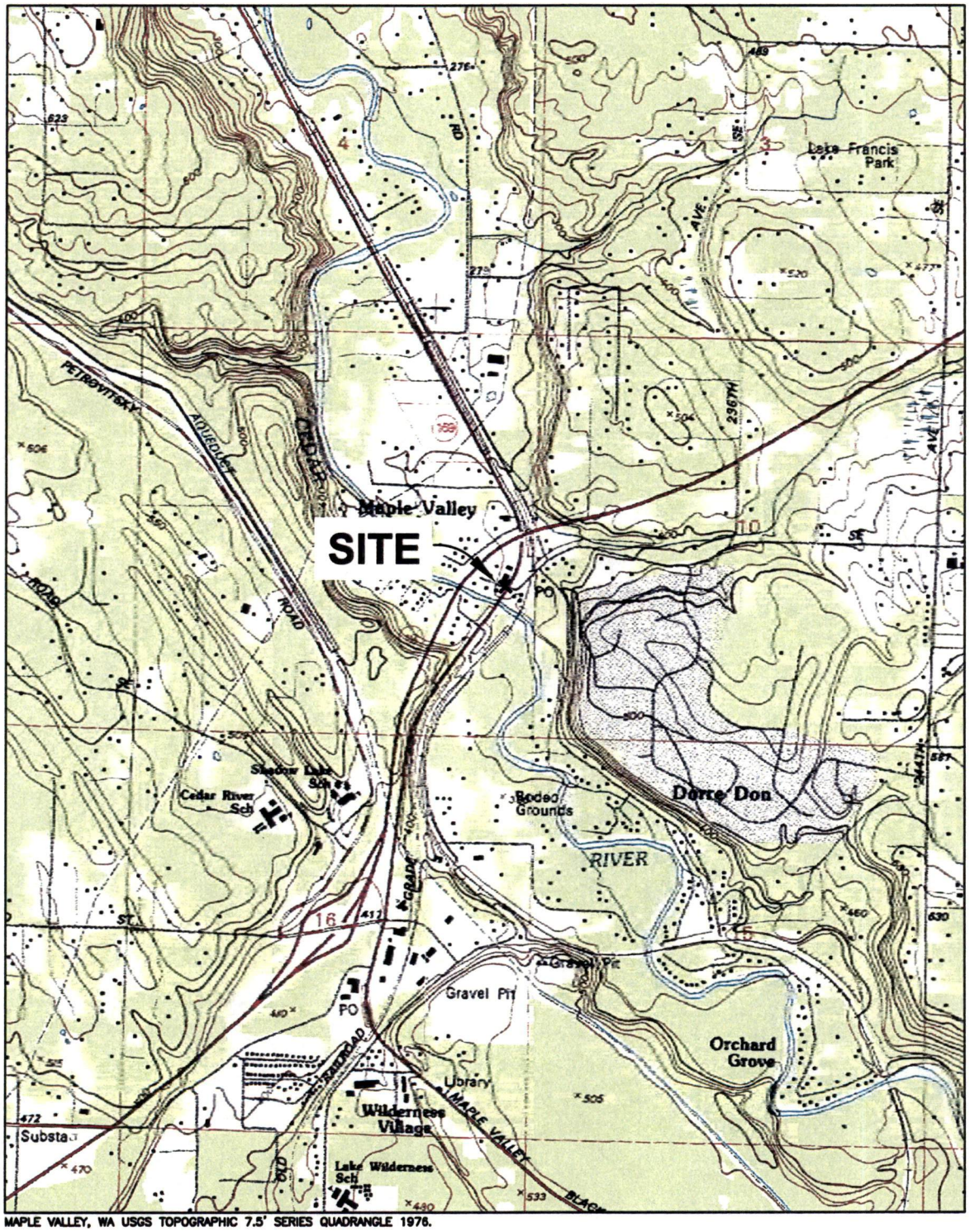
Geoff Garrison, PhD, LG
Senior Geologist

List of Attachments:

Figure 1 - Site Vicinity Map
Figure 2 - Boring Locations
Figure 3 - Soil Analytical Results
Figure 4 - Groundwater Analytical Results
Figure 5 - Groundwater Elevation Contours
Tables 1& 2 - Soil Analytical Results
Tables 3 & 4 - Groundwater Analytical Results
Tables 5 & 6 - Monitoring Well Analytical Results
Attachment A - Boring Logs
Attachment B - Soil and Groundwater Certified Laboratory Analytical Reports
Attachment C - Limited Data Validation

cc: Gayle Garbush, Toxics Cleanup Program, Ecology Northwest Regional Office, 3190 160th Avenue SE, Bellevue, WA 98008-5452

FIGURES



APPROXIMATE SCALE:
1:24,000

MAPLE VALLEY, WA USGS TOPOGRAPHIC 7.5' SERIES QUADRANGLE 1976.

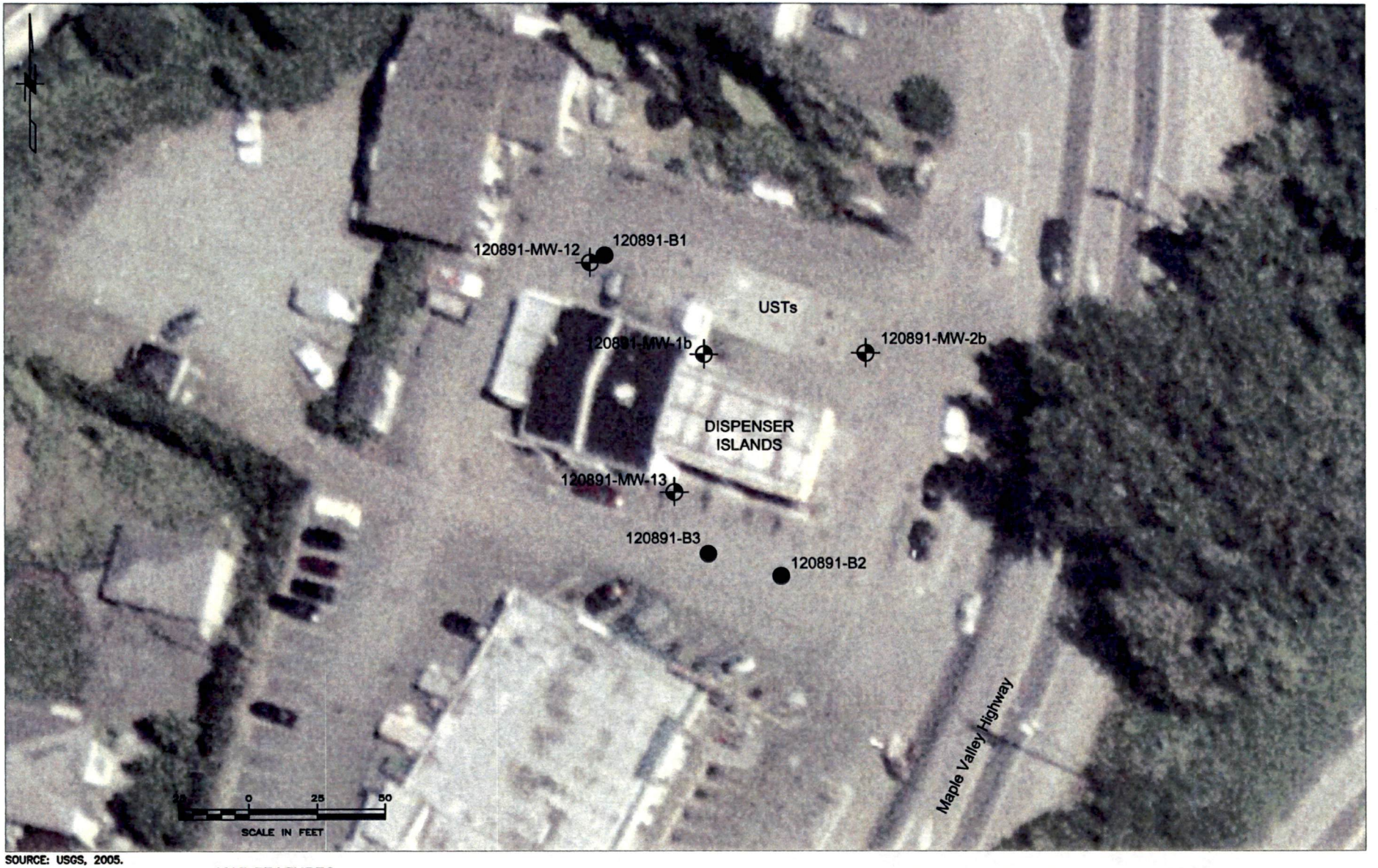
SITE VICINITY MAP

SHELL STATION 120891
21641 MAPLE VALLEY HWY
MAPLE VALLEY, WASHINGTON

JUNE 2008
25211158

URS

FIGURE 1



SOURCE: USGS, 2005.

MAP FEATURES

- BORING LOCATION
- MONITORING WELL LOCATION

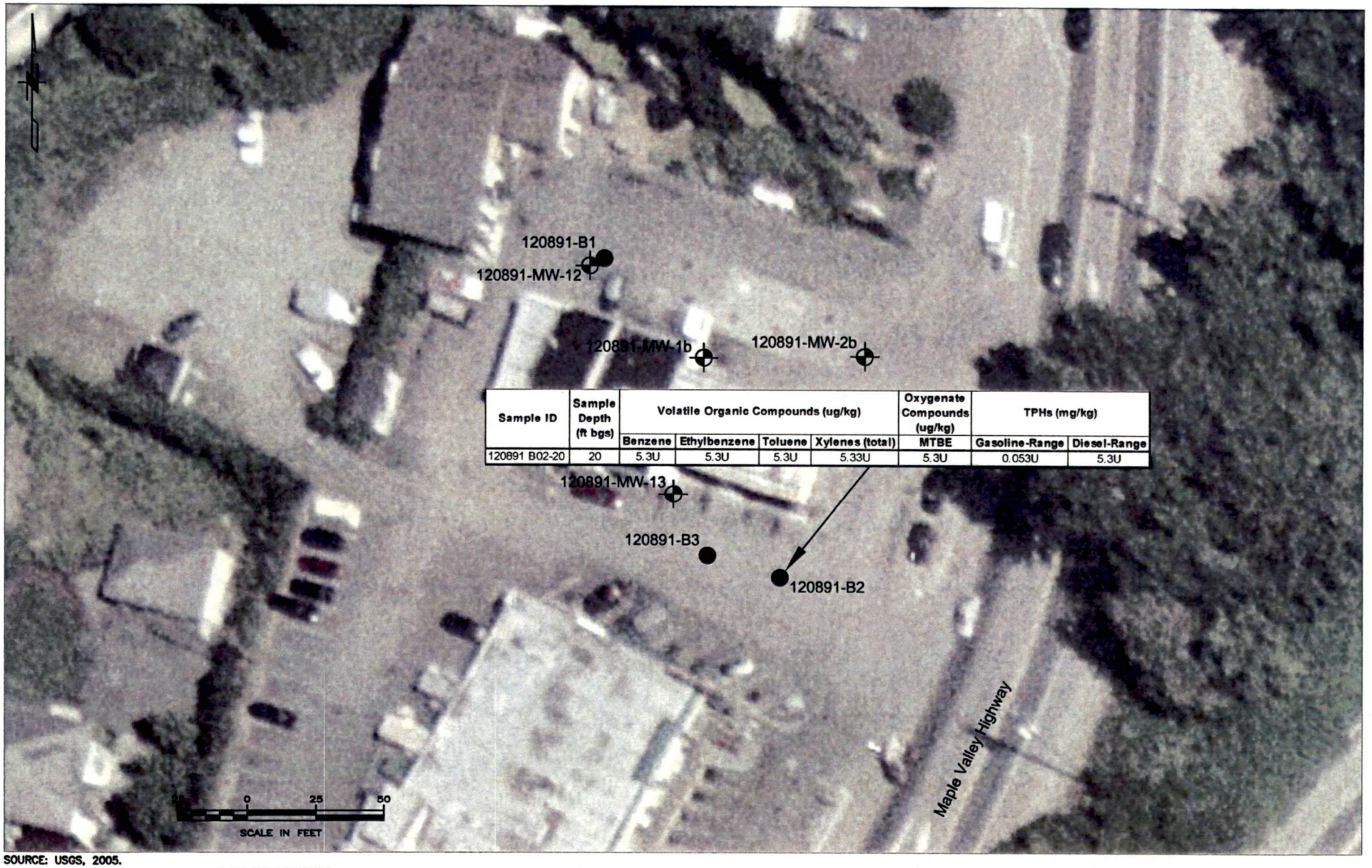
URS

BORING LOCATIONS

SHELL STATION 120891
21641 MAPLE VALLEY HWY
MAPLE VALLEY, WASHINGTON

JUNE 2008
25211158

FIGURE 2



Sample ID	Sample Depth (ft bgs)	Volatile Organic Compounds (ug/kg)				Oxygenate Compounds (ug/kg)	TPHs (mg/kg)	
		Benzene	Ethylbenzene	Toluene	Xylenes (total)	MTBE	Gasoline-Range	Diesel-Range
120891 B02-20	20	5.3U	5.3U	5.3U	5.33U	5.3U	0.053U	5.3U

SOURCE: USGS, 2005.

MAP FEATURES

- BORING LOCATION
- MONITORING WELL LOCATION

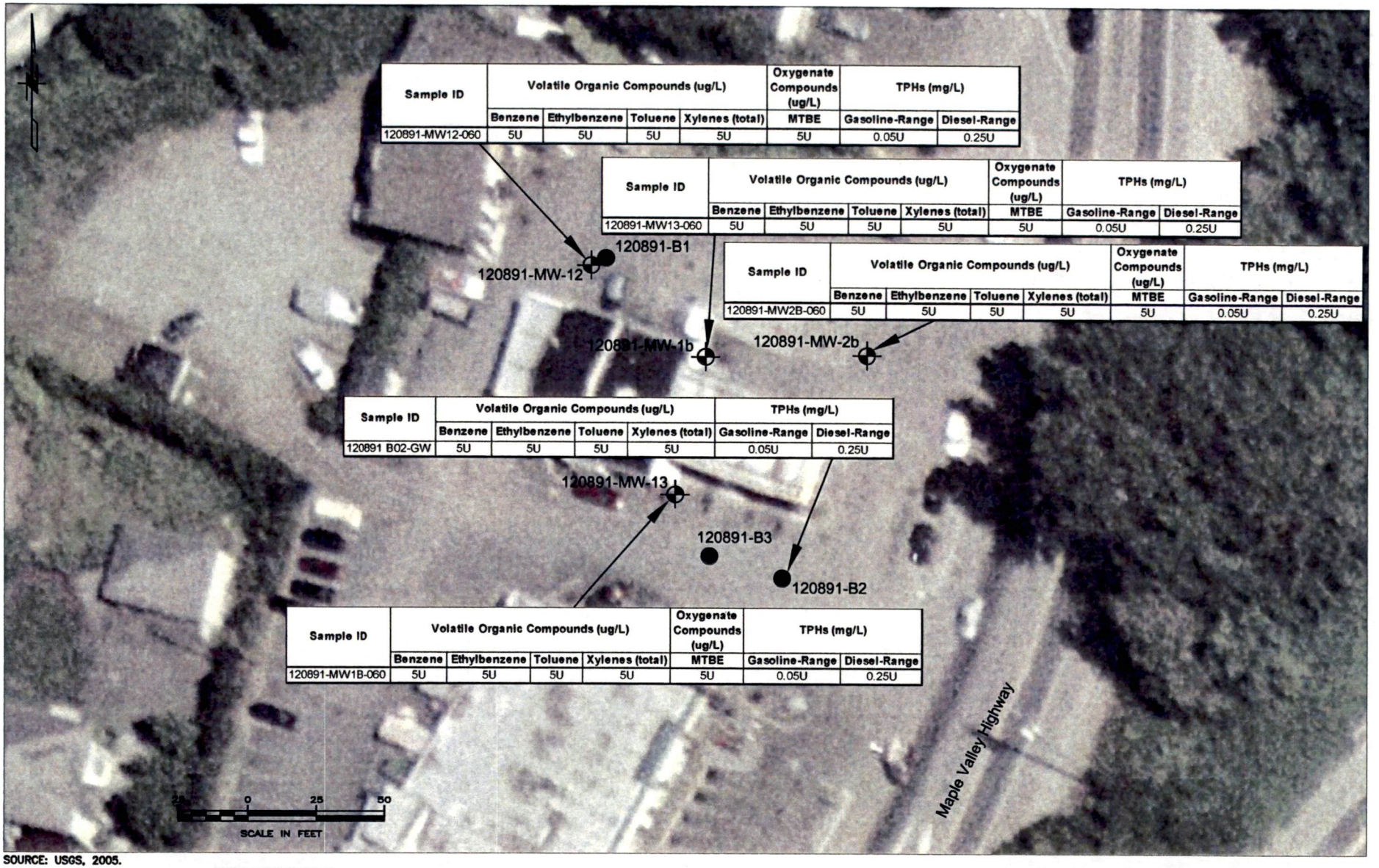
URS

SOIL ANALYTICAL RESULTS

JUNE 2008
25211158

SHELL STATION 120891
21641 MAPLE VALLEY HWY
MAPLE VALLEY, WASHINGTON

FIGURE 3



SOURCE: USGS, 2005.

