REMEDIAL INVESTIGATION REPORT

SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

SAP CODE	121038
INCIDENT NO.	90877719
AGENCY NO.	71459562
VCP NO.	NW2054

Prepared For:
Shell Oil Products US
20945 S. Wilmington Ave
Carson, CA 90810

Prepared by:
Conestoga-Rovers & Associates

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MARCH 21, 2011
REF. NO. 241799 (6)
This report is printed on recycled paper.

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Christina McClelland

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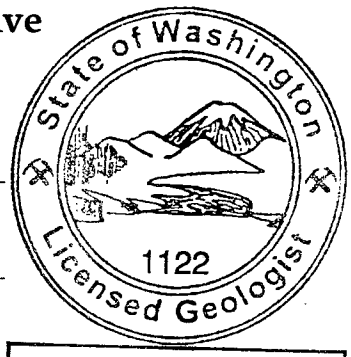

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1.0 INTRODUCTION

1.1 SITE INFORMATION

Site Name:	Shell-Branded Wholesale Facility
Site Address:	2805 Southwest Roxbury Street, Seattle, WA
Voluntary Cleanup Program Number:	NW2054
Project Consultant:	Conestoga-Rovers & Associates
Project Consultant Contact Information:	Brian Peters, LG 20818 44th Avenue West, Suite 190 Lynnwood, Washington 98026 Office – 425.563.6506 Direct – 425.563.6599
Current Owner/Operator:	Henry W, Inc.

1.2 PURPOSE

Conestoga-Rovers & Associates (CRA) prepared this Remedial Investigation (RI) report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (SOPUS) for the Shell-branded wholesale facility located at the southwest corner of Southwest Roxbury Street and 28th Avenue Southwest with the address 2805 Southwest Roxbury Street, Seattle, King County, Washington (Property; Figure 1).

This RI was prepared to satisfy the items required by Washington Administrative Code (WAC) 173-340 and summarizes environmental investigation findings for the petroleum hydrocarbon release associated with the Property. The previous investigation and remediation activities described in this report are a summary of historical investigations and documents prepared by CRA and previous consultants. A list of historical documents associated with this release is included as Appendix A.

2.0 SITE IDENTIFICATION AND DESCRIPTION

2.1 SITE DISCOVERY AND REGULATORY STATUS

In April 1988, four fuel underground storage tanks (USTs), one heating oil UST, one waste oil UST, and one concrete septic cistern were excavated and removed as part of the station remodeling associated with the transfer of ownership from Gull Industries, Inc. (Gull) to Texaco Refining and Marketing, Inc. (TRMI). Petroleum hydrocarbon impacts above Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A cleanup levels were detected in soil adjacent to the USTs, and the septic cistern. A release was not reported to Ecology at this time.

In 1993, compliance sampling was completed at the Site in association with Stage II Vapor Recovery retrofitting activities. Laboratory analysis of the soil samples indicated concentrations of petroleum hydrocarbons exceeding the MTCA Method A cleanup levels beneath the northwest and northeast product dispenser islands.

A petroleum release impacting soil was reported to Ecology in July 1993 and the site was listed with Ecology's leaking UST (LUST) program, identification number 4796. The Site was entered into Ecology's Voluntary Cleanup Program (VCP) in 2009 and issued site number NW2054. The current status of the Site with Ecology is "Cleanup Started".

MTCA Method A cleanup levels for soil and groundwater will be used as screening levels for purposes of discussion of investigation results.

2.2 SITE AND PROPERTY LOCATION/DEFINITION

The Property is an active Shell-branded service station located at the southwest corner of Southwest Roxbury Street and 28th Avenue Southwest in Seattle, King County, Washington (Figure 1). The Property is comprised of two parcels. The address 9619 28th Street Southwest was formerly associated with the north parcel (number 0123039482), and is no longer used. The current address is 2805 Southwest Roxbury, and is associated with the south parcel (number 0123039481). The service station currently operates on both parcels. A legal description of the Property, including past and present owners and operators, is included in Appendix B.

In this RI report, the MTCA site (Site) is defined as all affected areas from the petroleum release associated with the Property and any potentially impacted adjacent parcels. The MTCA Site boundary is present on Figure 2.

2.3 NEIGHBORHOOD SETTING

The Property and adjacent properties are located within a commercially-zoned area. The nearest residential area is located approximately 250 feet to the south and southwest. The Property is bounded on the north by Southwest Roxbury Street with Roxhill Elementary School beyond and a chiropractic clinic to the northeast. The Property is bounded on the east by 28th Avenue Southwest, with a Safeway Grocery store and gas station beyond. The Property is bounded on the south by the parking lot for Roxbury Lanes and Casino located southwest of the Property. The Property is bounded on the west by Roxbury Auto Repair (Figure 3).

2.4 PHYSIOGRAPHIC SETTING/TOPOGRAPHY

The Property is located at approximately 287 feet above mean sea level (msl) at the bottom of a relatively flat broad swale (Figure 1). Seola Creek is located approximately ½ mile to the south of the Property and flows south, ultimately discharging to Puget Sound. Puget Sound is located within 1.5 miles west of the Property. Surface cover at the Property is primarily asphalt and concrete pavement.

3.0 PROPERTY DEVELOPMENT AND HISTORY

3.1 PAST PROPERTY USES AND FACILITIES

The Property is currently identified by the King County Assessor as two separate parcels, a northern and southern parcel. King County permits indicate the southern parcel of the Property was developed from 1957 to 1965 with a building containing offices and a garage bay which was occupied by the Washington State Patrol. From 1965 to present, the Property has operated as a retail gasoline service station, with an automotive repair facility reportedly operating from 1965 to 1988. In 1988, the Property was transferred from Gull to TRMI and was remodeled without an automotive repair facility. Former facilities include a station building, four fuel USTs, three dispenser islands, a 200-gallon waste oil UST, a 550-gallon heating oil UST, an 845-gallon concrete cistern, and an unknown number of in-ground hydraulic hoists. The former UST system configuration is presented in Figure 2. A car wash was constructed at the Property in 1988 during remodeling activities. In 1998, Equilon acquired the Property from TRMI and in 2009 the Property was sold to Henry W, Inc.

Don's Office Machine Repair is listed in association with the northern parcel of the Property in city directories from 1980 to 1985, indicating the office machine repair business may have operated simultaneously with the service station.

USTs that were historically present at the Property, the contents, and the dates of installation and decommission are presented below.

UST Volume (gallons)	*Content*	*Date Installed*	*Date Decommissioned*
6,000	Fuel	1965	1988
8,000	Fuel	1965	1988
10,000	Fuel	1965	1988
12,000	Fuel	1965	1988
200	Waste Oil	Not Documented	1988
550	Heating Oil	Not Documented	1988
845 (cistern)	Solvent-like compound	Not Documented	1983

3.2 CURRENT PROPERTY USE AND FACILITIES

The Property currently includes an operating Shell-branded wholesale facility. Facilities include a station building, car wash building, four dispenser islands, one 12,000-gallon gasoline UST, two 10,000-gallon gasoline USTs, and one 10,000-gallon diesel UST (Figure 2). The USTs are located within a common excavation in the southern portion of the Property.

3.3 PROPOSED OR POTENTIAL FUTURE PROPERTY USES

Planned use for the Property is uncertain; however, due to its location and zoning, it will likely continue as a commercial-use property.

3.4 ZONING

The Property and surrounding parcels south of Southwest Roxbury Street, are considered urban unincorporated King County, and zoned as community business according to the King County Official Zoning Map (2009). The surrounding parcels north of Southwest Roxbury Street, are considered City of Seattle, and are zoned as Single Family according to the City of Seattle Official Zoning Map (2009).

3.5 TRANSPORTATION/ROADS

Southwest Roxbury Street is a main east-west arterial that extends from the Property 1.5 miles east to State Route 509 and ½ mile west to Fauntleroy Park. 28th Avenue Southwest is a main north-south arterial that extends from the Property approximately 500 feet north to a residential area and approximately 1 mile south to Marine View Drive Southwest. A public bus stop is located east of the intersection of Southwest Roxbury Street and 28th Avenue Southwest.

3.6 UTILITIES AND WATER SUPPLY

Utilities are present in the subsurface throughout the Property. Subsurface electrical lines run from the station building to 28th Avenue Southwest, and along Southwest Roxbury Street. Catch basins are located throughout the Property and connect into the municipal storm water system. Several catch basins located in the vicinity of the dispenser islands are connected to a storm water vault for filtration and debris

separation prior to discharge to municipal storm water system. Drinking water is supplied by the City of Seattle and is sourced primarily from surface water diversions from the Cedar and Tolt River watersheds (City of Seattle Consumer Confidence Report, 2008).

3.7 POTENTIAL SOURCES OF SITE CONTAMINATION

Potential sources of contamination on the Property include the current and former dispenser islands, located in the northern portion of the Property, the former gasoline USTs, former waste oil UST, and former concrete cistern located in the north portion of the property, the former heating oil UST located in the southwestern portion of the Site, and the current USTs located in the southern portion of the Property. All former facilities were identified as likely sources of the original release of hydrocarbons at the Site (Figure 2).

3.8 POTENTIAL SOURCES OF CONTAMINATION FROM NEIGHBORING PROPERTIES

Two LUST sites are located within ¼ mile of the Property. Both sites are located cross-gradient of the Site within 400 feet. Based on the proximity of these properties to the Site, they are considered potential sources of contamination to the Property. A Safeway-branded service station is located at 2615 Southwest Roxbury Street, approximately 100 feet east of the Site. The Safeway-branded service station is not identified on Ecology's LUST list. Based on the proximity of this property to the Site, it is considered a potential source of contamination to the Property.

4.0 ENVIRONMENTAL INVESTIGATION AND INTERIM ACTION SUMMARY

Eight soil borings have been completed, fourteen monitoring wells, and six soil vapor probes have been installed, and fifteen soil samples have been collected at the Site to date. A total of eleven investigations and/or interim remedial actions have occurred at the Site and are summarized in the following reports:

- 1989 *Hydrocarbon Contamination Assessment,* Applied Geotechnology Inc. (AGI)
- 1993 *Compliance Sampling Results*, EMCON Northwest Inc. (EMCON)
- 1994 *Subsurface Site Investigation Report*, GeoEngineers, Inc. (GeoEngineers)
- 1995 *Supplemental Environmental Services*, GeoEngineers
- 1997 *Report of SVE Pilot Test Results*, GeoEngineers

- 1997 *Vacuum-Enhanced Recovery System - Pilot Test*, GeoEngineers
- 1998 *Supplemental Environmental Drilling, Ground Water Sampling, and High Vacuum Ground Water Extraction Services - March and April 1998*, GeoEngineers
- 1998 *Environmental Ground Water Monitoring and High Vacuum Ground Water Extraction Services - June 1998*, GeoEngineers
- 1998 *Environmental Ground Water Monitoring and High Vacuum Ground Water Extraction Services - September/October 1998*, GeoEngineers
- 1999 *Environmental Ground Water Monitoring and High Vacuum Ground Water Extraction Services - December 1998*, GeoEngineers
- 2009 Subsurface Investigation, CRA (data included herein)

A complete chronological summary of work completed during the investigations listed above at the Site is included as Appendix C. Reports summarized in Appendix C represent all available investigation reports obtained by or provided to CRA. A summary of historical soil analytical data is presented in Table 1 and a summary of groundwater monitoring results are summarized in Table 2. All available historical boring logs for the previous investigations are included in Appendix D. Soil boring logs from CRA's 2009 investigation are included in Appendix E. Laboratory analytical reports for soil samples collected in association with CRA's 2009 investigation and subsequent groundwater monitoring results are included as Appendix F.

4.1 POTENTIAL CONSTITUENTS OF CONCERN

Potential constituents of concern (COCs) based on current and past use of the Property, include the compounds listed in MTCA 173-340-900 Table 830-1 Required Testing for Petroleum Releases. The following is the list of potential constituents of concern for the Site:

Potential Source	*Potential COCs*
Historical and current gasoline USTs and distribution system	• Total petroleum hydrocarbons (TPH) as gasoline (TPHg) • TPH as diesel (TPHd) and TPH as oil (TPHo) • Benzene, toluene, ethylbenzene, xylenes (BTEX) • Methyl tert butyl ether (MTBE) • Total lead • 1,2-dichloroethane (EDC) • 1,2-dibromoethane (EDB)
Historical waste oil and heating oil USTs, and cistern with solvent substance	• TPHg • TPHd and TPHo • BTEX • EDB • EDC • MTBE • Halogenated volatile organic compounds (HVOCs) • Polycyclic aromatic hydrocarbons (PAHs) • Polychlorinated biphenyls (PCBs) • Total lead

Based on the results of environmental activities conducted at the Site, the COCs for the Site in soil and groundwater requiring further evaluation are TPHg, TPHd, TPHo, BTEX, MTBE, HVOCs, and total lead sourced from the on-Property facilities. These analytes were detected above MTCA Method A screening levels in soil or groundwater. PCBs have not been analyzed in groundwater; however, select soil samples were analyzed for PCBs and none were detected above MTCA Method A screening levels. Soil and groundwater have been analyzed for cPAHs and none were detected. EDB and EDC have not been detected at concentrations above the MTCA screening levels in soil or groundwater. Therefore, PCBs, cPAHs, EDB, and EDC are not considered COCs for the Site.

4.2 SOIL

Multiple soil investigations have been conducted at the Site from 1988 through 2009. Figure 4 presents the locations of all soil samples collected during the investigation activities conducted at the Site. A summary of all soil sample locations submitted for analyses, including the date of the sample, depth, consultant performing sampling, and analytical methods and results are presented in Table 1. The majority of the soil sampling has been conducted in the vicinity of the former USTs, dispenser islands, and product conveyance system. The depths of soil samples collected ranged from 2.5 to 25 feet bgs.

4.3 SURFACE WATER

No surface water has been sampled as there has been no indication that the surface water has been impacted from the Property or Site.

4.4 GROUNDWATER

A total of fourteen groundwater monitoring wells have been installed at the Site. Monitoring wells AGW-1 through AGW-8 were installed in 1994, monitoring wells AGW-9 through AGW-11 were installed in 1995, monitoring well AGW-12 was installed in 1998, and monitoring wells AGW-13 and AGW-14 were installed in 2009. Additionally, in 2009, one temporary well, SB-2 was installed at the western extent of excavation and a groundwater sample was collected and analyzed for petroleum hydrocarbon constituents and subsequently abandoned. In 1995, a grab sample was collected from boring SB-1 located north of the Property in Southwest Roxbury Street (Figure 4). The locations of all monitoring wells installed at the Site are presented in Figure 2. Sampling has been conducted on Site monitoring wells since 1994. Table 2 presents the dates sampled, groundwater elevations, and the analytical results for each sampling event.

4.5 SEDIMENT

No sediment has been sampled as there has been no indication that surface water has been impacted from the Property or Site.

4.6 AIR/SOIL VAPOR

A total of six soil vapor probes were installed in 1996 on the Property. Vapor concentrations were periodically measured at the six soil vapor points and monitoring wells AGW-1, AGW-3, AGW-7 and AGWW-10. The locations of the soil vapor sampling points are presented on Figure 2.

4.7 NATURAL RESOURCES/WILDLIFE

A Terrestrial Ecological Evaluation (TEE) Exclusion Form is included in this report (see Section 5.4).

4.8 CULTURAL HISTORY/ARCHAEOLOGY

No prior information or results of historical investigations have indicated a need for additional investigation of Site history or archaeology.

4.9 INTERIM ACTIONS

During UST decommissioning activities in 1988, approximately 2,240 cubic yards of petroleum-impacted soil was removed from the Site. In July 1995, a passive separate phase hydrocarbon (SPH) recovery system was installed. In 1997, soil vapor extraction (SVE) and vacuum-enhanced recovery (VER) pilot tests were conducted at the Site. Based on the results of the SVE test, SVE was determined to not be an effective remedial alternative at the Site due to low permeability in subsurface soil. In 1998, five high vacuum groundwater extraction events were conducted at monitoring wells AGW-1, AGW-3, AGW-7, and AGW-12 removing approximately 2,800 gallons of water. No additional interim actions have occurred at the Site.

5.0 NATURAL CONDITIONS

5.1 GEOLOGY

The regional geological setting and property geological conditions are summarized below:

Regional Geological Setting: The Site is located in the Puget Lowland Physiographic province of Washington and is characterized by a broad low lying region situated between the Cascade Range to the east and the Olympic Range to the west. Generally, unconsolidated sediments including gravels, cobbles, and silts deposited during the Quaternary era overlay sedimentary and volcanic bedrock (Lasmanis, 1991). The general area of the Site is comprised of deposits of pre-Fraser glaciation age sediments, including interbedded sand, gravel, silts, and poorly sorted sediments of indeterminate age and origin divided up into coarse-grained deposits, up to 15 meters thick and fine-grained deposits, up to 7 meters thick (Booth & Troost 2004).

Site Geological Conditions: The Site is underlain by weathered glacial till comprised of silty sand, sandy silt with varying amounts of gravel to about 12 feet bgs. The weathered sediments are underlain by glacial till consisting of dense, compacted mixture of clay, silt, sand, and gravels to a total explored depth of approximately 36 feet bgs. Cross sections describing subsurface soil conditions are included as Figures 5 and 6.

5.2 SURFACE WATER

Surface waters near the Site include Seola Creek, located approximately ½ mile to the south of the Property and Puget Sound, at its closest point, located within 1.5 miles to the west of the Property.

5.3 GROUNDWATER

Regional and local groundwater conditions are summarized below:

Regional Groundwater Conditions: Seattle, Washington is located in the Puget-Willamette Trough lowland regional aquifer between the Cascade and Olympic Mountain ranges in Washington. Groundwater exists as the uppermost aquifer in unconsolidated glacial deposits and till material. Unconsolidated glacial deposits consist of particles that range in size from clay to boulders. There are no drinking water wells identified within 1 mile of the Site.

Site Groundwater Conditions: Shallow groundwater beneath the Site varies seasonally, from approximately 8 to 14 feet bgs in winter and spring and approximately 15 to 22 feet bgs in summer and fall in Site monitoring wells. Based on monitoring events conducted since 1995, shallow groundwater flow direction at the Site is predominantly to the southwest. A rose diagram is included as Figure 7. Table 2 presents historical groundwater elevations and groundwater monitoring results for all Site monitoring wells.

5.4 NATURAL RESOURCES AND ECOLOGICAL RECEPTORS

A sensitive receptor survey and a TEE were completed for the Site. Details of the evaluations are summarized below:

Sensitive Receptor Survey (SRS) Analysis: Surface waters near the Site include Seola Creek, located approximately ½ mile to the south of the Property and the Puget Sound located approximately 1.5 miles to the west of the Property. Based on distance to the surface waters, it is unlikely that impacted groundwater or soil beneath the Site pose any future risk or impact to these surface waters. No hospitals are located within ¼ mile of the Site. No water wells were located within approximately 1 mile of the Site. Three schools are located within ½ mile of the Site. Roxhill Elementary school is located approximately 125 feet north, Explorer West Middle School is located approximately 1,500 feet south, and Community School West Seattle is located approximately 1,800 feet east of the Site A SRS for the Site was completed by Delta Environmental in 2005 (Appendix G).

Terrestrial Ecological Evaluation: A TEE Exclusion Form was completed for the Site indicating that further evaluation is not required and is included as Appendix H, in addition to an aerial map depicting a 500-foot radius around the Site.

6.0 CONTAMINANT OCCURRENCE AND MOVEMENT

6.1 WASTE MATERIAL

No waste material is present on the surface or in the subsurface of this Site. Investigative-derived waste is transported from the Site and disposed of properly.

6.2 SOIL

Table 1 summarizes soil analytical data for the Site. Figure 4 depicts areas of the Site that contain soil samples exceeding the MTCA Method A screening levels. Analytical results from soil samples collected from the UST and dispenser island excavation during 1988 indicated the presence of petroleum-impacted soil. TPH was analyzed in soil samples by EPA Method 418.1, therefore quantification based on specific hydrocarbon ranges was not conducted and direct comparison to screening levels cannot be made. Soil samples collected during the Stage II Vapor Recovery retrofitting activities indicated petroleum-impacted soil beneath the northwest and northeast dispenser islands. Soil samples from AGW-3 located in southwest corner of the Property at a depth of 20.5 feet bgs contained petroleum compounds exceeding the MTCA Method A screening levels. No other soil samples collected have contained petroleum compounds exceeding MTCA Method A screening levels.

6.3 SURFACE WATER

Based on the distance to the nearest surface water bodies, no investigation of surface water associated with this release is necessary.

6.4 GROUNDWATER

Table 2 summarizes historical groundwater analytical results for Site monitoring wells. A groundwater contour map for the fourth quarter 2010 and Rose diagram depicting groundwater flow directions since 1994 are presented in Figure 7.

There are currently nine on-Property groundwater monitoring wells (AGW-1 through AGW-8 and AGW-12) and five off-Property monitoring wells (AGW-9 through AGW-11, AGW-13, and AGW-14). Historically, all Site monitoring wells have had groundwater samples that contained TPHg, TPHd, TPHo, BTEX, HVOCs, dissolved lead, and/or total lead compounds that exceeded MTCA Method A screening levels with the exception of monitoring wells AGW-10 and AGW-14.

Monitoring well AGW-1 has contained TPHg, TPHd, and BTEX compounds exceeding MTCA Method A screening levels since 1994, however, there has been a steady decrease in the concentration of petroleum hydrocarbon compounds in this monitoring well, and concentrations of all constituents have been below MTCA Method A screening levels for the past four events. Monitoring wells AGW-2, AGW-6, and AGW-8 have historically contained TPHg and BTEX compounds exceeding the MTCA Method A screening levels, however, there has been a steady decrease in the concentration of petroleum hydrocarbon compounds in these monitoring wells, and no analytes have exceeded the MTCA Method A screening levels during the past five or more sampling events. Monitoring wells AGW-3, AGW-7, AGW-9, AGW-12, and AGW-13 contain concentrations of TPHg, TPHd, and BTEX exceeding the MTCA Method A screening levels. Monitoring well AGW-9 has contained concentrations of tetrachloroethene (PCE) exceeding the MTCA Method A screening levels since installation, although concentrations have decreased over time. Trichloroethene (TCE) has also been detected intermittently in well AGW-9 at concentrations exceeding the MTCA Method A screening levels. Monitoring well AGW-3 has contained PCE in the past. More recent analytical results have not contained detectable concentrations of PCE; however, the analytical reporting limits were elevated due to sample dilution because of the high concentrations of petroleum hydrocarbons in the samples. Chloroform and methylene chloride have been detected periodically in wells AGW-1 through AGW-3, AGW-7, AGW-9, AGW-12, and AGW-13 at concentrations exceeding the MTCA Method A screening levels; however, both constituents are common laboratory contaminants.

The groundwater plume is defined to the north, east, and south by wells AGW-1, AGW-6, and AGW-10 to the north, AGW-4 and AGW-8 to the east, and AGW-11 and AGW-14 to the south. Based on analytical results from a grab groundwater sample collected in SB-2, the groundwater plume is currently not defined to the west.

Groundwater impacts appear to occur in two potentially separate plumes; one focused near AGW-12 and likely the result of the a release associated with the former dispenser islands, and one focused near AGW-3 and likely the result of a release associated with the former gasoline USTs and/or heating oil UST.

6.5 SEDIMENT

No discussion of the occurrence or movement of contaminants in this media is necessary.

6.6 AIR/SOIL VAPOR

A total of six soil vapor probes were installed in 1996 on the Property. Vapor concentrations were periodically measured at the six soil vapor points and monitoring wells AGW-1, AGW-3, AGW-7 and AGW-10. The locations of the soil vapor sampling points are presented on Figure 2. Soil vapor samples were collected in July 1996 during the soil vapor extraction pilot test from monitoring wells AGW-1 through AGW-3. Vapor samples were analyzed for TPHg, BTEX, and methane. Soil vapor concentrations were detected above laboratory detection limits in monitoring well AGW-1 for TPHg, BTEX, and methane. No soil vapor concentrations were detected above laboratory detection limits in monitoring wells AGW-2 and AGW-3.

7.0 CONCEPTUAL MODEL

Petroleum was released into soil at the service station sometime prior to 1988. It is not certain when or how the release occurred but based on environmental investigations the release likely occurred from the former fuel and waste oil USTs, the concrete septic cistern, and/or product conveyance system. A solvent-like substance containing PCE and TCE appears to have also been released into soil beneath the Site. TCE and other HVOCs have been detected in groundwater from well AGW-9; these constituents are considered degradation daughter products of the PCE. Based on known operations at the Property, the likely source of the PCE appears to have been the former concrete septic cistern. However, concentrations of PCE and its daughter products have not been detected in well AGW-7 located between the former cistern and well AGW-9, and therefore the source of the PCE has not been adequately identified. HVOCs, including PCE, have not been detected in soil samples collected from the Site.

All potential sources contributing to the original release have been removed from the Property. A total of 2,240 cubic yards of petroleum-impacted soil was excavated from the Site during the removal of the USTs in 1988. Soil containing residual hydrocarbon concentrations above MTCA Method A screening levels were left in place at the Site in the vicinity of the former fuel USTs, at the northeast and northwest former dispenser islands, and in the southwest corner of the Property.

The Property has been capped by asphalt and concrete since it was developed in 1957 and therefore has not been exposed to infiltrating surface water. Subsurface soils at the

Site consist of several feet of weathered till, consisting of poorly sorted sands with variable amounts of silt and gravel, underlain by glacial till at a depth of approximately 12 feet bgs and are saturated at depths ranging from approximately 9 to 24 feet bgs. Shallow perched water has likely come into contact with the petroleum-impacted soil in the vicinity of the former USTs and dispenser islands. Shallow groundwater flow is to the southwest. Monitoring wells located at the southwestern corner of the Property are impacted with petroleum hydrocarbons and PCE. A monitoring well situated near the southwestern corner of the adjacent casino building has not contained detectable hydrocarbon concentrations.

Based on the distribution of hydrocarbon-impacted groundwater at the Site, it appears that two releases may have contributed to groundwater impact. The reported release in 1993 appeared to be associated with the former USTs and dispenser islands, however, based on the presence of elevated petroleum hydrocarbon constituents and PCE and associated daughter products in the southwestern portion of the Site, an additional release may have occurred at sometime in the past associated with the former heating oil UST.

There are no water supply wells located within one mile of the Property. There are no surface water bodies or terrestrial ecological receptors located in close proximity to the Site.

Based on the concentrations of benzene and PCE in wells located near the casino building to the southwest and direction of groundwater flow, preliminary assessment indicates the need to further evaluate the vapor intrusion pathway. However, based on the current and likely future use of the Property and adjacent properties and the depth to groundwater, the cleanup action will likely be driven by protection of groundwater for potential drinking water use.

8.0 CLEANUP STANDARDS – SOIL AND GROUNDWATER

In accordance with MTCA, development of cleanup levels includes identifying potential exposure pathways for humans and environmental impacts based on the planned land use. The Property is currently zoned for commercial use and future zoning is not anticipated to change. As previously noted, the Property is currently used as a gasoline service station.

8.1 GROUNDWATER CLEANUP LEVELS

Although shallow groundwater in the vicinity of the Site is not currently a drinking water resource, it could potentially be used for drinking water beneficial use in the future. Therefore, the MTCA Method A groundwater cleanup level for COCs at the Site will be used. The point of compliance for this Site is defined as the point at which the groundwater cleanup level must be attained; thus, the point of compliance is the entire Site. Groundwater cleanup levels are presented in Table 2.

8.2 SOIL CLEANUP LEVELS

Based on the classification of groundwater in this area, MTCA Method A soil cleanup levels will be used for COCs at the Site. The point of compliance for soil cleanup levels based on protection of groundwater is all soil throughout the Site.

9.0 AREAS REQUIRING FUTURE MANAGEMENT AND CONCLUSIONS

9.1 CONSTITUENTS OF CONCERN

Based on a comparison to MTCA Method A cleanup levels, COCs remaining at the Site include TPHg, TPHd, and BTEX in soil, and TPHg, TPHd, TPHo, BTEX, MTBE, PCE, TCE, and total lead in groundwater.

9.2 SOIL – VERTICAL AND LATERAL

Figure 4 identifies soil sample locations containing petroleum hydrocarbon concentrations above the MTCA Method A screening levels. The areas requiring future management of petroleum hydrocarbons are in the vicinity of the former fuel UST system, in the vicinity of the former and current dispenser islands, and in the southwest corner of the Property. Results of Site investigation activities indicate that soil impacts are not fully defined to the southwest of the Property.

9.3 GROUNDWATER – VERTICAL AND LATERAL

Groundwater at the Site currently exceeds the MTCA Method A cleanup levels for Site COCs in monitoring wells AGW-3, AGW-7, AGW-9, AGW-12, and AGW-13. Further delineation is required to the west beyond SB-2. Based on historical groundwater analytical data for the Site monitoring wells, the groundwater plume appears to be migrating off-Property to the southwest beneath Roxbury Lanes and Casino. Due to the

presence of Roxbury Lanes and Casino, additional investigation in this area is not feasible.

9.4 SEDIMENT

No areas of impacted sediment exist at the Site.

9.5 SURFACE WATER

There is no indication that surface water has been impacted by the release originating from this Site; therefore, no additional action is necessary.

9.6 SOIL VAPOR/AIR

Based on the proximity of the Roxbury Lanes and Casino building to the southwest and the potential migration of impacted groundwater in this area, the vapor intrusion pathway will likely require further evaluation once the cleanup action is implemented.

10.0 REFERENCES

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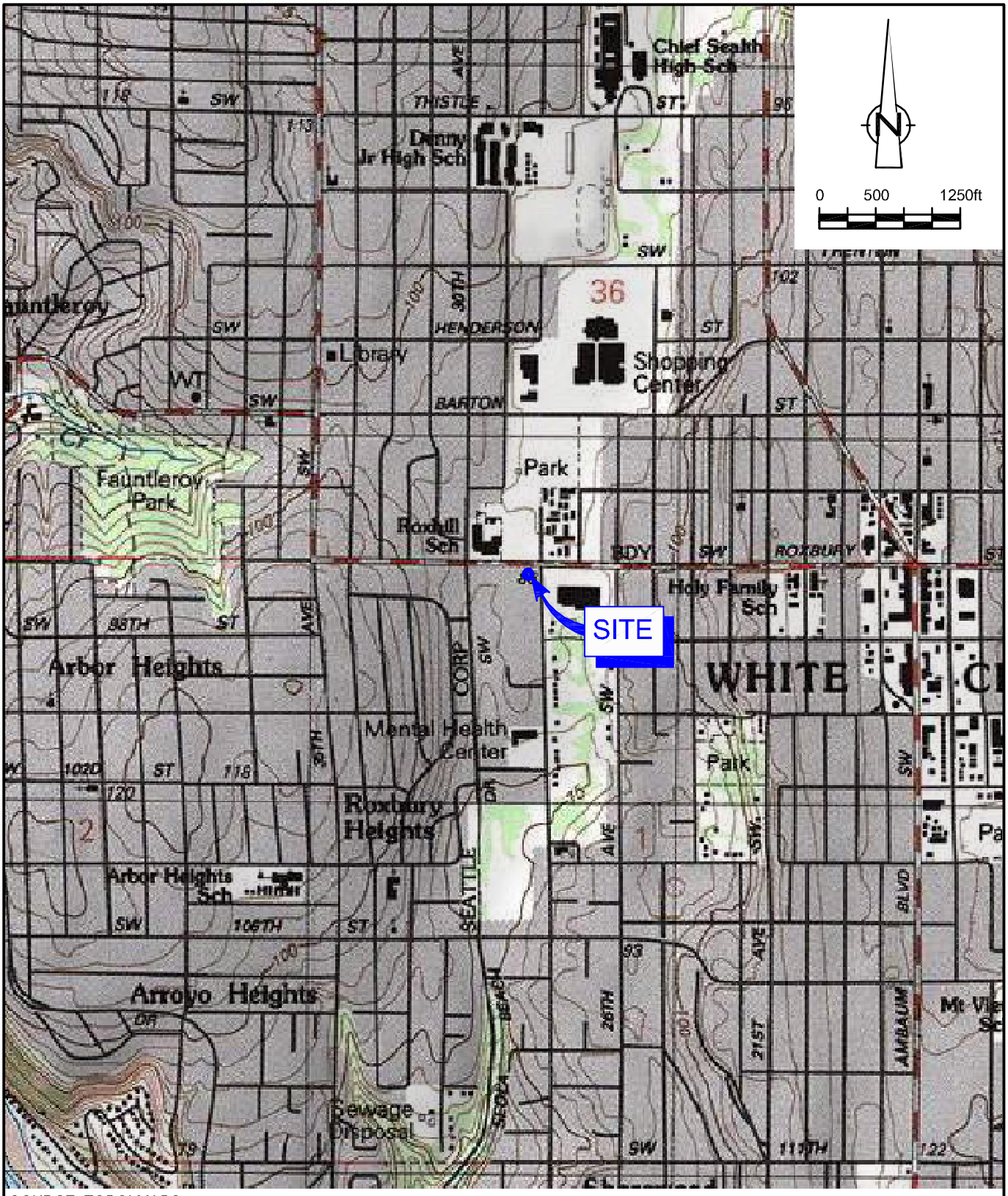
FIGURES



SOURCE: TOPO! MAPS.

figure 1

VICINITY MAP
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
Seattle, Washington

ROXHILL ELEMENTARY SCHOOL

CHIROPRACTIC CLINIC

SOUTHWEST ROXBURY STREET

N

0 20 40ft

AUTO REPAIR

ROXBURY LANES AND CASINO

SAFEWAY GAS STATION

28th AVENUE SOUTHWEST

PLANTER

L.P.

AGW-1

C.B.

PLANTER

AGW-6

FORMER USTs

FORMER DISPENSER ISLAND

AGW-10

AGW-12

FORMER 200-GAL. WASTE OIL UST

C.B.

AGW-4

AGW-2

DISPENSER ISLANDS

C.B.

C.B.

C.B.

STATION BUILDING

AGW-7

AGW-8

845-GAL. CONCRETE CISTERN

AGW-9

FORMER 550-GAL. HEATING OIL UST

C.B.

PLANTER

USTS

AGW-3

PLANTER

CAR WASH

AGW-5

L.P.

PLANTER

L.P.

AGW-13

AGW-11

FORMER BUILDING

AGW-14

BASEMAP FROM GEOENGINEERS

LEGEND

- AGW-1 ● MONITORING WELL LOCATION
- S DRAIN LINE
- STM STORM/SEWER LINE
- E ELECTRICAL LINE
- T TELEPHONE LINE
- W WATER LINE
- C.B. □ CATCHBASIN
- L.P. ● LIGHT POLE
- MTCA SITE BOUNDARY
- APPROXIMATE PROPERTY BOUNDARY

figure 2

SITE PLAN
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
Seattle, Washington

241799-2009(006)GN-WA001 FEB 03/2011

RESIDENTAL

RESIDENTAL

30th AVE. SOUTHWEST

ROXHILL ELEMENTARY SCHOOL
(9430 30th AVE. SW

BASEBALL FIELDS

WESTWOOD HEIGHTS
(9455 27th AVE. SW)

27th AVE. SOUTHWEST

RESIDENTAL

RESIDENTAL

N

0 50 100ft

CHIROPRACTIC CLINIC
(2656 ROXBURY ST.)

PUGET SOUND (1.5 MI)

ROXBURY STREET

RESIDENTAL

FORMER 76-BRANDED
SERVICE STATION
(2851 SW ROXBURY ST)

AUTO SUPPLY
(2839 ROXBURY ST.)

AUTO REPAIR
(2827 ROXBURY ST.)

STATION
BUILDING

CAR
WASH

ANIMAL CLINIC
(9608 30th AVE. SW)

ROXBURY
LANES AND CASINO
(2823 ROXBURY ST.)

SEOLA CREEK (0.5 MI)

ASPHALT
PARKING

28th AVENUE SOUTHWEST

SAFEWAY
GAS STATION
(2615 ROXBURY ST.)

ASPHALT
PARKING

SAFEWAY GROCERY STORE
(2656 ROXBURY ST.)

26th AVE. SOUTHWEST

RESIDENTAL

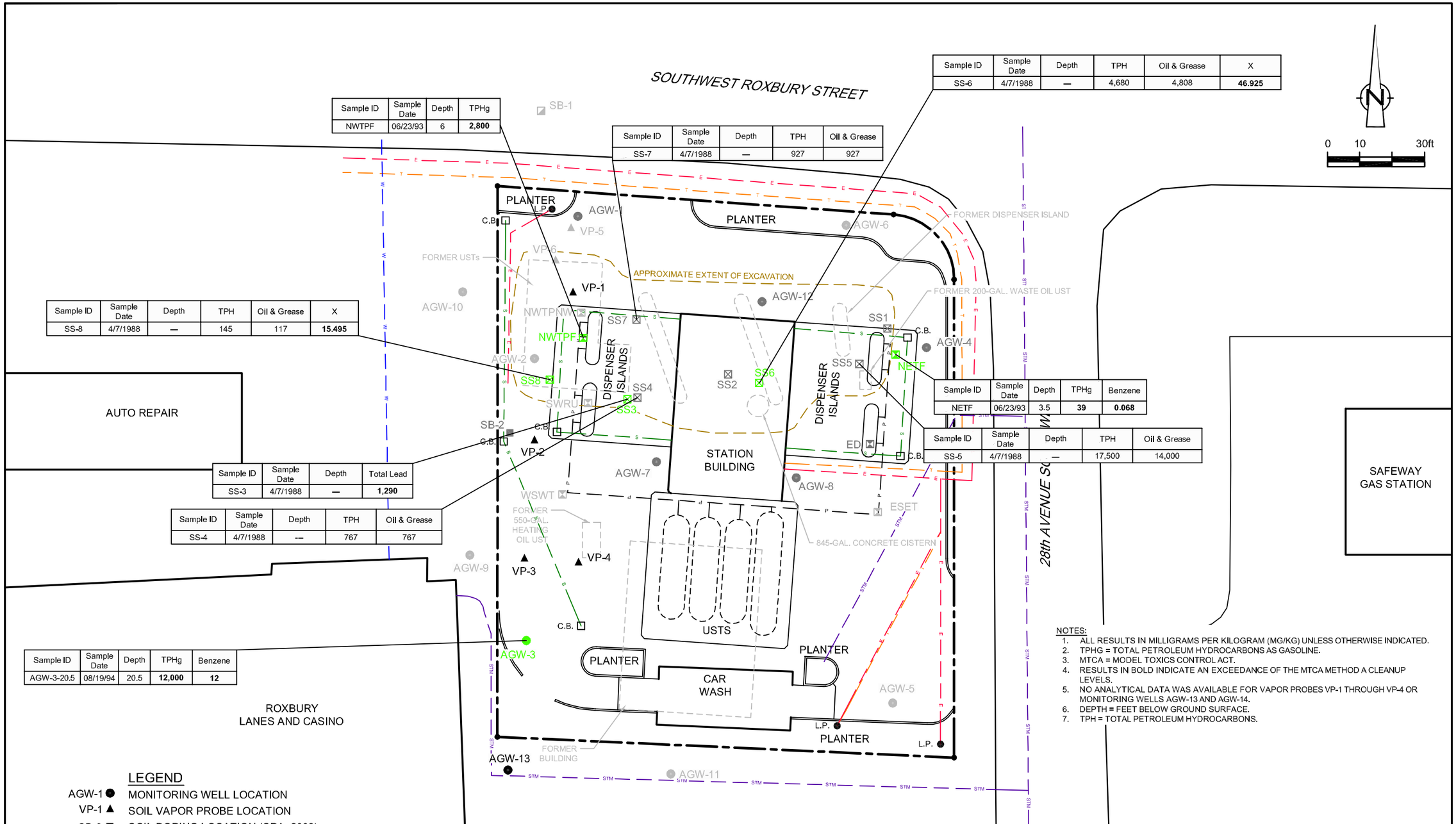
RESIDENTAL

BASEMAP FROM GEOENGINEERS

241799-2009(006)GN-WA003 FEB 03/2011

figure 3

AREA MAP
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
Seattle, Washington



Sample ID	Sample Date	Depth	TPHg
NWTPF	06/23/93	6	**2,800**

Sample ID	Sample Date	Depth	TPH	Oil & Grease
SS-7	4/7/1988	—	927	927

Sample ID	Sample Date	Depth	TPH	Oil & Grease	X
SS-6	4/7/1988	—	4,680	4,808	**46.925**

Sample ID	Sample Date	Depth	TPH	Oil & Grease	X
SS-8	4/7/1988	—	145	117	**15.495**

Sample ID	Sample Date	Depth	TPHg	Benzene
NETF	06/23/93	3.5	**39**	**0.068**

Sample ID	Sample Date	Depth	TPH	Oil & Grease
SS-5	4/7/1988	—	17,500	14,000

Sample ID	Sample Date	Depth	Total Lead
SS-3	4/7/1988	—	**1,290**

Sample ID	Sample Date	Depth	TPH	Oil & Grease
SS-4	4/7/1988	--	767	767

Sample ID	Sample Date	Depth	TPHg	Benzene
AGW-3-20.5	08/19/94	20.5	**12,000**	**12**

NOTES:
1. ALL RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG) UNLESS OTHERWISE INDICATED.
2. TPHG = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE.
3. MTCA = MODEL TOXICS CONTROL ACT.
4. RESULTS IN BOLD INDICATE AN EXCEEDANCE OF THE MTCA METHOD A CLEANUP LEVELS.
5. NO ANALYTICAL DATA WAS AVAILABLE FOR VAPOR PROBES VP-1 THROUGH VP-4 OR MONITORING WELLS AGW-13 AND AGW-14.
6. DEPTH = FEET BELOW GROUND SURFACE.
7. TPH = TOTAL PETROLEUM HYDROCARBONS.

LEGEND

- AGW-1 ● MONITORING WELL LOCATION
- VP-1 ▲ SOIL VAPOR PROBE LOCATION
- SB-2 ■ SOIL BORING LOCATION (CRA, 2009)
- SB-1 ◪ SOIL BORING LOCATION (GEOENGINEERS, 1995)
- ESET ⊠ SOIL SAMPLE LOCATION (EMCON, 1993)
- SS1 ⊠ SOIL SAMPLE LOCATION (APPLIED GEOTECHNOLOGY, 1988)
- P PRODUCT LINE
- EXCAVATION EXTENT
- APPROXIMATE PROPERTY BOUNDARY

BASEMAP FROM GEOENGINEERS

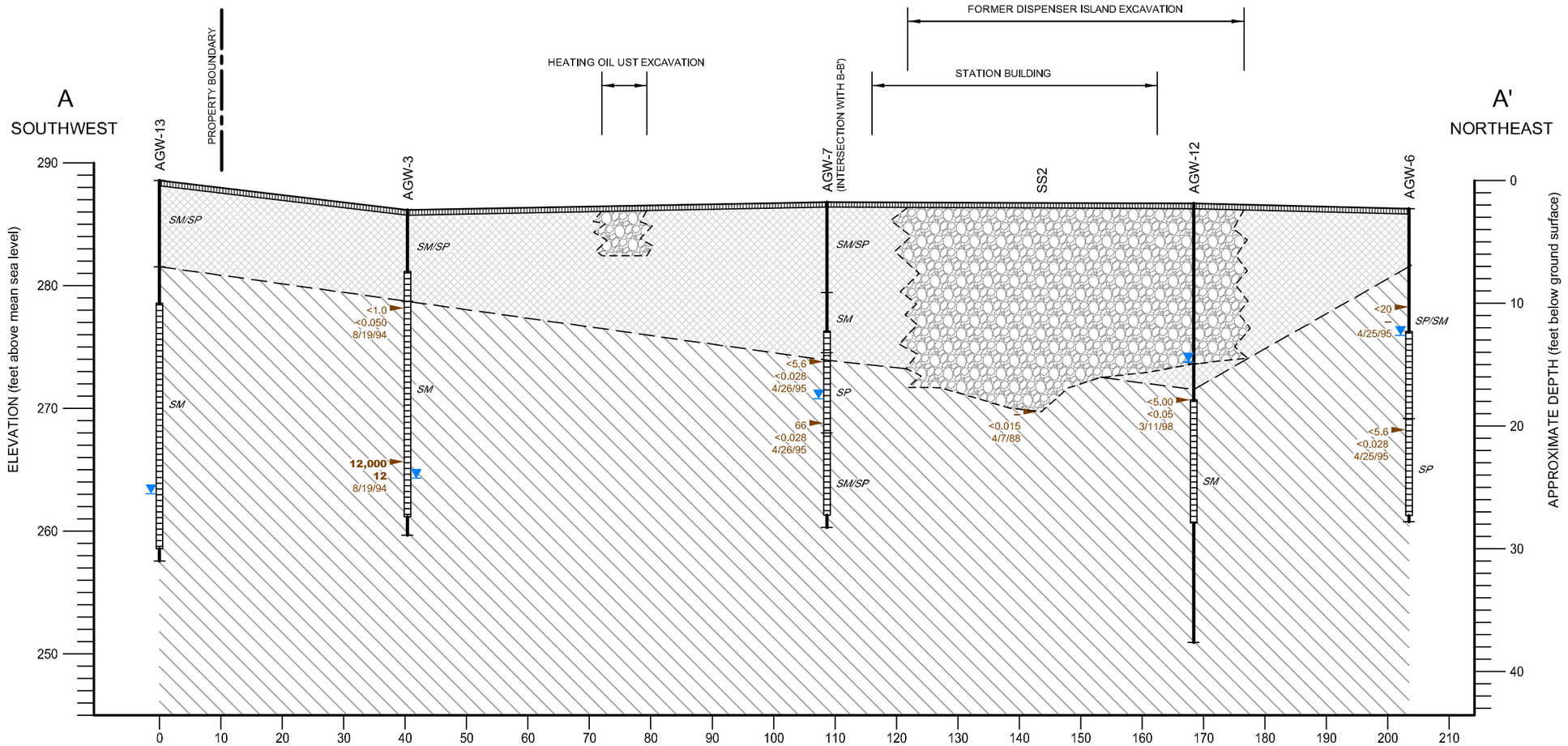
- INDICATES ALL CONCENTRATIONS WERE BELOW LABORATORY REPORTING LIMITS
- INDICATES AT LEAST ONE CONCENTRATION WAS DETECTED ABOVE THE LABORATORY REPORTING LIMITS, BUT NO CONCENTRATION EXCEEDED THE MTCA METHOD A CLEANUP LEVELS
- INDICATES AT LEAST ONE CONCENTRATION EXCEEDED ECOLOGY'S MTCA METHOD A CLEANUP LEVELS

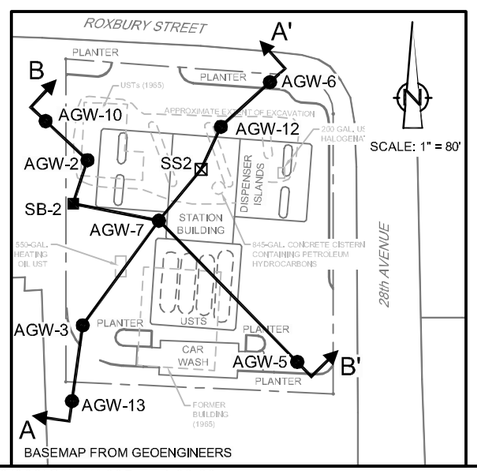
- S DRAIN LINE
- STM STORM/SEWER LINE
- E ELECTRICAL LINE
- T TELEPHONE LINE
- W WATER LINE
- C.B. □ CATCHBASIN
- L.P. ● LIGHT POLE

figure 4

SOIL INVESTIGATION DATA MAP
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
Seattle, Washington

241799-2009(006)GN-WA004 MAR 03/2011





LEGEND

AGW-13 — WELL DESIGNATION
GROUND SURFACE
MONITORING WELL INSTALLATION
STRATIGRAPHIC BOUNDARY
CL — TYPICAL SOIL CLASSIFICATION
SCREENED INTERVAL
BOTTOM OF BORING
APPROXIMATE SOIL SAMPLE LOCATION
TPHg / BENZENE / DATE — HYDROCARBON CONCENTRATIONS IN SOIL (mg/kg)
-- NOT ANALYZED
INFERRED CONTACT

WEATHERED GLACIAL TILL - SEDIMENT THAT IS LOOSELY ARRANGED OR UNSTRATIFIED

GLACIAL TILL - GLACIALLY REWORKED, DENSLY COMPACTED, UNSORTED CLAY, SILT, SAND, AND GRAVEL

FILL

ASPHALT

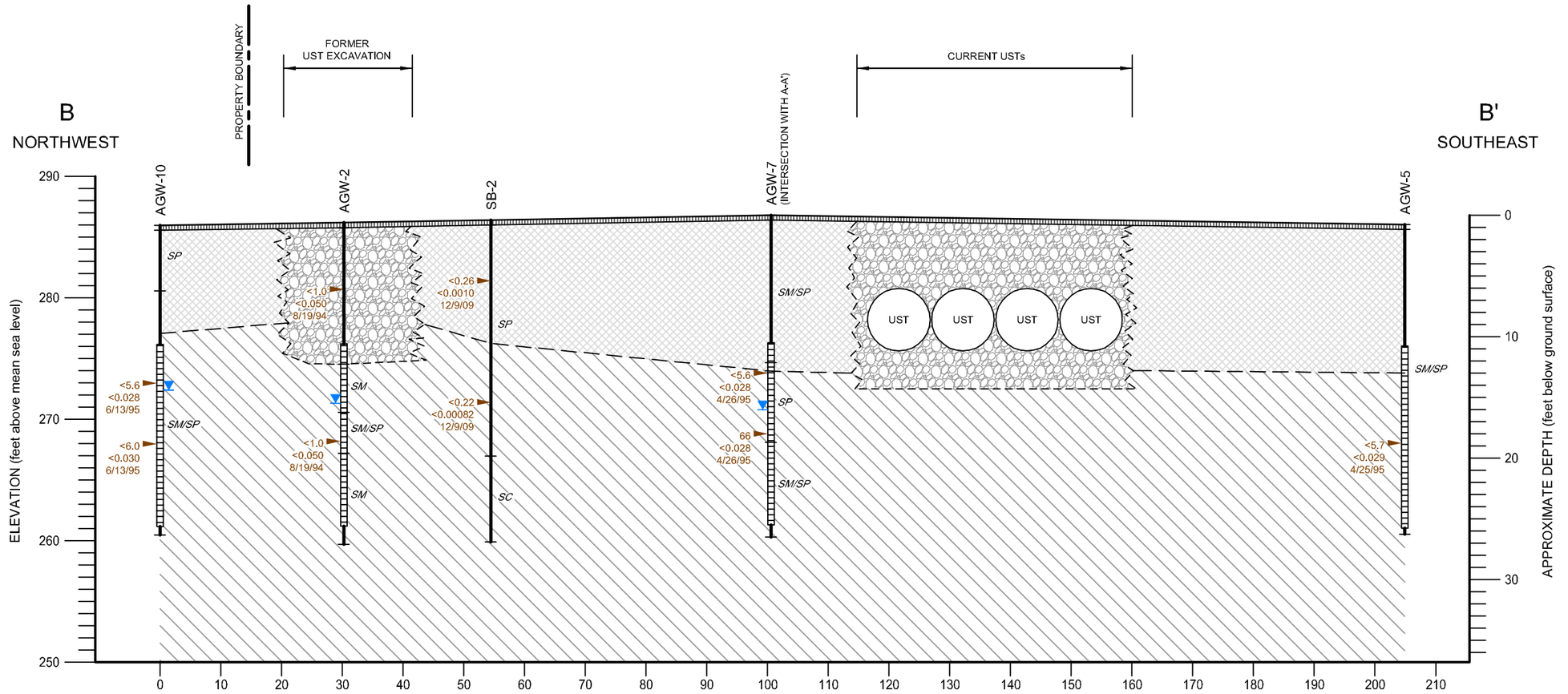
SP - POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES

SM - SILTY SANDS, SAND-SILT MIXTURES

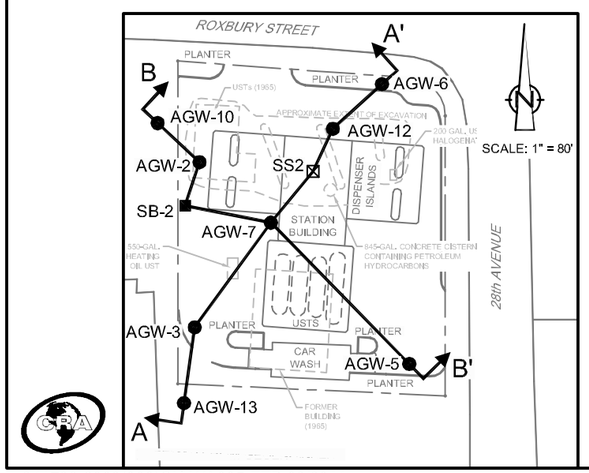
STATIC GROUNDWATER ELEVATION (12/08/10)

figure 5

CROSS SECTION A-A'
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
Seattle, Washington



SCALE: HORZ. 1" = 20'
VERT. 1" = 10'



LEGEND

AGW-10 — WELL DESIGNATION
GROUND SURFACE
MONITORING WELL INSTALLATION
STRATIGRAPHIC BOUNDARY
CL — TYPICAL SOIL CLASSIFICATION
SCREENED INTERVAL
BOTTOM OF BORING
APPROXIMATE SOIL SAMPLE LOCATION
TPHg / BENZENE / DATE — HYDROCARBON CONCENTRATIONS IN SOIL (mg/kg)
INFERRED CONTACT

WEATHERED GLACIAL TILL - SEDIMENT THAT IS LOOSELY ARRANGED OR UNSTRATIFIED

GLACIAL TILL - GLACIALLY REWORKED, DENSLY COMPACTED, UNSORTED CLAY, SILT, SAND, AND GRAVEL

FILL

ASPHALT

SP - POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES

SM - SILTY SANDS, SAND-SILT MIXTURES

SC - CLAYEY SANDS, SAND-CLAY MIXTURES

STATIC GROUNDWATER ELEVATION (12/08/10)

figure 6

CROSS SECTION B-B'
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
Seattle, Washington

ROXHILL ELEMENTARY SCHOOL

SOUTHWEST ROXBURY STREET

28th AVENUE SOUTHWEST

AUTO REPAIR

ROXBURY
LANES AND CASINO

SAFEWAY
GAS STATION

AGW-1 (272.64) (380) (<0.50)
AGW-2 (271.31) (<100) (<0.50)
AGW-3 (264.31) (50,000) (1,000)
AGW-4
AGW-5
AGW-6 (275.95) (<100) (<0.50)
AGW-7 (270.78) (6,000) (1.6)
AGW-8 (271.82) (<100) (<0.50)
AGW-9 (265.20) (190) (23)
AGW-10 (272.39) (<100) (<0.50)
AGW-11 (264.29) (<100) (<0.50)
AGW-12 (273.76) (18,000) (180)
AGW-13 (263.05) (18,000) (21)
AGW-14 (261.97) (<100) (<0.50)

270.00
273.00
267.00
264.00
0.07

STATION BUILDING
CAR WASH
USTS
DISPENSER ISLANDS
PLANTER
FORMER USTs
FORMER 550-GAL. HEATING OIL UST
FORMER 200-GAL WASTE OIL UST
FORMER DISPENSER ISLAND
FORMER BUILDING (1965)
845-GAL. CONCRETE CISTERN
C.B.
L.P.

0° 90° 180° 270°

0 20 40ft

EACH CIRCLE ON THE ROSE DIAGRAM REPRESENTS ONE SAMPLING EVENT. THE BLUE SLIVERS REPRESENT GROUNDWATER FLOW DIRECTION IN DEGREES AND EACH QUARTER OF THE ROSE DIAGRAM IS BROKEN INTO 10 SECTIONS REPRESENTING 9 DEGREES OF FLOW DIRECTION PER SECTION.

LEGEND

- AGW-1 ● MONITORING WELL LOCATION
- (271.82) GROUNDWATER ELEVATION (ft)
- (3,600) TPHg CONCENTRATION (ug/L)
- (170) BENZENE CONCENTRATION (ug/L)
- 270.00 GROUNDWATER ELEVATION CONTOUR, IN FEET ABOVE MEAN SEA LEVEL (MSL), DASHED WHERE INFERRED
- 0.07 GROUNDWATER FLOW DIRECTION AND GRADIENT (ft/ft)
- S DRAIN LINE
- STM STORM/SEWER LINE
- E ELECTRICAL LINE
- T TELEPHONE LINE
- W WATER LINE
- C.B. CATCHBASIN
- L.P. LIGHT POLE
- APPROXIMATE PROPERTY BOUNDARY

BASEMAP FROM GEOENGINEERS

figure 7

GROUNDWATER ELEVATION AND CHEMICAL CONCENTRATION MAP - DECEMBER 8, 2010
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
Seattle, Washington

TABLES

TABLE 1

SUMMARY OF HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

				HYDROCARBONS					*PRIMARY VOCs*						*LEAD*	*PCBs*
Sample ID	*Consultant*	*Sample Date*	*Sample Depth*	*TPH* [a]	*Oil & Grease* [a]	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*Total*	*Aroclor 1242*
		MTCA Method A Screening Levels		*NE*	*NE*	***30/100***	***2,000***	***2,000***	***0.03***	***7***	***6***	***9***	***0.005***	*N/A*	***250***	***1***
			ft	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*
SS-1	AGI (1989)	04/07/88	---	38.0	22.5	---	---	---	<0.015	<0.015	---	0.928	---	---	13.0	<0.02
SS-2	AGI (1989)	04/07/88	17 b	15.8	<5.0	---	---	---	<0.015	<0.015	---	<0.045	---	---	26.0	<0.02
SS-4	AGI (1989)	04/07/88	---	767	767	---	---	---	<0.015	<0.015	---	0.591	---	---	42	<0.02
SS-5	AGI (1989)	04/07/88	---	17,500	14,000	---	---	---	<0.040	<0.040	---	0.695	---	---	88	0.11
SS-6	AGI (1989)	04/07/88	---	4,680	4,808	---	---	---	<0.040	<0.040	---	**46.925**	---	---	34	<0.02
SS-7	AGI (1989)	04/07/88	---	927	927	---	---	---	<0.040	0.078	---	3.015	---	---	13	<0.02
SS-8	AGI (1989)	04/07/88	---	145	117	---	---	---	<0.015	1.575	---	**15.495**	---	---	23	<0.02
B-4	AGI (1989)	08/18/88	7.5	7.2	---	---	---	---	---	---	---	---	---	---	---	---
B-4	AGI (1989)	08/18/88	17.5	8.4	---	---	---	---	---	---	---	---	---	---	---	---
B-4	AGI (1989)	08/18/88	22.5	<5	---	---	---	---	---	---	---	---	---	---	---	---
NETF	EMCON (1993)	6/23/1993	3.5	---	---	**39**	---	---	**0.068**	<0.050	<0.050	<0.10	---	---	---	---
ED	EMCON (1993)	6/23/1993	2.5	---	---	---	27	---	---	---	---	---	---	---	---	---
ESET	EMCON (1993)	6/23/1993	3.5	---	---	<1.0	<10	---	<0.050	<0.050	<0.050	<0.10	---	---	---	---
WSWT	EMCON (1993)	6/22/1993	3.5	---	---	<1.0	<10	---	<0.050	<0.050	<0.050	<0.10	---	---	---	---
SWRU	EMCON (1993)	6/22/1993	2.5	---	---	<1.0	---	---	<0.050	<0.050	<0.050	<0.10	---	---	---	---
NWTPF	EMCON (1993)	6/23/1993	6	---	---	**2,800**	---	---	<0.050	**57**	**42**	**260**	---	---	---	---
NWTPNW	EMCON (1993)	6/23/1993	3	---	---	<1.0	---	---	<0.050	<0.050	<0.050	<0.10	---	---	---	---
AGW-1-5.5	GeoEngineers (1994)	8/19/1994	5.5	---	---	<1.0	<10	---	<0.050	<0.050	<0.050	<0.10	---	---	<10	---
AGW-1-18.0	GeoEngineers (1994)	8/19/1994	18	---	---	<1.0	10	---	<0.050	<0.050	<0.050	<0.10	---	---	<10	---
AGW-2-5.5	GeoEngineers (1994)	8/19/1994	5.5	---	---	<1.0	<10	---	<0.050	<0.050	<0.050	<0.10	---	---	<10	---
AGW-2-18.0	GeoEngineers (1994)	8/19/1994	18	---	---	<1.0	<10	---	<0.050	<0.050	<0.050	<0.10	---	---	<10	---
AGW-3-8.0	GeoEngineers (1994)	8/19/1994	8	---	---	<1.0	620	---	<0.050	<0.050	<0.050	<0.10	---	---	<10	---
AGW-3-20.5	GeoEngineers (1994)	8/19/1994	20.5	---	---	**12,000**	280	---	**12**	**120**	**110**	**560**	---	---	<10	---
AGW-4-18.0	GeoEngineers (1994)	8/19/1994	18	---	---	<1.0	39	---	<0.050	<0.050	<0.050	<0.10	---	---	12	---
AGW-5-18.0	GeoEngineers (1995)	4/25/1995	18	---	---	<5.7	<11	<46	<0.029	<0.029	<0.029	<0.029	---	---	---	---
AGW-6-8.0	GeoEngineers (1995)	4/25/1995	8	---	---	<20	<50	<100	---	---	---	---	---	---	---	---
AGW-6-18.0	GeoEngineers (1995)	4/25/1995	18	---	---	<5.6	<11	<45	<0.028	<0.028	<0.028	<0.028	---	---	---	---
AGW-7-13.0 **	GeoEngineers (1995)	4/26/1995	13	---	---	<5.6	16	<45	<0.028	<0.028	<0.028	<0.028	---	---	---	---
AGW-7-18.0 **	GeoEngineers (1995)	4/26/1995	18	---	---	66	74	<45	<0.028	0.17	0.051	0.63	---	---	---	---
AGW-8-18.0	GeoEngineers (1995)	4/26/1995	18	---	---	<6.0	13	<48	<0.030	<0.030	<0.030	<0.030	---	---	---	---
SB-1-10.5	GeoEngineers (1995)	4/25/1995	10.5	---	---	<5.6	<11	<45	<0.028	<0.028	<0.028	<0.028	---	---	---	---
SB-1-18.0	GeoEngineers (1995)	4/25/1995	18	---	---	<6.2	<12	<49	<0.031	<0.031	<0.031	<0.031	---	---	---	---

TABLE 1

SUMMARY OF HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

				HYDROCARBONS					*PRIMARY VOCs*						*LEAD*	*PCBs*
Sample ID	*Consultant*	*Sample Date*	*Sample Depth*	*TPH* [a]	*Oil & Grease* [a]	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*Total*	*Aroclor 1242*
		MTCA Method A Screening Levels		*NE*	*NE*	*30/100*	*2,000*	*2,000*	*0.03*	*7*	*6*	*9*	*0.005*	*N/A*	*250*	*1*
			ft	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*
AGW-9-13.0	GeoEngineers (1995)	6/13/1995	13	---	---	<5.6	<11	<45	<0.028	<0.028	<0.028	<0.028	---	---	---	---
AGW-9-18.0	GeoEngineers (1995)	6/13/1995	18	---	---	<5.4	<11	<43	<0.027	<0.027	<0.027	<0.027	---	---	---	---
AGW-10-13.0	GeoEngineers (1995)	6/13/1995	13	---	---	<5.6	<11	<44	<0.028	<0.028	<0.028	<0.028	---	---	---	---
AGW-10-18.0	GeoEngineers (1995)	6/13/1995	18	---	---	<6.0	<12	<48	<0.030	<0.030	<0.030	<0.030	---	---	---	---
AGW-11-13.0	GeoEngineers (1995)	6/13/1995	13	---	---	<5.8	<12	<47	<0.029	<0.029	<0.029	<0.029	---	---	---	---
AGW-11-17.5	GeoEngineers (1995)	6/13/1995	17.5	---	---	<5.6	<11	<45	<0.028	<0.028	<0.028	<0.028	---	---	---	---
VP-5-10.5 **	GeoEngineers (1997)	12/3/1996	10.5	---	---	<5.00	<10.0	<25.0	---	---	---	---	---	---	---	---
VP-6-14 **	GeoEngineers (1997)	12/3/1996	14	---	---	<5.00	<10.0	<25.0	---	---	---	---	---	---	---	---
VP-6-25 **	GeoEngineers (1997)	12/3/1996	25	---	---	<5.00	<10.0	<25.0	---	---	---	---	---	---	---	---
AGW-12-16 **	GeoEngineers (1998)	3/11/1998	16	---	---	<5.00	<10.0	<25.0	<0.0500	<0.0500	<0.0500	<0.100	---	---	1.91	---
SO-241799-120909-JS-SB2-5	CRA (2009)	12/9/2009	5	---	---	<0.26	46	290	<0.0010	<0.0010	<0.0010	<0.0021	---	---	10.4	---
SO-241799-120909-JS-SB2-15	CRA (2009)	12/9/2009	15	---	---	<0.22	<5.0	<5.0	<0.00082	<0.00082	<0.00082	<0.0016	---	---	2.11	---

Notes:
MTCA = Model Toxics Control Act
-- = Not analyzed
All results in milligrams per kilogram (mg/kg) unless otherwise indicated.
Results in bold indicate an exceedance of the MTCA Method A cleanup level.
bgs = below ground surface (in feet)
TPH = Total recoverable petroleum hydrocarbons by EPA Method 418.1
Oil and Grease = Total Oil and grease by EPA method 418.1
TPHg = Total petroleum hydrocarbons as gasoline range organics analyzed by NWTPH-Gx unless otherwise noted
TPHd = Total petroleum hydrocarbons as diesel range organics analyzed by NWTPH-Dx unless otherwise noted
TPHo = Total petroleum hydrocarbons as heavy oil range organics analyzed by NWTPH-Dx unless otherwise noted
BTEX = Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B; before February 26, 2008, analyzed by EPA Method 8020 unless otherwise noted
EDB = 1,2-Dibromoethane analyzed by EPA Method 8011
EDC = 1,2-Dichloroethane analyzed by EPA Method 8260B
VOCs = volatile organic compounds
HVOCs = halogenated volatile organic compounds
Total Lead analyzed by EPA Method 6020
PCBs = Polychlorinated biphenyls analyzed by EPA Method 8080
<x = Not detected at reporting limit x
NA = Not applicable
a = Analysis conducted for TPH via method 418.1.
b = Depth of sample not provided in reference report. Depth of sample inferred from narrative of investigation provided in report text.
** Indicates that soil samples were additionally analyzed for HVOCs by EPA Method 8010. HVOCs were not detected above laboratory detection limits (with the exception of methylene chloride in the 1995 samples, which was also detected in the Method Blank).

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*		*LEAD*		*HVOCs*			
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*E*	*T*	*X*	*EDB*	*EDC*	*MTBE*	*TBA*	*Total*	*Dissolved*	*PCE*	*TCE*	*Chloroform*	*Methylene Chloride*
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	700	1000	1000	0.01	5	20	NE	15	15	5	5	7.2	5
AGW-1	08/25/94	99.64	15.70	83.94	**54,000**	**1,600**	<750 f	**280**	**5,200**	**1,300**	**8,300**	---	---	---	---	---	7.6	---	---	---	---
AGW-1	12/07/94	99.64	17.82	81.82	**75,000**	**5,100**	**1,000**	**250**	**4,500**	**2,000**	**9,600**	---	---	---	---	---	4.2	---	---	---	---
AGW-1	04/28/95	99.64	12.18	87.46 a	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-1	06/19/95	99.64	13.44	86.30 a	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-1	12/06/95	99.64	15.15	84.50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-1	03/08/96	99.64	10.86	88.36 a	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-1	04/02/96	99.64	10.91	88.76 a	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-1	05/23/96	99.64	11.09	88.55	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-1	07/31/96	99.64	12.52	87.12	**15,600**	**1,080**	<750 f	**51.7**	232	242	898	---	1.25	---	---	---	<2.0	<2.50	<2.50	<2.50	<12.5 f
AGW-1	10/22/96	99.22	14.06	85.16	---	---	---	---	---	---	---	---	---	---	---	---	<2.0	---	---	---	---
AGW-1	02/03/97	99.22	8.59	90.63	**32,000**	**8,720**	<750 f	<50.0 f	323	382	**1,800**	---	---	---	---	---	3.87	<10.0 f	<10.0 f	<10.0 f	<50.0 f
AGW-1	03/31/98	99.22	10.37	88.85	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-1	06/15/98	99.22	11.50	87.72	**15,100**	**689 b**	<750 f	**27.2**	320	343	**1,460**	---	<10	---	---	---	**40**	<10.0 f	<10.0 f	<10.0 f	<100 f
AGW-1	09/25/98	99.22	15.63	83.59	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-1	12/07/98	99.22	14.23	84.99	**102,000**	**6,000**	<3,750 f	**38**	598	497	**2,620**	---	<20	---	---	---	---	<20.0 f	<20.0 f	<20.0 f	**112 i**
AGW-1	07/19/99	99.22	11.37	87.85	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-1	11/05/99	99.22	15.41	83.81 a	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-1	06/16/00	99.22	12.25	86.97	**12,800**	**11,400**	**578**	<12.0 f	258	310	**1,240**	---	---	---	---	---	3.27	<1.00	<1.00	<1.00	<5.00
AGW-1	11/09/00	99.22	16.53	82.69	**7,650**	**987**	<500	<11.5 f	110	176	599	---	---	---	---	---	4.02	<1.00	<1.00	<1.00	<5.00
AGW-1	02/15/01	99.22	16.55	82.67	**10,900**	295	<500	<10.0 f	**884**	410	**2,040**	---	---	---	---	---	2.49	<1.00	<1.00	<1.00	<5.00
AGW-1	05/25/01	99.22	16.01	83.21	**17,700**	**691**	<500	**17.3**	**736**	686	**3,530**	---	<1.0	---	---	---	2.98	<1.00	<1.00	<1.00	<5.00
AGW-1	10/12/01	99.22	17.68	81.61 a	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-1	01/29/02	99.22	11.45	87.77	**16,200**	361	<500	**14.1**	502	623	**2,790**	---	<1.0	---	---	---	1.64	<1.00	<1.00	<1.00	<5.00
AGW-1	04/23/02	99.22	10.92	88.30	**16,400**	273	<500	**11.3**	343	572	**2,410**	---	---	---	---	---	1.92	ND	ND	ND	ND
AGW-1	07/11/02	99.22	12.61	86.61	**26,000**	**1,100**	<750 f	**21**	240	400	**1,860**	<5.0 f	<5.0	<5.0	---	---	<5.0	<5	<5	<5	<25 f
AGW-1	01/14/03	99.22	15.28	83.94	**49,000**	<250	<500	<50 f	480	730	**3,600**	<50 f	<50 f	<50 f	---	---	<5.0	<50 f	<50 f	<50 f	<250 f
AGW-1	05/09/03	99.22	11.93	87.29	**18,000**	**2,500**	<2,500 f	<25 f	130	360	**1,510**	<25 f	<25 f	<25 f	---	---	<5.0	<25 f	<25 f	<25 f	<120 f
AGW-1	10/14/03	99.22	16.99	82.23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-1	03/26/04	99.22	11.44	87.78	**9,100**	**1,100**	<500	<10	98	200	620	<10 f	<10 f	<10	---	---	---	<10 f	<10 f	<10 f	**110**
AGW-1	09/28/05	99.22	12.71	86.51	**5,300**	**1,500**	<1,000 f	<10	85	130	400	<10 f	<10 f	<10	---	---	---	<10 f	<10 f	<10 f	<50 f
AGW-1	04/19/07	99.22	9.47	89.75	300	<243	<485	<1.0	2.34	8.32	7.55	---	---	<1.0	---	---	<1.0	ND	ND	---	---
AGW-1 *	10/10/07	99.22	13.17	86.05	<250	**853 d,e**	<105	<1.0	<1.0	<1.0	<3.0	<1.0 f	<1.0	<1.0	---	---	<2.0	<1.00	<1.00	<1.00	<5.00
AGW-1	04/03/08	99.22	12.24	86.98	120	<250	<400	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<1
AGW-1 *	10/14/08	99.22	16.38	82.84	**1,400**	**2,100**	<100	<0.5	18	61	34	<1.0 f	<0.50	<1.0	<10	7.66	---	<1.0	<1.0	<1.0	<10 f
AGW-1 *	04/14/09	99.22	12.37	86.85	160	<100	<100	<0.50	1.7	2.2	7.5	---	---	<0.50	4.8	**15.6**	---	<0.50	<0.50	<0.50	<0.50
AGW-1 *	12/30/09	285.63	12.54	273.09	<100	<100	<100	<0.50	<1.0	<1.0	1.7	---	---	<1.0	<10	---	---	---	---	---	---
AGW-1	06/22/10	285.63	11.14	274.49	<100	<100	<250	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
AGW-1 *	12/08/10	285.63	12.99	272.64	380	160 g	<100	<0.50	14	6.9	24	---	---	<1.0	<10	---	---	---	---	---	---

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*		*LEAD*		*HVOCs*			
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*E*	*T*	*X*	*EDB*	*EDC*	*MTBE*	*TBA*	*Total*	*Dissolved*	*PCE*	*TCE*	*Chloroform*	*Methylene Chloride*
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	700	1000	1000	0.01	5	20	NE	15	15	5	5	7.2	5
AGW-2	08/25/94	100.28	17.26	83.02	**1,200**	510	<750 f	**510**	58	86	200	---	---	---	---	---	<2.0	---	---	---	---
AGW-2	12/07/94	100.28	19.51	80.77	**940**	490	**1,200**	**590**	25	21	91	---	---	---	---	---	<2.0	---	---	---	---
AGW-2	04/28/95	100.28	15.05	85.23	**7,000**	<240	<710 f	**980**	500	360	950	---	---	---	---	---	<3.0	2.3	ND	ND	ND
AGW-2	06/19/95	100.28	16.11	84.17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-2	12/06/95	100.28	17.46	82.82	**3,100**	<250	<750 f	**740**	170	270	250	---	---	---	---	---	<2.0	ND	ND	ND	ND
AGW-2	04/02/96	100.28	12.52	87.76	**870**	<250	<750 f	**130**	70	35	110	---	<0.50	---	---	---	---	2.0	<1.0	<1.0	<5.0
AGW-2	07/31/96	100.28	12.30	87.98	369	**1,210**	<750 f	**65.3**	26.0	23.6	43.4	---	---	---	---	---	<2.0	2.83	<1.00	<1.00	<5.00
AGW-2	10/22/96	99.77	15.87	83.90	**833**	<250	<750 f	**166**	21.4	45.3	63.7	---	---	---	---	---	<2.0	1.60	ND	ND	ND
AGW-2	02/03/97	99.77	9.66	90.11	122	<250	<750 f	**122**	5.82	5.82	17.8	---	<1.0	---	---	---	<2.0	2.61	<1.00	<1.00	<5.00
AGW-2	03/31/98	99.77	12.36	87.41	**2,210**	<250	<750 f	**351**	163	84.9	277	---	---	---	---	---	<1	3.64	<2.00	<2.00	<10.0 f
AGW-2	06/15/98	99.77	13.88	85.89	**1,870**	<250	<750 f	**466**	202	88.9	302	---	<1.0	---	---	---	<1	3.24	<1.00	<1.00	<10.0 f
AGW-2	09/25/98	99.77	17.15	82.62	**4,250**	<250	<750 f	**1,040**	405	175	702	---	<1.0	---	---	---	<1	1.33	<1.00	<1.00	<5.00
AGW-2	12/07/98	99.77	17.51	82.26	**12,300**	341	<751 f	**2,260**	730	549	**2,130**	---	<20 f	---	---	---	1.74	<20.0 f	<20.0 f	<20.0 f	**119 i**
AGW-2	07/19/99	99.77	13.65	86.12	85	<250	<752 f	**33.9**	4.78	4.52	2.1	---	---	---	---	---	<1	3.17	ND	ND	ND
AGW-2	11/05/99	99.77	16.92	82.85	111	<250	<500	**15.4**	0.618	1.97	<1.00	---	<1.0	---	---	---	<1.0	1.61	<1.00	<1.00	<5.00
AGW-2	06/16/00	99.77	14.32	85.45	<50.0	<250	<500	**8.06**	3.06	2.48	3.08	---	---	---	---	---	<1.0	2.10	<1.00	<1.00	<5.00
AGW-2	11/09/00	99.77	18.03	81.74	576	<250	<500	**9.18**	0.734	0.599	<1.00	---	---	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-2	02/15/01	99.77	18.87	80.90	**15,100**	341	<500	**2,500**	577	735	**1,520**	---	---	---	---		1.45	<1.00	<1.00	<1.00	<5.00
AGW-2	05/25/01	99.77	18.51	81.26	**25,400**	**880**	<500	**4,230**	**2,080**	**1,200**	**3,410**	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-2	10/12/01	99.77	19.41	80.36	**995**	<250	<500	**195**	20	36.8	28.2	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-2	01/29/02	99.77	15.20	84.57	<50.0	<250	<500	**6.1**	3.23	3.08	7.9	---	<1.0	---	---	---	<1.0	1.78	<1.00	<1.00	<5.00
AGW-2	04/23/02	99.77	12.44	87.33	<50.0	<250	<500	2.3	1.32	0.683	2.84	---	---	---	---	---	<1.0	ND	ND	ND	ND
AGW-2	07/11/02	99.77	15.03	84.74	**1,000**	<250	<750 f	**91**	20	40	44	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<5
AGW-2	01/14/03	99.77	18.06	81.71	**35,000**	330	<500	**1,800**	**950**	940	**3,480**	<50 f	<50 f	**50**	---	---	<5.0	<50 f	<50 f	<50 f	<250 f
AGW-2	05/09/03	99.77	14.85	84.92	<250	<250	<500	2.8	2.8	1.2	1.7	<1.0 f	<1.0	<1.0	---	---	<5.0	1	<1	<1	<5
AGW-2	10/14/03	99.77	18.60	81.17	**870**	<250	<500	**130**	27	25	53	<1.0 f	<1.0	<1.0	---	---	---	<1	<1	<1	<5
AGW-2	03/26/04	99.77	14.21	85.56	<250	<250	<500	**90**	12	1.5	31	<1.0 f	<1.0	<1.0	---	---	---	<1	<1	<1	<5
AGW-2	09/28/05	99.77	15.47	84.30	**980**	<250	<500	**110**	19	11	40	<1.0 f	<1.0	<1.0	---	---	---	<1	<1	<1	<5
AGW-2	04/19/07	99.77	10.84	88.93	<50.0	<248	<495	<1.0	<1.0	<1.0	<3.0	---	---	<2.0	---	---	<1.0	**6.26**	ND	---	---
AGW-2 *	10/10/07	99.77	14.63	85.14	<250	<105	<105	<1.0	<1.0	<1.0	<3.0	<1.0 f	<1.0	<1.0	---	---	<2.0	<1.00	<1.00	<1.00	<5.00
AGW-2	04/03/08	99.77	14.61	85.16	<50	390	**720**	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	3.9	<1	<1	<1
AGW-2 *	10/14/08	99.77	17.91	81.86	<100	<100	<100	1.5	<1.0	<1.0	<2.0	<1.0 f	<0.50	<1.0	<10	<1.0	---	<1.0	<1.0	<1.0	<10 f
AGW-2 *	04/14/09	99.77	14.61	85.16	<100	<100	<100	<0.50	<0.50	<0.50	<0.50	---	---	<0..50	<10	<1.0	---	1.5	<0.50	<0.50	<0.50
AGW-2 *	12/30/09	286.19	15.41	270.78	<100	<100	360	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	---	---	---	---	---	---
AGW-2	06/22/10	286.19	12.37	273.82	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
AGW-2 *	12/08/10	286.19	14.88	271.31	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	---	---	---	---	---	---