MAP FEATURES

- BORING LOCATION
- MONITORING WELL LOCATION

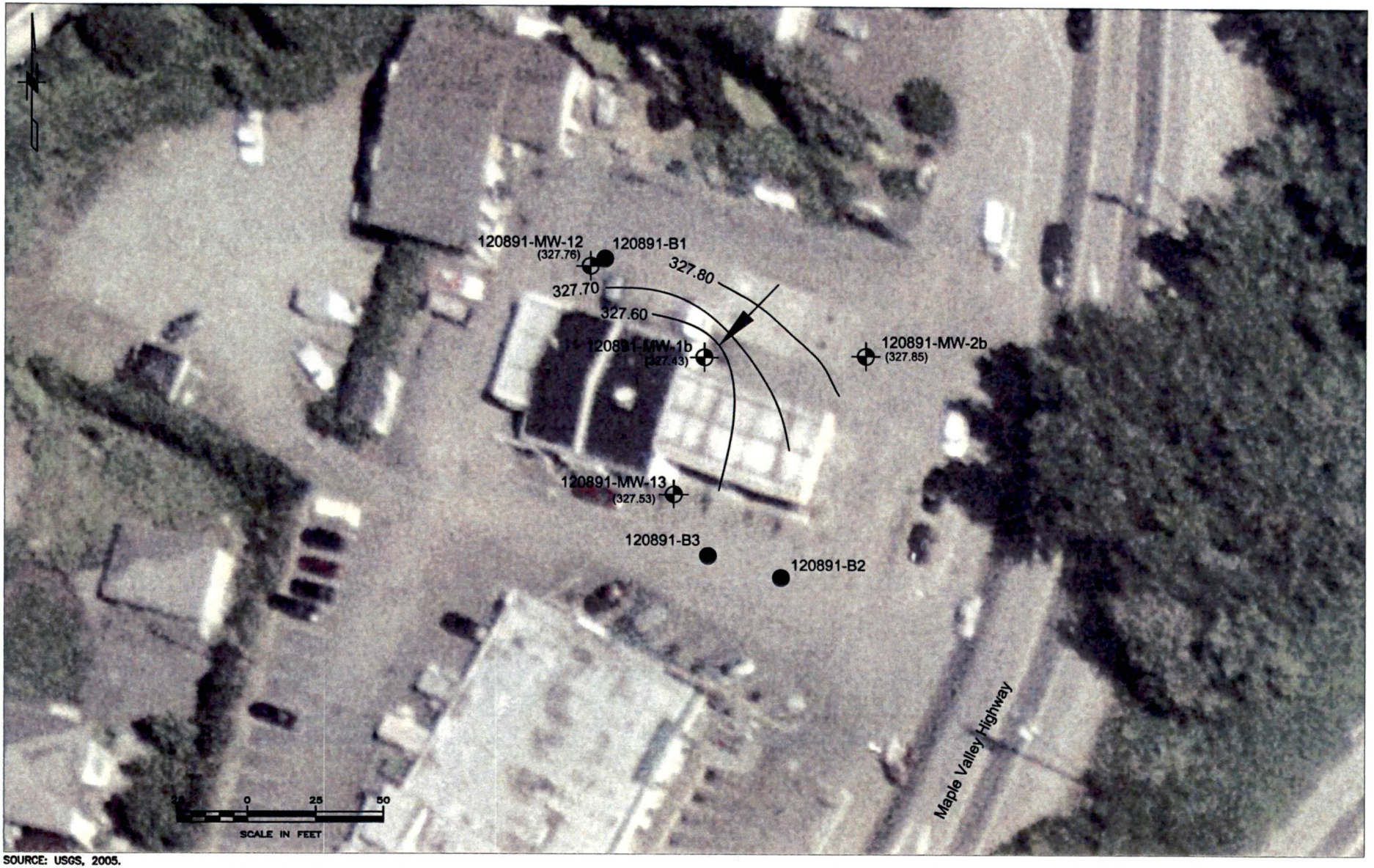
URS

GROUNDWATER ANALYTICAL RESULTS

JUNE 2008
25211158

SHELL STATION 120891
21641 MAPLE VALLEY HWY
MAPLE VALLEY, WASHINGTON

FIGURE 4



SOURCE: USGS, 2005.

MAP FEATURES

- BORING LOCATION
- MONITORING WELL LOCATION
- 327 — APPROXIMATE GROUNDWATER ELEVATION CONTOUR, JUNE 11, 2008
- INFERRED GROUNDWATER FLOW DIRECTION

URS

GROUNDWATER ELEVATION CONTOURS

JUNE 2008
25211158

SHELL STATION 120891
21641 MAPLE VALLEY HWY
MAPLE VALLEY, WASHINGTON

FIGURE 5

O:\25211158 Shell\4819421O--WA EDD\SAP 120891 Maple Valley\Figures\Fig 5 Groundwater Elevation Contours.dwg Jul 09, 2008 - 3:22pm

TABLES

Table 1
Summary of Soil Analytical Results
Shell Station SAP 120891
21641 Maple Valley Hwy, Maple Valley, Washington

Sample ID	Sample Date	Sample Depth (ft bgs)	Volatile Organic Compounds (ug/kg)				TPHs (mg/kg)			Total Metals (mg/kg)
			Benzene	Ethylbenzene	Toluene	Xylenes (total)	Gasoline-Range	Diesel-Range	Oil-Range	Lead
120891 B02-20	5/20/2008	20	5.3U	5.3U	5.3U	5.33U	0.053U	5.3U	11U	26.7U
MTCA Method A Soil Cleanup Level (R)			30	6,000	7,000	9,000	30 / 100 [(1)]	2,000	2,000	250
MTCA Method A Soil Cleanup Level (I)			30	6,000	7,000	9,000	30 / 100 [(1)]	2,000	2,000	1,000

Notes:
All soil results were reported on a dry-weight basis.
Numbers in **bold** font indicate that the reported result meets or exceeds the MTCA Method A cleanup level.
Model Toxics Control Act (MTCA) Cleanup Regulation, WAC 173-340. MTCA Method A values are from Ecology website CLARC tables downloaded May 2008 (https://fortress.wa.gov/ecy/clarc/reporting/CLARCReporting.aspx).
(R) - MTCA cleanup level for unrestricted land use
(I) - MTCA cleanup level for industrial property
ft bgs - feet below ground surface
J - Estimated concentration.
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. The reporting limit is an estimated value.
NA - Not analyzed
NE - Not established
PAHs - Polynuclear aromatic hydrocarbons
TCLP - Toxicity Characteristic Leaching Procedure
TPHs - Total petroleum hydrocarbons
[1] The soil cleanup level is 100 mg/kg if benzene is not present and the total of ethylbenzene, toluene, and xylenes is less than 1% of the gasoline mixture. The cleanup level for all other gasoline mixtures is 30 mg/kg.

Table 2
Summary of Soil Analytical Results
Shell Station SAP 120891
21641 Maple Valley Hwy, Maple Valley, Washington

Sample ID	Sample Date	Sample Depth (ft bgs)	Oxygenate Compounds (ug/kg)				
			Diisopropyl Ether (DIPE)	Ethyl tert-butyl ether (ETBE)	Methyl tert-butyl ether (MTBE)	t-Butyl Alcohol (TBA)	tert-Amyl methyl ether (TAME)
120891 B02-20	5/20/2008	20	11U	5.3U	5.3U	110U	5.3U
MTCA Method A Soil Cleanup Level (R)			NE	NE	100	NE	NE
MTCA Method A Soil Cleanup Level (I)			NE	NE	100	NE	NE

Notes:
All soil results were reported on a dry-weight basis.
Numbers in **bold** font indicate that the reported result meets or exceeds the MTCA Method A cleanup level.
Model Toxics Control Act (MTCA) Cleanup Regulation, WAC 173-340. MTCA Method A values are from Ecology website CLARC tables downloaded May 2008 (https://fortress.wa.gov/ecy/clarc/reporting/CLARCReporting.aspx).
(R) - MTCA cleanup level for unrestricted land use
(I) - MTCA cleanup level for industrial property
ft bgs - feet below ground surface
J - Estimated concentration.
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. The reporting limit is an estimated value.
NA - Not analyzed
NE - Not established

Table 3
Summary of Groundwater Analytical Results
Shell Station SAP 120891
21641 Maple Valley Hwy, Maple Valley, Washington

Sample ID	Sample Date	Volatile Organic Compounds (ug/L)				TPHs (mg/L)			Dissolved Metals (mg/L)[2]
		Benzene	Ethylbenzene	Toluene	Xylenes (total)	Gasoline-Range	Diesel-Range	Oil-Range	Lead
120891 B02-GW	5/20/2008	5U	5U	5U	5U	0.05U	0.25U	0.5U	0.05U
MTCA Method A Groundwater Cleanup Level		5	700	1,000	1,000	0.8 / 1.0 [(1)]	0.5	0.5	0.015

Notes:

Numbers in **bold** font indicate that the reported result meets or exceeds the MTCA Method A cleanup level.

Model Toxics Control Act (MTCA) Cleanup Regulation, WAC 173-340. MTCA Method A values are from Ecology website CLARC tables downloaded May 2008 (https://fortress.wa.gov/ecy/clarc/reporting/CLARCReporting.aspx).

J - Estimated concentration.

U - Compound was analyzed for but not detected above the reporting limit shown.

UJ - Compound was analyzed for but not detected above the reporting limit shown. The reporting limit is an estimated value.

NA - Not analyzed

NE - Not established

TPHs - Total petroleum hydrocarbons

[1] The groundwater screening level is 1.0 mg/L if benzene is not present and the total of ethylbenzene, toluene, and xylenes is less than 1% of the gasoline mixture. The screening level for all other gasoline mixtures is 0.8 mg/L.

[2] Criteria for metals is based on total metals.

Table 4
Summary of Monitoring Well Analytical Results
Shell Station SAP 120891
21641 Maple Valley Hwy, Maple Valley, Washington

Sample ID	Sample Date	Volatile Organic Compounds (ug/L)				TPHs (mg/L)			Dissolved Metals (mg/L)[2]	Top of Casing Elevation	Depth to Groundwater (feet)	Groundwater Elevation (feet)
		Benzene	Ethylbenzene	Toluene	Xylenes (total)	Gasoline-Range	Diesel-Range	Oil-Range	Lead			
120891-MW12-060	6/9/2008	5U	5U	5U	5U	0.05U	0.25U	0.5U	0.05U	340.38	12.92	327.46
120891-MW13-060	6/9/2008	5U	5U	5U	5U	0.05U	0.25U	0.5U	0.05U	340.19	12.66	327.53
120891-MW1B-060	6/9/2008	5U	5U	5U	5U	0.05U	0.25U	0.5U	0.05U	340.03	12.60	327.43
120891-MW2B-060	6/9/2008	5U	5U	5U	5U	0.05U	0.25U	0.5U	0.05U	339.42	11.57	327.85
MTCA Method A Groundwater Cleanup Level		5	700	1,000	1,000	0.8 / 1.0 [(1)]	0.5	0.5	0.015	--	--	--

Notes:
Numbers in **bold** font indicate that the reported result meets or exceeds the MTCA Method A cleanup level.
Model Toxics Control Act (MTCA) Cleanup Regulation, WAC 173-340. MTCA Method A values are from Ecology website CLARC tables downloaded May 2008 (https://fortress.wa.gov/ecy/clarc/reporting/CLARCReporting.aspx).
J - Estimated concentration.
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. The reporting limit is an estimated value.
NA - Not analyzed
NE - Not established
TPHs - Total petroleum hydrocarbons
[1] The groundwater screening level is 1.0 mg/L if benzene is not present and the total of ethylbenzene, toluene, and xylenes is less than 1% of the gasoline mixture. The screening level for all other gasoline mixtures is 0.8 mg/L.
[2] Criteria for metals is based on total metals.

Table 5
Summary of Monitoring Well Analytical Results for VOCs, TPHs, and Metals
Shell Station SAP # 120891
21641 Maple Valley Hwy, Maple Valley, Washington

Sample ID	Sample Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Volatile Organic Compounds (VOCs, ug/L)				TPHs (mg/L)			Dissolved Metals (mg/L)
					Benzene	Ethylbenzene	Toluene	Xylenes (total)	Gasoline-Range	Diesel-Range	Oil-Range	Lead
120891-MW1B	6/9/2008	340.03	12.60	327.43	5 U	5 U	5 U	5 U	0.05 U	0.25 U	0.5 U	0.05 U
120891-MW2B	6/9/2008	339.42	11.57	327.85	5 U	5 U	5 U	5 U	0.05 U	0.25 U	0.5 U	0.05 U
120891-MW12	6/9/2008	340.38	12.92	327.46	5 U	5 U	5 U	5 U	0.05 U	0.25 U	0.5 U	0.05 U
120891-MW13	6/9/2008	340.19	12.66	327.53	5 U	5 U	5 U	5 U	0.05 U	0.25 U	0.5 U	0.05 U
MTCA Method A Groundwater Cleanup Level					5	700	1,000	1,000	0.8 / 1.0 [1]	0.5	0.5	0.015

Notes:
Model Toxics Control Act (MTCA) Cleanup Regulation, WAC 173-340. MTCA Method A values are from Ecology website CLARC tables downloaded May 2008 (https://fortress.wa.gov/ecy/clarc/reporting/CLARCReporting.aspx).
U - Compound was analyzed for but not detected above the reporting limit shown.
TPHs - Total petroleum hydrocarbons
[1] The groundwater screening level is 1.0 mg/L if benzene is not present and the total of ethylbenzene, toluene, and xylenes is less than 1% of the gasoline mixture. The screening level for all other gasoline mixtures is 0.8 mg/L.