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*		*LEAD*		*HVOCs*			
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*E*	*T*	*X*	*EDB*	*EDC*	*MTBE*	*TBA*	*Total*	*Dissolved*	*PCE*	*TCE*	*Chloroform*	*Methylene Chloride*
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	700	1000	1000	0.01	5	20	NE	15	15	5	5	7.2	5
AGW-3	08/25/94	100.00	22.47	77.53	**90,000**	**960**	<750 f	**5,300**	**12,000**	**2,700**	**15,000**	---	---	---	---	---	**24**	---	---	---	---
AGW-3	12/08/94	100.00	24.19	75.81	**40,000**	**1,100**	<750 f	**2,100**	**2,900**	**1,100**	**7,700**	---	<5.0	---	---	---	12	**27**	<5.0	<5.0	<25 f
AGW-3	04/28/95	100.00	22.24	77.76	**84,000**	**760**	<710 f	**3,300**	**8,000**	**2,600**	**13,000**	---	---	---	---	---	2.4	**6.9**	ND	ND	ND
AGW-3	12/06/95	100.00	23.08	76.92	**76,000**	**1,900**	<750 f	**3,600**	**6,300**	**1,600**	**10,000**	---	---	---	---	---	**39**	**13**	ND	ND	ND
AGW-3	04/02/96	100.00	19.58	80.42	**67,000**	**1,900 b**	<750 f	**2,300**	**7,400**	**1,300**	**11,000**	---	<10 f	---	---	---	---	<10 f	<10 f	<10 f	<50 f
AGW-3	07/31/96	100.00	19.50	80.50	**81,600**	**1,100 b**	<750 f	**2,120**	**5,760**	**1,130**	**10,800**	---	<5.0	---	---	---	**52.7**	<10.0 f	<10.0 f	<10.0 f	<50.0 f
AGW-3	10/22/96	99.71	20.60	79.11	**106,000**	**1,520**	<750 f	**2,890**	**10,800**	**2,120**	**15,300**	---	---	---	---	---	**84.7**	ND	ND	ND	ND
AGW-3	02/03/97	99.71	18.47	81.24	**51,600**	**757 b**	<750 f	**1,570**	**3,420**	**1,040**	**8,090**	---	<10 f	---	---	---	**25**	**11.0**	<10.0 f	<10.0 f	<50.0 f
AGW-3	03/31/98	99.71	18.10	81.61	**74,000**	**1,360**	<750 f	**1,120**	**4,550**	960	**11,500**	---	---	---	---	---	**20**	<10.0 f	<10.0	<10.0 f	**71.9 i**
AGW-3	06/15/98	99.71	18.84	80.87	**78,600**	**1,060 b**	<750 f	**1,870**	**5,260**	**1,400**	**12,100**	---	<40 f	---	---	---	**19**	<40.0 f	<40.0 f	<40.0 f	<400 f
AGW-3	09/25/98	99.71	21.03	78.68	**109,000**	**6,190 b**	<750 f	**3,050**	**8,480**	**1,830**	**12,900**	---	<10 f	---	---	---	**28.5**	<10.0 f	<10.0 f	<10.0 f	<50.0 f
AGW-3	12/07/98	99.71	22.27	77.44	**96,000**	**4,570**	<3,750 f	**4,100**	**4,840**	**2,420**	**13,600**	---	<20 f	---	---	---	**20.9**	<20.0 f	<20.0 f	<20.0 f	**123 i**
AGW-3	07/19/99	99.71	18.45	81.26	**59,400**	**1,320**	<750 f	**2,270**	**4,960**	**1,550**	**9,940**	---	---	---	---	---	**15.6**	ND	ND	ND	ND
AGW-3	11/05/99	99.71	20.85	78.86	**53,200**	**2,880**	<500	**3,550**	**5,850**	**1,840**	**11,200**	---	<10 f	---	---	---	**21.4**	<10.0 f	<10.0 f	<10.0 f	<50.0 f
AGW-3	06/16/00	99.71	19.08	80.63	**60,200**	**3,900**	<500	**1,010**	**5,280**	**1,880**	**11,300**	---	---	---	---	---	**19.6**	ND	ND	ND	ND
AGW-3	11/09/00	99.71	21.83	77.88	**54,800**	**1380**	<500	**3,080**	**4,760**	**1,890**	**10,300**	---	---	---	---	---	**18.4**	**7.36**	ND	ND	ND
AGW-3	02/15/01	99.71	23.22	76.49	**47,100**	**992**	<500	**2,490**	**2,270**	**1,440**	**10,100**	---	<1.0	---	---	---	**17.0**	**6.51**	<1.00	<1.00	<5.00
AGW-3	05/25/01	99.71	23.49	76.22	**28,200**	**1,370**	<500	**1,150**	313	485	**5,650**	---	<1.0	---	---	---	10.9	**6.91**	<1.00	<1.00	<5.00
AGW-3	01/29/02	99.71	22.91	76.80	**32,400**	**13,600**	**1,350**	**2,880**	**2,300**	**1,660**	**8,010**	---	<20 f	---	---	---	**47.2**	<20.0 f	<20.0 f	<20.0 f	<100 f
AGW-3	04/23/02	99.71	20.89	78.82	**78,200**	**1,630**	<500	**1,990**	**6,830**	**2,370**	**14,300**	---	---	---	---	---	**151**	ND	ND	ND	ND
AGW-3	07/11/02	99.71	20.45	79.26	**93,000**	**3,100**	<1,500 f	**470**	**2,500**	**1,300**	**5,700**	<25 f	<25 f	<25 f	---	---	**59.6**	<25	<25	<25	<120 f
AGW-3	01/14/03	99.71	23.29	76.42	**91,000**	<250	<500	**1,500**	**1,900**	**1,100**	**6,000**	<50 f	<50 f	**59**	---	---	**18**	<50 f	<50 f	<50 f	<250 f
AGW-3	05/09/03	99.71	21.76	77.95	**82,000**	**4,700**	<2,500 f	**2,700**	**6,400**	**2,200**	**11,500**	<100 f	<100 f	<100 f	---	---	**33.8**	<100 f	<100 f	<100 f	<500 f
AGW-3	10/14/03	99.71	23.08	76.63	**46,000**	**7,300**	<2,500 f	**1,700**	**2,500**	**1,400**	**7,100**	<100 f	<100 f	<100 f	---	---	**25.4**	<100 f	<100 f	<100 f	<500 f
AGW-3	03/26/04	99.71	21.29	78.42	**87,000**	**2,400**	**500**	**2,500**	**6,100**	**2,400**	**11,700**	<250 f	<250 f	<250 f	---	---	**39.6**	<250 f	<250 f	<250 f	**1,900**
AGW-3	10/28/04	99.71	23.11	76.60	**30,000**	**1,500**	<500	**1,900**	**2,500**	**1,300**	**7,000**	<250 f	<250 f	<250 f	---	---	**27.4**	<250 f	<250 f	<250 f	<1,200 f
AGW-3	03/16/05	99.71	22.17	77.54	**37,000**	**5,000**	<2,500 f	**1,700**	**3,200**	**1,500**	**8,600**	<25 f	<25 f	**70**	---	---	**25.3**	<25 f	<25 f	<25 f	<120 f
AGW-3	09/28/05	99.71	22.55	77.16	**46,000**	**976**	215	**1,100**	**3,400**	980	**7,200**	<250 f	<250 f	<250 f	---	---	**31.2**	<250 f	<250 f	<250 f	<1,200 f
AGW-3	03/29/06	99.71	20.91	78.80	**32,100**	**759**	<472	**491**	**2,050**	792	**6,170**	<0.20 f	<0.20 f	<1.0	---	---	**44.6**	1.75	<0.200	<0.200	<5.00
AGW-3 *	11/21/06	99.71	22.83	76.88	**26,600**	**2,530 b**	<538	**735**	**1,580**	755	**4,280**	<0.20 f	<0.20 f	<500 f	<5,000	---	13.3	4.37	<0.200	<0.200	<5.00
AGW-3	04/19/07	99.71	19.24	80.47	**41,600**	<248	<495	**120**	**964**	344	**8,080**	---	---	<2.0	--	---	12.4	2.29	4.30	---	---
AGW-3	10/10/07	99.71	22.94	76.77	<12,500 f	3.980 d,e	379	**888**	**3,940**	**2,220**	**12,900**	<50.0 f	<50.0 f	<50.0 f	--	---	19.8	<50.0 f	<50.0 f	<50.0 f	<250 f
AGW-3	04/03/08	99.71	21.50	78.21	**53,000**	**970**	<400	**1,300**	**6,300**	**2,700**	**14,800**	<50.0 f	<50.0 f	<50 f	--	---	**21.9**	<50 f	<50 f	<50 f	<50 f
AGW-3 *	10/14/08	99.71	23.05	76.66	**21,000**	**10,000**	<100	**520**	**1,200**	420	**4,800**	<20 f	<10 f	<20	<200	**215**	---	<20 f	<20 f	<20 f	<200 f
AGW-3 *	04/14/09	99.71	22.39	77.32	**40,000**	**73,000**	<840 e,f	**1,600**	**3,700**	**2,400**	**12,000**	---	---	**25**	<500	**82.5**	---	<1.4 h	<1.8 h	<4.3 h	<6.4 f,h
AGW-3 *	12/30/09	286.16	23.03	263.13	**24,000**	**10,000 g**	<100	**1,500**	**1,300**	**1,400**	**5,400**	<0.010	<100 f	<100 f	<2000	---	---	<100 f	<100 f	<100 f	<200 f
AGW-3 *	06/22/10	286.16	20.40	265.76	**23,000**	**11,000 g**	190	**76**	280	510	**7,200**	<0.010	<50 f	<50 f	<1000	---	---	<50 f	<50 f	<50 f	<100 f
AGW-3 *	12/08/10	286.16	21.85	264.31	**50,000**	**24,000 g**	<500	**1,000**	**2,300**	**2,700**	**14,000**	<0.010	<100 f	<100 f	<2000	---	---	<100 f	<100 f	<100 f	<200 f

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES		LEAD		HVOCs			
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*E*	*T*	*X*	*EDB*	*EDC*	*MTBE*	*TBA*	*Total*	*Dissolved*	*PCE*	*TCE*	*Chloroform*	*Methylene Chloride*
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	700	1000	1000	0.01	5	20	NE	15	15	5	5	7.2	5
AGW-4	08/25/94	100.32	18.62	81.70	290	410	<750 f	**8.2**	2.2	13	9.4	---	---	---	---	---	<2.0	---	---	---	---
AGW-4	12/07/94	100.32	19.37	80.95	**1,600**	430	590	**37**	22	64	75	---	---	---	---	---	<2.0	---	---	---	---
AGW-4	04/28/95	100.32	12.99	87.33	**2,700**	300	<710 f	**80**	130	240	130	---	---	---	---	---	<3.0	---	---	---	---
AGW-4	06/19/95	100.32	14.24	86.08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-4	12/06/95	100.32	13.42	86.90	420	<250	<750 f	**6.0**	2.0	27	11	---	---	---	---	---	<2.0	---	---	---	---
AGW-4	04/02/96	100.32	10.86	89.46	**1,400**	290	<750 f	**41**	12	170	27	---	---	---	---	---	---	---	---	---	---
AGW-4	07/31/96	100.32	11.92	88.40	**1,220**	359	<750 f	**38.1**	16.3	133	24.5	---	<0.50	---	---	---	<2.0	<1.00	<1.00	<1.00	<5.00
AGW-4	10/22/96	100.00	12.68	87.32	**1,580**	<250	<750 f	**34.7**	31.8	170	63.5	---	---	---	---	---	<2.0	ND	ND	ND	ND
AGW-4	02/03/97	100.00	8.77	91.23	572	<250	<750 f	**24.1**	5.81	93.2	8.89	---	<1.0	---	---	---	<2.0	<1.00	<1.00	<1.00	<5.00
AGW-4	03/31/98	100.00	9.02	90.98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-4	06/15/98	100.00	10.38	89.62	150	<250	<750 f	<2.00	<0.500	9.89	<1.0	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<10.0 f
AGW-4	09/25/98	100.00	14.52	85.48	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-4	12/07/98	100.00	10.57	89.43	<50.0	275	**750**	0.652	<0.500	0.93	<1.0	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-4	07/19/99	100.00	9.80	90.20	492	251	<750 f	<2.50	<2.50	111	<5.00	---	---	---	---	---	<1.0	ND	ND	ND	ND
AGW-4	11/05/99	100.00	13.69	86.31	120	**563**	<500	<0.500	<0.500	0.99	<1.0	---	<1.0	---	---	---	<5.59	<1.00	<1.00	<1.00	<5.00
AGW-4	06/16/00	100.00	10.67	89.33	315	<250	<500	0.159	3.33	40.6	<1.25	---	---	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-4	11/09/00	100.00	14.40	85.60	85.7	<250	<500	<0.500	0.831	0.74	<1.0	---	---	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-4	02/15/01	100.00	14.44	85.56	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.0	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-4	05/25/01	100.00	13.7	86.30	86.9	<250	<500	<0.500	<0.500	12	<1.0	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-4	10/12/01	100.00	16.46	83.54	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.0	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-4	01/29/02	100.00	9.08	90.92	236	<250	<500	0.669	<0.500	17.1	1.26	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-4	04/23/02	100.00	9.26	90.74	<50.0	<250	<500	<0.500	<0.500	0.561	<1.0	---	---	---	---	---	<1.0	ND	ND	ND	ND
AGW-4	07/11/02	100.00	10.69	89.31	<250	<250	<750 f	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<5
AGW-4	01/14/03	100.00	10.96	89.04	<250	**1,200**	**840**	<1.0	<1.0	1.9	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<5
AGW-4	05/09/03	100.00	9.75	90.25	<250	<250	<500	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<5
AGW-4	10/14/03	100.00	15.13	84.87	<250	<250	<500	<1.0	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
AGW-4	03/26/04	100.00	9.24	90.76	<250	<250	<500	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	---	<1	<1	<1	<5
AGW-4	09/28/05	100.00	10.49	89.51	<250	<250	<500	<1.0	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
AGW-5	04/28/95	100.11	18.09	82.02	<100	<240	<710 f	<0.50	0.55	<0.50	0.86	---	---	---	---	---	<3.0	---	---	---	---
AGW-5	06/19/95	100.11	19.12	80.99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-5	12/06/95	100.11	19.87	80.24	240	<250	<750 f	**7.8**	3.5	13	22	---	---	---	---	---	<2.0	---	---	---	---
AGW-5	04/02/96	100.11	16.64	83.47	630	<250	<750 f	**8.7**	63	15	120	---	---	---	---	---	---	---	---	---	---
AGW-5	07/31/96	100.11	17.48	82.63	<50	<250	<750 f	1.39	0.89	0.986	3	---	<0.50	---	---	---	<2.0	1.23	<1.00	<1.00	<5.00
AGW-5	10/22/96	99.58	18.41	81.17	**1,910**	<250	<750 f	**19.1**	179	33.3	287	---	---	---	---	---	<2.0	ND	ND	ND	ND
AGW-5	02/03/97	99.58	14.68	84.90	<50	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	<1.00	---	---	---	<2.0	<1.00	<1.00	<1.00	<5.00
AGW-5	03/31/98	99.58	14.93	84.65	<50	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	<1.0	ND	ND	ND	ND

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*		*LEAD*		*HVOCs*			
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***E***	***T***	***X***	***EDB***	***EDC***	***MTBE***	***TBA***	***Total***	***Dissolved***	***PCE***	***TCE***	***Chloroform***	***Methylene Chloride***
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	700	1000	1000	0.01	5	20	NE	15	15	5	5	7.2	5
AGW-5	06/15/98	99.58	16.85	82.73	<50	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<10.0 f
AGW-5	09/25/98	99.58	19.35	80.23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-5	12/07/98	99.58	19.59	79.99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-5	07/19/99	99.58	16.85	82.73	<50.0	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	<1.0	ND	ND	ND	ND
AGW-5	11/05/99	99.58	19.43	80.15	<50.0	<250	<500	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-5	06/16/00	99.58	17.07	82.51	<50.0	<250	<500	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-5	11/09/00	99.58	20.38	79.20	<50.0	<250	<500	<0.50	<0.50	<0.50	<1.0	---	---	---	<10	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-5	02/15/01	99.58	20.57	79.01	<50.0	<250	<500	<0.50	<0.50	<0.50	1.32	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-5	05/25/01	99.58	19.68	79.90	<50.0	<250	<500	<0.50	<0.50	<0.50	1.32	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-5	10/12/01	99.58	20.93	78.65	<50.0	<250	<500	<0.50	<0.50	<0.50	<1.00	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-5	01/29/02	99.58	17.47	82.11	<50.0	<250	<500	<0.50	<0.50	<0.50	<1.00	---	<1.0	---	<10	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-5	04/23/02	99.58	13.96	85.62	<50.0	<250	<500	<0.50	<0.50	<0.50	<1.00	---	---	---	---	---	<1.0	ND	ND	ND	ND
AGW-5	07/11/02	99.58	17.86	81.72	<250	<250	<750 f	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<5
AGW-5	01/14/03	99.58	20.27	79.31	<250	<250	<500	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<5
AGW-5	05/09/03	99.58	17.58	82.00	<250	<250	<500	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<5
AGW-6	04/28/95	100.32	9.25	91.07	390	<240	<710 f	1.2	2.7	11	17	---	---	---	---	---	<3.0	---	---	---	---
AGW-6	06/19/95	100.32	11.1	89.22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-6	12/06/95	100.32	10.63	89.69	**2,100**	<250	<750 f	**8.0**	15.0	36	92	---	---	---	---	---	<2.0	---	---	---	---
AGW-6	04/02/96	100.32	8.53	91.79	290	<250	<750 f	1.2	3	11	15	---	---	---	---	---	---	---	---	---	---
AGW-6	07/31/96	100.32	9.87	90.45	152	<250	<750 f	1.46	2.65	8.32	8.89	---	<0.50	---	---	---	<2.0	<1.00	<1.00	<1.00	<5.00
AGW-6	10/22/96	99.81	10.81	89.00	<50	<250	<750 f	<0.50	0.515	0.941	<1.00	---	---	---	---	---	<2.0	ND	ND	ND	ND
AGW-6	02/03/97	99.81	6.69	93.12	694	<250	<750 f	2.53	6.17	18.4	36.5	---	<1.0	---	---	---	<2.0	<1.00	<1.00	<1.00	<5.00
AGW-6	03/31/98	99.81	7.85	91.96	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-6	06/15/98	99.81	9.33	90.48	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-6	09/25/98	99.81	14.09	85.72	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-6	12/07/98	99.81	9.83	89.98	146	<250	<750 f	0.69	1.48	1.41	7	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-6	07/19/99	99.81	8.95	90.86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-6	11/05/99	99.81	13.63	86.18	---	---	---	---	---	---	---	---	---	---		---	---	---	---	---	---
AGW-6	06/16/00	99.81	15.98	83.83	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-6	11/09/00	99.81	14.12	85.69	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-6	02/15/01	99.81	13.33	86.48	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-6	05/25/01	99.81	12.74	87.07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-6	10/12/01	99.81	15.96	83.85	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-6	01/29/02	99.81	7.67	92.14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-6	07/11/02	99.81	9.47	90.34	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-6	01/14/03	99.81	14.52	85.29	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-6	05/09/03	99.81	8.58	91.23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*		*LEAD*		*HVOCs*			
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***E***	***T***	***X***	***EDB***	***EDC***	***MTBE***	***TBA***	***Total***	***Dissolved***	***PCE***	***TCE***	***Chloroform***	***Methylene Chloride***
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	700	1000	1000	0.01	5	20	NE	15	15	5	5	7.2	5
AGW-6	04/03/08	99.81	9.29	90.52	<50.0	<250	<400	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<1
AGW-6 *	10/14/08	99.81	14.88	84.93	<100	<100	<100	<0.50	<1.0	<1.0	<2.0	<1.0 f	<0.50	<1.0	<10	2.31	---	<1.0	<1.0	<1.0	<10 f
AGW-6 *	04/14/09	99.81	8.70	91.11	<100	<100	<100	<0.50	<0.50	0.10	<0.50	---	---	<0.50	<10	<1.0	---	<0.50	<0.50	<0.50	<0.50
AGW-6 *	12/30/09	286.25	9.51	276.74	<100	<100	250	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	---	---	---	---	---	---
AGW-6	06/22/10	286.25	8.67	277.58	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
AGW-6	12/08/10	286.25	10.30	275.95	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	---	---	---	---	---	---
AGW-7	04/28/95	100.79	16.17	84.62	**51,000**	**830**	<710 f	**200**	90	**1,600**	**5,600**	---	---	---	---	---	6	ND	ND	ND	<31 i
AGW-7	06/19/95	100.79	16.80	83.99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-7	12/06/95	100.79	17.81	82.98	**7,600**	380	<750 f	**740.0**	65.0	550	290	---	---	---	---	---	<2.0	ND	ND	ND	ND
AGW-7	04/02/96	100.79	13.99	86.80	**8,700**	**1,100 b**	<750 f	**440**	60	240	200	---	---	---	---	---	---	ND	ND	ND	ND
AGW-7	07/31/96	100.79	15.11	85.68	**8,010**	**696 b**	<750 f	**175**	105	165	541	---	<0.50	---	---	---	4.8	<1.00	<1.00	<1.00	<5.00
AGW-7	10/22/96	100.40	16.54	83.86	**16,100**	**953**	<750 f	**139**	38	445	616	---	<1.0	---	---	---	5.82	<2.00	<2.00	<2.00	<10.0 f
AGW-7	02/03/97	100.40	12.38	88.02	**7,350**	255 b	<750 f	**181**	8.62	179	448	---	<1.0	---	---	---	2.77	<1.00	<1.00	<1.00	<5.00
AGW-7	03/31/98	100.40	13.72	86.68	**10,600**	353	<750 f	**117**	31.6	335	864	---	---	---	---	---	3.64	<5.00	<5.00	<5.00	ND
AGW-7	06/15/98	100.40	14.92	85.48	**20,800**	**513 b**	<750 f	**140**	535	655	**2,130**	---	<10	---	---	---	4.89	<10.0 f	<10.0 f	<10.0 f	**114 i**
AGW-7	09/25/98	100.40	18.08	82.32	**12,400**	**568 b**	<750 f	**218**	85.6	514	**1,220**	---	<1.0	---	---	---	4.25	<1.00	<1.00	<1.00	<5.00
AGW-7	12/07/98	100.40	18.64	81.76	**43,500**	**5,180**	**828**	**136**	<50.0	804	**2,700**	---	<20	---	---	---	3.47	<20.0 f	<20.0 f	<20.0 f	<100 f
AGW-7	07/19/99	100.40	14.52	85.88	**36,600**	**3,840**	<750 f	<80.0 f	<32.0	448	**1,980**	---	---	---	---	---	3.058	ND	ND	ND	ND
AGW-7	11/05/99	100.40	17.64	82.76	**15,200**	**2,120**	<500	**156**	64.8	538	**1,180**	---	<10	---	---	---	3.87	<10.0 f	<10.0 f	<10.0 f	<50.0 f
AGW-7	06/16/00	100.40	15.19	85.21	**61,200**	**2,480**	**795**	**30.4**	14.2	29.4	197	---	---	---	---	---	6.35	<1.00	<1.00	<1.00	**85.1 i**
AGW-7	11/09/00	100.40	18.75	81.65	**17,000**	**1,260**	<500	**207**	120	477	**1,000**	---	---	---	---	---	5.16	<1.00	<1.00	<1.00	<5.00
AGW-7	02/15/01	100.40	19.87	80.53	**21,500**	**6,620**	<500	<40.0 f	<15.8	301	**1,420**	---	<1.0	---	---	---	3.28	<1.00	<1.00	<1.00	<5.00
AGW-7	05/25/01	100.40	20.03	80.37	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-7	10/12/01	100.40	21.96	78.44	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-7	01/29/02	100.40	16.59	83.81	**18,000**	**3,690**	**953**	**145**	135	253	**1,180**	---	<20	---	---	---	4.92	<20.0 f	<20.0 f	<20.0 f	<100 f
AGW-7	04/23/02	100.40	15.26	85.14	**30,600**	448	<500	**59.3**	484	547	**4,220**	---	---	---	---	---	9.17	ND	ND	ND	ND
AGW-7	07/11/02	100.40	15.89	84.51	**28,000**	**960**	<750 f	**44**	430	490	**2,210**	<5.0 f	<5.0	<5.0	---	---	<5.0	<5	<5	<5	<25 f
AGW-7	01/14/03	100.40	18.86	81.54	**5,300**	<250	<500	**12**	9.7	35	100	<5.0 f	<5.0	<5.0	---	---	<5.0	<5	<5	<5	<25 f
AGW-7	05/09/03	100.40	15.91	84.49	**9,400**	**880**	<500	<25 f	31	<25	530	<25 f	<25 f	<25	---	---	<5.0	<25 f	<25 f	<25 f	<120 f
AGW-7	10/14/03	100.40	19.24	81.16	**12,000**	**1,400**	<500	**150**	580	290	790	<5.0 f	<5.0	<5.0	---	---	---	<5	<5	<5	<25 f
AGW-7	03/26/04	100.40	15.14	85.26	**1,000**	<250	<500	4.8	2.3	5.2	21	<1.0 f	<1.0	<1.0	---	---	---	<1	<1	<1	<5
AGW-7	09/28/05	100.40	16.42	83.98	**3,400**	**2,300**	**1,800**	**81**	52	260	319	<10 f	<10	<10	---	---	---	<10 f	<10 f	<10 f	<50 f
AGW-7	04/19/07	100.40	13.14	87.26	827	<248	<495	<1.0	<1.0	<1.0	3.12	---	---	<2.0	---	---	<1.0	ND	ND	---	---
AGW-7 *	10/10/07	100.40	16.86	83.54	<2,500 f	**1,720 d,e**	<111	**66.2**	62.6	484	895	<5.0 f	<5.0	<5.0	---	---	2.59	<5.00	<5.00	<5.00	<25.0 f
AGW-7	04/03/08	100.40	15.89	84.51	**1,300**	<250	<400	<1.0	<1.0	11	8.1	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<1
AGW-7 *	10/14/08	100.40	18.92	81.48	**13,000**	**6,900**	<100	**47**	71	640	**1,180**	<10 f	<5.0	<10	<100	4.69	---	<10 f	<10 f	<10 f	<100 f
AGW-7 *	04/14/09	100.40	16.02	84.38	**1,300**	**1,300**	<120	<0.50	<0.50	9.3	7.3	---	---	<0.50	<10	<1.0	---	<0.50	<0.50	<0.50	<0.50

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*		*LEAD*		*HVOCs*			
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***E***	***T***	***X***	***EDB***	***EDC***	***MTBE***	***TBA***	***Total***	***Dissolved***	***PCE***	***TCE***	***Chloroform***	***Methylene Chloride***
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	700	1000	1000	0.01	5	20	NE	15	15	5	5	7.2	5
AGW-7 *	12/30/09	286.80	16.61	270.19	**3,600**	**1,500 g**	290 g	<0.50	17	<1.0	13	<0.010	---	<1.0	<10	---	---	---	---	---	---
AGW-7	06/22/10	286.80	14.80	272.00	**6,600 g**	110 g	<100	<0.50	1.7	<1.0	1.6	<0.010	---	---	---	---	---	---	---	---	---
AGW-7 *	12/08/10	286.80	16.02	270.78	**6,000 g**	**1,000 g**	<100	1.6	19	1.2	13	<0.010	---	<0.50	<10	---	---	---	---	---	---
AGW-8	04/28/95	100.74	15.75	84.99	120	<240	<710 f	2	1.2	8.4	3.7	---	---	---	---	---	<3.0	---	---	---	---
AGW-8	06/19/95	100.74	16.53	84.21	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-8	12/06/95	100.74	17.33	83.41	190	<250	<750 f	3.5	1.9	7.7	15	---	---	---	---	---	<2.0	---	---	---	---
AGW-8	04/02/96	100.74	11.86	88.88	250	<250	<750 f	2.8	22	6.9	54	---	---	---	---	---	---	---	---	---	---
AGW-8	07/31/96	100.74	14.05	86.69	161	<250	<750 f	1.65	12.7	4.4	27	---	<0.50	---	---	---	<2.0	1.95	<1.00	<1.00	<5.00
AGW-8	10/22/96	100.41	15.89	84.52	<50	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	<2.0	<1.00	<1.00	<1.00	<5.00
AGW-8	02/03/97	100.41	10.13	90.28	<50	<250	<750 f	**6.44**	1.39	0.5	2.13	---	<1.0	---	---	---	<2.0	<1.00	<1.00	<1.00	<5.00
AGW-8	03/31/98	100.41	11.04	89.37	<50	<250	<750 f	3.04	0.516	<0.50	2.25	---	---	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-8	06/15/98	100.41	13.98	86.43	<51	<251	<751 f	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<2.0	<1.00	<1.00	<1.00	**16.9 i**
AGW-8	09/25/98	100.41	17.55	82.86	<52	<252	<752 f	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<3.0	<1.00	<1.00	<1.00	<5.00
AGW-8	12/07/98	100.41	16.18	84.23	<50.0	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-8	07/19/99	100.41	12.80	87.61	<50.0	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	<1.0	ND	ND	ND	ND
AGW-8	11/05/99	100.41	17.10	83.31	<50.0	<250	<500	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<1.52	<1.00	<1.00	<1.00	<5.00
AGW-8	06/16/00	100.41	12.85	87.56	68.2	<250	<500	**10.1**	1.43	<0.50	<1.8	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-8	11/09/00	100.41	18.52	81.89	245	<250	<500	**55.2**	8.89	0.716	4.30	---	---	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-8	02/15/01	100.41	19.07	81.34	**996**	<250	<500	**470**	<5.00	<5.00	<10.0	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-8	05/25/01	100.41	18.48	81.93	167	<250	<500	**63**	<5.00	<5.00	<10.0	---	<1.0	---	---	---	---	<1.00	<1.00	<1.00	<5.00
AGW-8	10/12/01	100.41	20.37	80.04	153	<250	<500	**14.5**	<0.50	0.651	3.82	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-8	01/29/02	100.41	15.14	85.27	<50.0	<250	<500	4.30	<5.0	<5.0	1.05	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-8	04/23/02	100.41	12.80	87.61	<50.0	<250	<500	<0.50	<0.50	<0.50	1.10	---	---	---	---	---	<1.0	ND	ND	ND	ND
AGW-8	07/11/02	100.41	15.18	85.23	<250	<250	<750 f	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<5
AGW-8	01/14/03	100.41	18.00	82.41	<250	<250	<500	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	1.3	---	---	<5.0	<1	<1	<1	<5
AGW-8	05/09/03	100.41	15.04	85.37	<250	**950**	<500	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<5
AGW-8	10/14/03	100.41	19.25	81.16	<250	**950**	<500	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	---	<1	<1	<1	<5
AGW-8	03/26/04	100.41	12.51	87.90	<250	<250	<500	**230**	1.2	<1.0	3	<1.0 f	<1.0	**41**	---	---	---	<1	<1	<1	<5
AGW-8	10/28/04	100.41	18.47	81.94	<250	<250	---	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	---	<1	<1	<1	<5
AGW-8	03/16/05	100.41	15.67	84.74	<250	<250	<500	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	---	<1	<1	<1	<5
AGW-8	09/28/05	100.41	13.77	86.64	<250	<250	<500	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	---	<1	<1	<1	<5
AGW-8	03/29/06	100.41	14.43	85.98	589	<236	<472	**8.87**	<0.2	<0.2	<0.5	<0.20 f	<0.20	<1.0	---	---	---	<0.200	<0.200	<0.200	<5.00
AGW-8 *	11/21/06	100.41	17.25	83.16	<50.0	<236	<472	<0.50	<0.50	<0.50	<3.0	<0.20 f	<0.20	<5.00	89	---	<1.0	<0.200	<0.200	<0.200	<5.00
AGW-8	04/19/07	100.41	10.60	89.81	221	<248	<495	**73.4**	<1.0	<1.0	9.86	---	---	<2.0	---	---	<1.0	ND	ND	---	---
AGW-8 *	10/10/07	100.41	14.42	85.99	<250	<103	<103	4.21	<1.0	<1.0	<3.00	<1.0 f	<1.0	<1.0	---	---	<2.0	2.85	<1.00	<1.00	<5.00
AGW-8	04/03/08	100.41	15.70	84.71	<50.0	<250	<400	<1.0	<1.0	<1.0	<1.00	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<1
AGW-8 *	10/14/08	100.41	18.85	81.56	<100	<100	<100	<0.50	<1.0	<1.0	<2.0	<1.0 f	<0.50	<1.0	320	<1.00	---	<1.0	<1.0	<1.0	<10 f

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*		*LEAD*		*HVOCs*			
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***E***	***T***	***X***	***EDB***	***EDC***	***MTBE***	***TBA***	***Total***	***Dissolved***	***PCE***	***TCE***	***Chloroform***	***Methylene Chloride***
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	700	1000	1000	0.01	5	20	NE	15	15	5	5	7.2	5
AGW-8 *	04/14/09	100.41	15.42	84.99	<100	<100	<100	<0.50	<0.50	<0.50	<0.50	---	---	<0.50	85	<1.00	---	<0.50	<0.50	<0.50	<0.50
AGW-8 *	12/30/09	286.82	15.75	271.07	<100	<100	180	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	---	---	---	---	---	---
AGW-8	06/22/10	286.82	10.87	275.95	<100	<100	360	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
AGW-8 *	12/08/10	286.82	15.00	271.82	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	---	---	---	---	---	---
AGW-9	06/20/95	102.09	23.44	78.65	**1,200**	390	**870**	**500**	8.1	6.3	250	---	---	---	---	---	4.3	**9.9**	3.5	ND	ND
AGW-9	12/06/95	102.09	24.67	Dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-9	04/02/96	102.09	20.73	81.36	**5,000**	250 b	<750 f	**650**	230	190	690	---	<0.50	---	---	---	---	**34**	**6.5**	<1.0	<5.0
AGW-9	07/31/96	102.09	20.94	81.15	**2,840**	339 b	<750 f	**472**	114	114	360	---	<0.50	---	---	---	---	**40.2**	4.71	<1.00	<5.00
AGW-9	10/22/96	101.26	21.73	79.53	389	289	<750 f	**58.9**	12.2	7.93	51.6	---	<0.50	---	---	---	<2.0	**30.3**	**6.01**	<1.00	<5.00
AGW-9	02/03/97	101.26	18.95	82.31	**4,090**	<250	<750 f	**453**	146	148	551	---	<1.0	---	---	---	<2.0	**37.7**	**5.53**	<1.00	<5.00
AGW-9	03/31/98	101.26	18.86	82.40	**2,120**	<250	<750 f	**463**	73.0	143	247	---	---	---	---	---	<1.0	**64.9**	<10.0 f	<10.0 f	<50.0 f
AGW-9	06/15/98	101.26	19.70	81.56	**2,180**	<251	<751 f	**547**	71.2	176	243	---	<10	---	---	---	<2.0	**70.9**	<10.0 f	<10.0	**166 i**
AGW-9	09/25/98	101.26	22.36	78.90	765	<252	<752 f	**484**	6.46	113	45.4	---	<1.0	---	---	---	<3	**11.8**	2.60	<1.00	<5.00
AGW-9	12/07/98	101.26	23.50	77.76	374	401	<750 f	**270**	<2.50	73.8	12	---	<1.0	---	---	---	<1.0	**7.12**	2.50	<1.00	<5.00
AGW-9	07/19/99	101.26	19.40	81.86	507	<250	<750 f	**98.0**	5.18	33.1	19	---	---	---	---	---	<1.0	**51.3**	**5.74**	ND	ND
AGW-9	11/05/99	101.26	21.95	79.31	<50.0	<250	<500	**15.4**	<0.50	2.61	<1.0	---	<1.0	---	---	---	<1.0	**10.9**	4.97	<1.00	<5.00
AGW-9	06/16/00	101.26	20.08	81.18	548	<250	<500	**154**	9.01	43.8	8.38	---	<10 f	---	---	---	<1.0	**64.0**	<10.0 f	<10.0 f	**113 i**
AGW-9	11/09/00	101.26	23.18	78.08	120	<250	<500	**31.8**	1.67	1.35	2.54	---	---	---	---	---	<1.0	**24.0**	**6.12**	ND	ND
AGW-9	02/15/01	101.26	Dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-9	05/25/01	101.26	Dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-9	10/12/01	101.26	Dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-9	01/29/02	101.26	23.64	77.62	**1,010**	<250	<500	**378**	5.23	31.8	<10.0	---	<1.0	---	---	---	<1.0	**10.8**	**7.23**	<1.00	<5.00
AGW-9	04/23/02	101.26	21.69	79.57	**1,010**	<250	<500	**152**	7.01	11.6	9.04	---	---	---	---	---	<1.0	**61.6**	**8.53**	ND	ND
AGW-9	07/11/02	101.26	21.52	79.74	<250	<250	<750 f	**45**	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	**70**	**13**	<1	<5
AGW-9	01/14/03	101.26	24.42	76.84	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-9	05/09/03	101.26	22.66	78.60	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-9	10/14/03	101.26	24.16	77.10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-9	03/26/04	101.26	22.08	79.18	<1,200 f	<250	<500	**300**	47	44	45	<1.0 f	<1.0	<1.0	---	---	---	**43**	3.1	<1	<5
AGW-9	10/28/04	101.26	24.11	77.15	680	---	---	**180**	1	3.4	<1.0	---	---	---	---	---	---	---	---	---	---
AGW-9	03/16/05	101.26	22.99	78.27	**3,800**	<250	<500	**1,100**	86	190	101	---	---	---	---	---	---	---	---	---	---
AGW-9	09/28/05	101.26	23.68	77.58	**930**	<250	<500	**240**	<1.0	31	<1.0	---	---	---	---	---	---	---	---	---	---
AGW-9	03/29/06	101.26	21.74	79.52	**2,590**	<236	<472	**440**	53.2	66.1	36.4	---	---	<5.00	---	---	---	---	---	---	---
AGW-9	11/21/06	101.26	24.76	76.50	---	---	---	INSUFFICIENT WATER TO SAMPLE				---	---	---	---	---	---	---	---	---	---
AGW-9	04/19/07	101.26	20.00	81.26	**1,060**	<248	<495	**202**	16.5	24.5	18.7	---	---	<2.0	---	---	<1.0	**48.4**	3.85	---	---
AGW-9 *	10/10/07	101.26	23.66	77.60	<250	<111	<111	2.79	<1.0	<1.0	<3.0	<1.0 f	<1.0	<1.0	---	---	<1.0	**5.96**	3.58	**7.95**	<5.00
AGW-9	04/03/08	101.26	22.45	78.81	<50	<250	<400	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	**18**	1.8	<1	<1
AGW-9 *	10/14/08	101.26	24.15	77.11	<100	---	---	0.74	<1.0	<1.0	<1.0	<1.0 f	<0.50	<1.0	<10	---	---	3.1	2.3	<1.0	<10 f

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*		*LEAD*		*HVOCs*			
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***E***	***T***	***X***	***EDB***	***EDC***	***MTBE***	***TBA***	***Total***	***Dissolved***	***PCE***	***TCE***	***Chloroform***	***Methylene Chloride***
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	700	1000	1000	0.01	5	20	NE	15	15	5	5	7.2	5
AGW-9 *	04/14/09	101.26	23.22	78.04	<220	<100	<100	**38**	3.8	0.15	2.2	<0.50 f	<1.0	<0.50	<1.0	1.48	---	**9.4**	1.7	<0.50	<0.50
AGW-9 *	12/30/09	288.04	23.88	264.16	200	<100	<100	**28**	0.087 J	0.39 J	0.24 J	<0.010	<0.50	<0.50	<10	---	---	**10**	2.4	0.33 J	<1.0
AGW-9 *	06/22/10	288.04	21.21	266.83	790 g	240	<100	**180**	3.8	4.2	7.6	<0.010	<0.50	<0.50	<10	---	---	**20**	**5.6**	<0.50	<1.0
AGW-9 *	12/08/10	288.04	22.84	265.20	190 g	<100	<100	**23**	0.076 J	0.58	0.097 J	<0.010	<0.50	<0.50	<10	---	---	**5.7**	2.0	<0.50	<1.0
AGW-10	06/19/95	99.51	14.05	85.46	<100	<250	<750 f	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	3.0	ND	ND	ND	ND
AGW-10	12/06/95	99.51	15.09	84.42	<50	<250	<750	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	<2.0	---	---	---	---
AGW-10	04/02/96	99.51	10.65	88.86	<50	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	<1.0	<1.0	<1.0	<5.0
AGW-10	07/31/96	99.51	13.20	86.31	<50	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	<0.002	<1.00	<1.00	<1.00	<5.00
AGW-10	10/22/96	99.06	15.13	83.93	<50	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	<2.0	<1.00	<1.00	<1.00	<5.00
AGW-10	02/03/97	99.06	9.04	90.02	<50	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<2.0	<1.00	<1.00	<1.00	<5.00
AGW-10	03/31/98	99.06	10.87	88.19	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	06/15/98	99.06	11.27	87.79	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	09/25/98	99.06	16.07	82.99	<50	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-10	12/07/98	99.06	13.89	85.17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	07/19/99	99.06	11.90	87.16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	11/05/99	99.06	16.12	82.94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	06/16/00	99.06	18.20	80.86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	11/09/00	99.06	17.31	81.75	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	02/15/01	99.06	17.17	81.89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	05/25/01	99.06	16.50	82.56	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	10/12/01	99.06	18.29	80.77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	01/29/02	99.06	10.66	88.40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	04/23/02	99.06	10.63	88.43	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	07/11/02	99.06	13.29	85.77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	01/14/03	99.06	17.91	81.15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	05/09/03	99.06	12.21	86.85	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-10	10/10/07	99.06	14.28	84.78	---	---	---	<1.0	<1.0	<1.0	<3.0	<1.0 f	<1.0	<1.0	---	---	---	<1.00	<1.00	<1.00	<5.00
AGW-10	04/03/08	99.06	12.22	86.84	---	---	---	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	---	<1	<1	<1	<1
AGW-10 *	10/14/08	99.06	16.87	82.19	---	---	---	<0.50	<1.0	<1.0	<2.0	<1.0 f	<0.50	<1.0	<10	---	---	<1.0	<1.0	<1.0	<10 f
AGW-10 *	04/14/09	99.06	12.52	86.54	<100	<100	<100	<0.50	<0.50	<0.50	<0.50	---	---	<0.50	<10	<1.00	---	<0.50	<0.50	<0.50	<0.50
AGW-10 *	12/30/09	285.96	12.41	273.55	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	---	---	---	---	---	---
AGW-10	06/22/10	285.96	11.89	274.07	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
AGW-10*	12/08/10	285.96	13.57	272.39	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	---	---	---	---	---	---
AGW-11	06/20/95	101.61	22.75	78.86	<100	270	**710**	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	3.0	ND	ND	0.9	ND
AGW-11	12/06/95	101.61	22.84	78.77	<50	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	<2.0	ND	ND	2.2	ND
AGW-11	04/02/96	101.61	19.93	81.68	98	<250	<750 f	**10**	6.8	5.7	19	---	---	---	---	---	---	1.9	ND	1.3	ND