Table 6
Summary of Monitoring Well Analytical Results for Oxygenate Compounds
Shell Station SAP # 120891
21641 Maple Valley Hwy, Maple Valley, Washington

Sample ID	Sample Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Oxygenate Compounds (ug/L)				
					Diisopropyl ether (DIPE)	Ethyl tert-butyl ether (ETBE)	Methyl tert-butyl ether (MTBE)	t-Butyl alcohol (TBA)	tert-Amyl methyl ether (TAME)
120891-MW1B	6/9/2008	340.03	12.60	327.43	10 U	10 U	5 U	100 U	10 U
120891-MW2B	6/9/2008	339.42	11.57	327.85	10 U	10 U	5 U	100 U	10 U
120891-MW12	6/9/2008	340.38	12.92	327.46	10 U	10 U	5 U	100 U	10 U
120891-MW13	6/9/2008	340.19	12.66	327.53	10 U	10 U	5 U	100 U	10 U
MTCA Method A Groundwater Cleanup Level					NE	NE	20	NE	NE

Notes:
Model Toxics Control Act (MTCA) Cleanup Regulation, WAC 173-340. MTCA Method A values are from Ecology website CLARC tables downloaded May 2008 (https://fortress.wa.gov/ecy/clarc/reporting/CLARCReporting.aspx).
U - Compound was analyzed for but not detected above the reporting limit shown.
NE - Not established

ATTACHMENT A
BORING LOGS

Project: Shell Western Washington Divestment
Project Location: 120891 - 21641 Maple Valley Highway, WA
Project Number: 46194210

Log of Boring B1

Sheet 1 of 1

Date(s) Drilled	5/20/2008	Logged By	Jacob Letts	Checked By	Brian Pletcher
Drilling Method	Hollow Stem Auger	Drilling Contractor	Cascade Drilling	Total Depth of Borehole ft bgs	11.0
Drill Rig Type	CME 85	Borehole Diameter (inches)	8	Approx. Surface Elevation ft msl	N/A
Approx. Depth Groundwater Encountered	Not Encountered	Sampler Type	Dames & Moore	Borehole Backfill	Quick Set
Comments					

Feet MSL	Depth, feet	SAMPLES Type	SAMPLES Number	Blows/6 in.	Inches Recovered	Graphic Log	MATERIAL DESCRIPTION	PID Headspace (ppm)		Sample Time	REMARKS
	0						Air knifed to 7.0 feet bgs.				
							Backfill from hole clearance.				
	5						**POORLY GRADED GRAVEL [GP]**, brown, dry , very dense, coarse gravel, cobbles between 1 and 6 inches in size (No odor or stain).				
	10			22 50/5"	0			0.0			
							Boring terminated at 11 feet bgs upon refusal and backfilled with quick set on 5/20/2008.				
	15										
	20										
	25										
	30										

URS

Project: Shell Western Washington Divestment
Project Location: 120891 - 21641 Maple Valley Highway, WA
Project Number: 46194210

Log of Boring B2

Sheet 1 of 1

Date(s) Drilled	5/20/2008	Logged By	Jacob Letts	Checked By	Brian Pletcher
Drilling Method	Hollow Stem Auger	Drilling Contractor	Cascade Drilling	Total Depth of Borehole ft bgs	21.5
Drill Rig Type	CME 85	Borehole Diameter (inches)	8	Approx. Surface Elevation ft msl	N/A
Approx. Depth Groundwater Encountered	12	Sampler Type	Dames & Moore	Borehole Backfill	Quick Set
Comments					

Feet MSL	Depth, feet	SAMPLES Type	SAMPLES Number	Blows/6 in.	Inches Recovered	Graphic Log	MATERIAL DESCRIPTION	PID Headspace (ppm)		Sample Time	REMARKS
	0						Air knifed to 7.0 feet bgs.				
	5						Backfill from hole clearance.				
	10		120891-B02-10	12 50/6"	6		**POORLY GRADED GRAVEL [GP]**, brown, dry to damp, very dense, coarse gravel, cobbles up to 8 inches (No odor or stain). ▽	0.0		0915	120891-B02-GW (1000)
	15		120891-B02-15	6 12 18	12		**POORLY GRADED SAND WITH SILT AND GRAVEL [SP-SM]**, brown, moist to wet, medium dense, coarse sand, medium gravel, occassional medium to large cobbles (No odor or stain).	0.0		0920	
	20		120891-B02-20	12 25 26	18		*Grading to very dense, silt content increasing.*	0.0		0930	
							Boring terminated at 21.5 feet bgs upon refusal and backfilled with quick set on 5/20/2008.				
	25										
	30										

URS

Project: Shell Western Washington Divestment
Project Location: 120891 - 21641 Maple Valley Highway, WA
Project Number: 46194210

Log of Boring B3

Sheet 1 of 1

Date(s) Drilled	5/20/2008	Logged By	Jacob Letts	Checked By	Brian Pletcher
Drilling Method	Hollow Stem Auger	Drilling Contractor	Cascade Drilling	Total Depth of Borehole ft bgs	6.0
Drill Rig Type	CME 85	Borehole Diameter (inches)	8	Approx. Surface Elevation ft msl	N/A
Approx. Depth Groundwater Encountered	Not Encountered	Sampler Type	Dames & Moore	Borehole Backfill	Quick Set
Comments					

Feet MSL	Depth, feet	SAMPLES Type	SAMPLES Number	Blows/6 in.	Inches Recovered	Graphic Log	MATERIAL DESCRIPTION	PID Headspace (ppm)		Sample Time	REMARKS
	0						Air knifed to 5.0 feet bgs.				
							Backfill from hole clearance.				
	5						**POORLY GRADED GRAVEL [GP]**, coarse gravel, cobbles between 4 and 8 inches in size (No odor or stain).	0			
							Boring terminated at 6 feet bgs upon refusal and backfilled with quick set on 5/20/2008.				
	10										
	15										
	20										
	25										
	30										

URS

ATTACHMENT B
CERTIFIED LABORATORY ANALYTICAL REPORTS
SOIL AND GROUNDWATER SAMPLES

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Shell Products US - Environmental Services

Certificate of Analysis Number:

08051560

Report To:		Project Name:	SAP# 120891
URS Corporation		Site:	21641 Maple Valley Hwy
Alison Rohde		Site Address:	21641 Maple Valley Highway
1501 4th Avenue, Ste. 1400			Maple Valley WA
Seattle		PO Number:	4700002340
WA		State:	Washington
98101-		State Cert. No.:	C1350
ph: (206) 438-2052	fax:	Date Reported:	6/24/2008

This Report Contains A Total Of 24 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

6/24/2008

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Shell Products US - Environmental Services

Certificate of Analysis Number:

08051560

Report To:		Project Name:	SAP# 120891
URS Corporation		Site:	21641 Maple Valley Hwy
Alison Rohde		Site Address:	21641 Maple Valley Highway
1501 4th Avenue, Ste. 1400			Maple Valley WA
Seattle		PO Number:	4700002340
WA		State:	Washington
98101-		State Cert. No.:	C1350
ph: (206) 438-2052	fax:	Date Reported:	6/24/2008

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not extracted with Batch ID: 79407 for the Diesel Range Organics analysis by Method NWTPH-Dx. A Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) were extracted with the analytical batch and serve as the batch quality control (QC). The LCS and LCSD recovered acceptably and precision criteria were met.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

E Cardenas

6/24/2008

Erica Cardenas
Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Shell Products US - Environmental Services

Certificate of Analysis Number:

08051560

Report To: URS Corporation
Alison Rohde
1501 4th Avenue, Ste. 1400

Seattle
WA
98101-
ph: (206) 438-2052 fax:

Fax To:

Project Name: SAP# 120891
Site: 21641 Maple Valley Hwy
Site Address: 21641 Maple Valley Highway
Maple Valley WA
PO Number: 4700002340
State: Washington
State Cert. No.: C1350
Date Reported: 6/24/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
120891 B02-10	08051560-01	Soil	5/20/2008 9:15:00 AM	5/21/2008 10:00:00 AM		☑
120891 B02-15	08051560-02	Soil	5/20/2008 9:20:00 AM	5/21/2008 10:00:00 AM		☑
120891 B02-20	08051560-03	Soil	5/20/2008 9:30:00 AM	5/21/2008 10:00:00 AM		☐
120891 B02-GW	08051560-04	Water	5/20/2008 10:00:00 AM	5/21/2008 10:00:00 AM		☐

E Cardenas

6/24/2008

Erica Cardenas
Project Manager

Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891 B02-20 **Collected:** 05/20/2008 9:30 **SPL Sample ID:** 08051560-03

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				**MCL**	**NWTPH-DX**	**Units: mg/kg-dry**		
Diesel Range Organics (C12-C24)	ND		5.3		1	05/30/08 13:14	NW	4473587
Oil Range Organics (C24-C32)	ND		11		1	05/30/08 13:14	NW	4473587
Surr: n-Pentacosane	105		% 20-150		1	05/30/08 13:14	NW	4473587

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	05/29/2008 10:37	QMT	1.00

GASOLINE RANGE ORGANICS				**MCL**	**NWTPH-GX**	**Units: mg/kg-dry**		
Gasoline Range Organics	ND		0.053		1	05/22/08 23:39	NMa	4456201
Surr: 1,4-Difluorobenzene	98.9		% 63-142		1	05/22/08 23:39	NMa	4456201
Surr: 4-Bromofluorobenzene	102		% 50-159		1	05/22/08 23:39	NMa	4456201

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	05/22/2008 12:35	NMa	1.00

METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/kg-dry**		
Lead	ND		26.7		5	06/07/08 21:41	EG	4488274

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	06/03/2008 12:45	DDW	1.00

PERCENT MOISTURE				**MCL**	**D2216**	**Units: wt%**		
Percent Moisture	6.2		0		1	05/28/08 17:32	KRD	4466461

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891 B02-20 **Collected:** 05/20/2008 9:30 **SPL Sample ID:** 08051560-03

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/kg-dry**	
1,1,1,2-Tetrachloroethane	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,1,1-Trichloroethane	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,1,2,2-Tetrachloroethane	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,1,2-Trichloroethane	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,1-Dichloroethane	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,1-Dichloroethene	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,1-Dichloropropene	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,2,3-Trichlorobenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,2,3-Trichloropropane	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,2,4-Trichlorobenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,2,4-Trimethylbenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,2-Dibromo-3-chloropropane	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,2-Dibromoethane	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,2-Dichlorobenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,2-Dichloroethane	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,2-Dichloropropane	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,3,5-Trimethylbenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,3-Dichlorobenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,3-Dichloropropane	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,4-Dichlorobenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
2,2-Dichloropropane	ND		5.3	1	06/01/08 20:00	D_R	4477451
2-Butanone	ND		21	1	06/01/08 20:00	D_R	4477451
2-Chloroethyl vinyl ether	ND		11	1	06/01/08 20:00	D_R	4477451
2-Chlorotoluene	ND		5.3	1	06/01/08 20:00	D_R	4477451
2-Hexanone	ND		11	1	06/01/08 20:00	D_R	4477451
4-Chlorotoluene	ND		5.3	1	06/01/08 20:00	D_R	4477451
4-Isopropyltoluene	ND		5.3	1	06/01/08 20:00	D_R	4477451
4-Methyl-2-pentanone	ND		11	1	06/01/08 20:00	D_R	4477451
Acetone	ND		110	1	06/01/08 20:00	D_R	4477451
Acrylonitrile	ND		53	1	06/01/08 20:00	D_R	4477451
Benzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
Bromobenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
Bromochloromethane	ND		5.3	1	06/01/08 20:00	D_R	4477451
Bromodichloromethane	ND		5.3	1	06/01/08 20:00	D_R	4477451
Bromoform	ND		5.3	1	06/01/08 20:00	D_R	4477451
Bromomethane	ND		11	1	06/01/08 20:00	D_R	4477451
Carbon disulfide	ND		5.3	1	06/01/08 20:00	D_R	4477451
Carbon tetrachloride	ND		5.3	1	06/01/08 20:00	D_R	4477451
Chlorobenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891 B02-20 **Collected:** 05/20/2008 9:30 **SPL Sample ID:** 08051560-03

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Chloroethane	ND		11	1	06/01/08 20:00	D_R	4477451
Chloroform	ND		5.3	1	06/01/08 20:00	D_R	4477451
Chloromethane	ND		11	1	06/01/08 20:00	D_R	4477451
Dibromochloromethane	ND		5.3	1	06/01/08 20:00	D_R	4477451
Dibromomethane	ND		5.3	1	06/01/08 20:00	D_R	4477451
Dichlorodifluoromethane	ND		11	1	06/01/08 20:00	D_R	4477451
Diisopropyl Ether	ND		11	1	06/01/08 20:00	D_R	4477451
Ethyl tert-butyl ether	ND		5.3	1	06/01/08 20:00	D_R	4477451
Ethylbenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
Hexachlorobutadiene	ND		5.3	1	06/01/08 20:00	D_R	4477451
Isopropylbenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
Methyl tert-butyl ether	ND		5.3	1	06/01/08 20:00	D_R	4477451
Methylene chloride	ND		5.3	1	06/01/08 20:00	D_R	4477451
Naphthalene	ND		5.3	1	06/01/08 20:00	D_R	4477451
n-Butylbenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
n-Propylbenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
sec-Butylbenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
Styrene	ND		5.3	1	06/01/08 20:00	D_R	4477451
t-Butyl Alcohol	ND		110	1	06/01/08 20:00	D_R	4477451
tert-Amyl methyl ether	ND		5.3	1	06/01/08 20:00	D_R	4477451
tert-Butylbenzene	ND		5.3	1	06/01/08 20:00	D_R	4477451
Tetrachloroethene	ND		5.3	1	06/01/08 20:00	D_R	4477451
Toluene	ND		5.3	1	06/01/08 20:00	D_R	4477451
Trichloroethene	ND		5.3	1	06/01/08 20:00	D_R	4477451
Trichlorofluoromethane	ND		5.3	1	06/01/08 20:00	D_R	4477451
Vinyl acetate	ND		5.3	1	06/01/08 20:00	D_R	4477451
Vinyl chloride	ND		5.3	1	06/01/08 20:00	D_R	4477451
cis-1,2-Dichloroethene	ND		5.3	1	06/01/08 20:00	D_R	4477451
cis-1,3-Dichloropropene	ND		5.3	1	06/01/08 20:00	D_R	4477451
m,p-Xylene	ND		5.3	1	06/01/08 20:00	D_R	4477451
o-Xylene	ND		5.3	1	06/01/08 20:00	D_R	4477451
trans-1,2-Dichloroethene	ND		5.3	1	06/01/08 20:00	D_R	4477451
trans-1,3-Dichloropropene	ND		5.3	1	06/01/08 20:00	D_R	4477451
1,2-Dichloroethene (total)	ND		5.3	1	06/01/08 20:00	D_R	4477451
Xylenes,Total	ND		5.33	1	06/01/08 20:00	D_R	4477451
Surr: 1,2-Dichloroethane-d4	107		% 41-155	1	06/01/08 20:00	D_R	4477451
Surr: 4-Bromofluorobenzene	98.8		% 64-147	1	06/01/08 20:00	D_R	4477451
Surr: Toluene-d8	104		% 52-152	1	06/01/08 20:00	D_R	4477451

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	06/01/2008 12:05	D_R	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891 B02-GW **Collected:** 05/20/2008 10:00 **SPL Sample ID:** 08051560-04

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**NWTPH-DX**	**Units: mg/L**		
Diesel Range Organics (C12-C24)	ND		0.25	1	05/24/08 16:11	RLR	4465927
Oil Range Organics (C24-C32)	ND		0.5	1	05/24/08 16:11	RLR	4465927
Surr: n-Pentacosane	68.8		% 20-150	1	05/24/08 16:11	RLR	4465927

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/22/2008 14:13	N_M	1.00

GASOLINE RANGE ORGANICS			**MCL**	**NWTPH-GX**	**Units: mg/L**		
Gasoline Range Organics	ND		0.05	1	05/30/08 11:16	DMN	4472844
Surr: 1,4-Difluorobenzene	103		% 60-155	1	05/30/08 11:16	DMN	4472844
Surr: 4-Bromofluorobenzene	106		% 50-158	1	05/30/08 11:16	DMN	4472844