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*		*LEAD*		*HVOCs*			
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***E***	***T***	***X***	***EDB***	***EDC***	***MTBE***	***TBA***	***Total***	***Dissolved***	***PCE***	***TCE***	***Chloroform***	***Methylene Chloride***
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	700	1000	1000	0.01	5	20	NE	15	15	5	5	7.2	5
AGW-11	07/31/96	101.61	19.97	81.64	<50	<250	<750 f	3.22	1.87	2.02	5.86	---	<0.50	---	---	---	<0.002	1.06	<1.00	2.75	<5.00
AGW-11	10/22/96	101.36	22.60	78.76	<50	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	<2.0	<1.00	<1.00	2.00	<5.00
AGW-11	02/03/97	101.36	18.13	83.23	<50	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<2.0	<1.00	<1.00	<1.00	<5.00
AGW-11	03/31/98	101.36	19.27	82.09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	06/15/98	101.36	21.04	80.32	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	09/25/98	101.36	23.46	77.90	<50	<250	<750 f	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-11	12/07/98	101.36	24.16	77.20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	07/19/99	101.36	24.78	76.58	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	11/05/99	101.36	23.45	77.91	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	06/16/00	101.36	24.01	77.35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	11/09/00	101.36	24.27	77.09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	02/15/01	101.36	24.31	77.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	05/25/01	101.36	Dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	10/12/01	101.36	Dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	01/29/02	101.36	22.96	78.40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	04/23/02	101.36	20.90	80.46	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	07/11/02	101.36	22.08	79.28	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	01/14/03	101.36	24.70	76.66	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	05/09/03	101.36	22.45	78.91	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-11	04/19/07	101.36	20.38	80.98	<50.0	<250	<500	<1.0	<1.0	<1.0	<3.0	---	---	<2.0	---	---	<1.0	ND	ND	---	---
AGW-11	10/10/07	101.36	24.49	76.87	---	---	---	<1.0	<1.0	<1.0	<3.0	<1.0 f	<1.0	<1.0	---	---	---	<1.00	<1.00	<1.00	<5.00
AGW-11	04/03/08	101.36	23.30	78.06	<50	<250	<400	<1.0	<1.0	<1.0	<1.0	<1.0 f	<1.0	<1.0	---	---	<5.0	<1	<1	<1	<1
AGW-11 *	10/14/08	101.36	24.52	76.84	---	---	Insufficent water -- no sample			---	---	---	---	---	---	---	---	---	---	---	---
AGW-11 *	04/14/09	101.36	23.30	78.06	<100	<100	<100	<0.50	<0.50	<0.50	<0.50	---	---	<0.50	<10	2.06	---	0.088	<0.50	0.11	<0.50
AGW-11 *	12/30/09	287.81	24.22	263.59	<100	<100	230	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	---	---	---	---	---	---
AGW-11	06/22/10	287.81	21.49	266.32	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
AGW-11	12/08/10	287.81	23.52	264.29	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	---	---	---	---	---	---
AGW-12	03/31/98	100.24	12.52	87.72	**16,600**	<250	<750 f	**884**	**1,300**	623	**2,060**	---	---	---	---	---	4.71	<10.0 f	<10.0 f	<10.0 f	**55.0 i**
AGW-12	06/15/98	100.24	14.30	85.94	**16,200**	287 b	<751 f	**836**	**1,170**	629	**2,010**	---	<10 f	---	---	---	6.98	<10.0 f	<10.0 f	<10.0 f	**182 i**
AGW-12	09/25/98	100.24	17.94	82.30	**16,900**	261 b	<750 f	**1,100**	**1,670**	732	**2,360**	---	<10 f	---	---	---	6.40	<10.0 f	<10.0 f	<10.0 f	<50.0 f
AGW-12	12/07/98	100.24	15.14	85.10	**15,000**	401 b	<750 f	**833**	**1,450**	643	**2,400**	---	<10 f	---	---	---	8.61	<10.0 f	<10.0 f	<10.0 f	<50.0 f
AGW-12	07/19/99	100.24	12.40	87.84	**25,100**	490	<750 f	**903**	**1,970**	907	**3,540**	---	---	---	---	---	5.84	ND	ND	ND	ND
AGW-12	11/05/99	100.24	16.83	83.41	**8,340**	**606**	<500	**679**	**767**	459	**1,530**	---	<10	---	---	---	1.52	<10.0 f	<10.0 f	<10.0 f	<50.0 f
AGW-12	06/16/00	100.24	12.30	87.94	**20,600**	388	<500	**811**	**2,050**	**1,050**	**4,050**	---	<1.0	---	---	---	4.16	<1.00	<1.00	<1.00	<5.00
AGW-12	11/09/00	100.24	16.97	83.27	**9,040**	<250	<500	**508**	557	398	**1,140**	---	---	---	---	---	2.98	ND	ND	ND	ND
AGW-12	02/15/01	100.24	16.13	84.11	**9,780**	<250	<500	**459**	**749**	534	**1,540**	---	<1.0	---	---	---	2.14	<1.00	<1.00	<1.00	<5.00
AGW-12	05/25/01	100.24	15.95	84.29	**11,000**	386	<500	**540**	**1,140**	721	**2,170**	---	<1.0	---	---	---	---	<1.00	<1.00	<1.00	<5.00

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*		*LEAD*		*HVOCs*			
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***E***	***T***	***X***	***EDB***	***EDC***	***MTBE***	***TBA***	***Total***	***Dissolved***	***PCE***	***TCE***	***Chloroform***	***Methylene Chloride***
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	700	1000	1000	0.01	5	20	NE	15	15	5	5	7.2	5
AGW-12	10/12/01	100.24	18.17	82.07	**13,200**	<250	<500	**315**	**1,050**	659	**2,190**	---	<1.0	---	---	---	<1.0	<1.00	<1.00	<1.00	<5.00
AGW-12	01/29/02	100.24	11.49	88.75	**11,900**	281	<500	**709**	**1,320**	847	**2,780**	---	<1.0	---	---	---	4	<1.00	<1.00	<1.00	<5.00
AGW-12	04/23/02	100.24	11.20	89.04	**18,600**	267	<500	**677**	**1,760**	940	**3,730**	---	---	---	---	---	4.74	ND	ND	ND	ND
AGW-12	07/11/02	100.24	12.21	88.03	**21,000**	**720**	<750 f	**440**	**1,000**	<10	<10	<10 f	<10 f	<10	---	---	<5.0	<10 f	<10 f	<10 f	<50 f
AGW-12	01/14/03	100.24	13.73	86.51	**7,400**	<250	<500	**140**	400	280	680	<5 f	<5	13	---	---	<5.0	<5	<5	<5	<25
AGW-12	05/09/03	100.24	11.59	88.65	**38,000**	<250	<500	**660**	**1,700**	**1,000**	**3,580**	<100 f	<100 f	<100 f	---	---	<5.0	<100 f	<100 f	<100 f	<500 f
AGW-12	10/14/03	100.24	17.36	82.88	**31,000**	**1,700**	<500	**510**	**3,300**	**1,100**	**4,280**	<100 f	<100 f	<100 f	---	---	---	<100 f	<100 f	<100 f	<500 f
AGW-12	03/26/04	100.24	11.31	88.93	**23,000**	**930**	<500	**580**	**1,600**	**1,000**	**2,940**	<50 f	<50 f	<50 f	---	---	---	<50 f	<50 f	<50	<250 f
AGW-12	10/28/04	100.24	16.56	83.68	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-12	03/16/05	100.24	12.68	87.56	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-12	09/28/05	100.24	16.29	83.95	**34,000**	**630**	<100	**510**	**2,000**	**1,600**	**4,370**	<50 f	<50 f	<50 f	---	---	---	<50 f	<50 f	<50 f	<250 f
AGW-12	03/29/06	100.24	11.41	88.83	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-12	11/21/06	100.24	13.07	87.17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AGW-12	04/19/07	100.24	10.11	90.13	**35,800**	301 b	<495	**428**	**2,440**	**1,710**	**5,870**	---	---	<2.0	---	---	3.32	ND	ND	---	---
AGW-12 *	10/10/07	100.24	14.02	86.22	<12,500 f	**1,840 d,e**	<103	**285**	**1,510**	**1,350**	**3,880**	<5.0 f	<5.0	<5.0	---	---	3.66	<5.00	<5.00	<5.00	<25.0 f
AGW-12	04/03/08	100.24	12.25	87.99	**30,000**	**700**	<400	**410**	**2,600**	**1,600**	**5,500**	<20 f	<20 f	<20	---	---	<5.0	<20 f	<20 f	<20 f	<20 f
AGW-12 *	10/14/08	100.24	17.10	83.14	**47,000**	**17,000**	<500	**430**	**3,000**	**2,000**	**6,600**	<25 f	<12 f	<25 f	<250	7.76	---	<25 f	<25 f	<25 f	<250 f
AGW-12 *	04/14/09	100.24	12.06	88.18	**37,000**	**15,000**	<100	**470**	**2,800**	**2,200**	**6,800**	---	---	<100 f	<2000	3.46	---	<5.5 f,h	<7.3 f,h	<17 f,h	<25 f,h
AGW-12 *	12/30/09	286.68	12.92	273.76	**15,000**	**4,200 g**	<100	**170**	**950**	**650**	**2,000**	---	---	<10	<100	---	---	---	---	---	---
AGW-12	06/22/10	286.68	11.43	275.25	**10,000**	**3,000 g**	<100	**47**	260	97	320	---	---	---	---	---	---	---	---	---	---
AGW-12	12/08/10	286.68	12.92	273.76	**18,000**	**7,700 g**	<100	**180**	600	760	**2,100**	---	---	<1.0	<10	---	---	---	---	---	---
AGW-13 *	12/30/09	288.56	26.71	261.85	**8,600**	**2,500 g**	<100	**36**	510	95	740	<0.010	<20 f	<20	2,200	---	---	<20 f	<20 f	**24**	<40 g
AGW-13 *	06/22/10	288.56	24.24	264.32	**17,000**	**4,200 g**	<100	**33**	740	110	**1,300**	<0.010	<10 f	<10	1,200	---	---	<10 f	<2.6 h	<1.8 h	<3.2 h
AGW-13 *	12/08/10	288.56	25.51	263.05	**18,000**	**5,900 g**	<100	**21**	510	77	820	<0.010	<10 f	<10	1,000	---	---	<10 f	<10 f	<10 f	<20 f
AGW-14 *	12/30/09	289.11	28.52	260.59	<100	<100	130	<0.5	<0.5	<0.5	<0.5	---	<0.5	<0.5	<10	---	---	0.54	<0.50	0.15	<1.0
AGW-14	06/22/10	289.11	22.71	266.40	<100	<100	490	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
AGW-14 *	12/08/10	289.11	27.14	261.97	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	---	---	---	---	---	---
SB-1	04/25/95	GRAB	--	--	<100	<240	<710	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
GW-241799-120909-JS-SB2	12/09/09	GRAB	--	--	290	<100	---	**69**	3.6	18	43	---	---	---	---	---	---	---	---	---	---

Notes:

DTW = Depth to Water in feet

GWE = Groundwater Elevation in feet relative to arbitrary benchmarks, until April 14, 2009, then above mean sea level

TOC = Top of Casing in feet relative to arbitrary benchmarks, until April 14, 2009, then above mean sea level

All results in µg/L unless otherwise indicated.

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
2805 SOUTHWEST ROXBURY STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES		LEAD		HVOCs			
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*E*	*T*	*X*	*EDB*	*EDC*	*MTBE*	*TBA*	*Total*	*Dissolved*	*PCE*	*TCE*	*Chloroform*	*Methylene Chloride*
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	700	1000	1000	0.01	5	20	NE	15	15	5	5	7.2	5

TPHg = Total petroleum hydrocarbons as gasoline analyzed by NWTPH-Gx unless otherwise noted. The higher value is based on the assumption that
no benzene is present in the groundwater sample. If any detectable amount of benzene is present in the groundwater sample, then the lower TPHg cleanup level is applicable.
TPHd = Total petroleum hydrocarbons as diesel, analyzed by NWTPH-Dx with silica gel cleanup unless otherwise noted
TPHo = Total petroleum hydrocarbons as oil, analyzed by NWTPH-Dx with silica gel cleanup unless otherwise noted
VOCs = Volatile organic compounds
BTEX = Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B unless otherwise noted
Xylenes = o-xylene + m,p-xylene
EDB = 1,2-Dibromoethane analyzed by EPA Method 8011
EDC = 1,2-Dichloroethane analyzed by EPA Method 8260B
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butanol analyzed by EPA Method 8260B
Total lead analyzed by EPA Method 6020
ND = Not detected above the laboratory reporting limits
Total Lead analyzed by EPA Method 6020
PCE = tetrachloroethene
TCE = trichloroethene
<x = Not detected at laboratory reporting limit x
--- = Not analyzed
Concentrations in bold type indicate the analyte was detected above MTCA Method A cleanup levels
* = Indicates well was additionally analyzed for Di-isopropyl ether, Ethyl tertiary-butyl ether, Tertiary-amyl methyl ether by EPA Method 8260B,
and/or carcinogenic polycyclic aromatic hydrocarbons (cPAHs) by EPA Method 8270C-SIM.See corresponding laboratory report forresults.
a = Light nonaqueous-phase liquid (LNAPL) was measured in AGW-1 at a thickness of 0.07, 0.12, 0.01, 0.04, 0.05 and 0.08 feet on 4/28/95, 6/19/95,
3/8/96, 4/2/96, 11/05/99 and 10/12/01, respectively. The groundwater elevation is corrected for LNAPL thickness using a specific gravity of 0.85.
b = Results in the diesel organics range are primarily due to overlap from a gasoline range product.
c = Sample filtered in the laboratory.
d = The primary contamination elutes between C8 and C16, which is in the kerosene range.
e = The contamination did not match any standard in the laboratory's library.
f = The laboratory reporting limit (RL) exceeds the MTCA Method A cleanup level.
g = The sample chromatographic pattern for TPH does not match the specified standard. Quantitation of the unknown hydrocarbons was based on the specified standard.
h = Laboratory dection limit was used in the table since reporting limit is above the MTCA Method A cleanup levels.
i = the GeoEngineers report providing this analytical data specifies that methylene chloride is a suspected laboratory contaminant.
J = Results were evaluated to the method detection limit (MDL), concentrations >= MDL but < RL, if found, are qualified with a "J" flag

APPENDIX A

ENVIRONMENTAL DOCUMENT LIST

Environmental Document List: 2805 Southwest Roxbury Street, Seattle, WA				
Title	Author	Date	Submitted to Ecology	
			Y/N	Date
Hydrocarbon Contamination Assessment	Applied Geotechnology, Inc.	7/6/1989	N	N/A
Compliance Sampling Results	EMCON Northwest Inc.	10/5/1993	Y	10/22/1993
Subsurface Site Investigation Report	GeoEngineers, Inc.	11/8/1994	Y	2/8/1995
December 1994 Groundwater Monitoring	GeoEngineers, Inc.	2/3/1995	Y	2/3/1995
Supplemental Environmental Services	GeoEngineers, Inc.	10/19/1995	Y	1/17/1996
Results of Ground Water Sampling December 1995	GeoEngineers, Inc.	2/27/1996	Y	3/12/1996
Results of Ground Water Monitoring and Sampling March, April and May 1996	GeoEngineers, Inc.	6/13/1996	Y	6/21/1996
Results of Ground Water Monitoring and Sampling July 1996	GeoEngineers, Inc.	10/8/1996	N	N/A
Results of Ground Water Monitoring and Sampling October 1996	GeoEngineers, Inc.	12/3/1996	Y	2/21/1997
Results of Ground Water Monitoring and Sampling February 1997	GeoEngineers, Inc.	3/13/1997	Y	4/21/1997
Report of SVE Pilot Test Results	GeoEngineers, Inc.	7/2/1997	N	N/A
Vacuum-Enhanced Recovery System - Pilot Test	GeoEngineers, Inc.	7/2/1997	N	N/A
Supplemental Environmental Drilling, Ground Water Sampling, and High Vacuum Ground Water Extraction Services - March and April 1998	GeoEngineers, Inc.	7/17/1998	Y	8/7/1998
Environmental Ground Water Monitoring and High Vacuum Ground Water Extraction Services - June 1998	GeoEngineers, Inc.	9/25/1998	Y	9/28/1998
Environmental Ground Water Monitoring and High Vacuum Ground Water Extraction Services - September/October 1998	GeoEngineers, Inc.	12/8/1998	Y	12/10/1998
Environmental Ground Water Monitoring and High Vacuum Ground Water Extraction Services - December 1998	GeoEngineers, Inc.	2/8/1999	Y	2/11/1999
Environmental Ground Water Monitoring November 1999	GeoEngineers, Inc.	1/31/2001	N	N/A
Environmental Ground Water Monitoring June and November 2000	GeoEngineers, Inc.	1/31/2001	N	N/A
Environmental Ground Water Monitoring February 2001	GeoEngineers, Inc.	3/8/2001	Y	3/8/2001
Environmental Ground Water Monitoring May 2001	GeoEngineers, Inc.	7/12/2001	Y	7/13/2001
Environmental Ground Water Monitoring Report	GeoEngineers, Inc.	6/12/2001	Y	7/13/2001
Environmental Ground Water Monitoring July and October 2001	GeoEngineers, Inc.	1/28/2002	Y	1/29/2002
Environmental Groundwater Monitoring January 2002	GeoEngineers, Inc.	4/4/2002	Y	4/9/2002
Groundwater Monitoring Report July 2002 Semi-annual Sampling Event	GeoEngineers, Inc.	11/18/2002	Y	11/20/2002
Groundwater Monitoring Report January 2003 Semi-annual Sampling Event	GeoEngineers, Inc.	3/19/2003	Y	3/20/2003
Groundwater Monitoring Report Second Quarter 2003	GeoEngineers, Inc.	6/6/2003	Y	6/17/2003
Groundwater Monitoring Report Fourth Quarter 2003	GeoEngineers, Inc.	3/30/2004	Y	4/16/2004

Environmental Document List: 2805 Southwest Roxbury Street, Seattle, WA				
Title	Author	Date	Submitted to Ecology	
			Y/N	Date
Groundwater Monitoring Report First Quarter 2004	GeoEngineers, Inc.	5/12/2004	Y	5/20/2004
Groundwater Monitoring Report Fourth Quarter 2004	GeoEngineers, Inc.	5/6/2005	Y	6/10/2005
Groundwater Monitoring Report First Quarter 2005	GeoEngineers, Inc.	6/20/2005	Y	7/5/2005
Groundwater Monitoring Report Third Quarter 2005	GeoEngineers, Inc.	10/31/2005	Y	11/2/2005
Groundwater Monitoring Report First Quarter 2006	GeoEngineers, Inc.	5/24/2006	Y	6/8/2006
Groundwater Monitoring Report - Fourth Quarter 2006	CRA	4/17/2007	Y	4/23/2007
Groundwater Monitoring Report - Second Quarter 2007	CRA	7/20/2007	Y	7/25/2007
Groundwater Monitoring Report - Fourth Quarter 2007	CRA	2/22/2008	Y	3/3/2008
Groundwater Monitoring Report - Second Quarter 2008	CRA	7/10/2008	Y	7/14/2008

APPENDIX B

LEGAL DESCRIPTION OF PROPERTY

Known Listing of Owners and Operators		
Owner	Business Operator	Approximate Years of Site Occupation
Northern Parcel		
Gull Industries, Inc.	Don's Office Machine Repair (in former building south of fuel dispensers)	1980-1985
Southern Parcel		
Henry W. Inc.	Shell Service Station	2009-Present
Equilon Enterprises, LLC.	Shell Service Station	1998-2009
Texaco Refining and Marketing, Inc.	Texaco Service Station	1988-1998
Gull Industries, Inc.	Gull Service Station	1965-1988
Washington State	Washington State Patrol	1957-1965

King County

Assessor information for parcel number 0123039481

Taxpayer name	**HENRY W INC**
Mailing address	**2805 SW ROXBURY ST SEATTLE WA 98126**
Address(es) at this parcel	**2805 SW ROXBURY ST 98126**

Parcel number	**0123039481**
Tax Account number	**012303948108**
Levy code	**3850**
Jurisdiction	**KING COUNTY**
Present use	**Conv Store with Gas**
Appraised value	**$856,000**

Legal description

S 90 FT OF N 205 FT OF E 170 FT OF E 1/2 OF W 1/2 OF NE 1/4 OF NW 1/4 LESS CO RD

Sales/Quit Claims/Transfers

Sale date	Sale price	Buyer	Seller	Excise tax number	Recording number	Instrument type	Sale reason
08-25-2009	$697,139	HENRY W INC	EQUILON ENTERPRISES LLC	2405529	20090825001435	Bargain and Sales Deed	None
06-26-1998	$0	EQUILON ENTERPRISES LLC	TEXACO REFINING AND MARKETING INC	1627121	199807231486	Special Warranty Deed	None

Parcel description

Property name	**Shell C-Store**	Plat name		Water system	**WATER DISTRICT**
Property type	**C - COMMERCIAL**	Plat block		Sewer system	**PUBLIC**
Present use	**Conv Store with Gas**	Plat lot		Access	**PUBLIC**
Lot area	**12,600 sq. ft. (0.29 acres)**	Q-S-T-R	**NW-1-23-3**	Street surface	**PAVED**

Commercial building description

Building	**1 of 3**	Building description	**C-Store W/Gas**
Year built	**1988**	Predominant use	**CONVENIENCE MARKET (419)**
Stories	**1**	Gross sq. ft.	**1,100**
Building quality	**GOOD**	Net sq. ft.	**1,100**
Construction class	**MASONRY**	Heating system	**WARMED AND COOLED AIR**
Building shape	**Rect or Slight Irreg**	Sprinklers	**N**
		Elevators	

Building	**2 of 3**	Building description	**CAR WASH**
Year built	**1988**	Predominant use	**GARAGE, SERVICE REPAIR (528)**
Stories	**1**	Gross sq. ft.	**738**
Building quality	**GOOD**	Net sq. ft.	**738**
Construction class	**MASONRY**	Heating system	**NO HEAT**
Building shape	**Rect or Slight Irreg**	Sprinklers	**N**
		Elevators	

Building	**3 of 3**	Building description	**STORAGE**
Year built	**1988**	Predominant use	**STORAGE WAREHOUSE (406)**
Stories	**1**	Gross sq. ft.	**98**
Building quality	**GOOD**	Net sq. ft.	**98**
Construction class	**MASONRY**	Heating system	**NO HEAT**
Building shape	**Rect or Slight Irreg**	Sprinklers	**N**
		Elevators	

Taxable value history

Tax year	Tax status	Taxable value reason	Appraised value	Taxable value
2010	TAXABLE	NONE OR UNKNOWN	$277,200 (land) + $578,800 (improvements) **$856,000** (total)	$277,200 (land) + $578,800 (improvements) **$856,000** (total)
2009	TAXABLE	NONE OR UNKNOWN	$277,200 (land) + $568,200 (improvements) **$845,400** (total)	$277,200 (land) + $568,200 (improvements) **$845,400** (total)
2008	TAXABLE	NONE OR UNKNOWN	$277,200 (land) + $555,900 (improvements) **$833,100** (total)	$277,200 (land) + $555,900 (improvements) **$833,100** (total)

Related resources

King County Assessor: Submit a request to correct information in this report
King County Assessor: eReal Property Report
King County Assessor: Quarter Section Map (PDF format requires Acrobat)
King County GIS: Property information FAQ
King County GIS: Districts and Development Conditions Report (a detailed report about the location of this property)
King County DDES: Permit Applications Report (for unincorporated areas only)
King County Treasury Operations: Property Tax Information for this property
King County Recorders Office: Excise Tax Affidavits Report
King County Recorders Office: Scanned images of plats.
King County Recorders Office: Scanned images of surveys and other map documents.
Open iMAP to this property (requires a high speed internet connection)
Open Parcel Viewer to this property (any connection speed, but less features than iMAP)

This report was generated on 2/17/2010 1:52:13 PM
Contact us at giscenter@kingcounty.gov.

King County

Assessor information for parcel number 0123039482

Taxpayer name	**HENRY W INC**
Mailing address	**2805 SW ROXBURY ST** **SEATTLE WA 98126**
Address(es) at this parcel	**None**

Parcel number	**0123039482**
Tax Account number	**012303948207**
Levy code	3850
Jurisdiction	**KING COUNTY**
Present use	**Vacant(Commercial)**
Appraised value	**$261,800**

Legal description

N 115 FT OF E 170 FT OF E 1/2 OF W 1/2 OF NE 1/4 OF NW 1/4 LESS CO RDS

Sales/Quit Claims/Transfers

Sale date	Sale price	Buyer	Seller	Excise tax number	Recording number	Instrument type	Sale reason
08-25-2009	$697,139	HENRY W INC	EQUILON ENTERPRISES LLC	2405529	20090825001435	Bargain and Sales Deed	None
06-26-1998	$0	EQUILON ENTERPRISES LLC	TEXACO REFINING AND MARKETING INC	1627121	199807231486	Special Warranty Deed	None

Parcel description

Property name	**VAC LAND**	Plat name		Water system	**WATER DISTRICT**
Property type	**C - COMMERCIAL**	Plat block		Sewer system	**PUBLIC**
Present use	**Vacant(Commercial)**	Plat lot		Access	**PUBLIC**
Lot area	**11,900 sq. ft. (0.27 acres)**	Q-S-T-R	**NW-1-23-3**	Street surface	**PAVED**

Taxable value history

Tax year	Tax status	Taxable value reason	Appraised value	Taxable value
2010	TAXABLE	NONE OR UNKNOWN	$261,800 (land) + $0 (improvements) **$261,800** (total)	$261,800 (land) + $0 (improvements) **$261,800** (total)
2009	TAXABLE	NONE OR UNKNOWN	$261,800 (land) + $0 (improvements) **$261,800** (total)	$261,800 (land) + $0 (improvements) **$261,800** (total)
2008	TAXABLE	NONE OR UNKNOWN	$261,800 (land) + $0 (improvements) **$261,800** (total)	$261,800 (land) + $0 (improvements) **$261,800** (total)

Related resources

King County Assessor: Submit a request to correct information in this report
King County Assessor: eReal Property Report
King County Assessor: Quarter Section Map (PDF format requires Acrobat)
King County GIS: Property information FAQ
King County GIS: Districts and Development Conditions Report (a detailed report about the location of this property)
King County DDES: Permit Applications Report (for unincorporated areas only)
King County Treasury Operations: Property Tax Information for this property
King County Recorders Office: Excise Tax Affidavits Report
King County Recorders Office: Scanned images of plats.
King County Recorders Office: Scanned images of surveys and other map documents.
Open iMAP to this property (requires a high speed internet connection)
Open Parcel Viewer to this property (any connection speed, but less features than iMAP)

This report was generated on 2/17/2010 2:27:43 PM
Contact us at giscenter@kingcounty.gov.

APPENDIX C

SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIVITIES

SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIVITIES

***1988 Underground Storage Tank Decommissioning*:** Between March and April 1988, Applied Geotechnology Inc, (AGI) completed underground storage tank (UST) decommissioning activities at the Property for Gull Industries, Inc (Gull) following the sale of the Property to Texaco Refining and Marketing, Inc (TRMI). The service station was remodeled following the UST removal activities and consisted of a service station building, a car wash, four gasoline and diesel USTs (one 12,000-gallon and three 10,000 gallon), and four dispenser islands.

In April 1988, AGI removed four fuel USTs (one 10,000-gallon, one 8,000-gallon, one 6,000-gallon and one 4,000-gallon), one heating oil UST (550-gallon), one previously unknown waste oil UST (200-gallon), and one concrete cistern containing 3 feet of water and 4 to 5 inches of a solvent-like compound. The 200-gallon waste oil UST was uncovered during the gasoline UST excavation, and was inadvertently punctured during removal activities, releasing less than 50 gallons of oil. The leaked oil was captured in absorbent pads. The concrete cistern was also uncovered during the gasoline UST excavation. Samples were collected from the material within the discovered concrete cistern (RX-1 and No. 1) and waste oil UST (RX-2 and No. 2). Analytical results indicated that the solvent-like substance was likely a petroleum-based solvent, possibly used for degreasing. Analytical results from the waste oil UST indicated the presence of polychlorinated biphenyls (PCBs), halogenated hydrocarbons, and high concentrations of lead.

Significant petroleum contamination was observed in soil in the vicinity of the dispenser islands, and in the eastern portion of the UST excavation. AGI collected eight soil samples during the UST removal activities and analyzed them for total petroleum hydrocarbons (TPH), total oil and grease, benzene, toluene, ethylbenzene, and xylenes (BTEX), total lead, chlorides, and PCBs. Soil samples were collected from the excavation extents (SS1, SS2, SS7, and SS8), adjacent to the drain field lines (SS4), the waste oil UST (SS5), and from the cistern (SS6). One sludge sample was collected from inside of one of the drain field pipes (SS3). The soil sample results indicated that xylenes exceeded MTCA Method A cleanup levels in two soil samples (SS-6 and SS-8). Soil sample depths were not provided within this report. TPH and total oil and grease were detected at concentrations ranging from 18.5 milligrams per kilograms (mg/kg) to 17,500 mg/kg; these constituents do not have established cleanup levels.

The final excavation depth reached 17 feet below ground surface (bgs) in the middle of the pump island excavation where strong petroleum hydrocarbons odors was noted, however additional excavation in surrounding soil was not completed. Approximately 2,600 cubic yards of petroleum-impacted soil was excavated. Of the excavated soil, 2,200 cubic yards was assumed contaminated with gasoline and 40 cubic yards were assumed contaminated with waste oil; the remaining 360 cubic yards of soil was determined clean and was placed back in the excavation. Therefore, a total of 2,240 cubic yards was removed from the Site for disposal.

In August 1988, AGI drilled four soil borings (B1 through B4). Field screening of soil borings B1 through B3 did not indicate petroleum impacts. Three soil samples were collected and analyzed for TPH from soil boring B4 at depths of 7.5, 17.5, and 22.5 feet bgs. TPH was detected at 7.2 kg/mg and 8.4 mg/kg at depths of 7.5 and 17.5 feet bgs. The locations of soil borings B1 through B4 were not provided within the report. More information is available in AGI's *Hydrocarbon Contamination Assessment* report, dated July 6, 1989.

Stage II Vapor Recovery Installation: In June 1993, EMCON Northwest, Inc. (EMCON) conducted compliance soil sampling during installation of Stage II Vapor Recovery piping at the site for TRMI. Trenches for the Stage II Vapor Recovery piping were completed to 7.25 feet bgs. Groundwater was encountered in the trench at 7 feet bgs.

EMCON excavated a test pit adjacent to the northwest product dispenser to assess the vertical and lateral extent of petroleum-impacted soil. The test pit could not be expanded to the north, south, and east due to the canopy footing and the concrete drive slab. Field screening indicated that no petroleum-impacted soil was present in the south and west walls of the test pit. A small amount of petroleum-impacted soil remained in place at the test pit floor and north sidewall. The eastern extent of impacted soil was not determined due to structural limitations.

EMCON collected a total of seven soil samples; five beneath the dispenser islands and along the former product lines (NETF, ED, ESET, WSWT, and SWRU) and two within the test pit (NWTPF and NWTPNW) and submitted them for analysis of TPH as gasoline (TPHg), TPH as diesel (TPHd), and BTEX. The soil sample results indicated that TPHg and BTEX concentrations exceeded MTCA Method A cleanup levels in two soil samples (NETF and NWTPF). No

other analytes exceeded the MTCA Method A cleanup level. More information is available in EMCON's *Compliance Sampling Results Report,* dated October 5, 1993.

1994 Monitoring Well Installation: In August 1994, GeoEngineers, Inc. (GeoEngineers) installed four groundwater monitoring wells (AGW-1 through AGW-4) at the site. Soil samples were collected and analyzed for TPHg, TPHd, BTEX, and total lead. TPHg and BTEX exceeded the MTCA Method A cleanup levels in a soil sample collected from monitoring well AGW-3 at 20.5 feet bgs. Groundwater samples were collected from monitoring wells AGW-1 through AGW-4 and analyzed for TPHg, TPHd, TPH as heavy oil (TPHo), BTEX, and dissolved lead. BTEX constituents exceeded the MTCA Method A cleanup levels in groundwater samples collected from monitoring wells AGW-1 through AGW-4. TPHg exceeded the MTCA Method A cleanup levels in groundwater samples collected from monitoring wells AGW-1 through AGW-3. More information is available in GeoEngineers's *Subsurface Investigation Report*, dated November 8, 1994.

1994 Monitoring Well Installation: In April and June 1995, GeoEngineers completed soil boring SB-1 and installed seven groundwater monitoring wells (AGW-5 through AGW-11) at the site. Soil samples were collected and analyzed for TPHg, TPHd, TPHo, BTEX, and total lead. No analytes exceeded the MTCA Method A cleanup levels for soil. Groundwater samples were collected from soil boring SB-1 and monitoring wells AGW-2 through AGW-11 and analyzed for TPHg, TPHd, TPHo, BTEX, halogenated volatile organic hydrocarbons (HVOCs) and dissolved lead. TPHg and benzene constituents exceeded the MTCA Method A cleanup levels in groundwater samples collected from monitoring wells AGW-2 through AGW-4, AGW-7, and AGW-9. HVOC constituents exceeded the MTCA Method A cleanup levels in groundwater samples collected from monitoring wells AGW-3, AGW-9, and AGW-10. Monitoring well AGW-1 was not sampled due to the presence of separate phase hydrocarbons (SPH) of up to 0.12 feet.

In May 1995, GeoEngineers collected a SPH sample from AGW-1 and analyzed it for TPH and total lead. The sample was characterized as gasoline and lead. Total lead exceeded the MTCA Method A cleanup levels at 310 mg/kg. In July 1995, a passive SPH recovery system was installed. More information is available in GeoEngineers's *Supplemental Environmental Services* Report, dated October 19, 1995.

1996 Soil Vapor Extraction Pilot Test: In July 1996, GeoEngineers completed four soil vapor probes (VP-1 through VP-4) and completed soil vapor extraction (SVE) step tests on groundwater monitoring wells AGW-1, AGW-2, and AGW-3 at the Site to determine the feasibility of using SVE, bioventing, vacuum-enhanced recovery, or other treatment system options. Vapor probes VP-1 through VP-4, and wells AGW-7, AGW-9, and AGW-10 were used as observation points during testing. GeoEngineers measured vapors using a PID, and carbon dioxide and oxygen concentrations prior to the first step test and following the second step test. Three vapor samples were collected at the end of each test in monitoring wells AGW-1 through AGW-3 and analyzed for TPHg and BTEX. GeoEngineers concluded that the subsurface is heterogeneous and widely varying pressures were necessary to induce optimal vacuum conditions associated with a successful SVE and/or air sparging remediation method at the site. The radius of influence was determined to be between 30 and 61 feet. Based on volatile compound readings collected during testing, residual-phase hydrocarbons remained in the vicinity of monitoring wells AGW-1, AGW-3, and AGW-7. Vacuum-enhanced recovery, other groundwater recovery methods, and/or bioventing were determined to be feasible to control off-Site migration of petroleum and solvent related contaminated media. More information is available in GeoEngineers's *Report of SVE Pilot Test Results* Report, dated July 2, 1997.

1996 Vacuum-Enhanced Recovery System Pilot Test: In December 1996, GeoEngineers completed vapor probes VP-5 and VP-6 to evaluate vapor concentrations, induced vacuum pressures, and water levels during the vacuum enhanced recovery (VER) pilot test. Soil samples were collected and analyzed for TPHg, TPHd, TPHd, and HVOCs. No analytes were detected above the laboratory reporting limits. GeoEngineers completed a 26-hour VER system pilot test on monitoring well AGW-1 to determine site specific characteristics of using VER as an effective remediation method. Vapor probes VP-1 through VP-6 and monitoring wells AGW-2 through AGW-11 were used as observation wells during the pilot test. The average pumping rate during the pilot test was approximately 0.3 gallon per minute in monitoring well AGW-1. The maximum radius of influence of the applied vacuum during the pilot test was approximately 18 feet, however it appears that heterogeneous soil conditions across the site resulted in a vacuum response in monitoring well AGW-9 located approximately 110 feet from AGW-1. Nonlinear groundwater drawdown was observed at maximum radius of approximately 180 feet during groundwater extraction. Maximum drawdown of 10.52 feet was observed in vapor probe VP-6, approximately 45 feet from monitoring well AGW-1. Groundwater levels

in observation wells continued to decrease from 40 minutes to 2 hour after the VES test. More information is available in GeoEngineers's *Vacuum-Enhanced Recovery System Pilot Test* report, dated July 2, 1997.

1998 Monitoring Well Installation and High Vacuum Groundwater Extraction: In March 1998, GeoEngineers installed groundwater monitoring well AGW-12. Soil samples were collected and analyzed for TPHg, TPHd, TPHo, BTEX, HVOCs, and total lead. No analytes exceeded the MTCA Method A cleanup levels. In April 1998, GeoEngineers monitored high vacuum groundwater extraction from groundwater monitoring wells AGW-1, AGW-3, AGW-7, and AGW-12. Approximately 750 gallons of groundwater were extracted. Approximately 400 gallons of water was extracted from monitoring well AGW-1 within 15 minutes of the start of extraction. More information is available in GeoEngineers's *Supplemental Environmental Drilling and Groundwater Sampling and High Vacuum Groundwater Extraction Services* report, dated July 17, 1997.

1998 High Vacuum Ground Water Extraction : Between June 1998 and December 1998, GeoEngineers performed high vacuum groundwater extraction and collected groundwater samples from Site monitoring wells. Groundwater was extracted using a vacuum between 15 and 20 inches of mercury. A total of approximately 2,050 allons of groundwater was removed from monitoring wells AGW-1, AGW-3, AGW-7, and AGW-12. Wells AGW-2, AGW-3, AGW-6, AGW-8, AGW-9, AGW-10, VP-4 and VP-6 were used as observation points during extraction; vacuum pressures in these wells were negligible during extraction and groundwater levels fluctuated. More information is available in GeoEngineers's *Environmental Groundwater Monitoring and High Vacuum Groundwater Extraction Services* report, dated September 25, 1998, December 8, 1998, and February 8, 1999.