METALS BY METHOD 6010B, DISSOLVED			**MCL**	**SW6010B**	**Units: mg/L**		
Lead	ND		0.05	1	06/03/08 14:43	EG	4482121

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	05/26/2008 17:10	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891 B02-GW **Collected:** 05/20/2008 10:00 **SPL Sample ID:** 08051560-04

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**	
1,1,1,2-Tetrachloroethane	ND		5	1	06/02/08 12:40	DY	4481866
1,1,1-Trichloroethane	ND		5	1	06/02/08 12:40	DY	4481866
1,1,2,2-Tetrachloroethane	ND		5	1	06/02/08 12:40	DY	4481866
1,1,2-Trichloroethane	ND		5	1	06/02/08 12:40	DY	4481866
1,1-Dichloroethane	ND		5	1	06/02/08 12:40	DY	4481866
1,1-Dichloroethene	ND		5	1	06/02/08 12:40	DY	4481866
1,1-Dichloropropene	ND		5	1	06/02/08 12:40	DY	4481866
1,2,3-Trichlorobenzene	ND		5	1	06/02/08 12:40	DY	4481866
1,2,3-Trichloropropane	ND		5	1	06/02/08 12:40	DY	4481866
1,2,4-Trichlorobenzene	ND		5	1	06/02/08 12:40	DY	4481866
1,2,4-Trimethylbenzene	ND		5	1	06/02/08 12:40	DY	4481866
1,2-Dibromo-3-chloropropane	ND		5	1	06/02/08 12:40	DY	4481866
1,2-Dibromoethane	ND		5	1	06/02/08 12:40	DY	4481866
1,2-Dichlorobenzene	ND		5	1	06/02/08 12:40	DY	4481866
1,2-Dichloroethane	ND		5	1	06/02/08 12:40	DY	4481866
1,2-Dichloropropane	ND		5	1	06/02/08 12:40	DY	4481866
1,3,5-Trimethylbenzene	ND		5	1	06/02/08 12:40	DY	4481866
1,3-Dichlorobenzene	ND		5	1	06/02/08 12:40	DY	4481866
1,3-Dichloropropane	ND		5	1	06/02/08 12:40	DY	4481866
1,4-Dichlorobenzene	ND		5	1	06/02/08 12:40	DY	4481866
2,2-Dichloropropane	ND		2	1	06/02/08 12:40	DY	4481866
2-Butanone	ND		20	1	06/02/08 12:40	DY	4481866
2-Chloroethyl vinyl ether	ND		10	1	06/02/08 12:40	DY	4481866
2-Chlorotoluene	ND		5	1	06/02/08 12:40	DY	4481866
2-Hexanone	ND		10	1	06/02/08 12:40	DY	4481866
4-Chlorotoluene	ND		5	1	06/02/08 12:40	DY	4481866
4-Isopropyltoluene	ND		5	1	06/02/08 12:40	DY	4481866
4-Methyl-2-pentanone	ND		10	1	06/02/08 12:40	DY	4481866
Acetone	ND		100	1	06/02/08 12:40	DY	4481866
Acrylonitrile	ND		10	1	06/02/08 12:40	DY	4481866
Benzene	ND		5	1	06/02/08 12:40	DY	4481866
Bromobenzene	ND		5	1	06/02/08 12:40	DY	4481866
Bromochloromethane	ND		5	1	06/02/08 12:40	DY	4481866
Bromodichloromethane	ND		5	1	06/02/08 12:40	DY	4481866
Bromoform	ND		5	1	06/02/08 12:40	DY	4481866
Bromomethane	ND		10	1	06/02/08 12:40	DY	4481866
Carbon disulfide	ND		5	1	06/02/08 12:40	DY	4481866
Carbon tetrachloride	ND		5	1	06/02/08 12:40	DY	4481866
Chlorobenzene	ND		5	1	06/02/08 12:40	DY	4481866

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891 B02-GW **Collected:** 05/20/2008 10:00 **SPL Sample ID:** 08051560-04

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Chloroethane	ND		10	1	06/02/08 12:40	DY	4481866
Chloroform	ND		5	1	06/02/08 12:40	DY	4481866
Chloromethane	ND		10	1	06/02/08 12:40	DY	4481866
Dibromochloromethane	ND		5	1	06/02/08 12:40	DY	4481866
Dibromomethane	ND		5	1	06/02/08 12:40	DY	4481866
Dichlorodifluoromethane	ND		10	1	06/02/08 12:40	DY	4481866
Ethylbenzene	ND		5	1	06/02/08 12:40	DY	4481866
Hexachlorobutadiene	ND		5	1	06/02/08 12:40	DY	4481866
Isopropylbenzene	ND		5	1	06/02/08 12:40	DY	4481866
Methylene chloride	ND		5	1	06/02/08 12:40	DY	4481866
Naphthalene	ND		5	1	06/02/08 12:40	DY	4481866
n-Butylbenzene	ND		5	1	06/02/08 12:40	DY	4481866
n-Propylbenzene	ND		5	1	06/02/08 12:40	DY	4481866
sec-Butylbenzene	ND		5	1	06/02/08 12:40	DY	4481866
Styrene	ND		5	1	06/02/08 12:40	DY	4481866
tert-Butylbenzene	ND		5	1	06/02/08 12:40	DY	4481866
Tetrachloroethene	ND		5	1	06/02/08 12:40	DY	4481866
Toluene	ND		5	1	06/02/08 12:40	DY	4481866
Trichloroethene	ND		5	1	06/02/08 12:40	DY	4481866
Trichlorofluoromethane	ND		5	1	06/02/08 12:40	DY	4481866
Vinyl acetate	ND		10	1	06/02/08 12:40	DY	4481866
Vinyl chloride	ND		10	1	06/02/08 12:40	DY	4481866
cis-1,2-Dichloroethene	ND		5	1	06/02/08 12:40	DY	4481866
cis-1,3-Dichloropropene	ND		5	1	06/02/08 12:40	DY	4481866
m,p-Xylene	ND		5	1	06/02/08 12:40	DY	4481866
o-Xylene	ND		5	1	06/02/08 12:40	DY	4481866
trans-1,2-Dichloroethene	ND		5	1	06/02/08 12:40	DY	4481866
trans-1,3-Dichloropropene	ND		5	1	06/02/08 12:40	DY	4481866
1,2-Dichloroethene (total)	ND		5	1	06/02/08 12:40	DY	4481866
Xylenes,Total	ND		5	1	06/02/08 12:40	DY	4481866
Surr: 1,2-Dichloroethane-d4	88.8		% 71-140	1	06/02/08 12:40	DY	4481866
Surr: 4-Bromofluorobenzene	100		% 70-130	1	06/02/08 12:40	DY	4481866
Surr: Toluene-d8	96.7		% 61-121	1	06/02/08 12:40	DY	4481866

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Diesel Range Organics **WorkOrder:** 08051560
Method: NWTPH-Dx **Lab Batch ID:** 79407

Method Blank

RunID: TH_X_080524A-4465915 Units: mg/L
Analysis Date: 05/24/2008 7:29 Analyst: RLR
Preparation Date: 05/22/2008 14:13 Prep By: N_M Method SW3510C

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051560-04C	120891 B02-GW

Analyte	Result	Rep Limit
Diesel Range Organics (C12-C24)	ND	0.25
Oil Range Organics (C24-C32)	ND	0.50
Surr: n-Pentacosane	71.8	20-150

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TH_X_080524A-4465916 Units: mg/L
Analysis Date: 05/24/2008 7:49 Analyst: RLR
Preparation Date: 05/22/2008 14:13 Prep By: N_M Method SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics (C12-C24)	1.00	1.27	127	1.00	1.36	136	6.3	20	21	175
Oil Range Organics (C24-C32)	1.00	1.28	128	1.00	1.35	135	5.5	20	40	160
Surr: n-Pentacosane	0.0500	0.0350	70.0	0.0500	0.0367	73.4	4.7	30	20	150

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Diesel Range Organics **WorkOrder:** 08051560
Method: NWTPH-Dx **Lab Batch ID:** 79637

Method Blank

RunID: HP_Z_080530B-4473585 Units: mg/kg
Analysis Date: 05/30/2008 12:29 Analyst: NW
Preparation Date: 05/29/2008 10:37 Prep By: QMT Method SW3550B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051560-03A	120891 B02-20

Analyte	Result	Rep Limit
Diesel Range Organics (C12-C24)	ND	5.0
Oil Range Organics (C24-C32)	ND	10
Surr: n-Pentacosane	102.3	20-150

Laboratory Control Sample (LCS)

RunID: HP_Z_080530B-4473586 Units: mg/kg
Analysis Date: 05/30/2008 12:52 Analyst: NW
Preparation Date: 05/29/2008 10:37 Prep By: QMT Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics (C12-C24)	66.6	71.1	107	21	175
Surr: n-Pentacosane	1.66	1.74	105	20	150

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051560-03
RunID: HP_Z_080530B-4473588 Units: mg/kg-dry
Analysis Date: 05/30/2008 13:36 Analyst: NW
Preparation Date: 05/29/2008 10:37 Prep By: QMT Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C12-C24)	ND	71	73.2	97.2	71	77.6	103	5.76	20	21	175
Surr: n-Pentacosane	ND	53.3	1.78	3.33 *	1.77	1.75	99.1	1.17	30	20	150

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Gasoline Range Organics **WorkOrder:** 08051560
Method: NWTPH-Gx **Lab Batch ID:** R238658

Method Blank

RunID: HP_R_080522A-4456187 Units: mg/kg
Analysis Date: 05/22/2008 10:41 Analyst: NMa
Preparation Date: 05/22/2008 10:41 Prep By: Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051560-03A	120891 B02-20

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	97.5	63-142
Surr: 4-Bromofluorobenzene	99.6	50-159

Laboratory Control Sample (LCS)

RunID: HP_R_080522A-4456186 Units: mg/kg
Analysis Date: 05/22/2008 10:12 Analyst: NMa
Preparation Date: 05/22/2008 10:12 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	1.01	101	53	137
Surr: 1,4-Difluorobenzene	0.100	0.0943	94.3	63	142
Surr: 4-Bromofluorobenzene	0.100	0.105	105	50	159

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051536-05
RunID: HP_R_080522A-4456196 Units: mg/kg-dry
Analysis Date: 05/22/2008 17:00 Analyst: NMa
Preparation Date: 05/22/2008 12:07 Prep By: NMa Method SW5030B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	2.39	2.38	98.2	2.39	2.45	101	2.98	50	36	163
Surr: 1,4-Difluorobenzene	ND	0.119	0.114	95.7	0.119	0.133	111	15.2	30	63	142
Surr: 4-Bromofluorobenzene	ND	0.119	0.133	111	0.119	0.131	110	1.27	30	50	159

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Gasoline Range Organics **WorkOrder:** 08051560
Method: NWTPH-Gx **Lab Batch ID:** R239585

Method Blank

RunID: HP_U_080530A-4472830 Units: mg/L
Analysis Date: 05/30/2008 1:37 Analyst: DMN
Preparation Date: 05/30/2008 1:37 Prep By: Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051560-04A	120891 B02-GW

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	103.7	60-155
Surr: 4-Bromofluorobenzene	104.8	50-158

Laboratory Control Sample (LCS)

RunID: HP_U_080530A-4472829 Units: mg/L
Analysis Date: 05/30/2008 0:42 Analyst: DMN
Preparation Date: 05/30/2008 0:42 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.894	89.4	64	131
Surr: 1,4-Difluorobenzene	0.100	0.105	105	60	155
Surr: 4-Bromofluorobenzene	0.100	0.108	108	50	158

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051603-11
RunID: HP_U_080530A-4472831 Units: mg/L
Analysis Date: 05/30/2008 2:05 Analyst: DMN

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	0.972	1	1.46	48.6	1	1.58	60.3	7.71	36	36	140
Surr: 1,4-Difluorobenzene	ND	0.1	0.11	110	0.1	0.110	110	0.182	30	60	155
Surr: 4-Bromofluorobenzene	ND	0.1	0.109	109	0.1	0.111	111	1.73	30	50	158

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 08051560
Lab Batch ID: R239835

Method Blank

RunID: MSDVOA5_080601A-4477437 Units: ug/kg
Analysis Date: 06/01/2008 12:59 Analyst: D_R
Preparation Date: 06/01/2008 12:59 Prep By: Method SW5030B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051560-03A	120891 B02-20

Analyte	Result	Rep Limit
1,1,1,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
1,1-Dichloroethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,2-Dibromoethane	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dichloropropane	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
1,4-Dichlorobenzene	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Butanone	ND	20
2-Chloroethyl vinyl ether	ND	10
2-Chlorotoluene	ND	5.0
2-Hexanone	ND	10
4-Chlorotoluene	ND	5.0
4-Isopropyltoluene	ND	5.0
4-Methyl-2-pentanone	ND	10
Acetone	ND	100
Acrylonitrile	ND	50
Benzene	ND	5.0
Bromobenzene	ND	5.0
Bromochloromethane	ND	5.0
Bromodichloromethane	ND	5.0
Bromoform	ND	5.0
Bromomethane	ND	10
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroethane	ND	10
Chloroform	ND	5.0
Chloromethane	ND	10
Dibromochloromethane	ND	5.0
Dibromomethane	ND	5.0
Dichlorodifluoromethane	ND	10
Diisopropyl Ether	ND	10

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08051560
Method: SW8260B **Lab Batch ID:** R239835

Method Blank

RunID: MSDVOA5_080601A-4477437 Units: ug/kg
Analysis Date: 06/01/2008 12:59 Analyst: D_R
Preparation Date: 06/01/2008 12:59 Prep By: Method SW5030B

Analyte	Result	Rep Limit
Ethyl tert-butyl ether	ND	5.0
Ethylbenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Isopropylbenzene	ND	5.0
Methyl tert-butyl ether	ND	5.0
Methylene chloride	ND	5.0
Naphthalene	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
Styrene	ND	5.0
t-Butyl Alcohol	ND	100
tert-Amyl methyl ether	ND	5.0
tert-Butylbenzene	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Trichloroethene	ND	5.0
Trichlorofluoromethane	ND	5.0
Vinyl acetate	ND	5.0
Vinyl chloride	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,2-Dichloroethene (total)	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	94.6	41-155
Surr: 4-Bromofluorobenzene	102.0	64-147
Surr: Toluene-d8	103.0	52-152

Laboratory Control Sample (LCS)

RunID: MSDVOA5_080601A-44774 Units: ug/kg
Analysis Date: 06/01/2008 12:10 Analyst: D_R
Preparation Date: 06/01/2008 12:10 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	20.0	21.3	107	70	130
Benzene	20.0	22.4	112	70	130

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 08051560
Lab Batch ID: R239835

Laboratory Control Sample (LCS)

RunID: MSDVOA5_080601A-44774 Units: ug/kg
Analysis Date: 06/01/2008 12:10 Analyst: D_R
Preparation Date: 06/01/2008 12:10 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chlorobenzene	20.0	22.9	114	70	130
Toluene	20.0	23.3	116	65	140
Trichloroethene	20.0	23.4	117	70	130
Surr: 1,2-Dichloroethane-d4	50.0	47.4	94.9	41	155
Surr: 4-Bromofluorobenzene	50.0	51.5	103	64	147
Surr: Toluene-d8	50.0	51.9	104	52	152

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051450-11
RunID: MSDVOA5_080601A-44774 Units: ug/kg-dry
Analysis Date: 06/01/2008 17:08 Analyst: D_R
Preparation Date: 06/01/2008 12:23 Prep By: D_R Method SW5030B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	21.4	22.9	107	21.4	23.4	109	1.98	35	42	155
Benzene	ND	21.4	21.9	102	21.4	22.4	104	2.37	33	41	154
Chlorobenzene	ND	21.4	20.7	96.4	21.4	21.0	97.9	1.54	31	23	144
Toluene	ND	21.4	21.7	101	21.4	22.2	103	2.12	36	50	151
Trichloroethene	ND	21.4	21.3	99.3	21.4	21.9	102	2.84	41	55	149
Surr: 1,2-Dichloroethane-d4	ND	53.6	54	101	53.6	52.5	98.0	2.79	30	41	155
Surr: 4-Bromofluorobenzene	ND	53.6	55.3	103	53.6	54.8	102	1.05	30	64	147
Surr: Toluene-d8	ND	53.6	56.3	105	53.6	56.0	105	0.514	30	52	152