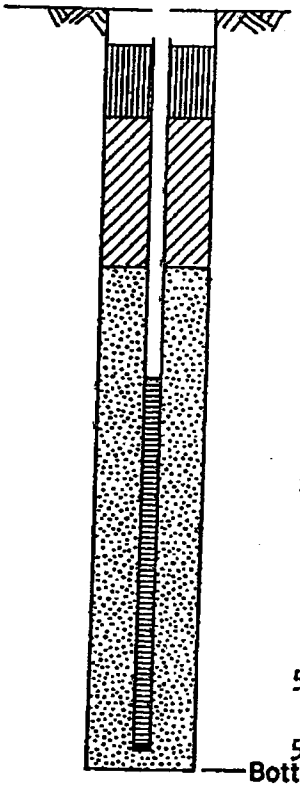
2009 Subsurface Investigation: In December 2009, CRA completed one soil boring (SB-2) and installed two groundwater monitoring wells (AGW-13 and AGW-14). Monitoring wells AGW-13 and AGW-14 were both installed off-Property towards the southwest. Soil samples were collected from soil boring SB-2 and analyzed for TPHg, TPHd, TPHo, BTEX, and total lead. No analytes exceeded the MTCA Method A cleanup levels. Groundwater samples were collected from soil boring SB-2 and monitoring wells AGW-1 through AGW-3 and AGW-6 through AGW-14 and analyzed for TPHg, TPHd, TPHo, BTEX, MTBE, EDB, EDC, HVOCs, and total lead. Benzene exceeded the MTCA Method A cleanup levels in the groundwater sample collected from soil boring

SB-2. TPHg, TPHd, BTEX, and/or HVOCs exceeded the MTCA Method A cleanup levels in groundwater samples collected from monitoring wells AGW-3, AGW-7 through AGW-9, AGW-12, and AGW-14.

APPENDIX D

AVAILABLE HISTORICAL SOIL BORING LOGS

Well Construction Summary



Blows/foot | Moisture Content (%) | Dry Density (pcf) | Depth (ft) | Sample

Equipment Mobile B-61

Elevation _____ Date 3/18/88

Blows/foot	Depth (ft)	
	0	BROWN GRAVELLY SAND (SP) medium dense, moist; with fine to medium sand, gravel to 1-inch diameter.
34		
	5	BROWN SAND (SP) medium dense, moist; with silt and gravel, fine to medium sand.
45		GRAY-BROWN SILTY SAND (SM) medium dense, moist to wet; with some gravel to 3/4-inch diameter.
	10	
50/.75"		Becomes brown silty sand.
	15	GRAY-BROWN SANDY SILT (ML) dense, saturated; trace fine gravel.
50/.4		GRAY-BROWN SANDY SILT (ML) hard, saturated; some gravel to 1-inch diameter.
50/.4	20	
		Boring terminated at 20.3 feet on 8/18/88.
		Groundwater encountered at approximately 12 feet.
	25	
	30	
	35	
	40	

LEGEND

- Concrete surface seal
- Bentonite chip seal
- Aqua 8 filter sand pack
- 2" schedule 40 PVC casing
- .020" slot 2" PVC schedule 40 screen

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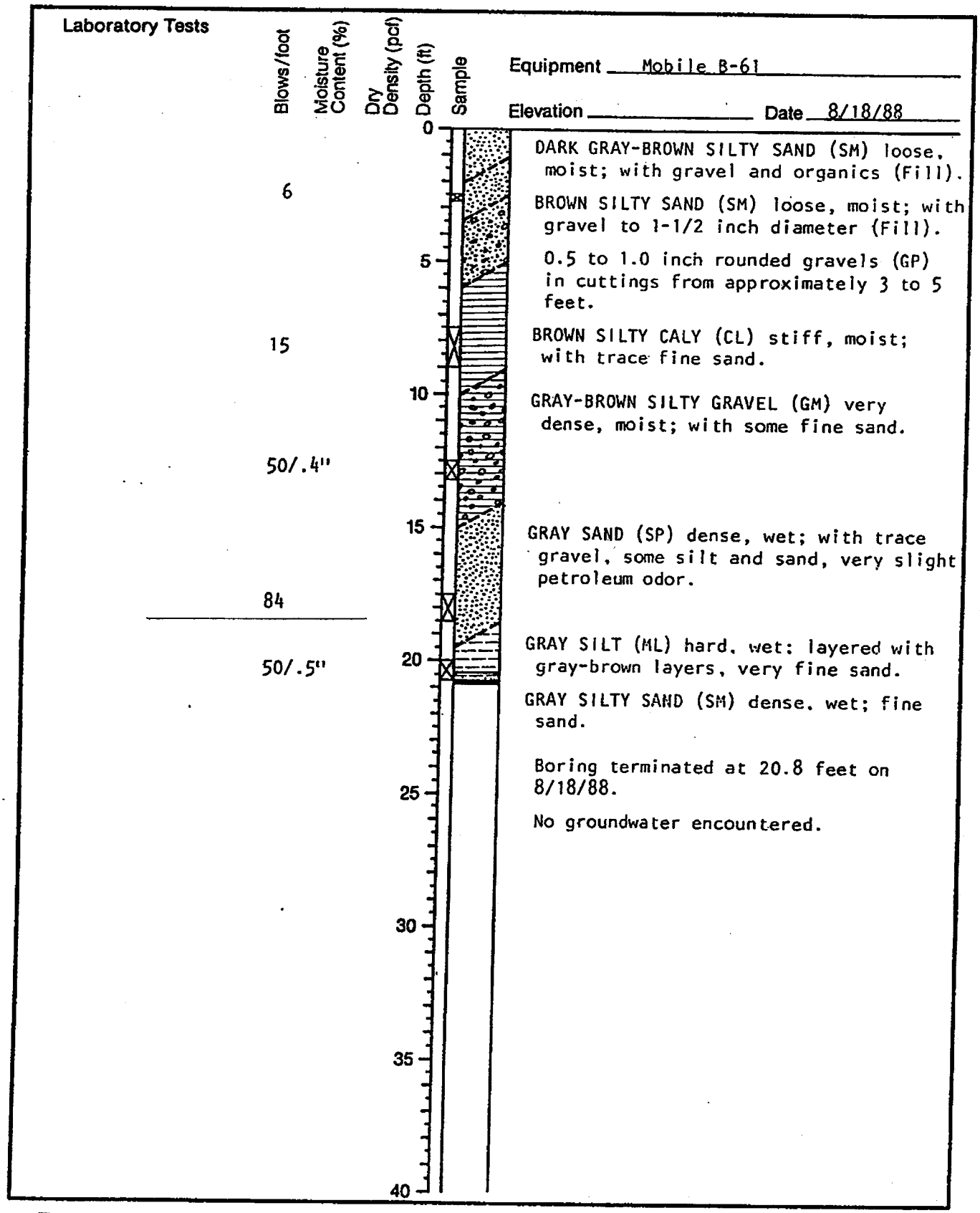
Log of Boring 1

Gull/Roxbury Texaco
White Center, Washington

PLATE 4

JOB NUMBER	DRAWN	APPROVED	DATE	REVISED	DATE
15,256.021	SAC	CHS	15 September 88		



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Log of Boring 2

Gull/Roxbury Texaco
White Center, Washington

PLATE **5**

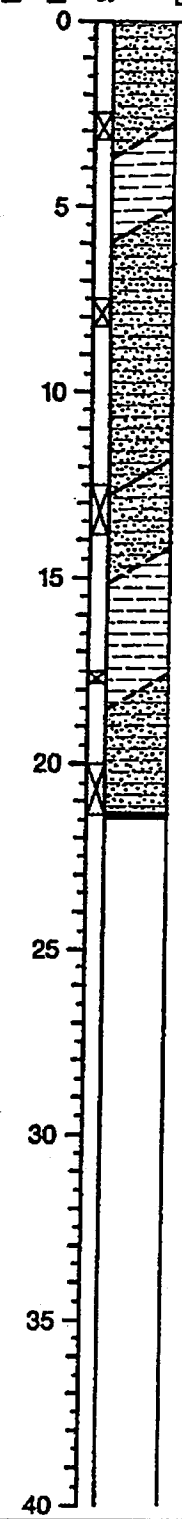
JOB NUMBER	DRAWN	APPROVED	DATE	REVISED	DATE
15,256.021	SAC	CBS	15 September 88		

Laboratory Tests

Blows/foot | Moisture Content (%) | Dry Density (pcf) | Depth (ft) | Sample

Equipment Mobile B-61

Elevation _____ Date 8/18/88



Blows/foot	Log
14	BROWN SILTY SAND (SM) loose, moist; with some gravel (Fill).
	GRAY GRAVELLY SILT (ML) medium stiff, moist; trace clay
27	GRAY-BROWN SILTY SAND (SM) very stiff, moist; with 1-inch lens sand, some silt, trace gravel to 1/4-inch diameter.
86/.9"	GRAY-BROWN SILTY GRAVEL TO SILTY SAND (GM/SM) very dense, moist; lens gravelly sand.
	GRAY-BROWN GRAVELLY SILT (ML) very hard, moist; gravel to 1-inch diameter, trace sand.
50/.5"	GRAY-BROWN SILTY SAND (SM) very dense, wet; trace gravel to 1/2-inch diameter.
61	Boring terminated at 21.4 feet on 8/18/88.
	Groundwater encountered at approximately 20 feet; slight seepage noted.

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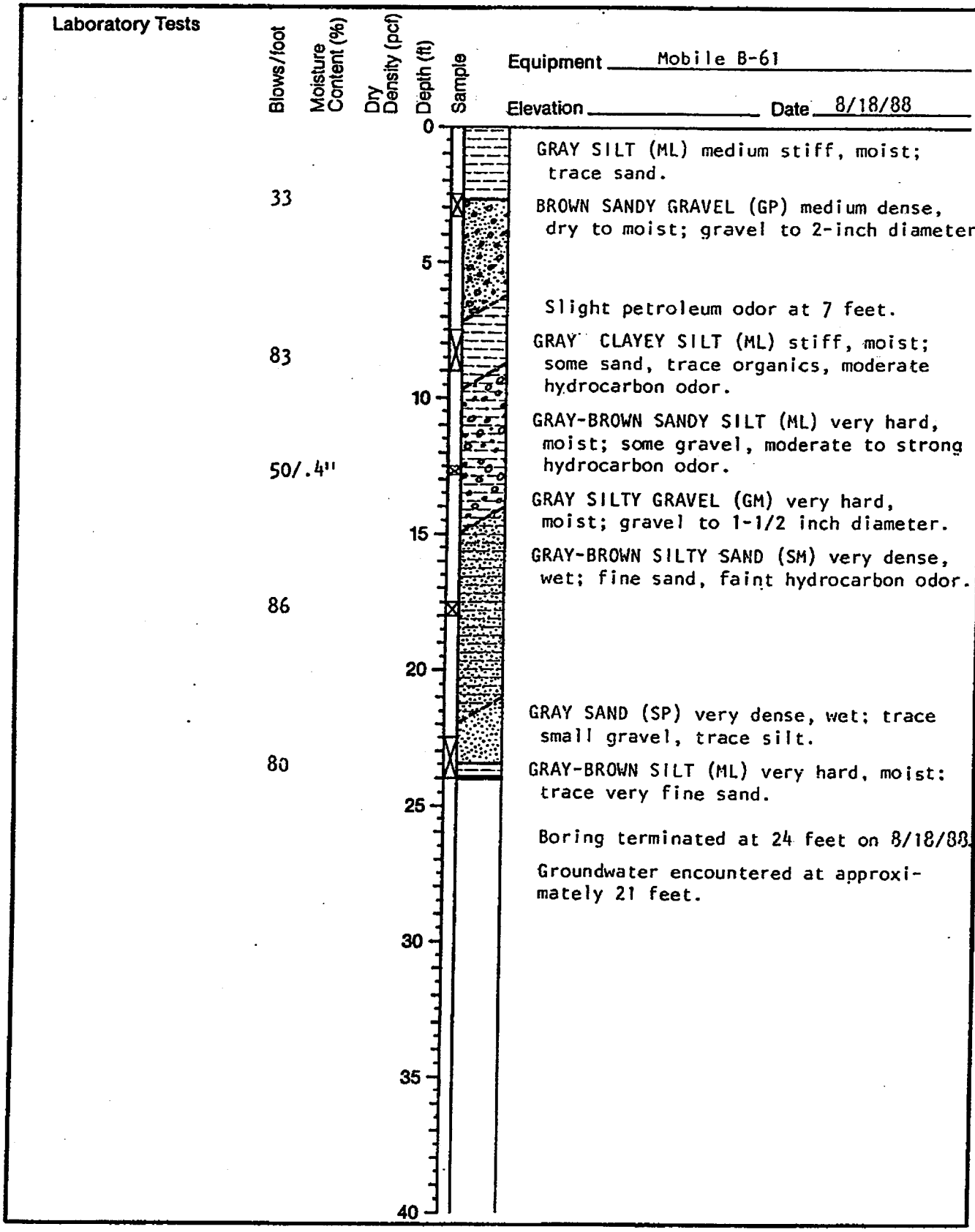
Log of Boring 3

Gull/Roxbury Texaco
White Center, Washington

PLATE 6

JOB NUMBER	DRAWN	APPROVED	DATE	REVISED	DATE
15,256.021	SAC	CAB	15 September 88		



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Log of Boring 4

Gull/Roxbury Texaco
White Center, Washington

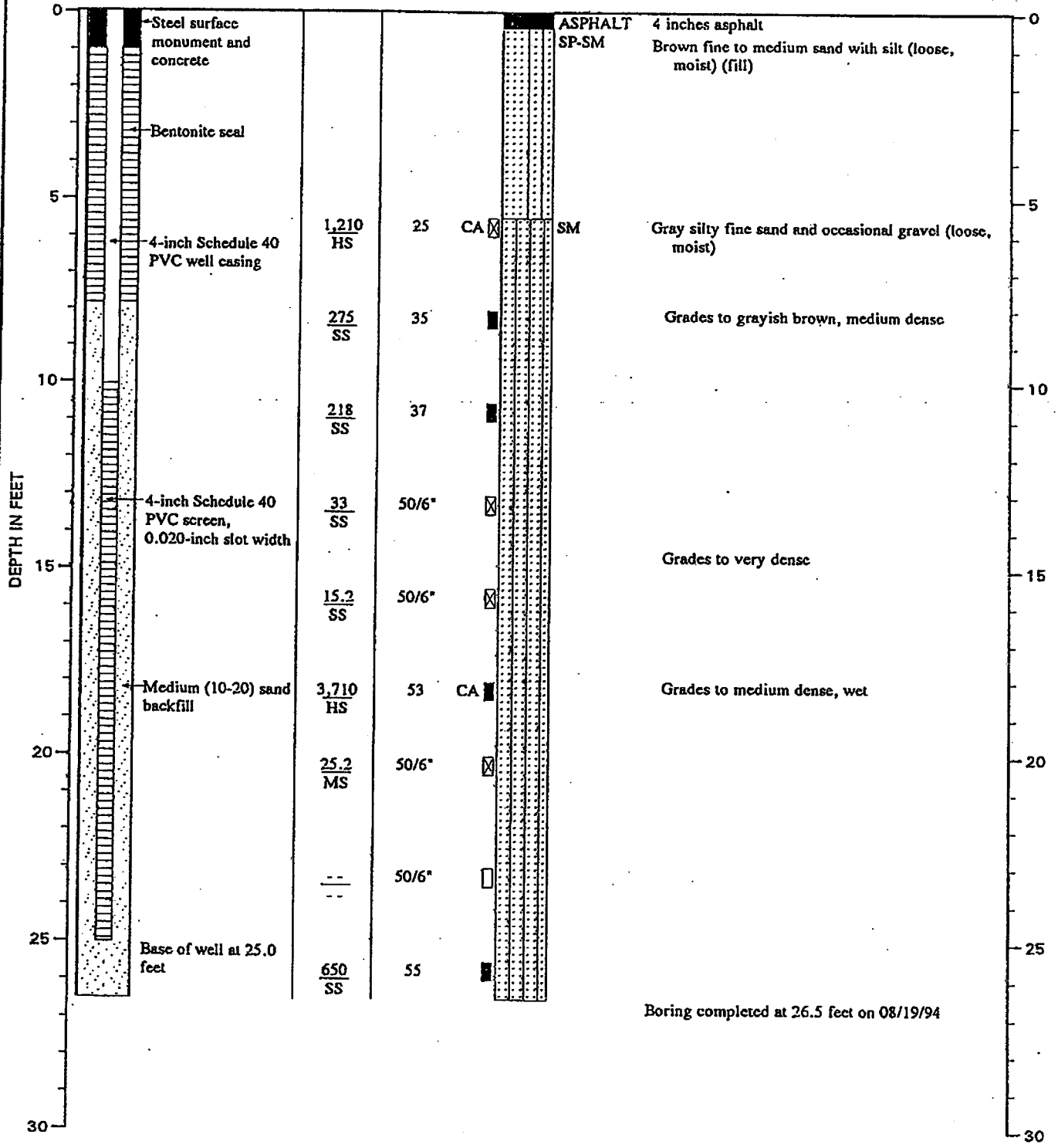
PLATE **7**

JOB NUMBER	DRAWN	APPROVED	DATE	REVISED	DATE
15,256.021	SAC	CMS	15 September 88		

MONITORING WELL AGW-1

WELL SCHEMATIC

Casing Elevation (ft.): 99.22
Casing Stickup (ft.): 0.42



Note: See Figure A- 2 for explanation of symbols

0401-019-R28 Task1.5 :CRW:CMS 11/8/94

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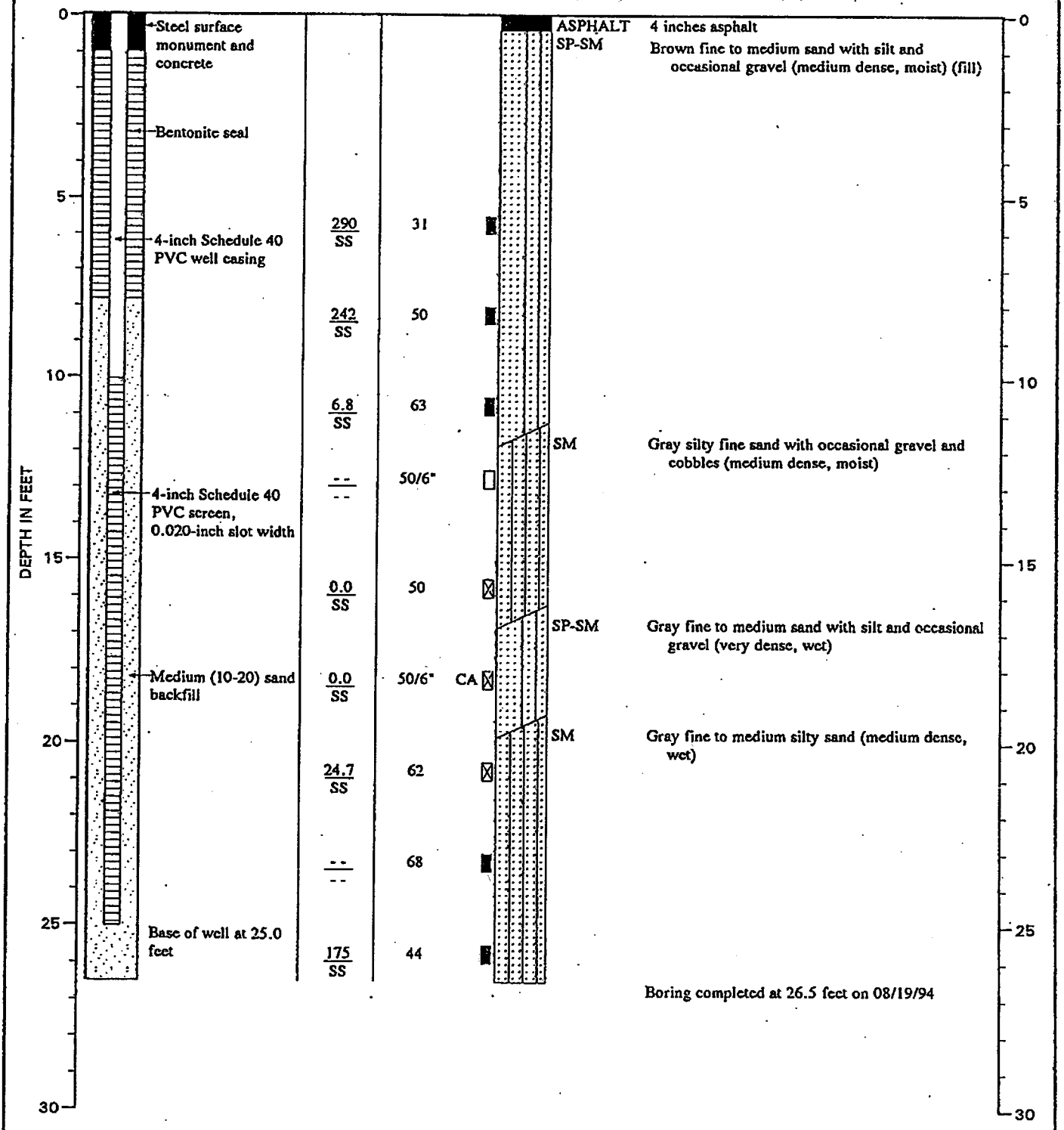
LOG OF MONITORING WELL

FIGURE A-3

MONITORING WELL AGW-2



Note: See Figure A- 2 for explanation of symbols

0401-019-R28 Task1.5 :CRW:CMS 11/8/94

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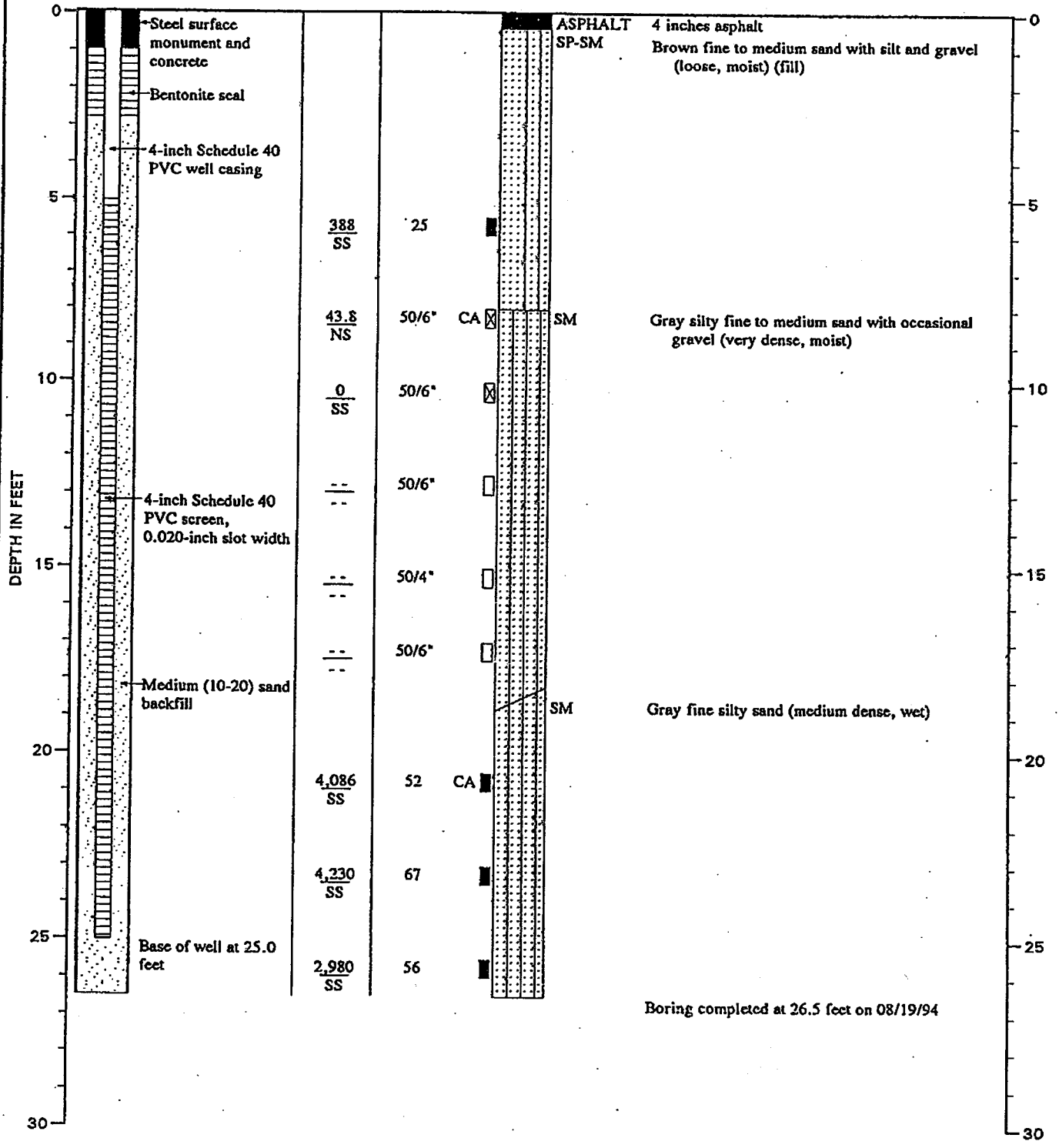
LOG OF MONITORING WELL

FIGURE A-4

MONITORING WELL AGW-3

WELL SCHEMATIC

Casing Elevation (ft.): 99.71
Casing Stickup (ft.): 0.29



Note: See Figure A- 2 for explanation of symbols

0401-019-R28 Task1.5 :CRW:CMS 11/8/94

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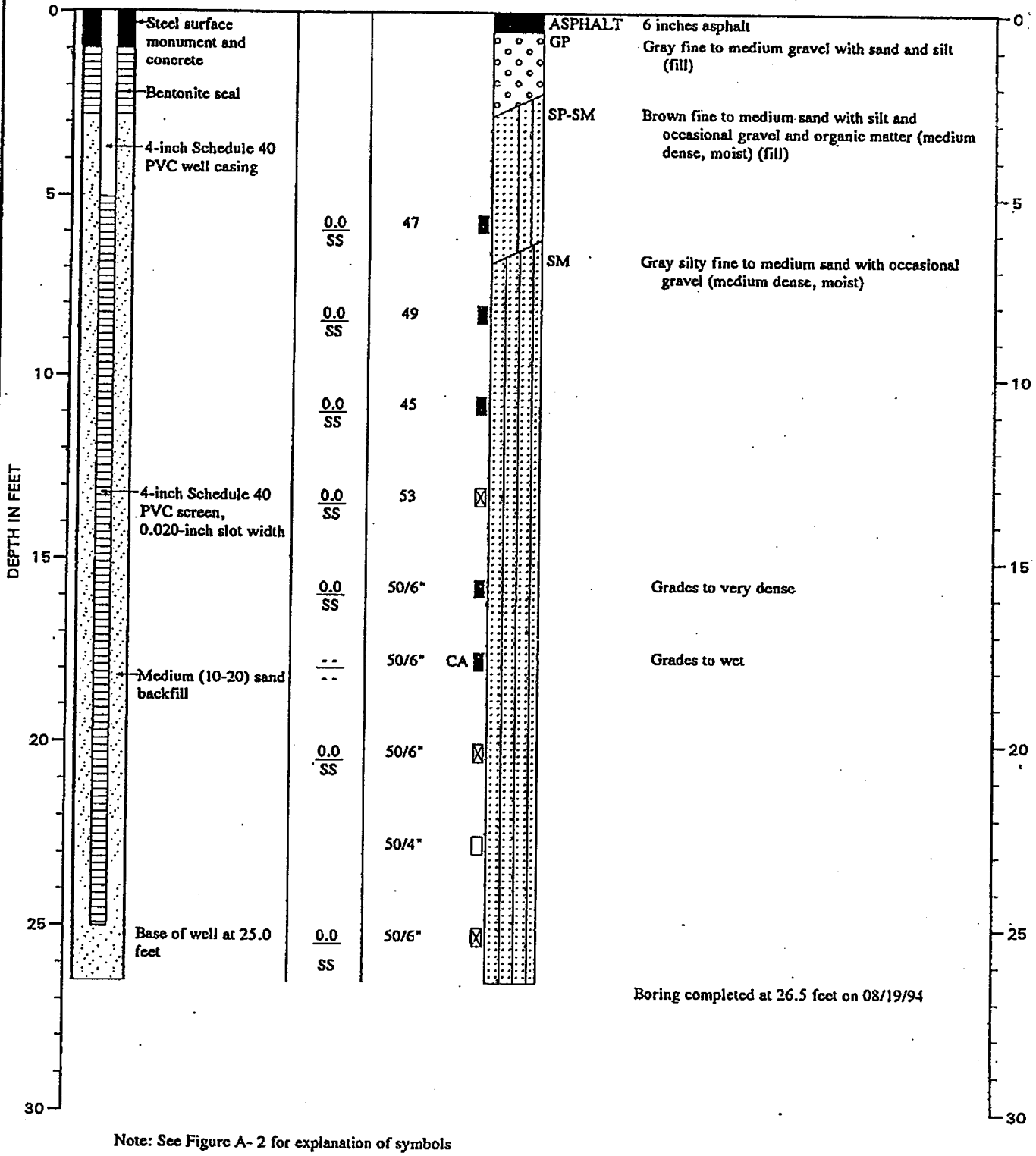
LOG OF MONITORING WELL

FIGURE A-5

MONITORING WELL AGW-4



Note: See Figure A- 2 for explanation of symbols

:CRW:CMS 11/8/94

0401-019-R28 Task1.5

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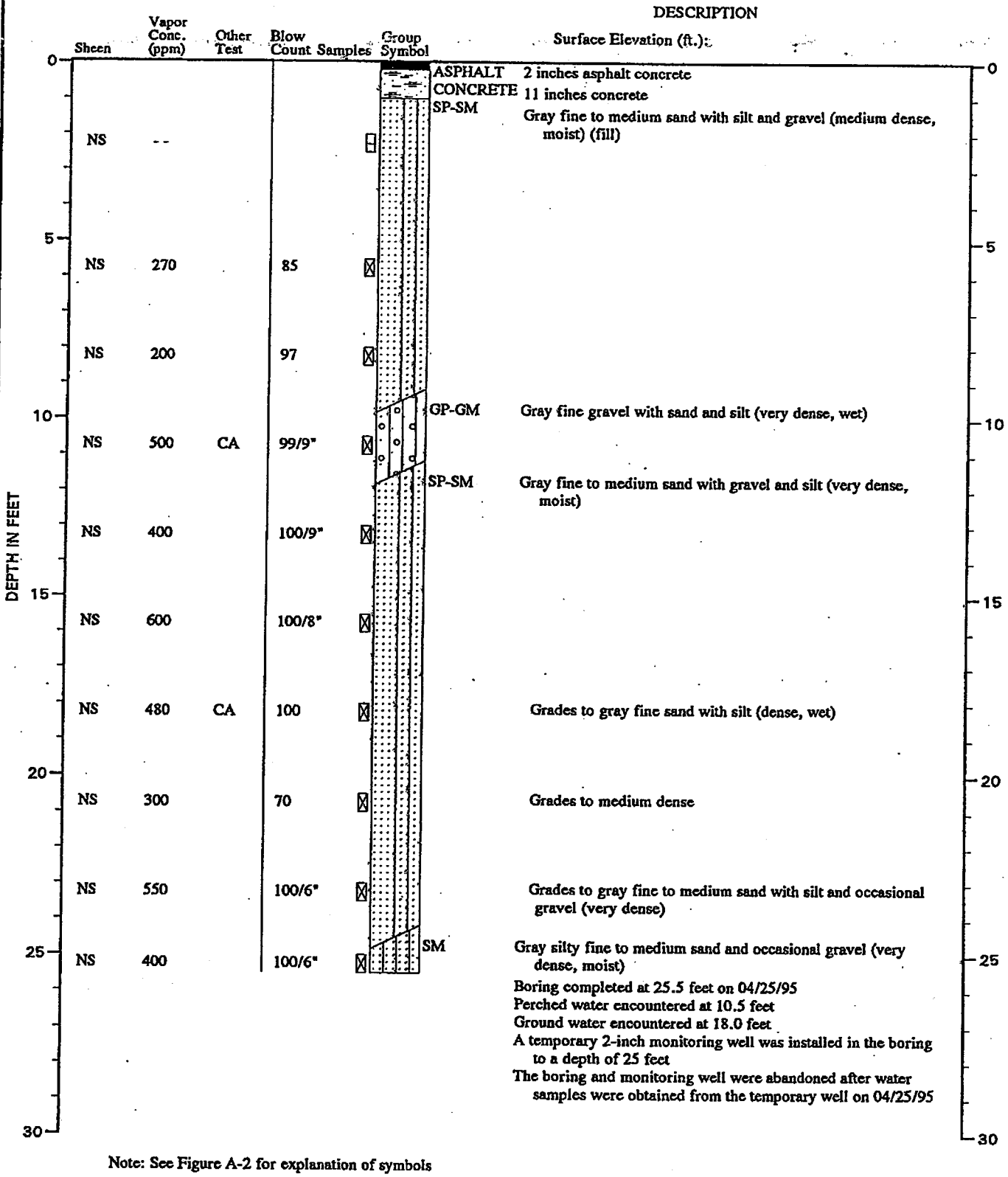
LOG OF MONITORING WELL

FIGURE A-6

TEST DATA

BORING SB-1



Note: See Figure A-2 for explanation of symbols

0401-019-R28 Task1.5 :RNM:CRW:CMS 5/17/95

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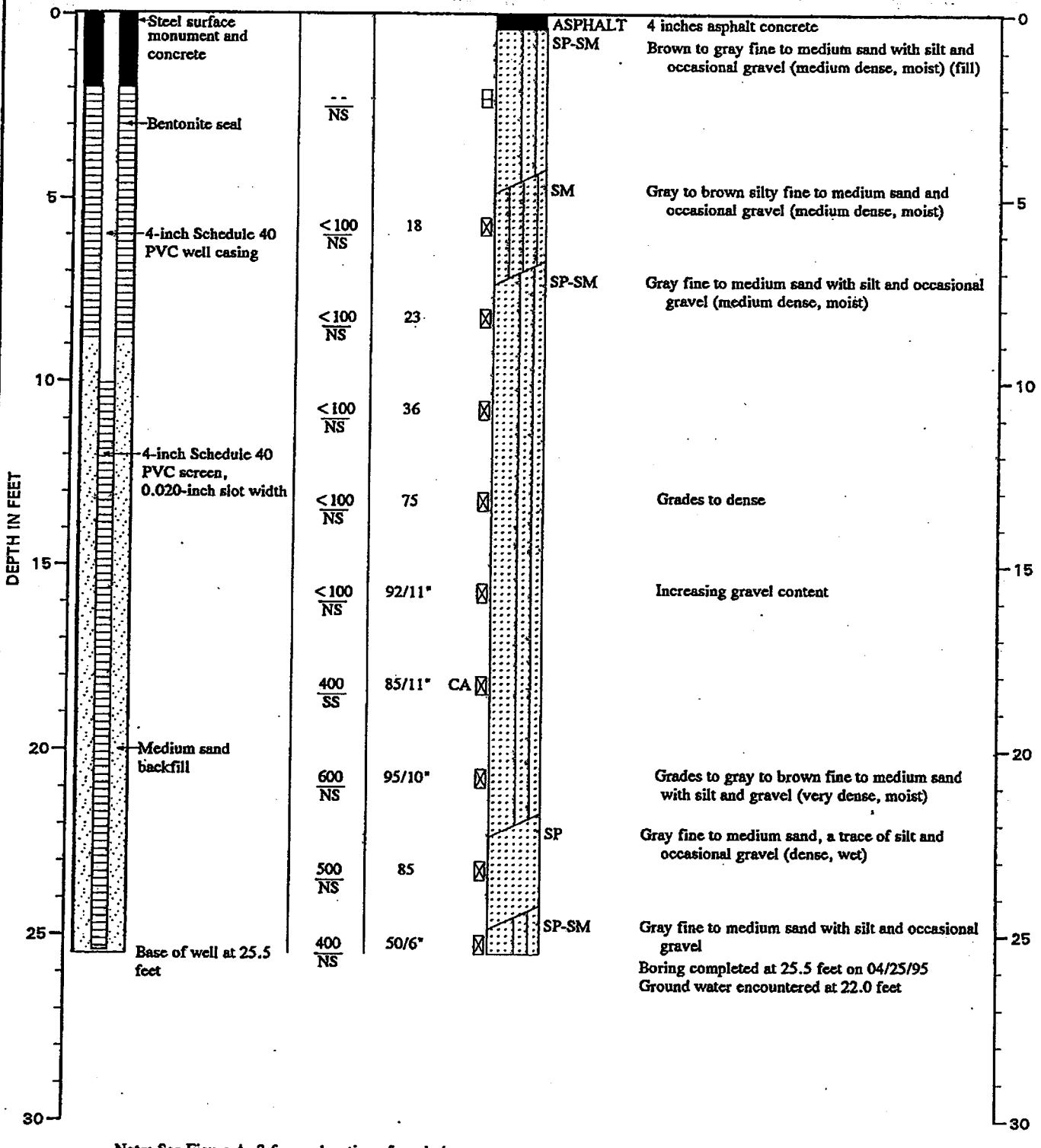
LOG OF BORING

FIGURE A-3

MONITORING WELL AGW-5



Note: See Figure A- 2 for explanation of symbols

0401-019-R28 Tmk1.5 :RNM:CRW:CMS 5/17/95

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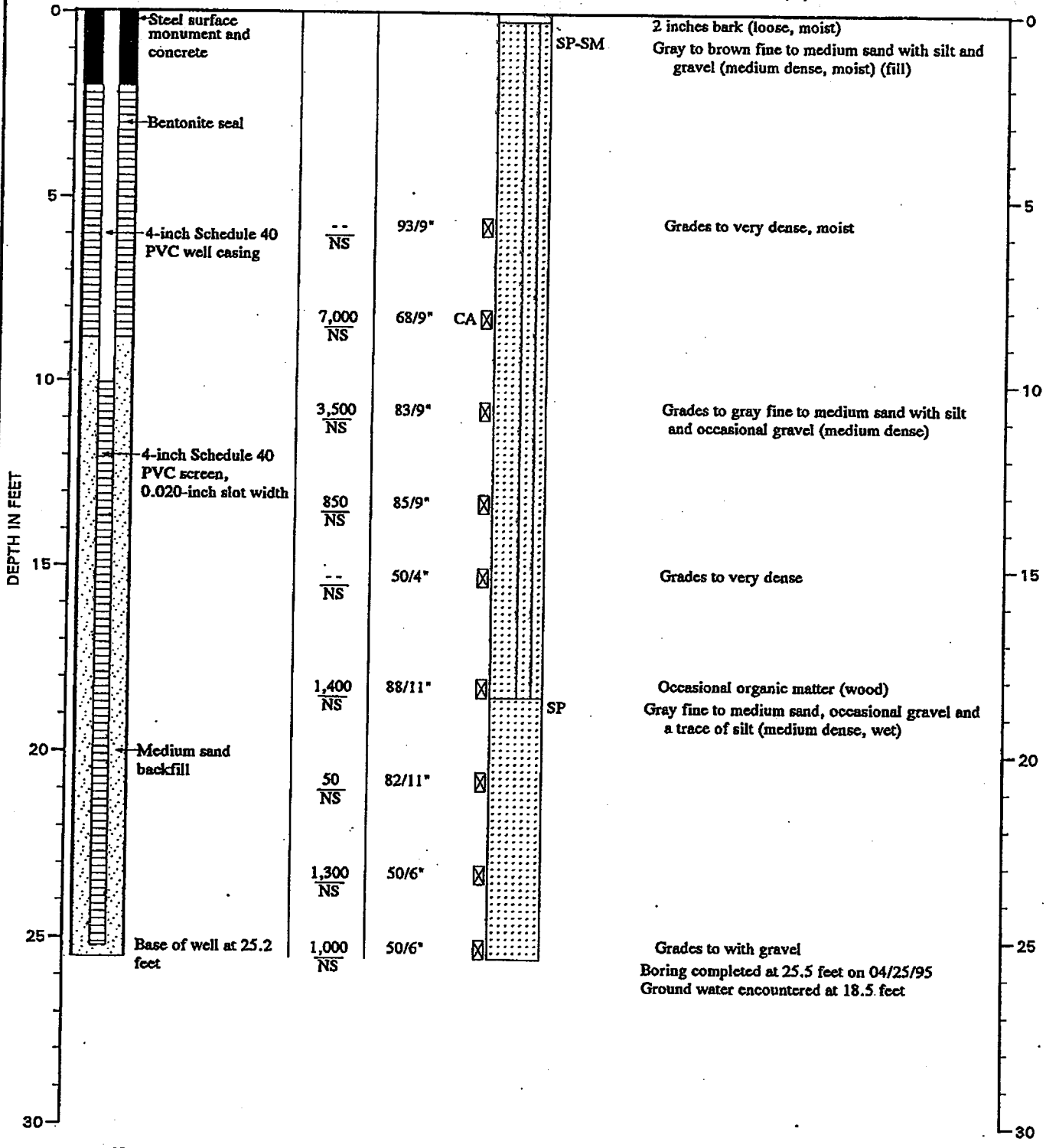
LOG OF MONITORING WELL