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 08051560
Lab Batch ID: R240135

Method Blank

RunID: MSDVOA1_080602B-4481863 Units: ug/L
Analysis Date: 06/02/2008 9:02 Analyst: DY
Preparation Date: 06/02/2008 9:02 Prep By: Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051560-04B	120891 B02-GW

Analyte	Result	Rep Limit
1,1,1,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
1,1-Dichloroethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,2-Dibromoethane	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dichloropropane	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
1,4-Dichlorobenzene	ND	5.0
2,2-Dichloropropane	ND	2.0
2-Butanone	ND	20
2-Chloroethyl vinyl ether	ND	10
2-Chlorotoluene	ND	5.0
2-Hexanone	ND	10
4-Chlorotoluene	ND	5.0
4-Isopropyltoluene	ND	5.0
4-Methyl-2-pentanone	ND	10
Acetone	ND	100
Acrylonitrile	ND	10
Benzene	ND	5.0
Bromobenzene	ND	5.0
Bromochloromethane	ND	5.0
Bromodichloromethane	ND	5.0
Bromoform	ND	5.0
Bromomethane	ND	10
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroethane	ND	10
Chloroform	ND	5.0
Chloromethane	ND	10
Dibromochloromethane	ND	5.0
Dibromomethane	ND	5.0
Dichlorodifluoromethane	ND	10
Ethylbenzene	ND	5.0

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08051560
Method: SW8260B **Lab Batch ID:** R240135

Method Blank

RunID: MSDVOA1_080602B-4481863 Units: ug/L
Analysis Date: 06/02/2008 9:02 Analyst: DY
Preparation Date: 06/02/2008 9:02 Prep By: Method

Analyte	Result	Rep Limit
Hexachlorobutadiene	ND	5.0
Isopropylbenzene	ND	5.0
Methylene chloride	ND	5.0
Naphthalene	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
Styrene	ND	5.0
tert-Butylbenzene	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Trichloroethene	ND	5.0
Trichlorofluoromethane	ND	5.0
Vinyl acetate	ND	10
Vinyl chloride	ND	10
cis-1,2-Dichloroethene	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,2-Dichloroethene (total)	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	88.7	71-140
Surr: 4-Bromofluorobenzene	101.8	70-130
Surr: Toluene-d8	96.4	61-121

Laboratory Control Sample (LCS)

RunID: MSDVOA1_080602B-44818 Units: ug/L
Analysis Date: 06/02/2008 8:17 Analyst: DY
Preparation Date: 06/02/2008 8:17 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	20.0	22.7	113	54	139
Benzene	20.0	23.2	116	70	130
Chlorobenzene	20.0	22.1	111	70	130
Toluene	20.0	21.7	109	73	130
Trichloroethene	20.0	21.9	109	64	137

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08051560
Method: SW8260B **Lab Batch ID:** R240135

Laboratory Control Sample (LCS)

RunID: MSDVOA1_080602B-44818 Units: ug/L
Analysis Date: 06/02/2008 8:17 Analyst: DY
Preparation Date: 06/02/2008 8:17 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Surr: 1,2-Dichloroethane-d4	50.0	43.8	87.6	62	130
Surr: 4-Bromofluorobenzene	50.0	49.2	98.5	70	130
Surr: Toluene-d8	50.0	49.6	99.2	74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051613-01
RunID: MSDVOA1_080602B-44818 Units: ug/L
Analysis Date: 06/02/2008 16:25 Analyst: DY

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	20	24.2	121	20	21.9	110	9.97	20	17	195
Benzene	ND	20	25.8	129	20	23.2	116	10.6	20	67	202
Chlorobenzene	ND	20	24.4	122	20	22.7	114	7.12	20	60	154
Toluene	ND	20	23.4	117	20	20.8	104	11.9	20	48	162
Trichloroethene	ND	20	22.4	112	20	20.1	100	10.9	20	33	172
Surr: 1,2-Dichloroethane-d4	ND	50	43.3	86.7	50	42.9	85.9	0.962	30	71	140
Surr: 4-Bromofluorobenzene	ND	50	49	97.9	50	49.9	99.8	1.88	30	70	130
Surr: Toluene-d8	ND	50	49.4	98.9	50	49.5	99.0	0.121	30	61	121

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Metals by Method 6010B, Dissolved
Method: SW6010B
WorkOrder: 08051560
Lab Batch ID: 79525

Method Blank

RunID: TJA_080603A-4482111 Units: mg/L
Analysis Date: 06/03/2008 13:58 Analyst: EG
Preparation Date: 05/26/2008 17:10 Prep By: DD Method SW3005A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051560-04D	120891 B02-GW

Analyte	Result	Rep Limit
Lead	ND	0.05

Laboratory Control Sample (LCS)

RunID: TJA_080603A-4482112 Units: mg/L
Analysis Date: 06/03/2008 14:02 Analyst: EG
Preparation Date: 05/26/2008 17:10 Prep By: DD Method SW3005A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Lead	1.000	0.9667	96.67	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051580-01
RunID: TJA_080603A-4482114 Units: mg/L
Analysis Date: 06/03/2008 14:11 Analyst: EG
Preparation Date: 05/26/2008 17:10 Prep By: DD Method SW3005A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	ND	1	0.9479	94.79	1	0.9237	92.37	2.585	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 08051560
Lab Batch ID: 79818

Method Blank

RunID: TJA_080605A-4486648
Units: mg/kg
Analysis Date: 06/05/2008 20:54
Analyst: EG
Preparation Date: 06/03/2008 12:45
Prep By: DD Method SW3050B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051560-03A	120891 B02-20

Analyte	Result	Rep Limit
Lead	ND	5

Laboratory Control Sample (LCS)

RunID: TJA_080605A-4486649
Units: mg/kg
Analysis Date: 06/05/2008 20:59
Analyst: EG
Preparation Date: 06/03/2008 12:45
Prep By: DD Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Lead	76.80	68.19	88.79	81	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051693-01
RunID: TJA_080605A-4486651
Units: mg/kg-dry
Analysis Date: 06/05/2008 21:08
Analyst: EG
Preparation Date: 06/03/2008 12:45
Prep By: DD Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	ND	102.7	93.34	90.92	102.7	94.98	92.52	1.747	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: PERCENT MOISTURE
Method: D2216

WorkOrder: 08051560
Lab Batch ID: R239218B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051560-03A	120891 B02-20

Sample Duplicate

Original Sample: 08051776-03
RunID: WET_080528T-4466454 Units: wt%
Analysis Date: 05/28/2008 17:32 Analyst: KRD

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	18.5	18.44	0.130	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	08051560	Received By:	BB
Date and Time Received:	5/21/2008 10:00:00 AM	Carrier name:	Fedex-Standard Overnight
Temperature:	5.0°C	Chilled by:	Water Ice

1.	Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2.	Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
3.	Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4.	Chain of custody present?	Yes ☑	No ☐	
5.	Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
6.	Chain of custody agrees with sample labels?	Yes ☑	No ☐	
7.	Samples in proper container/bottle?	Yes ☑	No ☐	
8.	Sample containers intact?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test?	Yes ☑	No ☐	
10.	All samples received within holding time?	Yes ☑	No ☐	
11.	Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
12.	Water - VOA vials have zero headspace?	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	Water - Preservation checked upon receipt (except VOA*)?	Yes ☐	No ☐	Not Applicable ☑

*VOA Preservation Checked After Sample Analysis

SPL Representative: Contact Date & Time:

Client Name Contacted:

Non Conformance Issues:

Client Instructions:

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☐ CALSCIENCE (. . . . .)
- ☑ SPL (Houston, TX . . .)
- ☐ XENCO (. . . . .)
- ☐ TEST AMERICA (. . . . .)
- ☐ OTHER (. . . . .)

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&LOM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: David Kramer

INCIDENT # (ENV SERVICES) ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 5/20/08

PAGE: 1 of

PO #

SAP # 1 2 0 8 9 1

REQUESTING COMPANY: URS Corporation

ADDRESS: 1501 4th AVE, Suite 1400, Seattle, WA 98101

REPORT CONTACT (Name of Your Assistant): Geoff Garrison

TELEPHONE: 206-438-2120 FAX: 866-495-5208 E-MAIL: geoff_garrison@urscorp.com

SITE ADDRESS: Street and City: 21641 Maple Valley Hwy, Maple Valley

State: WA

GLOBAL ID #:

REPORT TO: (Consultant's Office Location): Alison Rohde, URS, Seattle, WA

PHONE NO.: 206-438-2052

E-MAIL:

SAMPLER NAME(S) PRINTED: Jacob Lutts

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS)
- ☑ STANDARD (14 DAY)
- ☐ 5 DAYS
- ☐ 3 DAYS
- ☐ 2 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEND

☐ EDF - RWQCB REPORT FORMAT ☐ UST AGENCY

SPECIAL INSTRUCTIONS OR NOTES :
Please return brass sleeves
Please filter and preserve dissolved metals upon reciept
PAHs including naphthalene

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIED
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE ICE	HNO3	H2SO4	HCl	OTHER	NO. OF CONT.	VOCs Full List (8260B)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	EDB + EDC (8260B)	NWTPH-Gx	NWTPH-Dx	TCLP Cd, Cr, Pb (6010)	Total Lead (6010)	Dissolved Lead (6010)	PAHs (8270)	Container PID Readings or Laboratory Notes
	120891 B02-10	5/20	915	Soil							X		X	X	X			X			Hold
	120891 B02-15	5/20	920	Soil							X		X	X	X			X			Hold
	120891 B02-20	5/20	930	Soil							X		X	X	X			X			
	120891 B02-GW	5/20	1000	Water							X	X			X			X	X		

TEMPERATURE ON RECEIPT: 5.0°C

Container PID Readings or Laboratory Notes

Relinquished by (Signature)	Received by (Signature)	Date	Time
[signature] 14:00 on 5/20/08			
Relinquished by (Signature)	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature) B. Blanco	Date 5/21/08	Time 10:00

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Shell Products US - Environmental Services

Certificate of Analysis Number:

08060728

Report To:		Project Name:	SAP# 120891
URS Corporation		Site:	21641 Maple Valley Hwy
Alison Rohde		Site Address:	21641 Maple Valley Highway
1501 4th Avenue, Ste. 1400			Maple Valley WA
Seattle		PO Number:	4700002340
WA		State:	Washington
98101-		State Cert. No.:	C1350
ph: (206) 438-2052	fax:	Date Reported:	6/30/2008

This Report Contains A Total Of 23 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

7/1/2008

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Shell Products US - Environmental Services

Certificate of Analysis Number:

08060728

Report To:		Project Name:	SAP# 120891
URS Corporation		Site:	21641 Maple Valley Hwy
Alison Rohde		Site Address:	21641 Maple Valley Highway
1501 4th Avenue, Ste. 1400			Maple Valley WA
Seattle		PO Number:	4700002340
WA		State:	Washington
98101-		State Cert. No.:	C1350
ph: (206) 438-2052	fax:	Date Reported:	6/30/2008

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

7/1/2008

Erica Cardenas
Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Shell Products US - Environmental Services

Certificate of Analysis Number:

08060728

Report To: URS Corporation
Alison Rohde
1501 4th Avenue, Ste. 1400

Seattle
WA
98101-
ph: (206) 438-2052 fax:

Fax To:

Project Name: SAP# 120891
Site: 21641 Maple Valley Hwy
Site Address: 21641 Maple Valley Highway
Maple Valley WA
PO Number: 4700002340
State: Washington
State Cert. No.: C1350
Date Reported: 6/30/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
120891-MW13-060908	08060728-01	Water	6/9/2008 10:05:00 AM	6/12/2008 9:30:00 AM		☐
120891-MW1B-060908	08060728-02	Water	6/9/2008 11:25:00 AM	6/12/2008 9:30:00 AM		☐
120891-MW12-060908	08060728-03	Water	6/9/2008 2:30:00 PM	6/12/2008 9:30:00 AM		☐
120891-MW2B-060908	08060728-04	Water	6/9/2008 1:25:00 PM	6/12/2008 9:30:00 AM		☐

E Cardenas 7/1/2008

Erica Cardenas
Project Manager

Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891-MW13-060908 **Collected:** 06/09/2008 10:05 **SPL Sample ID:** 08060728-01

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**NWTPH-DX**		**Units: mg/L**	
Diesel Range Organics (C12-C24)	ND		0.25	1	06/20/08 2:55	RLR	4515308
Oil Range Organics (C24-C32)	ND		0.5	1	06/20/08 2:55	RLR	4515308
Surr: n-Pentacosane	118		% 20-150	1	06/20/08 2:55	RLR	4515308

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	06/16/2008 18:01	N_M	1.00

GASOLINE RANGE ORGANICS			**MCL**	**NWTPH-GX**		**Units: mg/L**	
Gasoline Range Organics	ND		0.05	1	06/18/08 18:45	CLJ	4512279
Surr: 1,4-Difluorobenzene	104		% 60-155	1	06/18/08 18:45	CLJ	4512279
Surr: 4-Bromofluorobenzene	106		% 50-158	1	06/18/08 18:45	CLJ	4512279

METALS BY METHOD 6010B, DISSOLVED			**MCL**	**SW6010B**		**Units: mg/L**	
Lead	ND		0.05	1	06/30/08 1:39	BDG	4535643

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	06/16/2008 11:30	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891-MW13-060908 **Collected:** 06/09/2008 10:05 **SPL Sample ID:** 08060728-01

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
1,1,1,2-Tetrachloroethane	ND		5	1	06/19/08 2:29	JWW	4515492
1,1,1-Trichloroethane	ND		5	1	06/19/08 2:29	JWW	4515492
1,1,2,2-Tetrachloroethane	ND		5	1	06/19/08 2:29	JWW	4515492
1,1,2-Trichloroethane	ND		5	1	06/19/08 2:29	JWW	4515492
1,1-Dichloroethane	ND		5	1	06/19/08 2:29	JWW	4515492
1,1-Dichloroethene	ND		5	1	06/19/08 2:29	JWW	4515492
1,1-Dichloropropene	ND		5	1	06/19/08 2:29	JWW	4515492
1,2,3-Trichlorobenzene	ND		5	1	06/19/08 2:29	JWW	4515492
1,2,3-Trichloropropane	ND		5	1	06/19/08 2:29	JWW	4515492
1,2,4-Trichlorobenzene	ND		5	1	06/19/08 2:29	JWW	4515492
1,2,4-Trimethylbenzene	ND		5	1	06/19/08 2:29	JWW	4515492
1,2-Dibromo-3-chloropropane	ND		5	1	06/19/08 2:29	JWW	4515492
1,2-Dibromoethane	ND		5	1	06/19/08 2:29	JWW	4515492
1,2-Dichlorobenzene	ND		5	1	06/19/08 2:29	JWW	4515492
1,2-Dichloroethane	ND		5	1	06/19/08 2:29	JWW	4515492
1,2-Dichloropropane	ND		5	1	06/19/08 2:29	JWW	4515492
1,3,5-Trimethylbenzene	ND		5	1	06/19/08 2:29	JWW	4515492
1,3-Dichlorobenzene	ND		5	1	06/19/08 2:29	JWW	4515492
1,3-Dichloropropane	ND		5	1	06/19/08 2:29	JWW	4515492
1,4-Dichlorobenzene	ND		5	1	06/19/08 2:29	JWW	4515492
2,2-Dichloropropane	ND		2	1	06/19/08 2:29	JWW	4515492
2-Butanone	ND		20	1	06/19/08 2:29	JWW	4515492
2-Chloroethyl vinyl ether	ND		10	1	06/19/08 2:29	JWW	4515492
2-Chlorotoluene	ND		5	1	06/19/08 2:29	JWW	4515492
2-Hexanone	ND		10	1	06/19/08 2:29	JWW	4515492
4-Chlorotoluene	ND		5	1	06/19/08 2:29	JWW	4515492
4-Isopropyltoluene	ND		5	1	06/19/08 2:29	JWW	4515492
4-Methyl-2-pentanone	ND		10	1	06/19/08 2:29	JWW	4515492
Acetone	ND		100	1	06/19/08 2:29	JWW	4515492
Acrylonitrile	ND		10	1	06/19/08 2:29	JWW	4515492
Benzene	ND		5	1	06/19/08 2:29	JWW	4515492
Bromobenzene	ND		5	1	06/19/08 2:29	JWW	4515492
Bromochloromethane	ND		5	1	06/19/08 2:29	JWW	4515492
Bromodichloromethane	ND		5	1	06/19/08 2:29	JWW	4515492
Bromoform	ND		5	1	06/19/08 2:29	JWW	4515492
Bromomethane	ND		10	1	06/19/08 2:29	JWW	4515492
Carbon disulfide	ND		5	1	06/19/08 2:29	JWW	4515492
Carbon tetrachloride	ND		5	1	06/19/08 2:29	JWW	4515492
Chlorobenzene	ND		5	1	06/19/08 2:29	JWW	4515492

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891-MW13-060908 **Collected:** 06/09/2008 10:05 **SPL Sample ID:** 08060728-01

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Chloroethane	ND		10	1	06/19/08 2:29	JWW	4515492
Chloroform	ND		5	1	06/19/08 2:29	JWW	4515492
Chloromethane	ND		10	1	06/19/08 2:29	JWW	4515492
Dibromochloromethane	ND		5	1	06/19/08 2:29	JWW	4515492
Dibromomethane	ND		5	1	06/19/08 2:29	JWW	4515492
Dichlorodifluoromethane	ND		10	1	06/19/08 2:29	JWW	4515492
Diisopropyl Ether	ND		10	1	06/19/08 2:29	JWW	4515492
Ethyl tert-butyl ether	ND		10	1	06/19/08 2:29	JWW	4515492
Ethylbenzene	ND		5	1	06/19/08 2:29	JWW	4515492
Hexachlorobutadiene	ND		5	1	06/19/08 2:29	JWW	4515492
Isopropylbenzene	ND		5	1	06/19/08 2:29	JWW	4515492
Methyl tert-butyl ether	ND		5	1	06/19/08 2:29	JWW	4515492
Methylene chloride	ND		5	1	06/19/08 2:29	JWW	4515492
Naphthalene	ND		5	1	06/19/08 2:29	JWW	4515492
n-Butylbenzene	ND		5	1	06/19/08 2:29	JWW	4515492
n-Propylbenzene	ND		5	1	06/19/08 2:29	JWW	4515492
sec-Butylbenzene	ND		5	1	06/19/08 2:29	JWW	4515492
Styrene	ND		5	1	06/19/08 2:29	JWW	4515492
t-Butyl Alcohol	ND		100	1	06/19/08 2:29	JWW	4515492
tert-Amyl methyl ether	ND		10	1	06/19/08 2:29	JWW	4515492
tert-Butylbenzene	ND		5	1	06/19/08 2:29	JWW	4515492
Tetrachloroethene	ND		5	1	06/19/08 2:29	JWW	4515492
Toluene	ND		5	1	06/19/08 2:29	JWW	4515492
Trichloroethene	ND		5	1	06/19/08 2:29	JWW	4515492
Trichlorofluoromethane	ND		5	1	06/19/08 2:29	JWW	4515492
Vinyl acetate	ND		10	1	06/19/08 2:29	JWW	4515492
Vinyl chloride	ND		10	1	06/19/08 2:29	JWW	4515492
cis-1,2-Dichloroethene	ND		5	1	06/19/08 2:29	JWW	4515492
cis-1,3-Dichloropropene	ND		5	1	06/19/08 2:29	JWW	4515492
m,p-Xylene	ND		5	1	06/19/08 2:29	JWW	4515492
o-Xylene	ND		5	1	06/19/08 2:29	JWW	4515492
trans-1,2-Dichloroethene	ND		5	1	06/19/08 2:29	JWW	4515492
trans-1,3-Dichloropropene	ND		5	1	06/19/08 2:29	JWW	4515492
1,2-Dichloroethene (total)	ND		5	1	06/19/08 2:29	JWW	4515492
Xylenes,Total	ND		5	1	06/19/08 2:29	JWW	4515492
Surr: 1,2-Dichloroethane-d4	92.7		% 71-140	1	06/19/08 2:29	JWW	4515492
Surr: 4-Bromofluorobenzene	103		% 70-130	1	06/19/08 2:29	JWW	4515492
Surr: Toluene-d8	99.3		% 61-121	1	06/19/08 2:29	JWW	4515492

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891-MW1B-060908 **Collected:** 06/09/2008 11:25 **SPL Sample ID:** 08060728-02

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**NWTPH-DX**	**Units: mg/L**		
Diesel Range Organics (C12-C24)	ND		0.25	1	06/20/08 3:07	RLR	4515309
Oil Range Organics (C24-C32)	ND		0.5	1	06/20/08 3:07	RLR	4515309
Surr: n-Pentacosane	111		% 20-150	1	06/20/08 3:07	RLR	4515309

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	06/16/2008 18:01	N_M	1.00

GASOLINE RANGE ORGANICS			**MCL**	**NWTPH-GX**	**Units: mg/L**		
Gasoline Range Organics	ND		0.05	1	06/18/08 19:13	CLJ	4512280
Surr: 1,4-Difluorobenzene	104		% 60-155	1	06/18/08 19:13	CLJ	4512280
Surr: 4-Bromofluorobenzene	106		% 50-158	1	06/18/08 19:13	CLJ	4512280
METALS BY METHOD 6010B, DISSOLVED			**MCL**	**SW6010B**	**Units: mg/L**		
Lead	ND		0.05	1	06/30/08 1:44	BDG	4535644

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	06/16/2008 11:30	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891-MW1B-060908 **Collected:** 06/09/2008 11:25 **SPL Sample ID:** 08060728-02

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**	
1,1,1,2-Tetrachloroethane	ND		5	1	06/19/08 2:58	JWW	4515493
1,1,1-Trichloroethane	ND		5	1	06/19/08 2:58	JWW	4515493
1,1,2,2-Tetrachloroethane	ND		5	1	06/19/08 2:58	JWW	4515493
1,1,2-Trichloroethane	ND		5	1	06/19/08 2:58	JWW	4515493
1,1-Dichloroethane	ND		5	1	06/19/08 2:58	JWW	4515493
1,1-Dichloroethene	ND		5	1	06/19/08 2:58	JWW	4515493
1,1-Dichloropropene	ND		5	1	06/19/08 2:58	JWW	4515493
1,2,3-Trichlorobenzene	ND		5	1	06/19/08 2:58	JWW	4515493
1,2,3-Trichloropropane	ND		5	1	06/19/08 2:58	JWW	4515493
1,2,4-Trichlorobenzene	ND		5	1	06/19/08 2:58	JWW	4515493
1,2,4-Trimethylbenzene	ND		5	1	06/19/08 2:58	JWW	4515493
1,2-Dibromo-3-chloropropane	ND		5	1	06/19/08 2:58	JWW	4515493
1,2-Dibromoethane	ND		5	1	06/19/08 2:58	JWW	4515493
1,2-Dichlorobenzene	ND		5	1	06/19/08 2:58	JWW	4515493
1,2-Dichloroethane	ND		5	1	06/19/08 2:58	JWW	4515493
1,2-Dichloropropane	ND		5	1	06/19/08 2:58	JWW	4515493
1,3,5-Trimethylbenzene	ND		5	1	06/19/08 2:58	JWW	4515493
1,3-Dichlorobenzene	ND		5	1	06/19/08 2:58	JWW	4515493
1,3-Dichloropropane	ND		5	1	06/19/08 2:58	JWW	4515493
1,4-Dichlorobenzene	ND		5	1	06/19/08 2:58	JWW	4515493
2,2-Dichloropropane	ND		2	1	06/19/08 2:58	JWW	4515493
2-Butanone	ND		20	1	06/19/08 2:58	JWW	4515493
2-Chloroethyl vinyl ether	ND		10	1	06/19/08 2:58	JWW	4515493
2-Chlorotoluene	ND		5	1	06/19/08 2:58	JWW	4515493
2-Hexanone	ND		10	1	06/19/08 2:58	JWW	4515493
4-Chlorotoluene	ND		5	1	06/19/08 2:58	JWW	4515493
4-Isopropyltoluene	ND		5	1	06/19/08 2:58	JWW	4515493
4-Methyl-2-pentanone	ND		10	1	06/19/08 2:58	JWW	4515493
Acetone	ND		100	1	06/19/08 2:58	JWW	4515493
Acrylonitrile	ND		10	1	06/19/08 2:58	JWW	4515493
Benzene	ND		5	1	06/19/08 2:58	JWW	4515493
Bromobenzene	ND		5	1	06/19/08 2:58	JWW	4515493
Bromochloromethane	ND		5	1	06/19/08 2:58	JWW	4515493
Bromodichloromethane	ND		5	1	06/19/08 2:58	JWW	4515493
Bromoform	ND		5	1	06/19/08 2:58	JWW	4515493
Bromomethane	ND		10	1	06/19/08 2:58	JWW	4515493
Carbon disulfide	ND		5	1	06/19/08 2:58	JWW	4515493
Carbon tetrachloride	ND		5	1	06/19/08 2:58	JWW	4515493
Chlorobenzene	ND		5	1	06/19/08 2:58	JWW	4515493

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891-MW1B-060908 **Collected:** 06/09/2008 11:25 **SPL Sample ID:** 08060728-02

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Chloroethane	ND		10	1	06/19/08 2:58	JWW	4515493
Chloroform	ND		5	1	06/19/08 2:58	JWW	4515493
Chloromethane	ND		10	1	06/19/08 2:58	JWW	4515493
Dibromochloromethane	ND		5	1	06/19/08 2:58	JWW	4515493
Dibromomethane	ND		5	1	06/19/08 2:58	JWW	4515493
Dichlorodifluoromethane	ND		10	1	06/19/08 2:58	JWW	4515493
Diisopropyl Ether	ND		10	1	06/19/08 2:58	JWW	4515493
Ethyl tert-butyl ether	ND		10	1	06/19/08 2:58	JWW	4515493
Ethylbenzene	ND		5	1	06/19/08 2:58	JWW	4515493
Hexachlorobutadiene	ND		5	1	06/19/08 2:58	JWW	4515493
Isopropylbenzene	ND		5	1	06/19/08 2:58	JWW	4515493
Methyl tert-butyl ether	ND		5	1	06/19/08 2:58	JWW	4515493
Methylene chloride	ND		5	1	06/19/08 2:58	JWW	4515493
Naphthalene	ND		5	1	06/19/08 2:58	JWW	4515493
n-Butylbenzene	ND		5	1	06/19/08 2:58	JWW	4515493
n-Propylbenzene	ND		5	1	06/19/08 2:58	JWW	4515493
sec-Butylbenzene	ND		5	1	06/19/08 2:58	JWW	4515493
Styrene	ND		5	1	06/19/08 2:58	JWW	4515493
t-Butyl Alcohol	ND		100	1	06/19/08 2:58	JWW	4515493
tert-Amyl methyl ether	ND		10	1	06/19/08 2:58	JWW	4515493
tert-Butylbenzene	ND		5	1	06/19/08 2:58	JWW	4515493
Tetrachloroethene	ND		5	1	06/19/08 2:58	JWW	4515493
Toluene	ND		5	1	06/19/08 2:58	JWW	4515493
Trichloroethene	ND		5	1	06/19/08 2:58	JWW	4515493
Trichlorofluoromethane	ND		5	1	06/19/08 2:58	JWW	4515493
Vinyl acetate	ND		10	1	06/19/08 2:58	JWW	4515493
Vinyl chloride	ND		10	1	06/19/08 2:58	JWW	4515493
cis-1,2-Dichloroethene	ND		5	1	06/19/08 2:58	JWW	4515493
cis-1,3-Dichloropropene	ND		5	1	06/19/08 2:58	JWW	4515493
m,p-Xylene	ND		5	1	06/19/08 2:58	JWW	4515493
o-Xylene	ND		5	1	06/19/08 2:58	JWW	4515493
trans-1,2-Dichloroethene	ND		5	1	06/19/08 2:58	JWW	4515493
trans-1,3-Dichloropropene	ND		5	1	06/19/08 2:58	JWW	4515493
1,2-Dichloroethene (total)	ND		5	1	06/19/08 2:58	JWW	4515493
Xylenes,Total	ND		5	1	06/19/08 2:58	JWW	4515493
Surr: 1,2-Dichloroethane-d4	89.0		% 71-140	1	06/19/08 2:58	JWW	4515493
Surr: 4-Bromofluorobenzene	97.9		% 70-130	1	06/19/08 2:58	JWW	4515493
Surr: Toluene-d8	99.8		% 61-121	1	06/19/08 2:58	JWW	4515493

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891-MW12-060908 **Collected:** 06/09/2008 14:30 **SPL Sample ID:** 08060728-03

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**NWTPH-DX**	**Units: mg/L**		
Diesel Range Organics (C12-C24)	ND		0.25	1	06/20/08 3:19	RLR	4515310
Oil Range Organics (C24-C32)	ND		0.5	1	06/20/08 3:19	RLR	4515310
Surr: n-Pentacosane	130		% 20-150	1	06/20/08 3:19	RLR	4515310

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	06/16/2008 18:01	N_M	1.00

GASOLINE RANGE ORGANICS			**MCL**	**NWTPH-GX**	**Units: mg/L**		
Gasoline Range Organics	ND		0.05	1	06/18/08 19:41	CLJ	4512281
Surr: 1,4-Difluorobenzene	104		% 60-155	1	06/18/08 19:41	CLJ	4512281
Surr: 4-Bromofluorobenzene	106		% 50-158	1	06/18/08 19:41	CLJ	4512281

METALS BY METHOD 6010B, DISSOLVED			**MCL**	**SW6010B**	**Units: mg/L**		
Lead	ND		0.05	1	06/30/08 1:49	BDG	4535645

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	06/16/2008 11:30	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891-MW12-060908 **Collected:** 06/09/2008 14:30 **SPL Sample ID:** 08060728-03