FIGURE A-4

MONITORING WELL AGW-6



Note: See Figure A- 2 for explanation of symbols

0401-019-R28 Task1.5 :RNM:CRW:CMS 5/17/95

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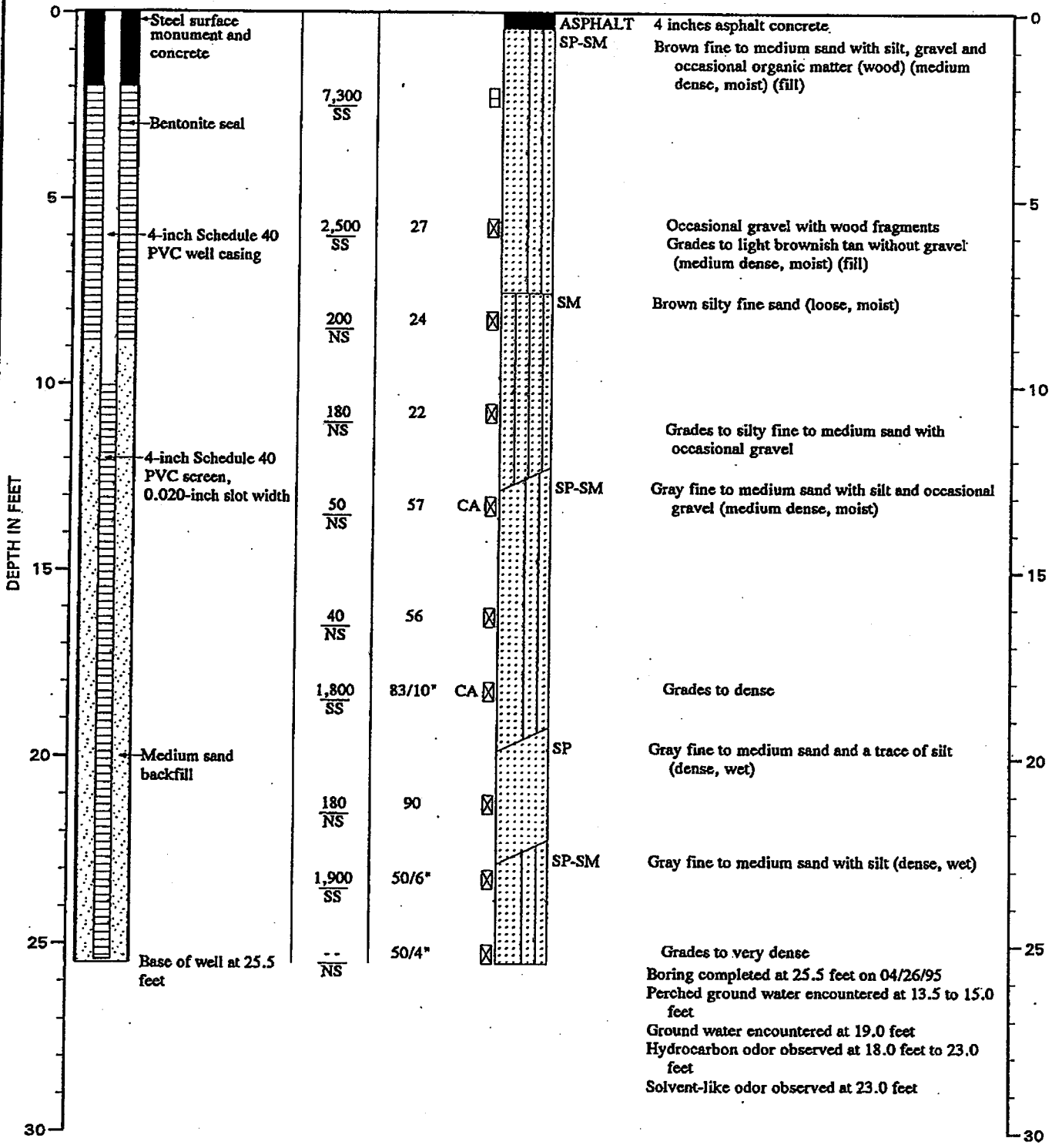
LOG OF MONITORING WELL

FIGURE A-5

MONITORING WELL AGW-7

WELL SCHEMATIC

Casing Elevation (ft.): 100.40
Casing Stickup (ft.): -0.39



Vapor Conc.(ppm) / Sheen	Blow Count	Samples	Group Symbol	DESCRIPTION
				Surface Elevation (ft.): 100.79
			ASPHALT	4 inches asphalt concrete.
			SP-SM	Brown fine to medium sand with silt, gravel and occasional organic matter (wood) (medium dense, moist) (fill)
7,300 / SS				
2,500 / SS	27			Occasional gravel with wood fragments Grades to light brownish tan without gravel (medium dense, moist) (fill)
			SM	Brown silty fine sand (loose, moist)
200 / NS	24			
180 / NS	22			Grades to silty fine to medium sand with occasional gravel
			SP-SM	
50 / NS	57	CA		Gray fine to medium sand with silt and occasional gravel (medium dense, moist)
40 / NS	56			
1,800 / SS	83/10"	CA		Grades to dense
			SP	Gray fine to medium sand and a trace of silt (dense, wet)
180 / NS	90			
			SP-SM	
1,900 / SS	50/6"			Gray fine to medium sand with silt (dense, wet)
-- / NS	50/4"			Grades to very dense

Boring completed at 25.5 feet on 04/26/95
Perched ground water encountered at 13.5 to 15.0 feet
Ground water encountered at 19.0 feet
Hydrocarbon odor observed at 18.0 feet to 23.0 feet
Solvent-like odor observed at 23.0 feet

Note: See Figure A- 2 for explanation of symbols

:RNM:CRW:CMS 5/17/95
0401-019-R28 Task1.5

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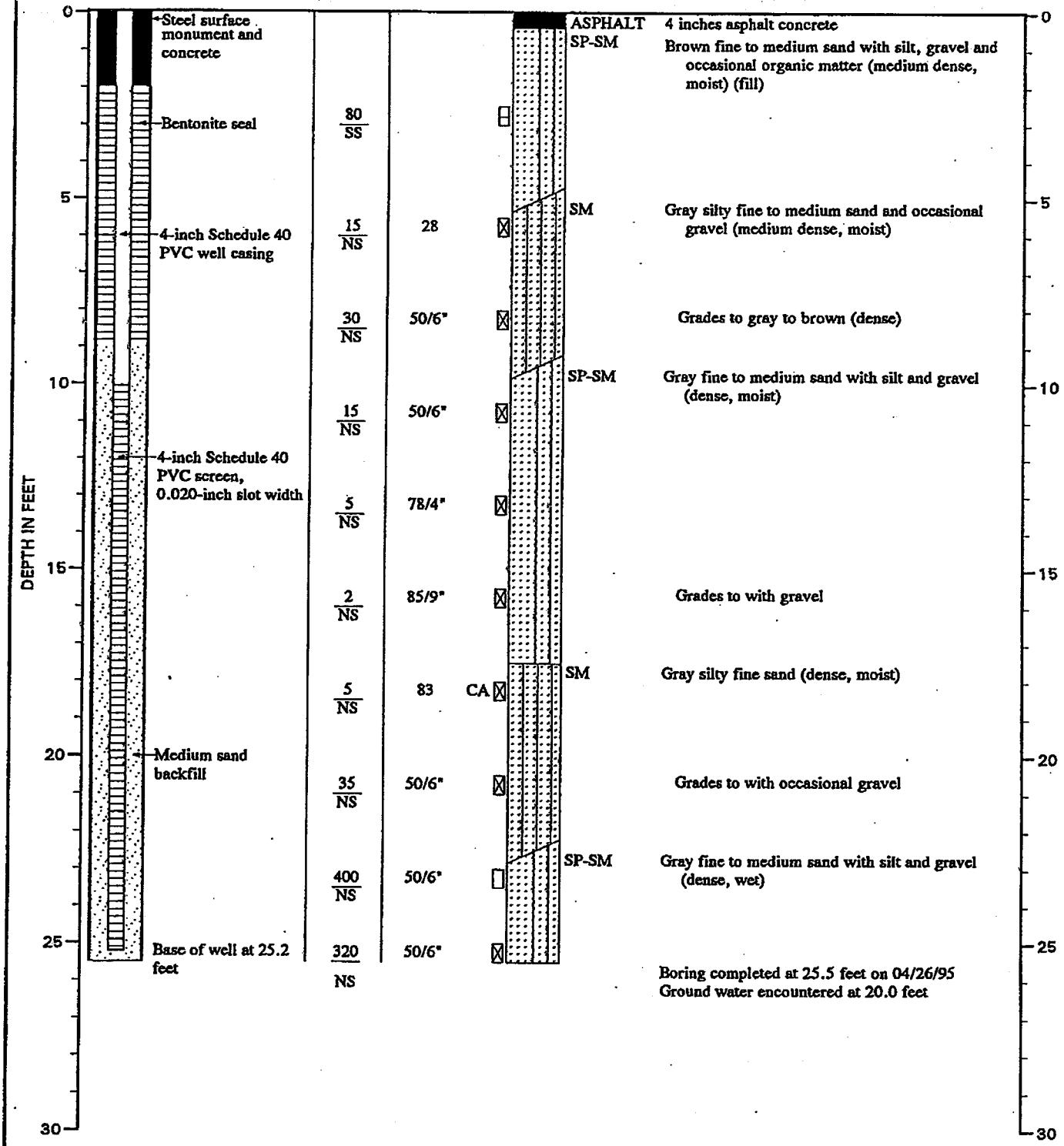
LOG OF MONITORING WELL

FIGURE A-6

MONITORING WELL AGW-8

WELL SCHEMATIC

Casing Elevation (ft.): 100.41
Casing Stickup (ft.): -0.33



Note: See Figure A- 2 for explanation of symbols

0401-018-R28 Task1.5 :RNM:CRW:CMS 5/17/95

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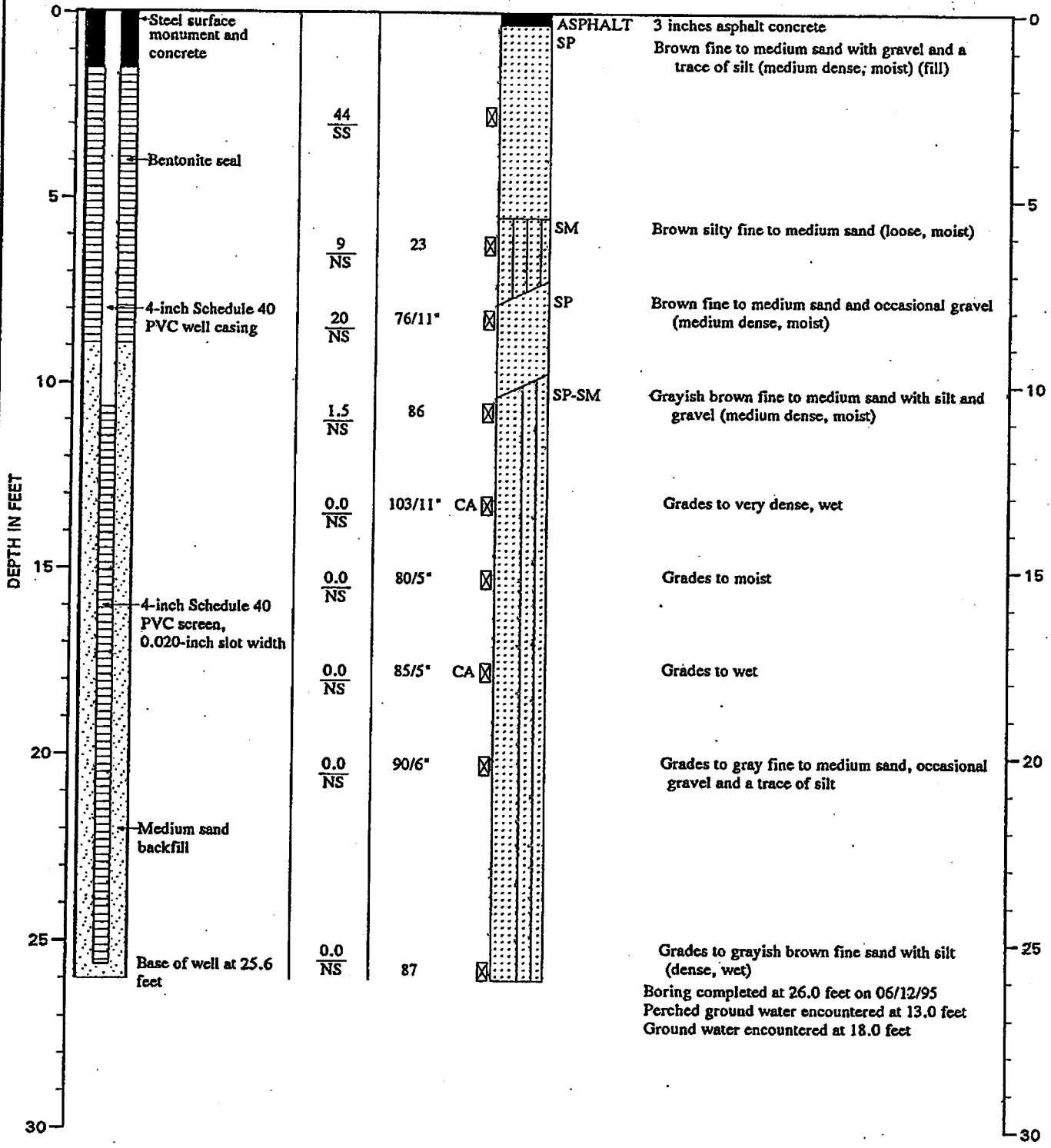
LOG OF MONITORING WELL

FIGURE A-7

MONITORING WELL AGW-9

WELL SCHEMATIC

Casing Elevation (ft.): 101.26
Casing Stickup (ft.): -0.83



Note: See Figure A- 2 for explanation of symbols

:RNM:CRW:CMS 7/19/95

0401-019-R28 Task1.5

Geo Engineers

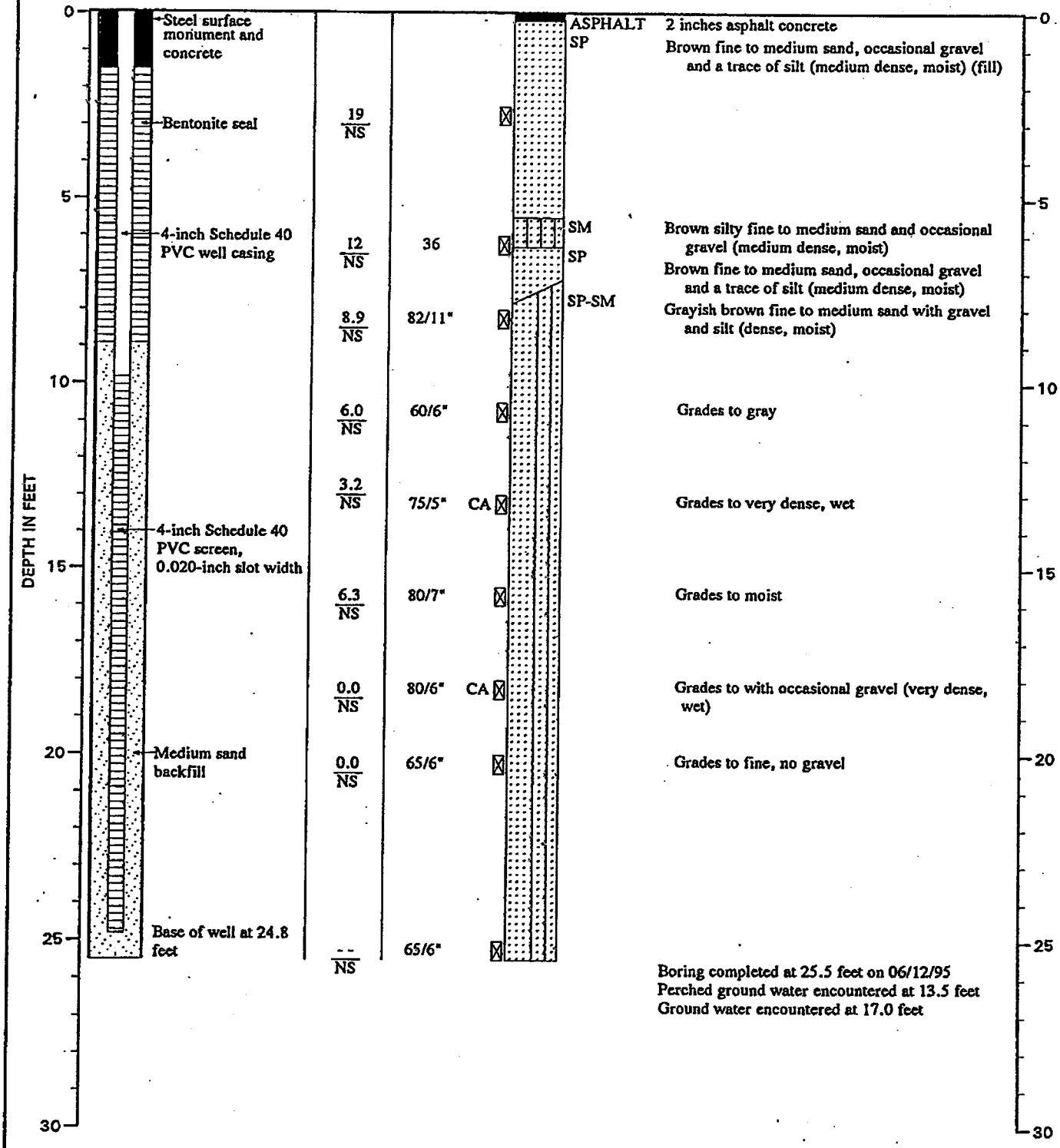
LOG OF MONITORING WELL

FIGURE A-8

MONITORING WELL AGW-10

WELL SCHEMATIC

Casing Elevation (ft.): 99.06
Casing Stickup (ft.): -0.45



Note: See Figure A- 2 for explanation of symbols

:RNM:CRW:CMS 7/19/95

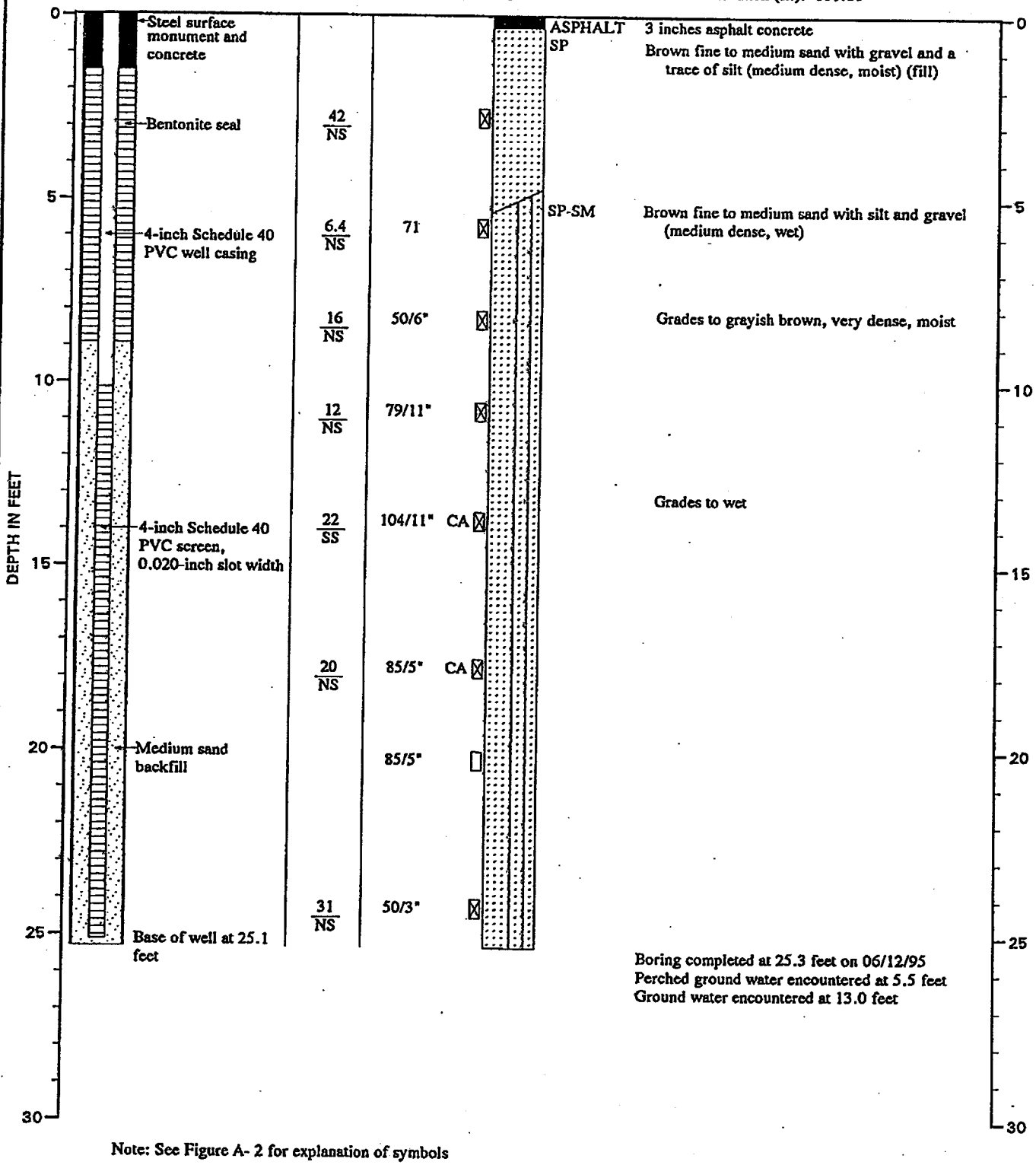
0401-019-R28 Task1.5

Geo Engineers

LOG OF MONITORING WELL

FIGURE A-9

MONITORING WELL AGW-11



Note: See Figure A- 2 for explanation of symbols

:RNM:CRW:CMS 7/19/95

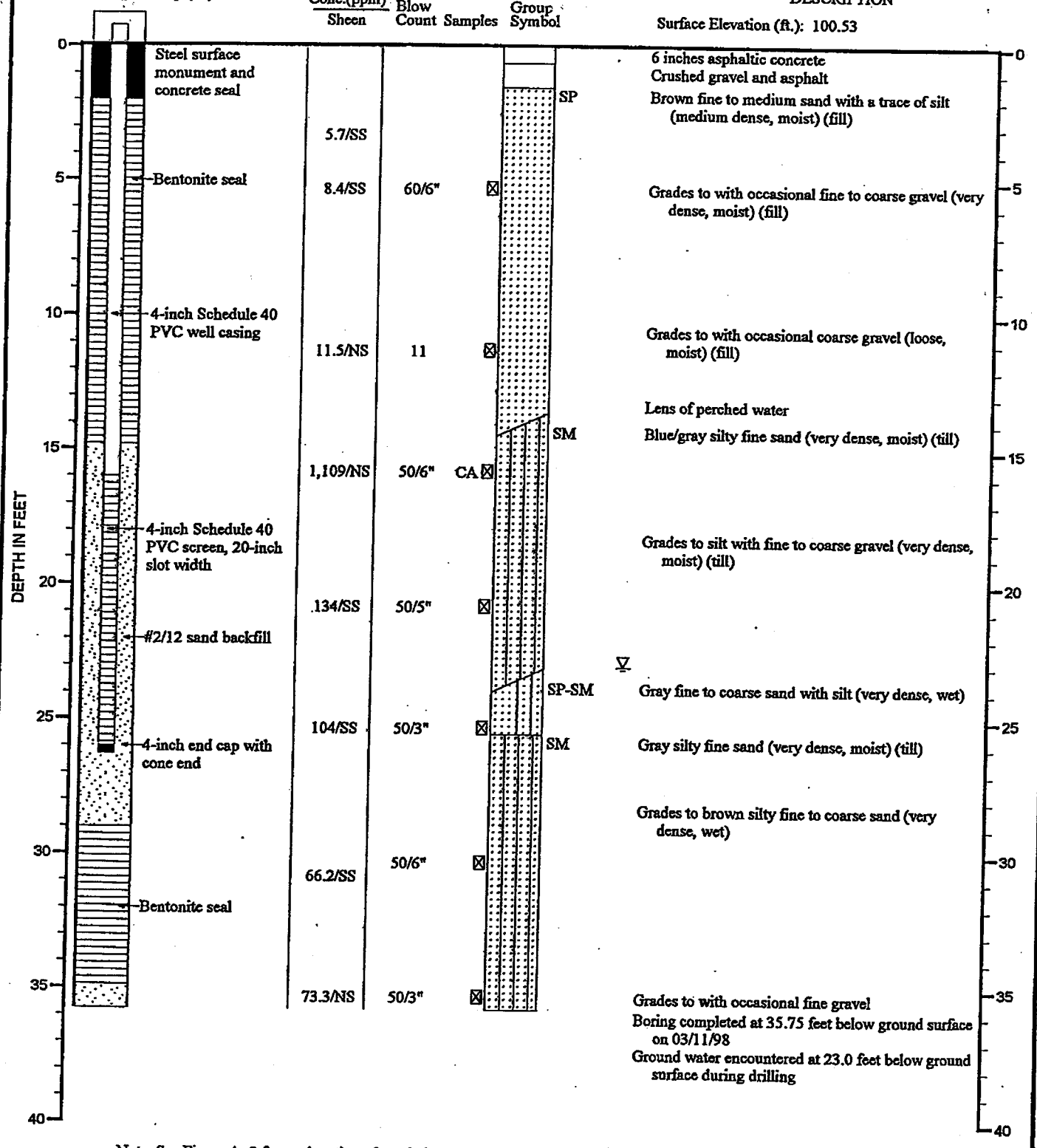
0401-019-R28 Task1.5

Geo Engineers

LOG OF MONITORING WELL

FIGURE A-10

MONITORING WELL AGW-12



Note: See Figure A- 2 for explanation of symbols

Geo Engineers

LOG OF MONITORING WELL

FIGURE A-3

APPENDIX E

BORING LOGS FOR AGW-13, AGW-14, AND SB-2

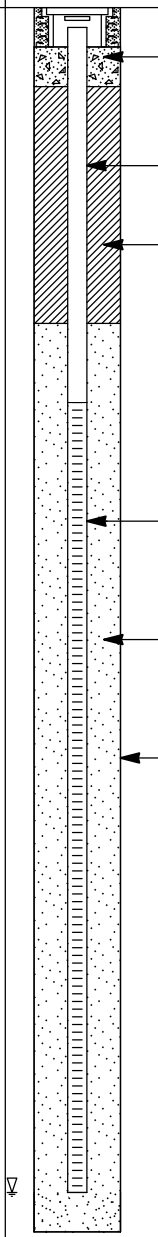
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: 2805 SEAT
PROJECT NUMBER: 241799
CLIENT: Shell Oil Products USA
LOCATION: 2805 SW Roxbury Street
Seattle, Washington

HOLE DESIGNATION: AGW-13
DATE COMPLETED: December 8, 2009
DRILLING METHOD: HSA
FIELD PERSONNEL: J. Song

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS
	ASPHALT	0.50
2	SP-SAND, with gravel, very dense, fine to medium grained sand, rounded gravel (up to 2" in diameter), well graded, brown (7.5YR 4/3), dry, no odor, no staining	
4		
	- Air Knife was used from 0 to 5 ft BGS	
6		
8		
10	- gravel (less than 0.5" in diameter) below 10 ft BGS	
12		
14		
	- gravel (up to 1" in diameter), brown (10YR 4/3) below 15 ft BGS	
16		
18		
20	- gravel (less than 0.5" in diameter) below 20 ft BGS	
22		
24		
	SM-SILTY SAND, very dense, fine to coarse grained, well graded, olive gray (5YR 4/2), damp, no odor, no staining	25.00
26		
28		
30	- wet (not sampled - sample was lost in the ground) @ ~30 ft BGS	
	END OF BOREHOLE @ 31.0ft BGS	31.00
32		
34		

MONITORING WELL



WELL DETAILS
Screened interval:
10.00 to 30.00ft BGS
Length: 20ft
Diameter: 2in
Slot Size: 10

SAMPLE NUMBER	INTERVAL	REC (%)	BLOW COUNTS	PID [ppm]
AGW-13-5		33	>50	0.1
AGW-13-10		25	>50	0.1
AGW-13-15		15	>50	0.1
AGW-13-20		33	>50	0
AGW-13-25		20	>50	0.3

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

OVERBURDEN LOG 241799.GPJ CRA_CORP.GDT 8/24/10

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: 2805 SEAT
PROJECT NUMBER: 241799
CLIENT: Shell Oil Products USA
LOCATION: 2805 SW Roxbury Street
Seattle, Washington

HOLE DESIGNATION: AGW-13
DATE COMPLETED: December 8, 2009
DRILLING METHOD: HSA
FIELD PERSONNEL: J. Song

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (%)	BLOW COUNTS	PID [ppm]
36			Material: PVC Seal: 2.00 to 8.00ft BGS Material: BENTONITE Sand Pack: 8.00 to 31.00ft BGS Material: SAND					
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: 2805 SEAT
PROJECT NUMBER: 241799
CLIENT: Shell Oil Products USA
LOCATION: 2805 SW Roxbury Street
Seattle, Washington

HOLE DESIGNATION: AGW-14
DATE COMPLETED: December 8, 2009
DRILLING METHOD: HSA
FIELD PERSONNEL: J. Song

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE BLOW COUNTS	SAMPLE PID [ppm]
	ASPHALT	0.50	CONCRETE					
2	SP-SAND, with gravel, very dense, fine to medium grained sand, poly-angular gravel (up to 1" in diameter), well graded, brown (7.5YR 4/3), dry, no odor, no staining							
4			2"Ø PVC WELL CASING					
	- Air Knife was used from 0 to 5 ft BGS							
6			BENTONITE CHIPS	AGW-14-5		33	>50	0.1
8								
10	- olive brown (2.5YR 4/3) below 10 ft BGS			AGW-14-10		20	>50	0.1
12								
			WELL SCREEN					
14								
	- trace gravel (less than 0.5" in diameter) below 15 ft BGS							
16			SAND PACK	AGW-14-15		20	>50	0.1
18								
			8"Ø BOREHOLE					
20	- damp below 20 ft BGS			AGW-14-20		20	>50	0.1
22								
24								
	- with silts, with gravel (up to 1" in diameter), dark olive brown (2.5YR 3/3) below 25 ft BGS							
26				AGW-14-25		20	>50	0.1
28								
30	- trace gravel (less than 0.5" in diameter), olive brown (2.5YR 4/3), dry below 30 ft BGS							
32	END OF BOREHOLE @ 31.5ft BGS	31.50						
34								

WELL DETAILS
Screened interval:
10.00 to 30.00ft BGS
Length: 20ft
Diameter: 2in

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: 2805 SEAT
PROJECT NUMBER: 241799
CLIENT: Shell Oil Products USA
LOCATION: 2805 SW Roxbury Street
Seattle, Washington

HOLE DESIGNATION: AGW-14
DATE COMPLETED: December 8, 2009
DRILLING METHOD: HSA
FIELD PERSONNEL: J. Song

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (%)	BLOW COUNTS	PID [ppm]
36			Slot Size: 10 Material: PVC Seal: 2.00 to 8.00ft BGS Material: BENTONITE Sand Pack: 8.00 to 31.50ft BGS Material: SAND					
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: 2805 SEAT
PROJECT NUMBER: 241799
CLIENT: Shell Oil Products USA
LOCATION: 2805 SW Roxbury Street
Seattle, Washington

HOLE DESIGNATION: SB-2
DATE COMPLETED: December 9, 2009
DRILLING METHOD: HSA
FIELD PERSONNEL: J. Song

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	BLOW COUNTS	PID [ppm]
	ASPHALT	0.50	CONCRETE					
	SP-SAND, trace gravel, medium dense, fine to medium grained, well graded, olive brown (2.5YR 4/3), dry, no odor, no staining (FILL)							
	- Air Knife was used from 0 to 5 ft BGS		BENTONITE CHIPS	SB-2-5		80	6 6 13	0.4
	SP-SAND, with gravel, very dense, fine to medium grained sand, rounded gravel (1" in diameter), well graded, olive brown (2.5YR 4/3), wet, no odor, no staining	10.00	8"Ø BOREHOLE	SB-2-10		33	>50	0.3
	- trace gravel (less than 0.5" in diameter), olive brown (5YR 4/3), dry below 15 ft BGS			SB-2-15		33	>50	0.2
	SC-CLAYEY SAND, very dense, fine grained, poorly graded, dark greenish gray (10YR 4/1), wet, no odor, no staining	20.00	▽	SB-2-20		33	>50	0.8
	- moist below 25 ft BGS			SB-2-25		33	>50	12.1
	END OF BOREHOLE @ 26.5ft BGS	26.50						

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽
CHEMICAL ANALYSIS ⬭

OVERBURDEN LOG 241799.GPJ CRA_CORP.GDT 8/24/10

APPENDIX F

LABORATORY ANALYTICAL REPORTS

Calscience
Environmental
Laboratories, Inc.

December 23, 2009

Justin Foslien
Conestoga-Rovers & Associates
1420 80th St. SW, Suite A
Everett, WA 98203-6248

Subject: **Calscience Work Order No.: 09-12-1068**
Client Reference: 2805 SW Roxbury Street, Seattle, WA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/11/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Philip Hamelle for

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
1420 80th St. SW, Suite A
Everett, WA 98203-6248

Date Received:	12/11/09
Work Order No:	09-12-1068
Preparation:	EPA 3050B
Method:	EPA 6020

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SO-241799-120909-JS-SB2-5	**09-12-1068-1-C**	**12/09/09 08:50**	**Solid**	**ICP/MS 03**	**12/16/09**	**12/17/09 22:26**	**091216L01**

Parameter	Result	RL	DF	Qual	Units
Lead	10.4	1.00	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SO-241799-120909-JS-SB2-15	**09-12-1068-2-C**	**12/09/09 09:00**	**Solid**	**ICP/MS 03**	**12/16/09**	**12/17/09 22:32**	**091216L01**

Parameter	Result	RL	DF	Qual	Units
Lead	2.11	1.00	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**096-10-002-1,644**	**N/A**	**Solid**	**ICP/MS 03**	**12/16/09**	**12/16/09 16:10**	**091216L01**

Parameter	Result	RL	DF	Qual	Units
Lead	ND	1.00	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	12/11/09
1420 80th St. SW, Suite A		Work Order No:	09-12-1068
Everett, WA 98203-6248		Preparation:	EPA 3550B
		Method:	NWTPH-Dx
		Units:	mg/kg

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SO-241799-120909-JS-SB2-5	**09-12-1068-1-A**	**12/09/09 08:50**	**Solid**	**GC 43**	**12/15/09**	**12/15/09 22:25**	**091215B08**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	46	5.0	1		TPH as Motor Oil Range	290	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SO-241799-120909-JS-SB2-15	**09-12-1068-2-A**	**12/09/09 09:00**	**Solid**	**GC 43**	**12/15/09**	**12/15/09 22:04**	**091215B08**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	5.0	1		TPH as Motor Oil Range	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-838-56**	**N/A**	**Solid**	**GC 43**	**12/15/09**	**12/15/09 20:23**	**091215B08**

Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	111	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	12/11/09
1420 80th St. SW, Suite A		Work Order No:	09-12-1068
Everett, WA 98203-6248		Preparation:	EPA 3510C
		Method:	NWTPH-Dx
		Units:	ug/L

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-241799-120909-JS-SB2	**09-12-1068-3-H**	**12/09/09 11:10**	**Aqueous**	**GC 46**	**12/16/09**	**12/18/09 23:19**	**091216B11**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-840-172**	**N/A**	**Aqueous**	**GC 46**	**12/16/09**	**12/17/09 19:57**	**091216B11**

Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	89	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/11/09
1420 80th St. SW, Suite A	Work Order No:	09-12-1068
Everett, WA 98203-6248	Preparation:	EPA 5030B
	Method:	NWTPH-Gx

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-241799-120909-JS-SB2	**09-12-1068-3-D**	**12/09/09 11:10**	**Aqueous**	**GC 29**	**12/16/09**	**12/16/09 15:44**	**091216B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	290	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Trip Blank	**09-12-1068-4-B**	**12/09/09 00:00**	**Aqueous**	**GC 29**	**12/16/09**	**12/16/09 16:18**	**091216B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	80	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-743-407**	**N/A**	**Aqueous**	**GC 29**	**12/16/09**	**12/16/09 10:07**	**091216B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	12/11/09
1420 80th St. SW, Suite A		Work Order No:	09-12-1068
Everett, WA 98203-6248		Preparation:	EPA 5035
		Method:	NWTPH-Gx

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SO-241799-120909-JS-SB2-5	**09-12-1068-1-J**	**12/09/09 08:50**	**Solid**	**GC 22**	**12/09/09**	**12/17/09 02:13**	**091216B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.26	1.02		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SO-241799-120909-JS-SB2-15	**09-12-1068-2-J**	**12/09/09 09:00**	**Solid**	**GC 22**	**12/09/09**	**12/17/09 02:46**	**091216B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.22	0.883		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-848-74**	**N/A**	**Solid**	**GC 22**	**12/16/09**	**12/16/09 10:39**	**091216B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.25	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	60-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
1420 80th St. SW, Suite A
Everett, WA 98203-6248

Date Received: 12/11/09
Work Order No: 09-12-1068
Preparation: EPA 5035
Method: EPA 8260B
Units: mg/kg

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SO-241799-120909-JS-SB2-5	**09-12-1068-1-G**	**12/09/09 08:50**	**Solid**	**GC/MS XX**	**12/09/09**	**12/15/09 14:39**	**091215L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1.04		Toluene	ND	0.0010	1.04	
Ethylbenzene	ND	0.0010	1.04		Xylenes (total)	ND	0.0021	1.04	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	113	71-137			1,2-Dichloroethane-d4	126	58-160		
1,4-Bromofluorobenzene	93	66-126			Toluene-d8	101	87-111		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SO-241799-120909-JS-SB2-15	**09-12-1068-2-F**	**12/09/09 09:00**	**Solid**	**GC/MS PP**	**12/09/09**	**12/14/09 21:04**	**091214L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.00082	0.822		Toluene	ND	0.00082	0.822	
Ethylbenzene	ND	0.00082	0.822		Xylenes (total)	ND	0.0016	0.822	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	117	71-137			1,2-Dichloroethane-d4	116	58-160		
1,4-Bromofluorobenzene	94	66-126			Toluene-d8	99	87-111		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-18,619**	**N/A**	**Solid**	**GC/MS PP**	**12/14/09**	**12/14/09 16:04**	**091214L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Toluene	ND	0.0010	1	
Ethylbenzene	ND	0.0010	1		Xylenes (total)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	110	71-137			1,2-Dichloroethane-d4	108	58-160		
1,4-Bromofluorobenzene	95	66-126			Toluene-d8	98	87-111		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-18,622**	**N/A**	**Solid**	**GC/MS XX**	**12/15/09**	**12/15/09 12:44**	**091215L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Toluene	ND	0.0010	1	
Ethylbenzene	ND	0.0010	1		Xylenes (total)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	71-137			1,2-Dichloroethane-d4	105	58-160		
1,4-Bromofluorobenzene	89	66-126			Toluene-d8	101	87-111		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	12/11/09
1420 80th St. SW, Suite A		Work Order No:	09-12-1068
Everett, WA 98203-6248		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-241799-120909-JS-SB2	**09-12-1068-3-A**	**12/09/09 11:10**	**Aqueous**	**GC/MS X**	**12/12/09**	**12/12/09 20:42**	**091212L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	69	0.50	1		Toluene	18	1.0	1	
Ethylbenzene	3.6	1.0	1		Xylenes (total)	43	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	80-132			1,2-Dichloroethane-d4	104	80-141		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	97	76-120		

Trip Blank	**09-12-1068-4-A**	**12/09/09 00:00**	**Aqueous**	**GC/MS X**	**12/12/09**	**12/12/09 20:13**	**091212L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Toluene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Xylenes (total)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	114	80-132			1,2-Dichloroethane-d4	112	80-141		
Toluene-d8	105	80-120			1,4-Bromofluorobenzene	97	76-120		