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**	
1,1,1,2-Tetrachloroethane	ND		5	1	06/19/08 3:27	JWW	4515494
1,1,1-Trichloroethane	ND		5	1	06/19/08 3:27	JWW	4515494
1,1,2,2-Tetrachloroethane	ND		5	1	06/19/08 3:27	JWW	4515494
1,1,2-Trichloroethane	ND		5	1	06/19/08 3:27	JWW	4515494
1,1-Dichloroethane	ND		5	1	06/19/08 3:27	JWW	4515494
1,1-Dichloroethene	ND		5	1	06/19/08 3:27	JWW	4515494
1,1-Dichloropropene	ND		5	1	06/19/08 3:27	JWW	4515494
1,2,3-Trichlorobenzene	ND		5	1	06/19/08 3:27	JWW	4515494
1,2,3-Trichloropropane	ND		5	1	06/19/08 3:27	JWW	4515494
1,2,4-Trichlorobenzene	ND		5	1	06/19/08 3:27	JWW	4515494
1,2,4-Trimethylbenzene	ND		5	1	06/19/08 3:27	JWW	4515494
1,2-Dibromo-3-chloropropane	ND		5	1	06/19/08 3:27	JWW	4515494
1,2-Dibromoethane	ND		5	1	06/19/08 3:27	JWW	4515494
1,2-Dichlorobenzene	ND		5	1	06/19/08 3:27	JWW	4515494
1,2-Dichloroethane	ND		5	1	06/19/08 3:27	JWW	4515494
1,2-Dichloropropane	ND		5	1	06/19/08 3:27	JWW	4515494
1,3,5-Trimethylbenzene	ND		5	1	06/19/08 3:27	JWW	4515494
1,3-Dichlorobenzene	ND		5	1	06/19/08 3:27	JWW	4515494
1,3-Dichloropropane	ND		5	1	06/19/08 3:27	JWW	4515494
1,4-Dichlorobenzene	ND		5	1	06/19/08 3:27	JWW	4515494
2,2-Dichloropropane	ND		2	1	06/19/08 3:27	JWW	4515494
2-Butanone	ND		20	1	06/19/08 3:27	JWW	4515494
2-Chloroethyl vinyl ether	ND		10	1	06/19/08 3:27	JWW	4515494
2-Chlorotoluene	ND		5	1	06/19/08 3:27	JWW	4515494
2-Hexanone	ND		10	1	06/19/08 3:27	JWW	4515494
4-Chlorotoluene	ND		5	1	06/19/08 3:27	JWW	4515494
4-Isopropyltoluene	ND		5	1	06/19/08 3:27	JWW	4515494
4-Methyl-2-pentanone	ND		10	1	06/19/08 3:27	JWW	4515494
Acetone	ND		100	1	06/19/08 3:27	JWW	4515494
Acrylonitrile	ND		10	1	06/19/08 3:27	JWW	4515494
Benzene	ND		5	1	06/19/08 3:27	JWW	4515494
Bromobenzene	ND		5	1	06/19/08 3:27	JWW	4515494
Bromochloromethane	ND		5	1	06/19/08 3:27	JWW	4515494
Bromodichloromethane	ND		5	1	06/19/08 3:27	JWW	4515494
Bromoform	ND		5	1	06/19/08 3:27	JWW	4515494
Bromomethane	ND		10	1	06/19/08 3:27	JWW	4515494
Carbon disulfide	ND		5	1	06/19/08 3:27	JWW	4515494
Carbon tetrachloride	ND		5	1	06/19/08 3:27	JWW	4515494
Chlorobenzene	ND		5	1	06/19/08 3:27	JWW	4515494

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891-MW12-060908 **Collected:** 06/09/2008 14:30 **SPL Sample ID:** 08060728-03

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Chloroethane	ND		10	1	06/19/08 3:27	JWW	4515494
Chloroform	ND		5	1	06/19/08 3:27	JWW	4515494
Chloromethane	ND		10	1	06/19/08 3:27	JWW	4515494
Dibromochloromethane	ND		5	1	06/19/08 3:27	JWW	4515494
Dibromomethane	ND		5	1	06/19/08 3:27	JWW	4515494
Dichlorodifluoromethane	ND		10	1	06/19/08 3:27	JWW	4515494
Diisopropyl Ether	ND		10	1	06/19/08 3:27	JWW	4515494
Ethyl tert-butyl ether	ND		10	1	06/19/08 3:27	JWW	4515494
Ethylbenzene	ND		5	1	06/19/08 3:27	JWW	4515494
Hexachlorobutadiene	ND		5	1	06/19/08 3:27	JWW	4515494
Isopropylbenzene	ND		5	1	06/19/08 3:27	JWW	4515494
Methyl tert-butyl ether	ND		5	1	06/19/08 3:27	JWW	4515494
Methylene chloride	ND		5	1	06/19/08 3:27	JWW	4515494
Naphthalene	ND		5	1	06/19/08 3:27	JWW	4515494
n-Butylbenzene	ND		5	1	06/19/08 3:27	JWW	4515494
n-Propylbenzene	ND		5	1	06/19/08 3:27	JWW	4515494
sec-Butylbenzene	ND		5	1	06/19/08 3:27	JWW	4515494
Styrene	ND		5	1	06/19/08 3:27	JWW	4515494
t-Butyl Alcohol	ND		100	1	06/19/08 3:27	JWW	4515494
tert-Amyl methyl ether	ND		10	1	06/19/08 3:27	JWW	4515494
tert-Butylbenzene	ND		5	1	06/19/08 3:27	JWW	4515494
Tetrachloroethene	ND		5	1	06/19/08 3:27	JWW	4515494
Toluene	ND		5	1	06/19/08 3:27	JWW	4515494
Trichloroethene	ND		5	1	06/19/08 3:27	JWW	4515494
Trichlorofluoromethane	ND		5	1	06/19/08 3:27	JWW	4515494
Vinyl acetate	ND		10	1	06/19/08 3:27	JWW	4515494
Vinyl chloride	ND		10	1	06/19/08 3:27	JWW	4515494
cis-1,2-Dichloroethene	ND		5	1	06/19/08 3:27	JWW	4515494
cis-1,3-Dichloropropene	ND		5	1	06/19/08 3:27	JWW	4515494
m,p-Xylene	ND		5	1	06/19/08 3:27	JWW	4515494
o-Xylene	ND		5	1	06/19/08 3:27	JWW	4515494
trans-1,2-Dichloroethene	ND		5	1	06/19/08 3:27	JWW	4515494
trans-1,3-Dichloropropene	ND		5	1	06/19/08 3:27	JWW	4515494
1,2-Dichloroethene (total)	ND		5	1	06/19/08 3:27	JWW	4515494
Xylenes,Total	ND		5	1	06/19/08 3:27	JWW	4515494
Surr: 1,2-Dichloroethane-d4	92.2		% 71-140	1	06/19/08 3:27	JWW	4515494
Surr: 4-Bromofluorobenzene	100		% 70-130	1	06/19/08 3:27	JWW	4515494
Surr: Toluene-d8	98.5		% 61-121	1	06/19/08 3:27	JWW	4515494

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891-MW2B-060908 **Collected:** 06/09/2008 13:25 **SPL Sample ID:** 08060728-04

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**NWTPH-DX**	**Units: mg/L**		
Diesel Range Organics (C12-C24)	ND		0.25	1	06/20/08 3:30	RLR	4515312
Oil Range Organics (C24-C32)	ND		0.5	1	06/20/08 3:30	RLR	4515312
Surr: n-Pentacosane	116		% 20-150	1	06/20/08 3:30	RLR	4515312

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	06/16/2008 18:01	N_M	1.00

GASOLINE RANGE ORGANICS			MCL	NWTPH-GX	Units: mg/L		
Gasoline Range Organics	ND		0.05	1	06/18/08 20:08	CLJ	4512282
Surr: 1,4-Difluorobenzene	104		% 60-155	1	06/18/08 20:08	CLJ	4512282
Surr: 4-Bromofluorobenzene	107		% 50-158	1	06/18/08 20:08	CLJ	4512282

METALS BY METHOD 6010B, DISSOLVED			MCL	SW6010B	Units: mg/L		
Lead	ND		0.05	1	06/30/08 1:53	BDG	4535646

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	06/16/2008 11:30	DDW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891-MW2B-060908 **Collected:** 06/09/2008 13:25 **SPL Sample ID:** 08060728-04

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**	
1,1,1,2-Tetrachloroethane	ND		5	1	06/19/08 3:55	JWW	4515495
1,1,1-Trichloroethane	ND		5	1	06/19/08 3:55	JWW	4515495
1,1,2,2-Tetrachloroethane	ND		5	1	06/19/08 3:55	JWW	4515495
1,1,2-Trichloroethane	ND		5	1	06/19/08 3:55	JWW	4515495
1,1-Dichloroethane	ND		5	1	06/19/08 3:55	JWW	4515495
1,1-Dichloroethene	ND		5	1	06/19/08 3:55	JWW	4515495
1,1-Dichloropropene	ND		5	1	06/19/08 3:55	JWW	4515495
1,2,3-Trichlorobenzene	ND		5	1	06/19/08 3:55	JWW	4515495
1,2,3-Trichloropropane	ND		5	1	06/19/08 3:55	JWW	4515495
1,2,4-Trichlorobenzene	ND		5	1	06/19/08 3:55	JWW	4515495
1,2,4-Trimethylbenzene	ND		5	1	06/19/08 3:55	JWW	4515495
1,2-Dibromo-3-chloropropane	ND		5	1	06/19/08 3:55	JWW	4515495
1,2-Dibromoethane	ND		5	1	06/19/08 3:55	JWW	4515495
1,2-Dichlorobenzene	ND		5	1	06/19/08 3:55	JWW	4515495
1,2-Dichloroethane	ND		5	1	06/19/08 3:55	JWW	4515495
1,2-Dichloropropane	ND		5	1	06/19/08 3:55	JWW	4515495
1,3,5-Trimethylbenzene	ND		5	1	06/19/08 3:55	JWW	4515495
1,3-Dichlorobenzene	ND		5	1	06/19/08 3:55	JWW	4515495
1,3-Dichloropropane	ND		5	1	06/19/08 3:55	JWW	4515495
1,4-Dichlorobenzene	ND		5	1	06/19/08 3:55	JWW	4515495
2,2-Dichloropropane	ND		2	1	06/19/08 3:55	JWW	4515495
2-Butanone	ND		20	1	06/19/08 3:55	JWW	4515495
2-Chloroethyl vinyl ether	ND		10	1	06/19/08 3:55	JWW	4515495
2-Chlorotoluene	ND		5	1	06/19/08 3:55	JWW	4515495
2-Hexanone	ND		10	1	06/19/08 3:55	JWW	4515495
4-Chlorotoluene	ND		5	1	06/19/08 3:55	JWW	4515495
4-Isopropyltoluene	ND		5	1	06/19/08 3:55	JWW	4515495
4-Methyl-2-pentanone	ND		10	1	06/19/08 3:55	JWW	4515495
Acetone	ND		100	1	06/19/08 3:55	JWW	4515495
Acrylonitrile	ND		10	1	06/19/08 3:55	JWW	4515495
Benzene	ND		5	1	06/19/08 3:55	JWW	4515495
Bromobenzene	ND		5	1	06/19/08 3:55	JWW	4515495
Bromochloromethane	ND		5	1	06/19/08 3:55	JWW	4515495
Bromodichloromethane	ND		5	1	06/19/08 3:55	JWW	4515495
Bromoform	ND		5	1	06/19/08 3:55	JWW	4515495
Bromomethane	ND		10	1	06/19/08 3:55	JWW	4515495
Carbon disulfide	ND		5	1	06/19/08 3:55	JWW	4515495
Carbon tetrachloride	ND		5	1	06/19/08 3:55	JWW	4515495
Chlorobenzene	ND		5	1	06/19/08 3:55	JWW	4515495

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 120891-MW2B-060908 **Collected:** 06/09/2008 13:25 **SPL Sample ID:** 08060728-04

Site: 21641 Maple Valley Hwy

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Chloroethane	ND		10	1	06/19/08 3:55	JWW	4515495
Chloroform	ND		5	1	06/19/08 3:55	JWW	4515495
Chloromethane	ND		10	1	06/19/08 3:55	JWW	4515495
Dibromochloromethane	ND		5	1	06/19/08 3:55	JWW	4515495
Dibromomethane	ND		5	1	06/19/08 3:55	JWW	4515495
Dichlorodifluoromethane	ND		10	1	06/19/08 3:55	JWW	4515495
Diisopropyl Ether	ND		10	1	06/19/08 3:55	JWW	4515495
Ethyl tert-butyl ether	ND		10	1	06/19/08 3:55	JWW	4515495
Ethylbenzene	ND		5	1	06/19/08 3:55	JWW	4515495
Hexachlorobutadiene	ND		5	1	06/19/08 3:55	JWW	4515495
Isopropylbenzene	ND		5	1	06/19/08 3:55	JWW	4515495
Methyl tert-butyl ether	ND		5	1	06/19/08 3:55	JWW	4515495
Methylene chloride	ND		5	1	06/19/08 3:55	JWW	4515495
Naphthalene	ND		5	1	06/19/08 3:55	JWW	4515495
n-Butylbenzene	ND		5	1	06/19/08 3:55	JWW	4515495
n-Propylbenzene	ND		5	1	06/19/08 3:55	JWW	4515495
sec-Butylbenzene	ND		5	1	06/19/08 3:55	JWW	4515495
Styrene	ND		5	1	06/19/08 3:55	JWW	4515495
t-Butyl Alcohol	ND		100	1	06/19/08 3:55	JWW	4515495
tert-Amyl methyl ether	ND		10	1	06/19/08 3:55	JWW	4515495
tert-Butylbenzene	ND		5	1	06/19/08 3:55	JWW	4515495
Tetrachloroethene	ND		5	1	06/19/08 3:55	JWW	4515495
Toluene	ND		5	1	06/19/08 3:55	JWW	4515495
Trichloroethene	ND		5	1	06/19/08 3:55	JWW	4515495
Trichlorofluoromethane	ND		5	1	06/19/08 3:55	JWW	4515495
Vinyl acetate	ND		10	1	06/19/08 3:55	JWW	4515495
Vinyl chloride	ND		10	1	06/19/08 3:55	JWW	4515495
cis-1,2-Dichloroethene	ND		5	1	06/19/08 3:55	JWW	4515495
cis-1,3-Dichloropropene	ND		5	1	06/19/08 3:55	JWW	4515495
m,p-Xylene	ND		5	1	06/19/08 3:55	JWW	4515495
o-Xylene	ND		5	1	06/19/08 3:55	JWW	4515495
trans-1,2-Dichloroethene	ND		5	1	06/19/08 3:55	JWW	4515495
trans-1,3-Dichloropropene	ND		5	1	06/19/08 3:55	JWW	4515495
1,2-Dichloroethene (total)	ND		5	1	06/19/08 3:55	JWW	4515495
Xylenes,Total	ND		5	1	06/19/08 3:55	JWW	4515495
Surr: 1,2-Dichloroethane-d4	92.1		% 71-140	1	06/19/08 3:55	JWW	4515495
Surr: 4-Bromofluorobenzene	102		% 70-130	1	06/19/08 3:55	JWW	4515495
Surr: Toluene-d8	98.9		% 61-121	1	06/19/08 3:55	JWW	4515495

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Diesel Range Organics **WorkOrder:** 08060728
Method: NWTPH-Dx **Lab Batch ID:** 80406

Method Blank

RunID: TH_X_080620B-4515295 Units: mg/L
Analysis Date: 06/20/2008 0:58 Analyst: RLR
Preparation Date: 06/16/2008 18:01 Prep By: N_M Method SW3510C

Analyte	Result	Rep Limit
Diesel Range Organics (C12-C24)	ND	0.25
Oil Range Organics (C24-C32)	ND	0.50
Surr: n-Pentacosane	81.8	20-150

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08060728-01C	120891-MW13-060908
08060728-02C	120891-MW1B-060908
08060728-03C	120891-MW12-060908
08060728-04C	120891-MW2B-060908

Laboratory Control Sample (LCS)

RunID: TH_X_080620B-4515296 Units: mg/L
Analysis Date: 06/20/2008 1:09 Analyst: RLR
Preparation Date: 06/16/2008 18:01 Prep By: N_M Method SW3510C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics (C12-C24)	2.00	1.83	91.7	21	175
Oil Range Organics (C24-C32)	2.00	1.70	85.0	40	160
Surr: n-Pentacosane	0.100	0.0946	94.6	20	150

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08060684-01
RunID: TH_X_080620B-4515298 Units: mg/L
Analysis Date: 06/20/2008 1:33 Analyst: RLR
Preparation Date: 06/16/2008 18:01 Prep By: Method SW3510C