Method Blank	**099-10-006-31,622**	**N/A**	**Aqueous**	**GC/MS X**	**12/12/09**	**12/12/09 11:57**	**091212L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Toluene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Xylenes (total)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	80-132			1,2-Dichloroethane-d4	106	80-141		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	96	76-120		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
1420 80th St. SW, Suite A
Everett, WA 98203-6248

Date Received: 12/11/09
Work Order No: 09-12-1068
Preparation: EPA 3050B
Method: EPA 6020

Project 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-12-1292-1	**Solid**	**ICP/MS 03**	**12/16/09**	**12/16/09**	**091216S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	97	96	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
1420 80th St. SW, Suite A
Everett, WA 98203-6248

Date Received: 12/11/09
Work Order No: 09-12-1068
Preparation: EPA 3550B
Method: NWTPH-Dx

Project 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SO-241799-120909-JS-SB2-15	**Solid**	**GC 43**	**12/15/09**	**12/15/09**	**091215S08**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel Range	101	114	64-130	12	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
1420 80th St. SW, Suite A
Everett, WA 98203-6248

Date Received: 12/11/09
Work Order No: 09-12-1068
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-12-1358-1	**Aqueous**	**GC 29**	**12/16/09**	**12/16/09**	**091216S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	90	91	68-122	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
1420 80th St. SW, Suite A
Everett, WA 98203-6248

Date Received: 12/11/09
Work Order No: 09-12-1068
Preparation: EPA 5030B
Method: EPA 8260B

Project 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-12-0781-14	**Aqueous**	**GC/MS X**	**12/12/09**	**12/12/09**	**091212S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	101	72-120	2	0-20	
Toluene	113	117	74-122	4	0-20	
Ethylbenzene	110	111	78-120	1	0-20	
Methyl-t-Butyl Ether (MTBE)	93	102	72-126	8	0-21	
Tert-Butyl Alcohol (TBA)	89	89	72-126	1	0-20	
Diisopropyl Ether (DIPE)	99	107	71-137	9	0-23	
Ethyl-t-Butyl Ether (ETBE)	89	97	74-128	9	0-20	
Tert-Amyl-Methyl Ether (TAME)	88	94	76-124	7	0-20	
Ethanol	111	98	35-167	13	0-48	
1,1-Dichloroethene	114	119	60-132	4	0-24	
1,2-Dibromoethane	100	98	80-120	1	0-20	
1,2-Dichlorobenzene	93	97	80-120	4	0-20	
Carbon Tetrachloride	113	121	63-135	7	0-20	
Chlorobenzene	102	103	80-120	1	0-20	
Trichloroethene	109	108	69-120	1	0-20	
Vinyl Chloride	105	102	58-130	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
1420 80th St. SW, Suite A
Everett, WA 98203-6248

Date Received: N/A
Work Order No: 09-12-1068
Preparation: EPA 3050B
Method: EPA 6020

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-10-002-1,644	**Solid**	**ICP/MS 03**	**12/16/09**	**12/16/09**	**091216L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	99	99	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
1420 80th St. SW, Suite A		Work Order No:	09-12-1068
Everett, WA 98203-6248		Preparation:	EPA 3550B
		Method:	NWTPH-Dx

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-838-56	**Solid**	**GC 43**	**12/15/09**	**12/15/09**	**091215B08**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel Range	104	103	75-123	1	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
1420 80th St. SW, Suite A		Work Order No:	09-12-1068
Everett, WA 98203-6248		Preparation:	EPA 3510C
		Method:	NWTPH-Dx

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-840-172	**Aqueous**	**GC 46**	**12/16/09**	**12/17/09**	**091216B11**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel Range	81	76	75-117	7	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received:	N/A
1420 80th St. SW, Suite A	Work Order No:	09-12-1068
Everett, WA 98203-6248	Preparation:	EPA 5030B
	Method:	NWTPH-Gx

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-743-407	**Aqueous**	**GC 29**	**12/16/09**	**12/16/09**	**091216B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	92	91	78-120	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates		Date Received:	N/A
1420 80th St. SW, Suite A		Work Order No:	09-12-1068
Everett, WA 98203-6248		Preparation:	EPA 5035
		Method:	NWTPH-Gx

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-848-74	**Solid**	**GC 22**	**12/16/09**	**12/16/09**	**091216B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	91	94	55-139	4	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
1420 80th St. SW, Suite A
Everett, WA 98203-6248

Date Received: N/A
Work Order No: 09-12-1068
Preparation: EPA 5035
Method: EPA 8260B

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-18,619	**Solid**	**GC/MS PP**	**12/14/09**	**12/14/09**	**091214L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	87	89	85-115	80-120	3	0-11	
Carbon Tetrachloride	107	114	68-134	57-145	7	0-14	
Chlorobenzene	93	97	83-119	77-125	4	0-9	
1,2-Dibromoethane	100	101	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	89	89	57-135	44-148	0	0-10	
1,1-Dichloroethene	87	94	72-120	64-128	7	0-10	
Ethylbenzene	88	91	80-120	73-127	4	0-20	
Toluene	87	89	67-127	57-137	2	0-10	
Trichloroethene	91	95	88-112	84-116	5	0-9	
Vinyl Chloride	86	89	57-129	45-141	3	0-16	
Methyl-t-Butyl Ether (MTBE)	103	102	76-124	68-132	0	0-12	
Tert-Butyl Alcohol (TBA)	104	101	31-145	12-164	3	0-23	
Diisopropyl Ether (DIPE)	90	93	74-128	65-137	3	0-10	
Ethyl-t-Butyl Ether (ETBE)	95	97	77-125	69-133	2	0-9	
Tert-Amyl-Methyl Ether (TAME)	101	100	81-123	74-130	1	0-10	
Ethanol	84	86	44-152	26-170	3	0-24	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
1420 80th St. SW, Suite A
Everett, WA 98203-6248

Date Received: N/A
Work Order No: 09-12-1068
Preparation: EPA 5035
Method: EPA 8260B

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-18,622	**Solid**	**GC/MS XX**	**12/15/09**	**12/15/09**	**091215L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	108	109	85-115	80-120	1	0-11	
Carbon Tetrachloride	92	94	68-134	57-145	2	0-14	
Chlorobenzene	106	107	83-119	77-125	1	0-9	
1,2-Dibromoethane	101	102	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	102	104	57-135	44-148	2	0-10	
1,1-Dichloroethene	100	101	72-120	64-128	1	0-10	
Ethylbenzene	110	111	80-120	73-127	2	0-20	
Toluene	108	109	67-127	57-137	1	0-10	
Trichloroethene	107	108	88-112	84-116	1	0-9	
Vinyl Chloride	97	100	57-129	45-141	3	0-16	
Methyl-t-Butyl Ether (MTBE)	97	98	76-124	68-132	1	0-12	
Tert-Butyl Alcohol (TBA)	112	115	31-145	12-164	3	0-23	
Diisopropyl Ether (DIPE)	101	102	74-128	65-137	1	0-10	
Ethyl-t-Butyl Ether (ETBE)	97	99	77-125	69-133	2	0-9	
Tert-Amyl-Methyl Ether (TAME)	100	101	81-123	74-130	1	0-10	
Ethanol	111	110	44-152	26-170	1	0-24	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
1420 80th St. SW, Suite A
Everett, WA 98203-6248

Date Received: N/A
Work Order No: 09-12-1068
Preparation: EPA 5030B
Method: EPA 8260B

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-31,622	**Aqueous**	**GC/MS X**	**12/12/09**	**12/12/09**	**091212L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	102	80-122	73-129	7	0-20	
Carbon Tetrachloride	122	120	68-140	56-152	2	0-20	
Chlorobenzene	106	104	80-120	73-127	2	0-20	
1,2-Dibromoethane	97	100	80-121	73-128	3	0-20	
1,2-Dichlorobenzene	115	118	80-120	73-127	2	0-20	
1,1-Dichloroethene	123	110	72-132	62-142	11	0-25	
Ethylbenzene	111	114	80-126	72-134	2	0-20	
Toluene	116	116	80-121	73-128	0	0-20	
Trichloroethene	112	114	80-123	73-130	1	0-20	
Vinyl Chloride	110	105	67-133	56-144	5	0-20	
Methyl-t-Butyl Ether (MTBE)	102	101	75-123	67-131	1	0-20	
Tert-Butyl Alcohol (TBA)	89	92	75-123	67-131	4	0-20	
Diisopropyl Ether (DIPE)	107	106	71-131	61-141	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	96	96	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	89	78	80-123	73-130	13	0-20	ME
Ethanol	108	97	61-139	48-152	10	0-27	

Total number of LCS compounds : 16
Total number of ME compounds : 1
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-12-1068

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
☒ CALSCIENCE (Garden Grove)
☐ SPL Houston ( )
☐ XENCO ( )
☐ TEST AMERICA ( )
☐ OTHER ( )

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☒ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER

Print Bill To Contact Name: Justin Foslien-241799-2009-3

INCIDENT # (ENV SERVICES): 9 0 8 7 7 1 9 ☐ CHECK IF NO INCIDENT # APPLIES

PO #: 4 0 - 4 0 2 1 3 1 8

SAP #: 1 2 1 0 3 8

DATE: 12/8/09
PAGE: 1 of 1

SAMPLING COMPANY: Conestoga-Rovers & Associates
LOG CODE:
ADDRESS: 1420 80th St SW, Suite , Everett, WA 98203
PROJECT CONTACT (Hardcopy or PDF Report to): Justin Foslien. copy to shell.lab.billing@craworld.com
TELEPHONE: 425-212-5100
FAX: 425-212-5199
E-MAIL: jfoslien@craworld.com

SITE ADDRESS: Street and City: 2805 SW Roxbury St, Seattle
State: WA
GLOBAL ID NO.:
EDF DELIVERABLE TO (Name, Company, Office Location): Christine Schweigert, CRA, Everett
PHONE NO.: 425-212-5100
E-MAIL: cschweigert@CRAworld.com
CONSULTANT PROJECT NO.:
SAMPLER NAME(S) (Print): Jing Song
LAB USE ONLY: 12-1068

TURNAROUND TIME (CALENDAR DAYS): ☒ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
VERY IMPORTANT!!!
See Laboratory PM for WA Dept. of Ecology MTCA Method A cleanup levels for minimum detection limits

☒ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☒ RECEIPT VERIFICATION REQUESTED

TEMPERATURE ON RECEIPT C°: Yes

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	DATE	TIME	MATRIX	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	NWTPH-Gx	NWTPH-Dx w/Silica Gel Cleanup	BTEX (8260B)	5 Oxygenates, MTBE, TBA, DIPE, TAME, ETBE (8260B)	EDC (8260B)	EDC (8011)	Total Lead (6020)	PCBs (8082)	PAHs (8070 SIM)	VOCs Full list (8260B)	Pest (8080)	NWTPH-VPH	NWTPH-EPH	n-Hexane (9071B)	Container PID Readings or Laboratory Notes
1	SO-241799-120909-JS-SB0-5	12/9/09	0800	SO						9	X	X	X				X								
2	SO-241799-120909-JS-SB0-15	12/9/09	0900	SO						9	X	X	X				X								
3	GW-241799-120909-JS-SB-2	12/9/09	1110	GW						8	X	X	X												
4	trip blank	12/9/09		GW						2	X	X	X												

Sampling columns: DATE, TIME. Preservative columns: HCL, HNO3, H2SO4, NONE, OTHER.

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	FedEx	~~12/9/08~~ 12/9/09	1600
FedEx 870479423130	Wdbati CEL	12/11/09	1130

05/2/08 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-12-1068

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 12/11/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.5 °C - 0.8 °C (CF) = 2.7 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** WB

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A **Initial:** WB

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** PS

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐ PS 12/11/09	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☑8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☑6 TerraCores® ☑2 60 ml PJ

Water: ☐VOA ☑b VOA**h** ☑2 ☐VOA**na₂** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na₂** ☐1AGB**s** ☐500AGB ☑500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na₂** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:** 091116A **Checked by:** PS

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelop **Reviewed by:** WB

Preservative: **h:** HCL **n:** HNO3 **na₂:** $Na_2S_2O_3$ **Na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** PS

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-12-1068

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Samples NOT RECEIVED but listed on COC**
- ☐ **Samples received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☑ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s)/preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☐ **Sample labels do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Containers**
  - ☐ **Analysis**
- ☐ **Sample containers compromised** – Note in comments
  - ☐ **Leaking**
  - ☐ **Broken**
  - ☐ **Without Labels**
- ☐ **Air sample containers compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(-4) BOTTLE FOR DIESEL NOT RECEIVED.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: PS 12/11/09

Calscience
Environmental
Laboratories, Inc.

January 12, 2010

Dan Koskela
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.: 09-12-2400**
Client Reference: 2805 SW Roxbury Street, Seattle, WA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/31/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Philip Hamelle for

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/31/09
1680 Rogers Avenue		Work Order No:	09-12-2400
San Jose, CA 95112-1105		Preparation:	EPA 3510C
		Method:	NWTPH-Dx
		Units:	ug/L

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-1	**09-12-2400-1-D**	**12/30/09 08:30**	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10 20:13**	**100104B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-2	**09-12-2400-2-D**	**12/30/09 09:00**	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10 20:31**	**100104B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	360	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	110	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-3	**09-12-2400-3-H**	**12/30/09 09:30**	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10 20:49**	**100104B03**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	10000	100	1		TPH as Motor Oil Range	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	110	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-6	**09-12-2400-4-D**	**12/30/09 08:10**	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10 21:07**	**100104B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	250	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/31/09
1680 Rogers Avenue		Work Order No:	09-12-2400
San Jose, CA 95112-1105		Preparation:	EPA 3510C
		Method:	NWTPH-Dx
		Units:	ug/L

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-7	**09-12-2400-5-H**	**12/30/09 09:45**	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10 21:26**	**100104B03**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	1500	100	1		TPH as Motor Oil Range	290	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	111	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-8	**09-12-2400-6-D**	**12/30/09 10:10**	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10 21:44**	**100104B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	180	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-9	**09-12-2400-7-D**	**12/30/09 09:15**	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10 22:21**	**100104B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-10	**09-12-2400-8-D**	**12/30/09 08:40**	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10 22:40**	**100104B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/31/09
1680 Rogers Avenue		Work Order No:	09-12-2400
San Jose, CA 95112-1105		Preparation:	EPA 3510C
		Method:	NWTPH-Dx
		Units:	ug/L

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-11	**09-12-2400-9-D**	**12/30/09 07:20**	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10 22:58**	**100104B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	230	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-12	**09-12-2400-10-D**	**12/30/09 10:25**	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10 23:16**	**100104B03**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	4200	100	1		TPH as Motor Oil Range	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-13	**09-12-2400-11-H**	**12/30/09 07:45**	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10 23:35**	**100104B03**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	2500	100	1		TPH as Motor Oil Range	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	93	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-14	**09-12-2400-12-D**	**12/30/09 07:55**	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10 23:54**	**100104B03**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1		TPH as Motor Oil Range	130	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	94	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/31/09
1680 Rogers Avenue		Work Order No:	09-12-2400
San Jose, CA 95112-1105		Preparation:	EPA 3510C
		Method:	NWTPH-Dx
		Units:	ug/L

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-840-178**	**N/A**	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10 19:19**	**100104B03**

Parameter	Result	RL	DF	Qual
TPH as Diesel Range	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	12/31/09
1680 Rogers Avenue	Work Order No:	09-12-2400
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	NWTPH-Gx

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-1	**09-12-2400-1-C**	**12/30/09 08:30**	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10 16:02**	**100105B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	86	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-2	**09-12-2400-2-C**	**12/30/09 09:00**	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10 16:35**	**100105B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	85	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-3	**09-12-2400-3-C**	**12/30/09 09:30**	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10 17:09**	**100105B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	24000	500	5		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	115	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-6	**09-12-2400-4-C**	**12/30/09 08:10**	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10 17:43**	**100105B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	86	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 12/31/09
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: NWTPH-Gx

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-7	**09-12-2400-5-C**	**12/30/09 09:45**	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10 18:16**	**100105B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	3600	100	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	127	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-8	**09-12-2400-6-C**	**12/30/09 10:10**	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10 18:50**	**100105B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	85	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-9	**09-12-2400-7-C**	**12/30/09 09:15**	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10 19:23**	**100105B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	200	100	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	89	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-10	**09-12-2400-8-C**	**12/30/09 08:40**	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10 19:57**	**100105B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	85	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 12/31/09
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: NWTPH-Gx

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-11	**09-12-2400-9-C**	**12/30/09 07:20**	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10 20:31**	**100105B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-12	**09-12-2400-10-C**	**12/30/09 10:25**	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10 21:38**	**100105B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	15000	500	5		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-13	**09-12-2400-11-C**	**12/30/09 07:45**	**Aqueous**	**GC 25**	**01/06/10**	**01/06/10 15:00**	**100106B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	8600	2500	25		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-14	**09-12-2400-12-C**	**12/30/09 07:55**	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10 22:45**	**100105B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	86	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 12/31/09
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: NWTPH-Gx

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-743-423**	**N/A**	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10 12:40**	**100105B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	82	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-743-425**	**N/A**	**Aqueous**	**GC 25**	**01/06/10**	**01/06/10 04:51**	**100106B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	83	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/31/09
1680 Rogers Avenue		Work Order No:	09-12-2400
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-1	**09-12-2400-1-A**	**12/30/09 08:30**	**Aqueous**	**GC/MS CC**	**01/02/10**	**01/03/10 04:42**	**100102L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	1.7	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	80-132		1,2-Dichloroethane-d4	94	80-141	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	103	76-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-2	**09-12-2400-2-A**	**12/30/09 09:00**	**Aqueous**	**GC/MS CC**	**01/02/10**	**01/03/10 05:13**	**100102L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	80-132		1,2-Dichloroethane-d4	94	80-141	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	103	76-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-6	**09-12-2400-4-A**	**12/30/09 08:10**	**Aqueous**	**GC/MS CC**	**01/02/10**	**01/03/10 05:44**	**100102L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	80-132		1,2-Dichloroethane-d4	95	80-141	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	101	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/31/09
1680 Rogers Avenue		Work Order No:	09-12-2400
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-7	**09-12-2400-5-A**	**12/30/09 09:45**	**Aqueous**	**GC/MS CC**	**01/02/10**	**01/03/10 06:15**	**100102L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	17	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	13	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	80-132			1,2-Dichloroethane-d4	93	80-141		
Toluene-d8	106	80-120			1,4-Bromofluorobenzene	105	76-120		

AGW-8	**09-12-2400-6-A**	**12/30/09 10:10**	**Aqueous**	**GC/MS CC**	**01/02/10**	**01/03/10 06:47**	**100102L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	80-132			1,2-Dichloroethane-d4	95	80-141		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	103	76-120		

AGW-10	**09-12-2400-8-A**	**12/30/09 08:40**	**Aqueous**	**GC/MS CC**	**01/02/10**	**01/03/10 07:18**	**100102L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	80-132			1,2-Dichloroethane-d4	94	80-141		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	100	76-120		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/31/09
1680 Rogers Avenue		Work Order No:	09-12-2400
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-11	**09-12-2400-9-A**	**12/30/09 07:20**	**Aqueous**	**GC/MS CC**	**01/02/10**	**01/03/10 07:49**	**100102L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	80-132		1,2-Dichloroethane-d4	95	80-141	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	101	76-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-12	**09-12-2400-10-B**	**12/30/09 10:25**	**Aqueous**	**GC/MS S**	**01/04/10**	**01/04/10 17:24**	**100104L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	170	5.0	10		Tert-Butyl Alcohol (TBA)	ND	100	10	
Ethylbenzene	950	10	10		Diisopropyl Ether (DIPE)	ND	20	10	
Toluene	650	10	10		Ethyl-t-Butyl Ether (ETBE)	ND	20	10	
Xylenes (total)	2000	10	10		Tert-Amyl-Methyl Ether (TAME)	ND	20	10	
Methyl-t-Butyl Ether (MTBE)	ND	10	10						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	89	80-132		1,2-Dichloroethane-d4	84	80-141	
Toluene-d8	93	80-120		1,4-Bromofluorobenzene	92	76-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-006-31,805**	**N/A**	**Aqueous**	**GC/MS S**	**01/04/10**	**01/04/10 14:12**	**100104L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	80-132		1,2-Dichloroethane-d4	105	80-141	
Toluene-d8	94	80-120		1,4-Bromofluorobenzene	83	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	12/31/09
1680 Rogers Avenue	Work Order No:	09-12-2400
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-006-31,814**	**N/A**	**Aqueous**	**GC/MS CC**	**01/02/10**	**01/03/10 01:36**	**100102L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	80-132		1,2-Dichloroethane-d4	97	80-141	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	100	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	12/31/09
1680 Rogers Avenue	Work Order No:	09-12-2400
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L
Project: 2805 SW Roxbury Street, Seattle, WA		Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-3	**09-12-2400-3-A**	**12/30/09 09:30**	**Aqueous**	**GC/MS BB**	**01/04/10**	**01/04/10 17:01**	**100104L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	1500	100	40	200		1,2-Dichloropropane	ND	100	62	200	
Bromodichloromethane	ND	100	41	200		c-1,3-Dichloropropene	ND	100	11	200	
Bromoform	ND	100	52	200		t-1,3-Dichloropropene	ND	100	44	200	
Bromomethane	ND	200	86	200		Ethylbenzene	1300	100	8.7	200	
Carbon Tetrachloride	ND	100	25	200		Methylene Chloride	ND	200	32	200	
Chlorobenzene	ND	100	14	200		1,1,2,2-Tetrachloroethane	ND	100	35	200	
Chloroethane	ND	100	41	200		Tetrachloroethene	ND	100	52	200	
2-Chloroethyl Vinyl Ether	ND	1000	380	200		Toluene	1400	100	49	200	
Chloroform	ND	100	18	200		1,1,1-Trichloroethane	ND	100	28	200	
Chloromethane	ND	100	49	200		1,1,2-Trichloroethane	ND	100	37	200	
Dibromochloromethane	ND	100	24	200		Trichloroethene	ND	100	26	200	
1,2-Dichlorobenzene	ND	100	22	200		Trichlorofluoromethane	ND	100	44	200	
1,3-Dichlorobenzene	ND	100	16	200		Vinyl Chloride	ND	100	48	200	
1,4-Dichlorobenzene	ND	100	43	200		Xylenes (total)	5400	100	16	200	
Dichlorodifluoromethane	ND	200	64	200		Methyl-t-Butyl Ether (MTBE)	ND	100	29	200	
1,1-Dichloroethane	ND	100	28	200		Tert-Butyl Alcohol (TBA)	ND	2000	800	200	
1,2-Dichloroethane	ND	100	15	200		Diisopropyl Ether (DIPE)	ND	100	24	200	
1,1-Dichloroethene	ND	100	52	200		Ethyl-t-Butyl Ether (ETBE)	ND	100	50	200	
c-1,2-Dichloroethene	ND	100	39	200		Tert-Amyl-Methyl Ether (TAME)	ND	100	24	200	
t-1,2-Dichloroethene	ND	100	44	200							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
1,2-Dichloroethane-d4	114	80-128		Dibromofluoromethane	107	80-127	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	100	68-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	12/31/09
1680 Rogers Avenue	Work Order No:	09-12-2400
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L
Project: 2805 SW Roxbury Street, Seattle, WA		Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-9	**09-12-2400-7-A**	**12/30/09 09:15**	**Aqueous**	**GC/MS BB**	**01/04/10**	**01/04/10 17:29**	**100104L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	28	0.50	0.20	1		1,2-Dichloropropane	ND	0.50	0.31	1	
Bromodichloromethane	ND	0.50	0.20	1		c-1,3-Dichloropropene	ND	0.50	0.055	1	
Bromoform	ND	0.50	0.26	1		t-1,3-Dichloropropene	ND	0.50	0.22	1	
Bromomethane	ND	1.0	0.43	1		Ethylbenzene	0.087	0.50	0.043	1	J
Carbon Tetrachloride	ND	0.50	0.13	1		Methylene Chloride	ND	1.0	0.16	1	
Chlorobenzene	ND	0.50	0.072	1		1,1,2,2-Tetrachloroethane	ND	0.50	0.17	1	
Chloroethane	ND	0.50	0.21	1		Tetrachloroethene	10	0.50	0.26	1	
2-Chloroethyl Vinyl Ether	ND	5.0	1.9	1		Toluene	0.39	0.50	0.25	1	J
Chloroform	0.33	0.50	0.088	1	J	1,1,1-Trichloroethane	ND	0.50	0.14	1	
Chloromethane	ND	0.50	0.25	1		1,1,2-Trichloroethane	ND	0.50	0.19	1	
Dibromochloromethane	ND	0.50	0.12	1		Trichloroethene	2.4	0.50	0.13	1	
1,2-Dichlorobenzene	ND	0.50	0.11	1		Trichlorofluoromethane	ND	0.50	0.22	1	
1,3-Dichlorobenzene	ND	0.50	0.080	1		Vinyl Chloride	ND	0.50	0.24	1	
1,4-Dichlorobenzene	ND	0.50	0.22	1		Xylenes (total)	0.24	0.50	0.081	1	J
Dichlorodifluoromethane	ND	1.0	0.32	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.14	1	
1,1-Dichloroethane	ND	0.50	0.14	1		Tert-Butyl Alcohol (TBA)	ND	10	4.0	1	
1,2-Dichloroethane	ND	0.50	0.075	1		Diisopropyl Ether (DIPE)	ND	0.50	0.12	1	
1,1-Dichloroethene	ND	0.50	0.26	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	0.25	1	
c-1,2-Dichloroethene	3.8	0.50	0.20	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	0.12	1	
t-1,2-Dichloroethene	ND	0.50	0.22	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
1,2-Dichloroethane-d4	109	80-128		Dibromofluoromethane	107	80-127	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	97	68-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 12/31/09
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-13	**09-12-2400-11-A**	**12/30/09 07:45**	**Aqueous**	**GC/MS BB**	**01/04/10**	**01/04/10 17:58**	**100104L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	36	20	8.0	40		1,2-Dichloropropane	ND	20	12	40	
Bromodichloromethane	ND	20	8.2	40		c-1,3-Dichloropropene	ND	20	2.2	40	
Bromoform	ND	20	10	40		t-1,3-Dichloropropene	ND	20	8.9	40	
Bromomethane	ND	40	17	40		Ethylbenzene	510	20	1.7	40	
Carbon Tetrachloride	ND	20	5.1	40		Methylene Chloride	ND	40	6.5	40	
Chlorobenzene	ND	20	2.9	40		1,1,2,2-Tetrachloroethane	ND	20	6.9	40	
Chloroethane	ND	20	8.2	40		Tetrachloroethene	ND	20	10	40	
2-Chloroethyl Vinyl Ether	ND	200	76	40		Toluene	95	20	9.9	40	
Chloroform	24	20	3.5	40		1,1,1-Trichloroethane	ND	20	5.7	40	
Chloromethane	ND	20	9.8	40		1,1,2-Trichloroethane	ND	20	7.5	40	
Dibromochloromethane	ND	20	4.8	40		Trichloroethene	ND	20	5.2	40	
1,2-Dichlorobenzene	ND	20	4.3	40		Trichlorofluoromethane	ND	20	8.7	40	
1,3-Dichlorobenzene	ND	20	3.2	40		Vinyl Chloride	ND	20	9.5	40	
1,4-Dichlorobenzene	ND	20	8.7	40		Xylenes (total)	740	20	3.2	40	
Dichlorodifluoromethane	ND	40	13	40		Methyl-t-Butyl Ether (MTBE)	ND	20	5.7	40	
1,1-Dichloroethane	ND	20	5.6	40		Tert-Butyl Alcohol (TBA)	2200	400	160	40	
1,2-Dichloroethane	ND	20	3.0	40		Diisopropyl Ether (DIPE)	ND	20	4.8	40	
1,1-Dichloroethene	ND	20	10	40		Ethyl-t-Butyl Ether (ETBE)	ND	20	10	40	
c-1,2-Dichloroethene	ND	20	7.9	40		Tert-Amyl-Methyl Ether (TAME)	ND	20	4.7	40	
t-1,2-Dichloroethene	ND	20	8.8	40							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
1,2-Dichloroethane-d4	109	80-128		Dibromofluoromethane	109	80-127	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	99	68-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	12/31/09
1680 Rogers Avenue	Work Order No:	09-12-2400
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L
Project: 2805 SW Roxbury Street, Seattle, WA		Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AGW-14	**09-12-2400-12-B**	**12/30/09 07:55**	**Aqueous**	**GC/MS BB**	**01/05/10**	**01/05/10 14:19**	**100105L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.20	1		1,2-Dichloropropane	ND	0.50	0.31	1	
Bromodichloromethane	ND	0.50	0.20	1		c-1,3-Dichloropropene	ND	0.50	0.055	1	
Bromoform	ND	0.50	0.26	1		t-1,3-Dichloropropene	ND	0.50	0.22	1	
Bromomethane	ND	1.0	0.43	1		Ethylbenzene	ND	0.50	0.043	1	
Carbon Tetrachloride	ND	0.50	0.13	1		Methylene Chloride	ND	1.0	0.16	1	
Chlorobenzene	ND	0.50	0.072	1		1,1,2,2-Tetrachloroethane	ND	0.50	0.17	1	
Chloroethane	ND	0.50	0.21	1		Tetrachloroethene	0.54	0.50	0.26	1	
2-Chloroethyl Vinyl Ether	ND	5.0	1.9	1		Toluene	ND	0.50	0.25	1	
Chloroform	0.15	0.50	0.088	1	J	1,1,1-Trichloroethane	ND	0.50	0.14	1	
Chloromethane	ND	0.50	0.25	1		1,1,2-Trichloroethane	ND	0.50	0.19	1	
Dibromochloromethane	ND	0.50	0.12	1		Trichloroethene	ND	0.50	0.13	1	
1,2-Dichlorobenzene	ND	0.50	0.11	1		Trichlorofluoromethane	ND	0.50	0.22	1	
1,3-Dichlorobenzene	ND	0.50	0.080	1		Vinyl Chloride	ND	0.50	0.24	1	
1,4-Dichlorobenzene	ND	0.50	0.22	1		Xylenes (total)	ND	0.50	0.081	1	
Dichlorodifluoromethane	ND	1.0	0.32	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.14	1	
1,1-Dichloroethane	ND	0.50	0.14	1		Tert-Butyl Alcohol (TBA)	ND	10	4.0	1	
1,2-Dichloroethane	ND	0.50	0.075	1		Diisopropyl Ether (DIPE)	ND	0.50	0.12	1	
1,1-Dichloroethene	ND	0.50	0.26	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	0.25	1	
c-1,2-Dichloroethene	ND	0.50	0.20	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	0.12	1	
t-1,2-Dichloroethene	ND	0.50	0.22	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
1,2-Dichloroethane-d4	109	80-128		Dibromofluoromethane	106	80-127	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	96	68-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received:	12/31/09
Work Order No:	09-12-2400
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-025-1,358**	**N/A**	**Aqueous**	**GC/MS BB**	**01/04/10**	**01/04/10 12:18**	**100104L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.20	1		1,2-Dichloropropane	ND	0.50	0.31	1	
Bromodichloromethane	ND	0.50	0.20	1		c-1,3-Dichloropropene	ND	0.50	0.055	1	
Bromoform	ND	0.50	0.26	1		t-1,3-Dichloropropene	ND	0.50	0.22	1	
Bromomethane	ND	1.0	0.43	1		Ethylbenzene	ND	0.50	0.043	1	
Carbon Tetrachloride	ND	0.50	0.13	1		Methylene Chloride	ND	1.0	0.16	1	
Chlorobenzene	ND	0.50	0.072	1		1,1,2,2-Tetrachloroethane	ND	0.50	0.17	1	
Chloroethane	ND	0.50	0.21	1		Tetrachloroethene	ND	0.50	0.26	1	
2-Chloroethyl Vinyl Ether	ND	5.0	1.9	1		Toluene	ND	0.50	0.25	1	
Chloroform	ND	0.50	0.088	1		1,1,1-Trichloroethane	ND	0.50	0.14	1	
Chloromethane	ND	0.50	0.25	1		1,1,2-Trichloroethane	ND	0.50	0.19	1	
Dibromochloromethane	ND	0.50	0.12	1		Trichloroethene	ND	0.50	0.13	1	
1,2-Dichlorobenzene	ND	0.50	0.11	1		Trichlorofluoromethane	ND	0.50	0.22	1	
1,3-Dichlorobenzene	ND	0.50	0.080	1		Vinyl Chloride	ND	0.50	0.24	1	
1,4-Dichlorobenzene	ND	0.50	0.22	1		Xylenes (total)	ND	0.50	0.081	1	
Dichlorodifluoromethane	ND	1.0	0.32	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.14	1	
1,1-Dichloroethane	ND	0.50	0.14	1		Tert-Butyl Alcohol (TBA)	ND	10	4.0	1	
1,2-Dichloroethane	ND	0.50	0.075	1		Diisopropyl Ether (DIPE)	ND	0.50	0.12	1	
1,1-Dichloroethene	ND	0.50	0.26	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	0.25	1	
c-1,2-Dichloroethene	ND	0.50	0.20	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	0.12	1	
t-1,2-Dichloroethene	ND	0.50	0.22	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
1,2-Dichloroethane-d4	110	80-128		Dibromofluoromethane	100	80-127	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	96	68-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 12/31/09
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 2805 SW Roxbury Street, Seattle, WA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-025-1,360**	**N/A**	**Aqueous**	**GC/MS BB**	**01/05/10**	**01/05/10 13:23**	**100105L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.20	1		1,2-Dichloropropane	ND	0.50	0.31	1	
Bromodichloromethane	ND	0.50	0.20	1		c-1,3-Dichloropropene	ND	0.50	0.055	1	
Bromoform	ND	0.50	0.26	1		t-1,3-Dichloropropene	ND	0.50	0.22	1	
Bromomethane	ND	1.0	0.43	1		Ethylbenzene	ND	0.50	0.043	1	
Carbon Tetrachloride	ND	0.50	0.13	1		Methylene Chloride	ND	1.0	0.16	1	
Chlorobenzene	ND	0.50	0.072	1		1,1,2,2-Tetrachloroethane	ND	0.50	0.17	1	
Chloroethane	ND	0.50	0.21	1		Tetrachloroethene	ND	0.50	0.26	1	
2-Chloroethyl Vinyl Ether	ND	5.0	1.9	1		Toluene	ND	0.50	0.25	1	
Chloroform	ND	0.50	0.088	1		1,1,1-Trichloroethane	ND	0.50	0.14	1	
Chloromethane	ND	0.50	0.25	1		1,1,2-Trichloroethane	ND	0.50	0.19	1	
Dibromochloromethane	ND	0.50	0.12	1		Trichloroethene	ND	0.50	0.13	1	
1,2-Dichlorobenzene	ND	0.50	0.11	1		Trichlorofluoromethane	ND	0.50	0.22	1	
1,3-Dichlorobenzene	ND	0.50	0.080	1		Vinyl Chloride	ND	0.50	0.24	1	
1,4-Dichlorobenzene	ND	0.50	0.22	1		Xylenes (total)	ND	0.50	0.081	1	
Dichlorodifluoromethane	ND	1.0	0.32	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.14	1	
1,1-Dichloroethane	ND	0.50	0.14	1		Tert-Butyl Alcohol (TBA)	ND	10	4.0	1	
1,2-Dichloroethane	ND	0.50	0.075	1		Diisopropyl Ether (DIPE)	ND	0.50	0.12	1	
1,1-Dichloroethene	ND	0.50	0.26	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	0.25	1	
c-1,2-Dichloroethene	ND	0.50	0.20	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	0.12	1	
t-1,2-Dichloroethene	ND	0.50	0.22	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
1,2-Dichloroethane-d4	104	80-128		Dibromofluoromethane	98	80-127	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	97	68-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 12/31/09
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: NWTPH-Gx

Project 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
AGW-1	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10**	**100105S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	98	98	68-122	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.		Date Received:	12/31/09
1680 Rogers Avenue		Work Order No:	09-12-2400
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-01-0019-1	**Aqueous**	**GC 25**	**01/06/10**	**01/06/10**	**100106S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	91	90	68-122	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 12/31/09
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: EPA 8260B

Project 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-12-2471-1	**Aqueous**	**GC/MS CC**	**01/02/10**	**01/03/10**	**100102S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	105	72-120	7	0-20	
Carbon Tetrachloride	102	109	63-135	7	0-20	
Chlorobenzene	90	98	80-120	8	0-20	
1,2-Dibromoethane	102	109	80-120	7	0-20	
1,2-Dichlorobenzene	90	96	80-120	7	0-20	
1,1-Dichloroethene	86	94	60-132	9	0-24	
Ethylbenzene	94	102	78-120	7	0-20	
Toluene	95	101	74-122	7	0-20	
Trichloroethene	107	114	69-120	6	0-20	
Vinyl Chloride	80	85	58-130	5	0-20	
Methyl-t-Butyl Ether (MTBE)	98	108	72-126	8	0-21	
Tert-Butyl Alcohol (TBA)	108	118	72-126	8	0-20	
Diisopropyl Ether (DIPE)	105	114	71-137	8	0-23	
Ethyl-t-Butyl Ether (ETBE)	94	102	74-128	8	0-20	
Tert-Amyl-Methyl Ether (TAME)	104	112	76-124	7	0-20	
Ethanol	108	115	35-167	6	0-48	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 12/31/09
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: EPA 8260B

Project 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-12-2423-1	**Aqueous**	**GC/MS S**	**01/04/10**	**01/04/10**	**100104S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	90	88	72-120	2	0-20	
Carbon Tetrachloride	76	78	63-135	2	0-20	
Chlorobenzene	106	106	80-120	0	0-20	
1,2-Dibromoethane	111	111	80-120	0	0-20	
1,2-Dichlorobenzene	113	116	80-120	3	0-20	
1,1-Dichloroethene	77	79	60-132	2	0-24	
Ethylbenzene	114	112	78-120	2	0-20	
Toluene	91	90	74-122	1	0-20	
Trichloroethene	91	90	69-120	1	0-20	
Vinyl Chloride	66	70	58-130	6	0-20	
Methyl-t-Butyl Ether (MTBE)	78	82	72-126	5	0-21	
Tert-Butyl Alcohol (TBA)	96	91	72-126	5	0-20	
Diisopropyl Ether (DIPE)	82	86	71-137	5	0-23	
Ethyl-t-Butyl Ether (ETBE)	79	83	74-128	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	96	76-124	0	0-20	
Ethanol	87	86	35-167	2	0-48	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 12/31/09
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: EPA 8260B

Project 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-12-2415-4	**Aqueous**	**GC/MS BB**	**01/04/10**	**01/04/10**	**100104S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	108	107	76-124	1	0-20	
Carbon Tetrachloride	94	94	74-134	0	0-20	
Chlorobenzene	104	103	80-120	1	0-20	
1,2-Dibromoethane	104	104	80-120	1	0-20	
1,2-Dichlorobenzene	103	102	80-120	2	0-20	
1,1-Dichloroethene	111	110	73-127	1	0-20	
Ethylbenzene	103	102	78-126	1	0-20	
Toluene	105	106	80-120	0	0-20	
Trichloroethene	106	105	77-120	1	0-20	
Vinyl Chloride	99	103	72-126	4	0-20	
Methyl-t-Butyl Ether (MTBE)	91	93	67-121	2	0-49	
Tert-Butyl Alcohol (TBA)	102	97	36-162	4	0-30	
Diisopropyl Ether (DIPE)	97	98	60-138	2	0-45	
Ethyl-t-Butyl Ether (ETBE)	91	93	69-123	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	95	98	65-120	3	0-20	
Ethanol	110	111	30-180	0	0-72	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 12/31/09
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: EPA 8260B

Project 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-01-0080-4	**Aqueous**	**GC/MS BB**	**01/05/10**	**01/05/10**	**100105S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	108	76-124	1	0-20	
Carbon Tetrachloride	87	91	74-134	5	0-20	
Chlorobenzene	103	103	80-120	0	0-20	
1,2-Dibromoethane	104	106	80-120	2	0-20	
1,2-Dichlorobenzene	104	104	80-120	0	0-20	
1,1-Dichloroethene	104	105	73-127	1	0-20	
Ethylbenzene	101	102	78-126	1	0-20	
Toluene	107	106	80-120	0	0-20	
Trichloroethene	104	105	77-120	1	0-20	
Vinyl Chloride	100	102	72-126	2	0-20	
Methyl-t-Butyl Ether (MTBE)	90	93	67-121	3	0-49	
Tert-Butyl Alcohol (TBA)	103	111	36-162	7	0-30	
Diisopropyl Ether (DIPE)	90	90	60-138	0	0-45	
Ethyl-t-Butyl Ether (ETBE)	89	89	69-123	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	96	96	65-120	0	0-20	
Ethanol	115	136	30-180	17	0-72	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.		Date Received:	N/A
1680 Rogers Avenue		Work Order No:	09-12-2400
San Jose, CA 95112-1105		Preparation:	EPA 3510C
		Method:	NWTPH-Dx