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C12-C24)	0.594	1	2.01	142	1	2.05	146	1.99	20	21	175
Oil Range Organics (C24-C32)	ND	1	1.45	134	1	1.43	132	1.32	20	40	160
Surr: n-Pentacosane	ND	0.1	0.079	79.0	0.1	0.0656	65.6	18.5	30	20	150

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Gasoline Range Organics **WorkOrder:** 08060728
Method: NWTPH-Gx **Lab Batch ID:** R241940

Method Blank

RunID: HP_U_080618A-4512273 Units: mg/L
Analysis Date: 06/18/2008 12:37 Analyst: CLJ
Preparation Date: 06/18/2008 12:37 Prep By: Method

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	97.6	60-155
Surr: 4-Bromofluorobenzene	109.4	50-158

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08060728-01B	120891-MW13-060908
08060728-02B	120891-MW1B-060908
08060728-03B	120891-MW12-060908
08060728-04B	120891-MW2B-060908

Laboratory Control Sample (LCS)

RunID: HP_U_080618A-4512272 Units: mg/L
Analysis Date: 06/18/2008 11:41 Analyst: CLJ
Preparation Date: 06/18/2008 11:41 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.982	98.2	64	131
Surr: 1,4-Difluorobenzene	0.100	0.0998	99.8	60	155
Surr: 4-Bromofluorobenzene	0.100	0.114	114	50	158

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08060729-01
RunID: HP_U_080618A-4512277 Units: mg/L
Analysis Date: 06/18/2008 17:49 Analyst: CLJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1	0.792	75.9	1	0.792	75.9	0.0126	36	36	140
Surr: 1,4-Difluorobenzene	ND	0.1	0.104	104	0.1	0.104	104	0.287	30	60	155
Surr: 4-Bromofluorobenzene	ND	0.1	0.108	108	0.1	0.108	108	0.648	30	50	158

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 08060728
Lab Batch ID: R242155

Method Blank

RunID: MSDVOA3_080618E-4515490 Units: ug/L
Analysis Date: 06/18/2008 18:46 Analyst: JWW
Preparation Date: 06/18/2008 18:46 Prep By: Method

Analyte	Result	Rep Limit
1,1,1,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
1,1-Dichloroethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,2-Dibromoethane	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dichloropropane	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
1,4-Dichlorobenzene	ND	5.0
2,2-Dichloropropane	ND	2.0
2-Butanone	ND	20
2-Chloroethyl vinyl ether	ND	10
2-Chlorotoluene	ND	5.0
2-Hexanone	ND	10
4-Chlorotoluene	ND	5.0
4-Isopropyltoluene	ND	5.0
4-Methyl-2-pentanone	ND	10
Acetone	ND	100
Acrylonitrile	ND	10
Benzene	ND	5.0
Bromobenzene	ND	5.0
Bromochloromethane	ND	5.0
Bromodichloromethane	ND	5.0
Bromoform	ND	5.0
Bromomethane	ND	10
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroethane	ND	10
Chloroform	ND	5.0
Chloromethane	ND	10
Dibromochloromethane	ND	5.0
Dibromomethane	ND	5.0
Dichlorodifluoromethane	ND	10
Diisopropyl Ether	ND	10

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08060728-01A	120891-MW13-060908
08060728-02A	120891-MW1B-060908
08060728-03A	120891-MW12-060908
08060728-04A	120891-MW2B-060908

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08060728
Method: SW8260B **Lab Batch ID:** R242155

Method Blank

RunID: MSDVOA3_080618E-4515490 Units: ug/L
Analysis Date: 06/18/2008 18:46 Analyst: JWW
Preparation Date: 06/18/2008 18:46 Prep By: Method

Analyte	Result	Rep Limit
Ethyl tert-butyl ether	ND	10
Ethylbenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Isopropylbenzene	ND	5.0
Methyl tert-butyl ether	ND	5.0
Methylene chloride	ND	5.0
Naphthalene	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
Styrene	ND	5.0
t-Butyl Alcohol	ND	100
tert-Amyl methyl ether	ND	10
tert-Butylbenzene	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Trichloroethene	ND	5.0
Trichlorofluoromethane	ND	5.0
Vinyl acetate	ND	10
Vinyl chloride	ND	10
cis-1,2-Dichloroethene	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,2-Dichloroethene (total)	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	93.2	71-140
Surr: 4-Bromofluorobenzene	101.7	70-130
Surr: Toluene-d8	100.0	61-121

Laboratory Control Sample (LCS)

RunID: MSDVOA3_080618E-45154 Units: ug/L
Analysis Date: 06/18/2008 17:48 Analyst: JWW
Preparation Date: 06/18/2008 17:48 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	20.0	18.4	92.2	54	139
Benzene	20.0	19.1	95.7	70	130

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 08060728
Method: SW8260B **Lab Batch ID:** R242155

Laboratory Control Sample (LCS)

RunID: MSDVOA3_080618E-45154 Units: ug/L
Analysis Date: 06/18/2008 17:48 Analyst: JWW
Preparation Date: 06/18/2008 17:48 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chlorobenzene	20.0	20.0	100	70	130
Toluene	20.0	20.0	100	73	130
Trichloroethene	20.0	20.5	103	64	137
Surr: 1,2-Dichloroethane-d4	50.0	45.2	90.4	62	130
Surr: 4-Bromofluorobenzene	50.0	48.5	97.0	70	130
Surr: Toluene-d8	50.0	50.6	101	74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08060578-04
RunID: MSDVOA3_080618E-45154 Units: ug/L
Analysis Date: 06/19/2008 4:53 Analyst: JWW

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	20	15.4	77.0	20	15.4	77.0	0.0201	20	17	195
Benzene	ND	20	16.5	80.1	20	16.2	78.5	1.88	20	67	202
Chlorobenzene	ND	20	16.7	83.3	20	16.6	83.0	0.312	20	60	154
Toluene	ND	20	16.8	83.8	20	17.0	84.9	1.27	20	48	162
Trichloroethene	ND	20	17.1	85.3	20	17.3	86.7	1.64	20	33	172
Surr: 1,2-Dichloroethane-d4	ND	50	44.6	89.2	50	45.5	90.9	1.94	30	71	140
Surr: 4-Bromofluorobenzene	ND	50	50.8	102	50	50.5	101	0.652	30	70	130
Surr: Toluene-d8	ND	50	50.1	100	50	50.1	100	0.0138	30	61	121

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Shell Products US - Environmental Services

SAP# 120891

Analysis: Metals by Method 6010B, Dissolved
Method: SW6010B
WorkOrder: 08060728
Lab Batch ID: 80683

Method Blank

RunID: TJA_080629B-4535628 Units: mg/L
Analysis Date: 06/30/2008 0:31 Analyst: BDG
Preparation Date: 06/16/2008 11:30 Prep By: DD Method SW3005A

Analyte	Result	Rep Limit
Lead	ND	0.05

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08060728-01D	120891-MW13-060908
08060728-02D	120891-MW1B-060908
08060728-03D	120891-MW12-060908
08060728-04D	120891-MW2B-060908

Laboratory Control Sample (LCS)

RunID: TJA_080629B-4535629 Units: mg/L
Analysis Date: 06/30/2008 0:36 Analyst: BDG
Preparation Date: 06/16/2008 11:30 Prep By: DD Method SW3005A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Lead	1.000	1.030	103.0	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08060712-01
RunID: TJA_080629B-4535631 Units: mg/L
Analysis Date: 06/30/2008 0:45 Analyst: BDG
Preparation Date: 06/16/2008 11:30 Prep By: DD Method SW3005A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	ND	1	0.9712	97.12	1	0.9378	93.78	3.499	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	08060728	Received By:	BB
Date and Time Received:	6/12/2008 9:30:00 AM	Carrier name:	Fedex-Standard Overnight
Temperature:	3.0°C	Chilled by:	Water Ice

1.	Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2.	Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
3.	Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4.	Chain of custody present?	Yes ☑	No ☐	
5.	Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
6.	Chain of custody agrees with sample labels?	Yes ☑	No ☐	
7.	Samples in proper container/bottle?	Yes ☑	No ☐	
8.	Sample containers intact?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test?	Yes ☑	No ☐	
10.	All samples received within holding time?	Yes ☑	No ☐	
11.	Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
12.	Water - VOA vials have zero headspace?	Yes ☐	No ☐	VOA Vials Not Present ☑
13.	Water - Preservation checked upon receipt (except VOA*)?	Yes ☐	No ☐	Not Applicable ☑

*VOA Preservation Checked After Sample Analysis

SPL Representative: _____ Contact Date & Time: _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

U8U6U708

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☐ CALSCIENCE (_____)
- ☑ SHL (Kent)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SPECIA
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: David Kremer

INCIDENT # (ENV SERVICES): ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 6/9/08

PAGE: 1 of 1

PO #:

SAP #: 1 2 0 8 8 9 1

CONSULTANT COMPANY: URS Corporation

ADDRESS: 1501 4th AVE, Suite 1400, Seattle, WA 98101

PROJECT CONTACT (Name for Report): Geoff Garrison

TELEPHONE: 206-438-2128 FAX: 866-495-6288 EMAIL: geoff_garrison@urscorp.com

SITE ADDRESS: Street and City: 21641 Maple Valley Hwy, Maple Valley State: WA

SHELL ENGINEER OR PROJECT MANAGER (Name, Company, Office Location): Alison Rohde, URS, Seattle, WA PHONE #: 206-438-2052

SHELL ENGINEER OR PROJECT MANAGER SIGNATURE: D Lewis

CONSULTANT PROJECT NO.:

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
- ☑ STANDARD (14 DAY)
- ☐ 10 DAYS
- ☐ 5 DAYS
- ☐ 3 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:
Please return glass sleeves
Please filter and preserve dissolved metals upon receipt
PAHs including naphthalene

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE RECEIVE MENT RATE APPLIES
- ☐ FAX NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT °C: 3.0°C

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NaOH	OTHER	NO. OF CONT.	VOCs Full List (8260B)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	EDB + EDC (8260B)	NWTPH-Gx	NWTPH-Dx	TCLP Cd, Cr, Pb (6010)	Total Lead (6010)	Dissolved Lead (6010)	PAHs (8270)	Container PID Readings or Laboratory Notes
	120891-MW13-060908	6/6/08	1005	W	X						X	X			X	X			X		
	120891-MW18-060908	"	1125	W	X						X	X			X	X			X		
	120891-MW12-060908	"	1430	W	X						X	X			X	X			X		
	120891-MW2B-060908	"	1325	W	X						X	X			X	X			X		

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
David Lewis 6/11/08 0800			
	B Blanco	6/12/08	9:30

Please filter diss. Lead in the Lab

SHELL-00 Rev Nov

ATTACHMENT C
DATA VALIDATION MEMORANDUM

URS

Memo

1501 4th Avenue, Suite 1400
Seattle, Washington 98101
206.438.2700 Telephone
206.438.2699 Fax

To:	Mike Edwards, Program Lead Brian Pletcher, Report Lead	**Info:**	**FINAL**
From:	Tressa K Pearson-Franks, Chemist	**Date:**	July 9, 2008
SUBJECT:	**Summary Data Quality Review** **Shell ESA Due Diligence** **SAP # 120891 - Monitoring Well Sampling** **21941 Maple Valley Highway, Maple Valley, WA** **SPL SDG 08060728**		

The summary data quality review of 4 groundwater monitoring well samples collected on June 9, 2008 has been completed. The samples were analyzed at the Southern Petroleum Laboratory (SPL) located in Houston, Texas for volatile organic compounds by EPA Method 8260B including BTEX (benzene, ethylbenzene, toluene, and total xylenes), oxygenates, and fuel additives, total petroleum hydrocarbons (TPH, gasoline-range, diesel-range, and oil-range) by Washington State Department of Ecology (Ecology) methods NWTPH-Gx and NWTPH-Dx, respectively, dissolved lead by EPA Method 6010B, as indicated in Table 1. The analyses were performed in general accordance with methods specified in EPA's *Test Methods for Evaluating Solid Waste (SW-846), Update IIIB*, June 2005 and Ecology's *Analytical Methods for Petroleum Hydrocarbons*, June 1997.

The data were reviewed for adherence to method guidance and SPL control limits regarding hold times, method blanks, surrogate recoveries, matrix spike / matrix spike duplicate recoveries, laboratory duplicate results, blank spike recoveries (laboratory control samples) and reporting limits were reviewed to assess compliance with applicable methods. Calculation checks were not performed as part of this quality assurance review. If data qualification was required, data were qualified based on the definitions and use of qualifying flags outlined in the EPA documents *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review*, October 1999 and *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Inorganics Data Review*, October 2004. The laboratory provided a summary report containing sample results and associated QA/QC data. A summary of qualifiers assigned to results in this SDG is included in Table 2. Qualifiers that may be assigned to results include:

- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. For inorganic analyses, the analyte may be qualified J+ or J- to indicate bias high or low, respectively.
- UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

- R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

- DNR - Do Not Report. Another result is available that is more reliable or appropriate.

The table below lists the QA/QC parameters that were evaluated. An "ok" indicates an area of review in which all data were acceptable. The number indicates where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability. The numbers correspond to the notes listed below the table.

DATA REVIEW MATRIX

QC Parameter	VOCs[1]	TPH	Metals
Chain-of-custody (COC)	(1)	ok	ok
Sample Receipt	ok	ok	ok
Holding Times	ok	ok	ok
Method Blank	ok	ok	ok
Surrogate Recovery	ok	ok	NA
LCS/LCSD*	ok	ok	ok
MS/MSD	(2)	(2)	(2)
Reporting Limit	ok	ok	ok

NA= Not Applicable *Where applicable
LCS/LCSD = Laboratory Control Sample / Laboratory Control Sample Duplicate
MS/MSD = Matrix Spike / Matrix Spike Duplicate
[1]VOCs include BTEX, oxygenates, and fuel additives.

Notes:

1. The sample receipt checklist indicated that the VOA vials were not received. However, the samples were received by SPL, analyzed, and reported according to SPL SOPs.

2. An MS/MSD for diesel-range TPH was performed on a water sample from an unrelated project. An MS/MSD for gasoline-range TPH was performed on a water sample from an unrelated project. An MS/MSD for VOCs was performed on a water sample from an unrelated project. An MS/MSD for dissolved lead was performed on a water sample from an unrelated project. Results were acceptable except as noted below.

   2-Chloroethylvinylether (2-CVE) was within the control limits in the MS/MSD pair. 2-CVE has been documented to be unstable in the presence of acids; even dilute acids will produce hydrolysis of 2-CVE to acetaldehyde and 2-chloroethanol and is likely due to decomposition of 2-CVE by the hydrochloric acid sample preservative. As all of the groundwater samples were acidified for preservation, results for 2-CVE in all samples are rejected and flagged 'R.'

Overall Assessment

The data reported in this SDG, as qualified, are considered to be usable for meeting project objectives. The completeness for SDG 08060728 is greater than 98%.

Table 1. Sample Identification and associated parameters*

Sample ID	SPL ID	Matrix	Parameters
120891-MW13-060908	08060728-01	Groundwater	VOCs, TPH, Dissolved Lead
120891-MW1B-060908	08060728-02	Groundwater	VOCs, TPH, Dissolved Lead
120891-MW12-060908	08060728-03	Groundwater	VOCs, TPH, Dissolved Lead
120891-MW2B-060908	08060728-04	Groundwater	VOCs, TPH, Dissolved Lead

Table 2 – Qualified Data

Sample ID	SPL ID	Analyte	Result	Units	Assigned Qualifier
120891-MW13-060908	08060728-01	2-Chloroethylvinylether	10 U	ug/L	R
120891-MW1B-060908	08060728-02	2-Chloroethylvinylether	10 U	ug/L	R
120891-MW12-060908	08060728-03	2-Chloroethylvinylether	10 U	ug/L	R
120891-MW2B-060908	08060728-04	2-Chloroethylvinylether	10 U	ug/L	R