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-840-178	**Aqueous**	**GC 27**	**01/04/10**	**01/04/10**	**100104B03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel Range	107	106	75-117	2	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	09-12-2400
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	NWTPH-Gx

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-743-423	**Aqueous**	**GC 25**	**01/05/10**	**01/05/10**	**100105B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	97	96	78-120	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received:	N/A
Work Order No:	09-12-2400
Preparation:	EPA 5030B
Method:	NWTPH-Gx

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-743-425	**Aqueous**	**GC 25**	**01/06/10**	**01/06/10**	**100106B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	97	95	78-120	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: EPA 8260B

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-31,814	**Aqueous**	**GC/MS CC**	**01/02/10**	**01/03/10**	**100102L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	101	104	80-122	73-129	3	0-20	
Carbon Tetrachloride	105	107	68-140	56-152	2	0-20	
Chlorobenzene	94	98	80-120	73-127	4	0-20	
1,2-Dibromoethane	104	109	80-121	73-128	5	0-20	
1,2-Dichlorobenzene	92	97	80-120	73-127	5	0-20	
1,1-Dichloroethene	91	90	72-132	62-142	1	0-25	
Ethylbenzene	98	102	80-126	72-134	4	0-20	
Toluene	98	100	80-121	73-128	3	0-20	
Trichloroethene	112	117	80-123	73-130	4	0-20	
Vinyl Chloride	83	84	67-133	56-144	1	0-20	
Methyl-t-Butyl Ether (MTBE)	104	107	75-123	67-131	3	0-20	
Tert-Butyl Alcohol (TBA)	103	115	75-123	67-131	11	0-20	
Diisopropyl Ether (DIPE)	109	112	71-131	61-141	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	99	102	76-124	68-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	108	114	80-123	73-130	5	0-20	
Ethanol	102	111	61-139	48-152	8	0-27	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: EPA 8260B

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-31,805	**Aqueous**	**GC/MS S**	**01/04/10**	**01/04/10**	**100104L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	108	97	80-122	73-129	10	0-20	
Carbon Tetrachloride	103	86	68-140	56-152	18	0-20	
Chlorobenzene	105	106	80-120	73-127	1	0-20	
1,2-Dibromoethane	110	110	80-121	73-128	0	0-20	
1,2-Dichlorobenzene	103	110	80-120	73-127	7	0-20	
1,1-Dichloroethene	107	89	72-132	62-142	19	0-25	
Ethylbenzene	111	113	80-126	72-134	2	0-20	
Toluene	110	99	80-121	73-128	11	0-20	
Trichloroethene	107	97	80-123	73-130	10	0-20	
Vinyl Chloride	94	77	67-133	56-144	20	0-20	
Methyl-t-Butyl Ether (MTBE)	103	86	75-123	67-131	18	0-20	
Tert-Butyl Alcohol (TBA)	86	91	75-123	67-131	6	0-20	
Diisopropyl Ether (DIPE)	111	93	71-131	61-141	17	0-20	
Ethyl-t-Butyl Ether (ETBE)	108	91	76-124	68-132	17	0-20	
Tert-Amyl-Methyl Ether (TAME)	115	104	80-123	73-130	10	0-20	
Ethanol	79	84	61-139	48-152	6	0-27	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: EPA 8260B

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-025-1,358	**Aqueous**	**GC/MS BB**	**01/04/10**	**01/04/10**	**100104L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	114	106	80-120	73-127	8	0-20	
Carbon Tetrachloride	107	96	74-134	64-144	11	0-20	
Chlorobenzene	110	100	80-120	73-127	9	0-20	
1,2-Dibromoethane	106	105	79-121	72-128	2	0-20	
1,2-Dichlorobenzene	107	101	80-120	73-127	6	0-20	
1,1-Dichloroethene	119	112	78-126	70-134	7	0-28	
Ethylbenzene	109	100	80-120	73-127	9	0-20	
Toluene	112	105	80-120	73-127	7	0-20	
Trichloroethene	112	104	79-127	71-135	7	0-20	
Vinyl Chloride	104	108	72-132	62-142	4	0-20	
Methyl-t-Butyl Ether (MTBE)	96	98	69-123	60-132	3	0-20	
Tert-Butyl Alcohol (TBA)	99	92	63-123	53-133	7	0-20	
Diisopropyl Ether (DIPE)	103	101	59-137	46-150	2	0-37	
Ethyl-t-Butyl Ether (ETBE)	96	97	69-123	60-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	98	99	70-120	62-128	1	0-20	
Ethanol	123	114	28-160	6-182	8	0-57	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-12-2400
Preparation: EPA 5030B
Method: EPA 8260B

Project: 2805 SW Roxbury Street, Seattle, WA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-025-1,360	**Aqueous**	**GC/MS BB**	**01/05/10**	**01/05/10**	**100105L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	103	106	80-120	73-127	3	0-20	
Carbon Tetrachloride	90	92	74-134	64-144	2	0-20	
Chlorobenzene	100	103	80-120	73-127	3	0-20	
1,2-Dibromoethane	104	109	79-121	72-128	5	0-20	
1,2-Dichlorobenzene	99	104	80-120	73-127	4	0-20	
1,1-Dichloroethene	102	106	78-126	70-134	4	0-28	
Ethylbenzene	98	101	80-120	73-127	3	0-20	
Toluene	104	107	80-120	73-127	3	0-20	
Trichloroethene	102	104	79-127	71-135	2	0-20	
Vinyl Chloride	101	100	72-132	62-142	1	0-20	
Methyl-t-Butyl Ether (MTBE)	87	96	69-123	60-132	10	0-20	
Tert-Butyl Alcohol (TBA)	100	83	63-123	53-133	18	0-20	
Diisopropyl Ether (DIPE)	86	93	59-137	46-150	8	0-37	
Ethyl-t-Butyl Ether (ETBE)	86	94	69-123	60-132	9	0-20	
Tert-Amyl-Methyl Ether (TAME)	89	96	70-120	62-128	7	0-20	
Ethanol	104	95	28-160	6-182	9	0-57	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-12-2400

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- [✓] CALSCIENCE ( )
- [ ] SPL Houston ( )
- [ ] XENCO ( )
- [ ] TEST AMERICA ( )
- [ ] OTHER ( )

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

Print Bill To Contact Name: Jeff Cloud - 241799-2009-3

INCIDENT # (ENV SERVICES): 9 0 8 7 7 7 1 9 ☐ CHECK IF NO INCIDENT # APPLIES

PO #: 4 0 4 0 1 9 8 9 0

SAP #: 1 2 1 0 3 8

DATE: 12/30/09

PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services

LOG CODE:

ADDRESS: 1680 Rogers Avenues, San Jose, Ca

PROJECT CONTACT (Hardcopy or PDF Report to): Dan Koskela - Copy to shell.lab.billing@craworld.com

TELEPHONE: 916-925-2913x101 FAX: 916-925-2891 E-MAIL: dkoskela@blainetech.com

SITE ADDRESS: Street and City: 2805 SW Roxbury Street, Seattle State: WA GLOBAL ID NO.: NA

EDF DELIVERABLE TO (Name, Company, Office Location): Christine Schwolgert, CRA, Everett PHONE NO.: 425-212-5100 E-MAIL: cschweigert@CRAworld.com

CONSULTANT PROJECT NO: 0912300GL1

SAMPLER NAME(S) (Print): S. Lane

LAB USE ONLY: 12-2400

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
Please send an additional copy of Lab Results to:
shell.lab.billing@craworld.com

See Calscience PM for WA Dept. of Ecology MTCA Method A cleanup levels for minimum detection limits

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

TEMPERATURE ON RECEIPT C°

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	DATE	TIME	MATRIX	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	NWTPH-Gx	NWTPH-Dx w/Silica Gel Cleanup	BTEX (8260B)	5 Oxygenates, MTBE, TBA, DIPE, TAME, ETBE (8260B)	EDB (8011), ~~EDC (8260B)~~	HVOCs	Total Lead (6020)	PCBs (8082)	PAHs (8070 SIM)	VOCs Full list (8260B)	Pest (8080)	NWTPH-VPH	NWTPH-EPH	n-Hexane (9071B)	Container PID Readings or Laboratory Notes
1	AGW-1	12/30/09	0830	W	X			X		5	X	X	X	X											
2	AGW-2	↓	0900	W	X			X		5	X	X	X	X											
3	AGW-3	↓	0930	W	X			X		8	X	X	X	X		X									
4	AGW-6	↓	0810	W	X			X		5	X	X	X	X											
5	AGW-7	↓	0945	W	X			X		8	X	X	X	X	X										
6	AGW-8	↓	1010	W	X			X		5	X	X	X	X											
7	AGW-9	↓	0915	W	X			X		8	X	X	X	X		X									
8	AGW-10	↓	0840	W	X			X		5	X	X	X	X											
9	AGW-11	↓	0720	W	X			X		5	X	X	X	X											
10	AGW-12	↓	1025	W	X			X		5	X	X	X	X											

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S. Lane	Shipped via Fed ex	12/30/09	1700
FEDEX	[signature]	12/31/09	10:00

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- [X] CALSCIENCE (______)
- [ ] SPL Houston (______)
- [ ] XENCO (______)
- [ ] TEST AMERICA (______)
- [ ] OTHER (______)

Please Check Appropriate Box:
- [ ] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [X] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER ______

Print Bill To Contact Name: Jeff Cloud - 241799-2009-3

PO #: 4 0 4 0 1 9 8 9 0

INCIDENT # (ENV SERVICES): 9 0 8 7 7 7 1 9

SAP #: 1 2 1 0 3 8

- [ ] CHECK IF NO INCIDENT # APPLIES

DATE: 12/30/09

PAGE: 2 of 2

SAMPLING COMPANY: Blaine Tech Services

LOG CODE:

ADDRESS: 1680 Rogers Avenues, San Jose, Ca

PROJECT CONTACT (Hardcopy or PDF Report to): Dan Koskela - Copy to shell.lab.billing@craworld.com

TELEPHONE: 916-925-2913x101 | FAX: 916-925-2891 | E-MAIL: dkoskela@blainetech.com

SITE ADDRESS: Street and City: 2805 SW Roxbury Street, Seattle | State: WA | GLOBAL ID NO.: NA

EDF DELIVERABLE TO (Name, Company, Office Location): Christina Schweigert, CRA, Everett | PHONE NO.: 425-212-5100 | E-MAIL: cschweigert@CRAworld.com

CONSULTANT PROJECT NO.: 091230-GL1

SAMPLER NAME(S) (Print): S. Lane

LAB USE ONLY: 12-2400

TURNAROUND TIME (CALENDAR DAYS):
- [X] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

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- [ ] EDD NOT NEEDED
- [X] RECEIPT VERIFICATION REQUESTED

TEMPERATURE ON RECEIPT C°

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	Sampling Date	Sampling Time	Matrix	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	NWTPH-Gx	NWTPH-Dx w/Silica Gel Cleanup	BTEX (8260B)	5 Oxygenates, MTBE, TBA, DIPE, TAME, ETBE (8260B)	EDB (8011), EDC (8260B)	HVOCs	Total Lead (6020)	PCBs (8082)	PAHs (8070 SIM)	VOCs Full list (8260B)	Pest (8080)	NWTPH-VPH	NWTPH-EPH	n-Hexane (9071B)	Container PID Readings or Laboratory Notes
11	AGW-13	12/30/09	0745	W	X			X		8	X	X	X	X		X									
12	AGW-14	↓	0755	W	X			X		5	X	X	X	X											

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S. Lane	Shipped via Fed ex	12/30/09	1700
	[signature]	12/31/09	10:00

05/2/06 Revision

FedEx Express US Airbill

FedEx Tracking Number 8682 5000 4840

1 From This portion can be removed for Recipient's records.

Date 12/30/09 FedEx Tracking Number 868250004840

Sender's Name S. Lane Phone 206 391 6845

Company BTS

Address 22727 72nd

Dept./Floor/Suite/Room

City State ZIP 98032

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPEL CONTROL Phone 714 [illegible]

Company CALSCIENCE ENVIRONMENTAL LAB

Recipient's Address 7440 LINCOLN WAY

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City GARDEN GROVE State CA ZIP 92841

8682 5000 4840

2400

4a Express Package Service *Packages up to 150 lb.*

- [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate. * To most locations.

4b Express Freight Service *Packages over 150 lb.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: ** To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [X] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [X] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- [ ] Obtain Recip. Acct. No.

[redacted]

Total Packages Total Weight [redacted]

Credit Card Auth.

† Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

519

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Form ID No. 0215 Recipient's Copy

FedEx Express US Airbill

FedEx Tracking Number 8682 5000 4861

1 From This portion can be removed for Recipient's records.

Date 12/30/09 FedEx Tracking Number 868250004861

Sender's Name S. Lane Phone 206 391 6845

Company BTS

Address 22727 72nd

Dept./Floor/Suite/Room

City State ZIP 98032

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPEL CONTROL Phone 714 [illegible]

Company CALSCIENCE ENVIRONMENTAL LAB

Recipient's Address 7440 LINCOLN WAY

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City GARDEN GROVE State CA ZIP 92841

8682 5000 4861

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FedEx Envelope rate not available. Minimum charge: One-pound rate. * To most locations.

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- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: ** To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [X] Other

* Declared value limit $500.

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- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

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- [ ] Sender — Acct. No. in Section 1 will be billed.
- [X] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- [ ] Obtain Recip. Acct. No.

[redacted]

Total Packages 1 Total Weight 64 [redacted]

Credit Card Auth.

† Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
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519

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-12-2400

SAMPLE RECEIPT FORM

Cooler 1 of 2

CLIENT: BTS DATE: 12/31/09

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.9 °C + 0.5 °C (CF) = 3.4 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: PS

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: PS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: _____

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☑500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** JL

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** YC

Preservative: h: HCL n: HNO3 na_2:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** YC

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-12-2402

SAMPLE RECEIPT FORM

Cooler 2 of 2

CLIENT: BTS DATE: 12/31/09

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.0 °C + 0.5 °C (CF) = 2.5 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: PS

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: PS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: JL

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☑500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** JL

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** YC

Preservative: h: HCL n: HNO3 na_2:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** YC

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Philip Sanelle
CalScience - Garden Grove, CA
7440 Lincoln Way

Garden Grove, CA 92841

Report Summary

Monday January 11, 2010

Report Number: L439021
Samples Received: 01/05/10
Client Project: 09-12-2400

Description:

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Philip Sanelle
CalScience - Garden Grove, CA
7440 Lincoln Way
Garden Grove, CA 92841

January 11,2010

ESC Sample # : L439021-01

Date Received : January 05, 2010
Description :

Site ID :

Sample ID : AGW-3

Project # : 09-12-2400

Collected By :
Collection Date : 12/30/09 09:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ethylene Dibromide	BDL	0.010	ug/l	8011	01/08/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 01/11/10 10:24 Printed: 01/11/10 10:24

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Philip Sanelle
CalScience - Garden Grove, CA
7440 Lincoln Way
Garden Grove, CA 92841

January 11,2010

ESC Sample # : L439021-02

Date Received : January 05, 2010
Description :

Site ID :

Sample ID : AGW-7

Project # : 09-12-2400

Collected By :
Collection Date : 12/30/09 09:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ethylene Dibromide	BDL	0.010	ug/l	8011	01/06/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 01/11/10 10:24 Printed: 01/11/10 10:24

ESC
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REPORT OF ANALYSIS

Philip Sanelle
CalScience - Garden Grove, CA
7440 Lincoln Way
Garden Grove, CA 92841

January 11,2010

ESC Sample # : L439021-03

Date Received : January 05, 2010
Description :

Site ID :

Sample ID : AGW-9

Project # : 09-12-2400

Collected By :
Collection Date : 12/30/09 09:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ethylene Dibromide	BDL	0.010	ug/l	8011	01/06/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 01/11/10 10:24 Printed: 01/11/10 10:24

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

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Mt. Juliet, TN 37122
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1-800-767-5859
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Est. 1970

REPORT OF ANALYSIS

Philip Sanelle
CalScience - Garden Grove, CA
7440 Lincoln Way
Garden Grove, CA 92841

January 11,2010

ESC Sample # : L439021-04

Date Received : January 05, 2010
Description :

Site ID :

Sample ID : AGW-13

Project # : 09-12-2400

Collected By :
Collection Date : 12/30/09 07:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Ethylene Dibromide	BDL	0.010	ug/l	8011	01/06/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 01/11/10 10:24 Printed: 01/11/10 10:24

Summary of Remarks For Samples Printed
01/11/10 at 10:24:36

TSR Signing Reports: 134
R5 - Desired TAT

Use ESC key CALSCIGCA-SHELLAK for all Shell Alaska work Incidence # = project number SAP # =
Site ID Site Address = project name

Sample: L439021-01 Account: CALSCIGCA Received: 01/05/10 12:30 Due Date: 01/12/10 00:00 RPT Date: 01/11/10 10:24

Sample: L439021-02 Account: CALSCIGCA Received: 01/05/10 12:30 Due Date: 01/12/10 00:00 RPT Date: 01/11/10 10:24

Sample: L439021-03 Account: CALSCIGCA Received: 01/05/10 12:30 Due Date: 01/12/10 00:00 RPT Date: 01/11/10 10:24

Sample: L439021-04 Account: CALSCIGCA Received: 01/05/10 12:30 Due Date: 01/12/10 00:00 RPT Date: 01/11/10 10:24

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

YOUR LAB OF CHOICE

CalScience - Garden Grove, CA
Philip Sanelle
7440 Lincoln Way
Garden Grove, CA 92841

Quality Assurance Report
Level II

L439021

January 11, 2010

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Ethylene Dibromide	< .00001	mg/l			WG458011	01/06/10 14:52

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Ethylene Dibromide	mg/l	0	0	0	50	L438820-12	WG458011

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Ethylene Dibromide	mg/l	.00025	0.000241	96.3	70-130	WG458011

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Ethylene Dibromide	mg/l	0.000252	0.000242	101.	70-130	4.15	40	WG458011

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Ethylene Dibromide	mg/l	0.000105	0	.0001	105.	60-140	L438820-11	WG458011

Batch number /Run number / Sample number cross reference

WG458011: R1066431: L439021-01 02 03 04

* * Calculations are performed prior to rounding of reported values .
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

ESC LAB SCIENCES
YOUR LAB OF CHOICE

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

CalScience - Garden Grove, CA
Philip Sanelle
7440 Lincoln Way

Garden Grove, CA 92841

Quality Assurance Report
Level II

L439021

January 11, 2010

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

TO: ESC

L439021

B057

CHAIN OF CUSTODY RECORD

DATE: 01/04/10

PAGE: 1 OF 1

LABORATORY CLIENT:
Calscience Environmental Laboratories, Inc.

ADDRESS:
7440 Lincoln Way

CITY:
Garden Grove, CA 92841-1427

TEL:
(714) 895-5494

E-MAIL
xdang@calscience.com; psanelle@calscience.com

CLIENT PROJECT NAME / NUMBER:
09-12-2400

PROJECT CONTACT:
Philip Sanelle

SAMPLER(S): (PRINT)
N/A

P.O. NO.:

QUOTE NO.:CALSCIGCA111908S

LAB USE ONLY

TURNAROUND TIME

☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☐ 5 DAYS ☒ 7 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)

☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___ / ___ / ___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	EDB by 8011		
	AGW-3	12/30/09	9:30	W	2	X		-01
	AGW-7	12/30/09	9:45	W	2	X		-02
	AGW-9	12/30/09	9:15	W	2	X		-03
	AGW-13	12/30/09	7:45	W	2	X		-04

Relinquished by: (Signature)		Received by / Affiliation: (Signature)	Date:	Time:
WDeath	(CALSCIENCE)	FedEx 793150140022	1/4/10	1230
Relinquished by: (Signature)		Received by / Affiliation: (Signature)	Date:	Time:
		Dane Bloom	01/5/10	0910
Relinquished by: (Signature)		Received by / Affiliation: (Signature)	Date:	Time:
			OK	

3.8°C

All Vials Received

APPENDIX G

SENSITIVE RECEPTOR SURVEY

SENSITIVE RECEPTOR SEARCH

for the site

121038

2805 SW ROXBURY, SEATTLE WA

performed for

DELTA ENVIRONMENTAL

05-23-2005

444 S CEDROS AVE, SUITE 200 SOLANA BEACH CA 92075 858 793-0641 www.bblenv.com

BBL ENVIRONMENTAL INFORMATION

INTRODUCTION

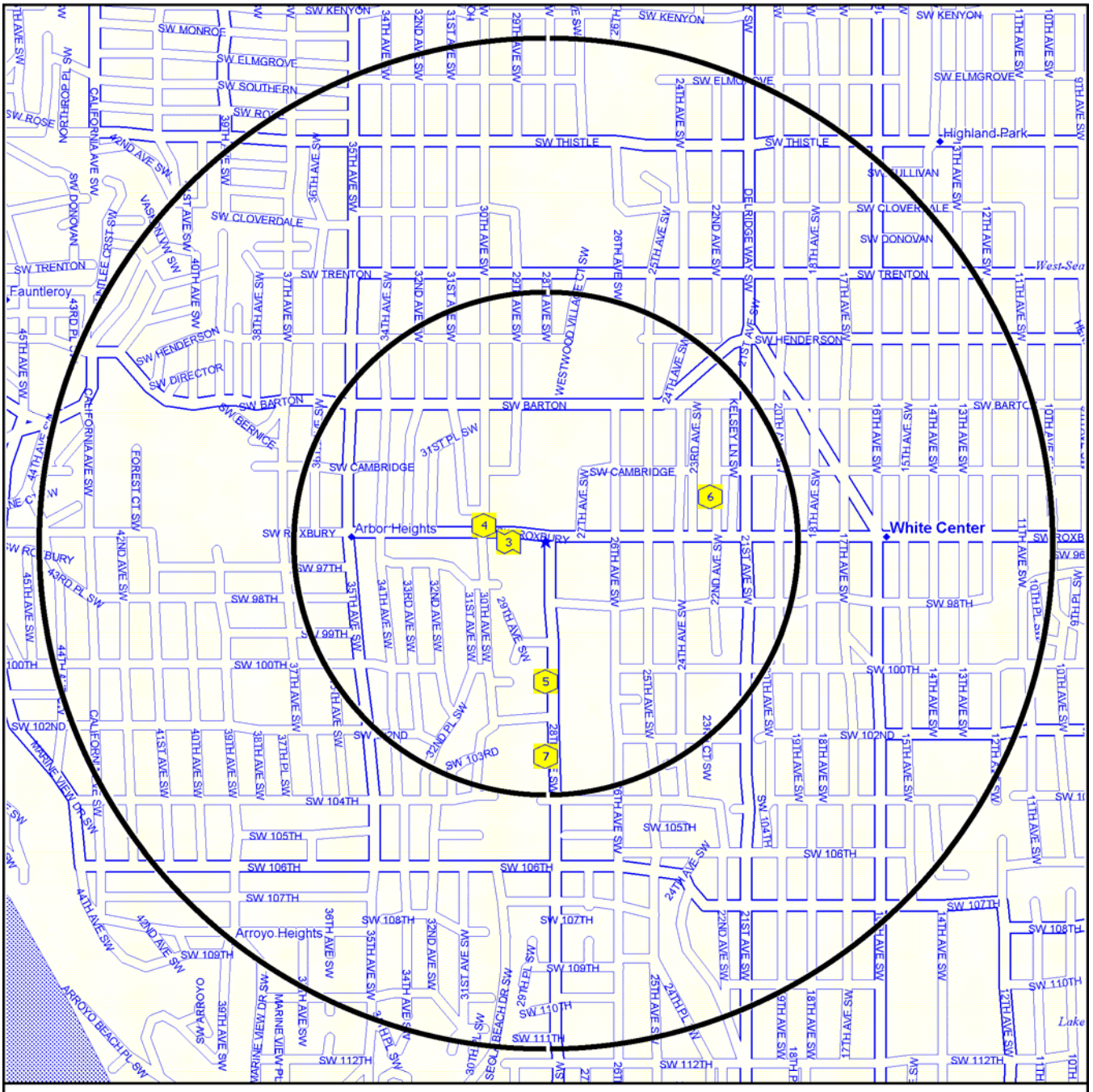
This document, prepared on the request of DELTA ENVIRONMENTAL, reports the findings of BBL's investigation of environmental concerns in the vicinity of 2805 Sw Roxbury, Seattle WA. It is divided in the following segments:

- **Map** - showing the location of the identified sites relative to the subject site.
- **Topographic, Contour, Wetland and Aerial** Map - showing the surrounding area of the subject site.
- **Summary** - listing the identified sites by street names.
- **Final Report** - describing the sources investigated and the resulting findings:

Sensitive Receptors	Pge	Search Dist	Site	< 600'	600-1640'	1640-3280'	3280-5280'	area	un kwn	total
Educational Institutions	1	1/2 mile		1	1	2				4
Hospitals	2	1/2 mile								
Water Wells	2	1 mile		1						1
Leaking Underground Storage Tanks	2	1/2 mile	1	1			1			3
Total References			**1**	**3**	**1**	**2**	**1**			**8**
Total Sites			**1**	**3**	**1**	**2**	**1**			**8**

* The classification by distance takes into consideration physical property sizes by assuming a standard size.

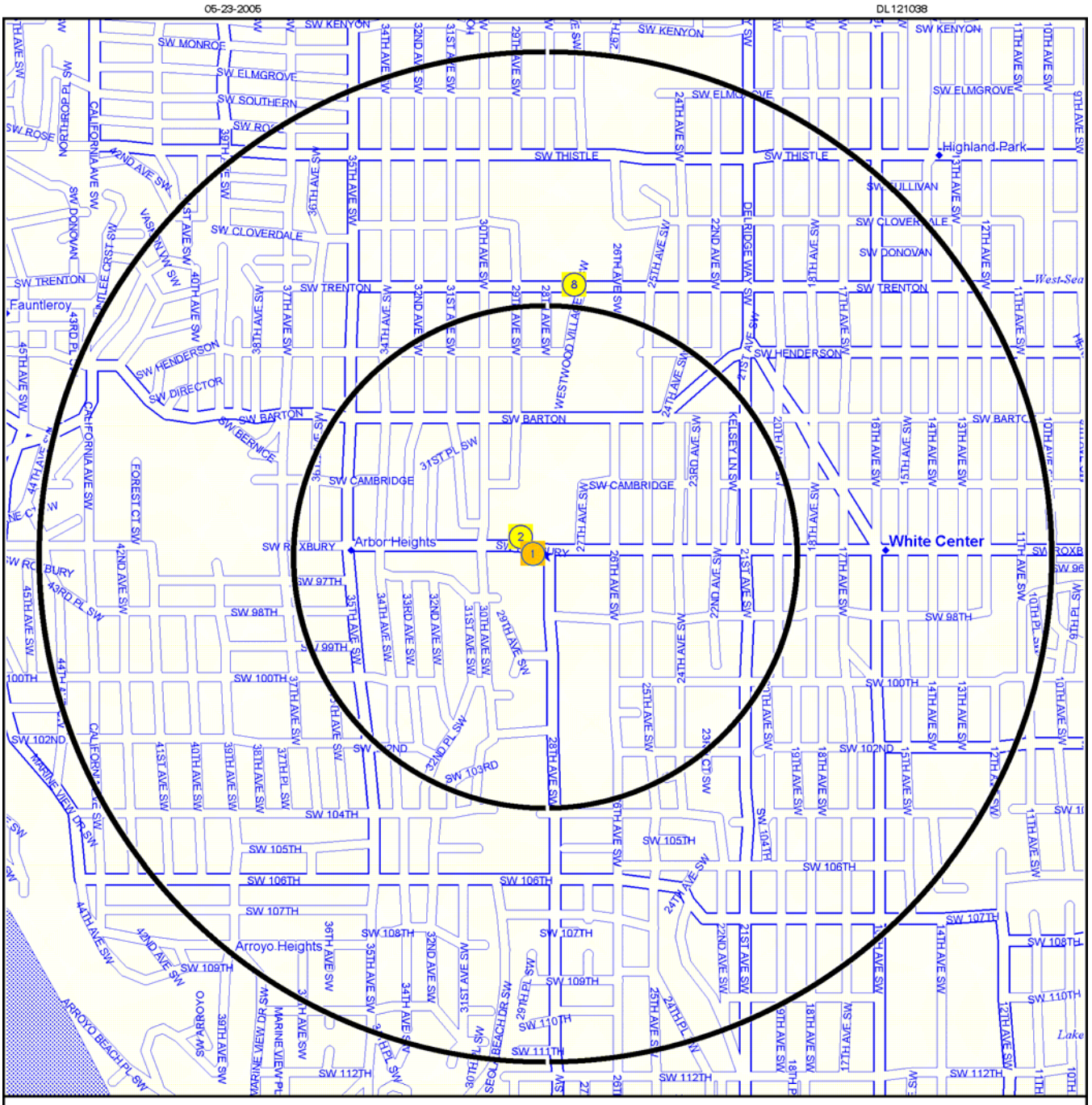
05-23-2005 DL121038



1.6 inches to 1/2 mile (the circles do not include any buffer zone)

- ⬡ SCHOOLS/ UNIVERSITES
- ○ HOSPITALS/ NURSING HOMES
- ▢
- □
- WATER WELLS

APPROXIMATE LOCATION OF IDENTIFIED SITES WITH SENSITIVE RECEPTORS IN THE VICINITY
AT 2805 SW ROXBURY, SEATTLE



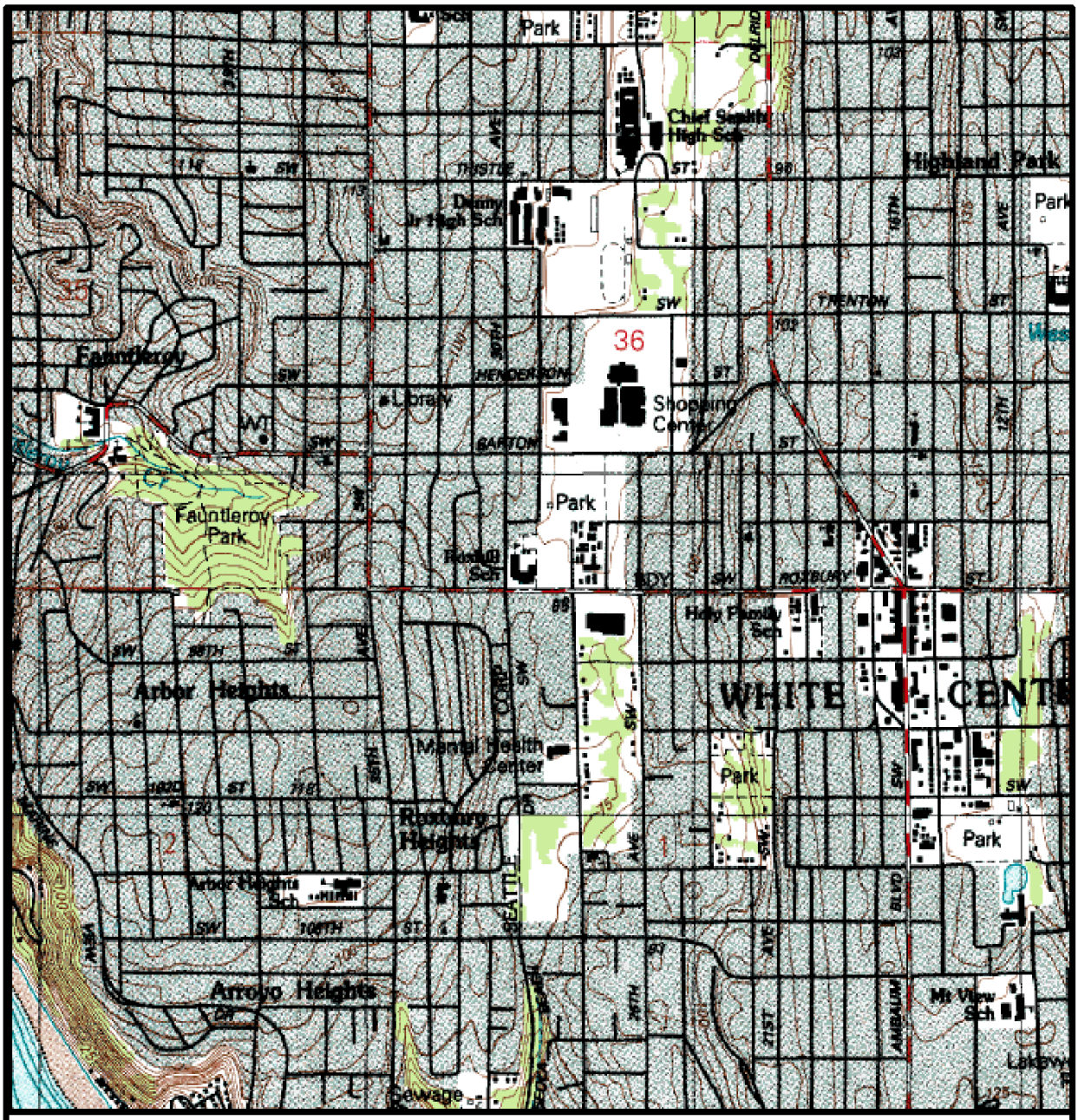
1.6 inches to 1/2 mile (the circles do not include any buffer zone)

- LEAKING UNDERGROUND FUEL TANK WITH 'No Further Action' status
- LEAKING UNDERGROUND FUEL TANK

APPROXIMATE LOCATION OF IDENTIFIED SITES WITH LEAKING TANKS IN THE VICINITY
AT 2805 SW ROXBURY, SEATTLE

1.	TEXACO 63 232 1432	2805	SW ROXBURY ST
2.	EXXON STATION # 7-7043	2851	SW ROXBURY ST
3.	TEXACO	2805	SW ROXBURY
4.	ROXHILL ELEMENTARY SCHOOL	9430	30TH AVE SW
5.	WESTSIDE SCHOOL	10015	28TH AVE SW
6.	COMMUNITY SCHOOL-WEST SEATTLE	9450	22ND AVE SW
7.	SHOREWOOD CHRISTIAN SCHOOL	10300	28TH AVE SW
8.	US POSTAL SERVICE WESTWOOD STA	2721	SW TRENTON ST

INDEX OF SITES LISTED BY MAP NUMBERS



Longitude: -122° 22' 2.9"
Latitude: 47° 31' 1.7"

UTM Easting: 547622 meters
UTM Northing: 5262611 meters
UTM Zone: NAD 10

County: KING

AREA RADON ESTIMATES
KING County (15 sites tested)

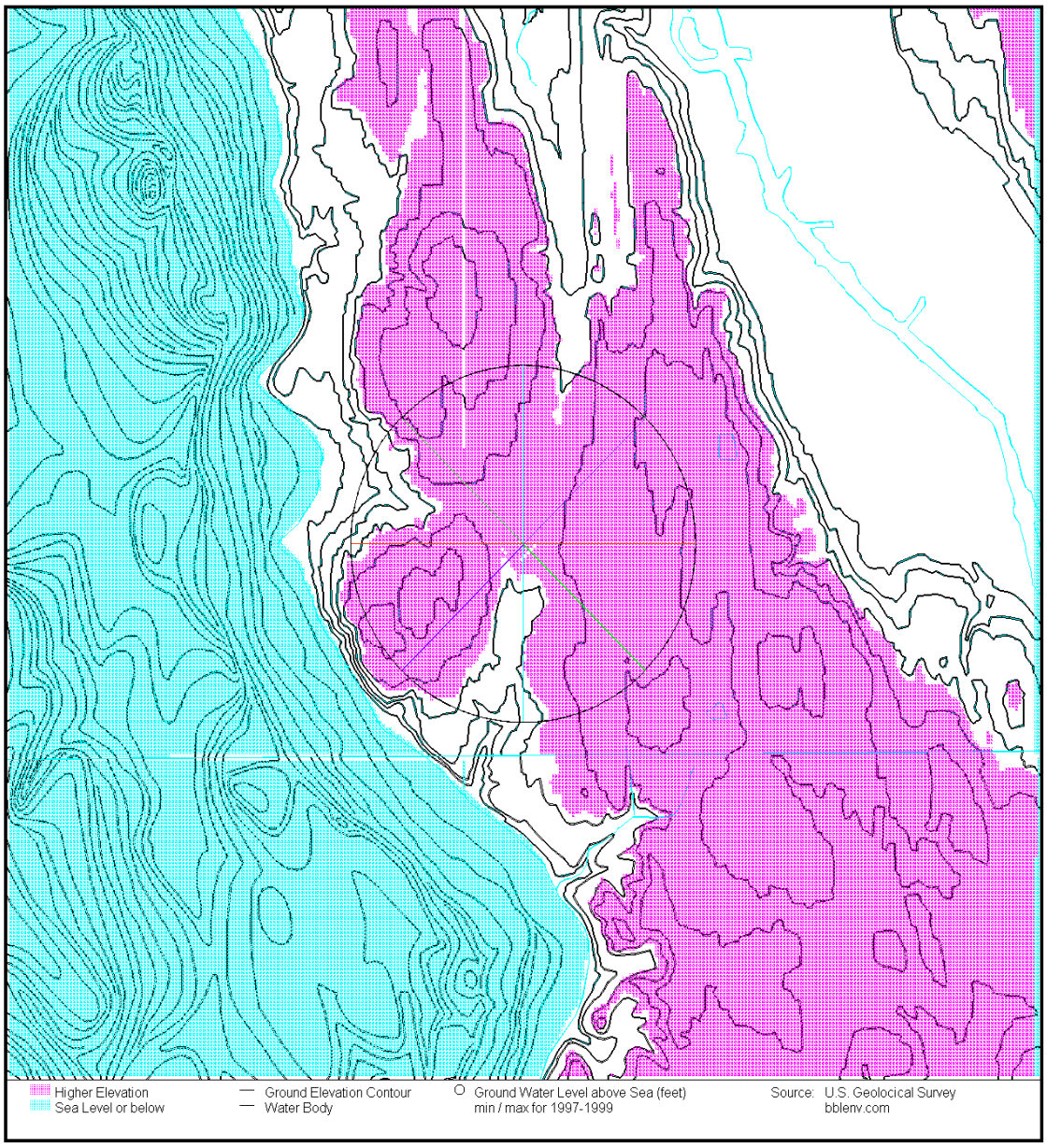
<2	pCi/L	97.2%
2-4	pCi/L	0.9 %
4-8	pCi/L	1.9 %
8-20	pCi/L	0.0 %
20 >	pCi/L	0.0%

Scale: 1.6 inches to 1/2 mile

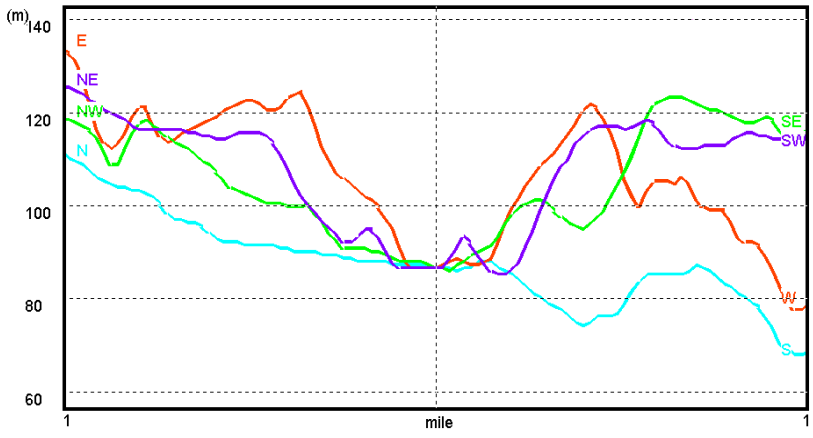
UTM North is straight up

Source: U.S. Dept of Interior, Geological Survey

TOPOGRAPHIC MAP OF THE VICINITY OF THE SUBJECT SITE LOCATED AT 2805 SW ROXBURY, SEATTLE



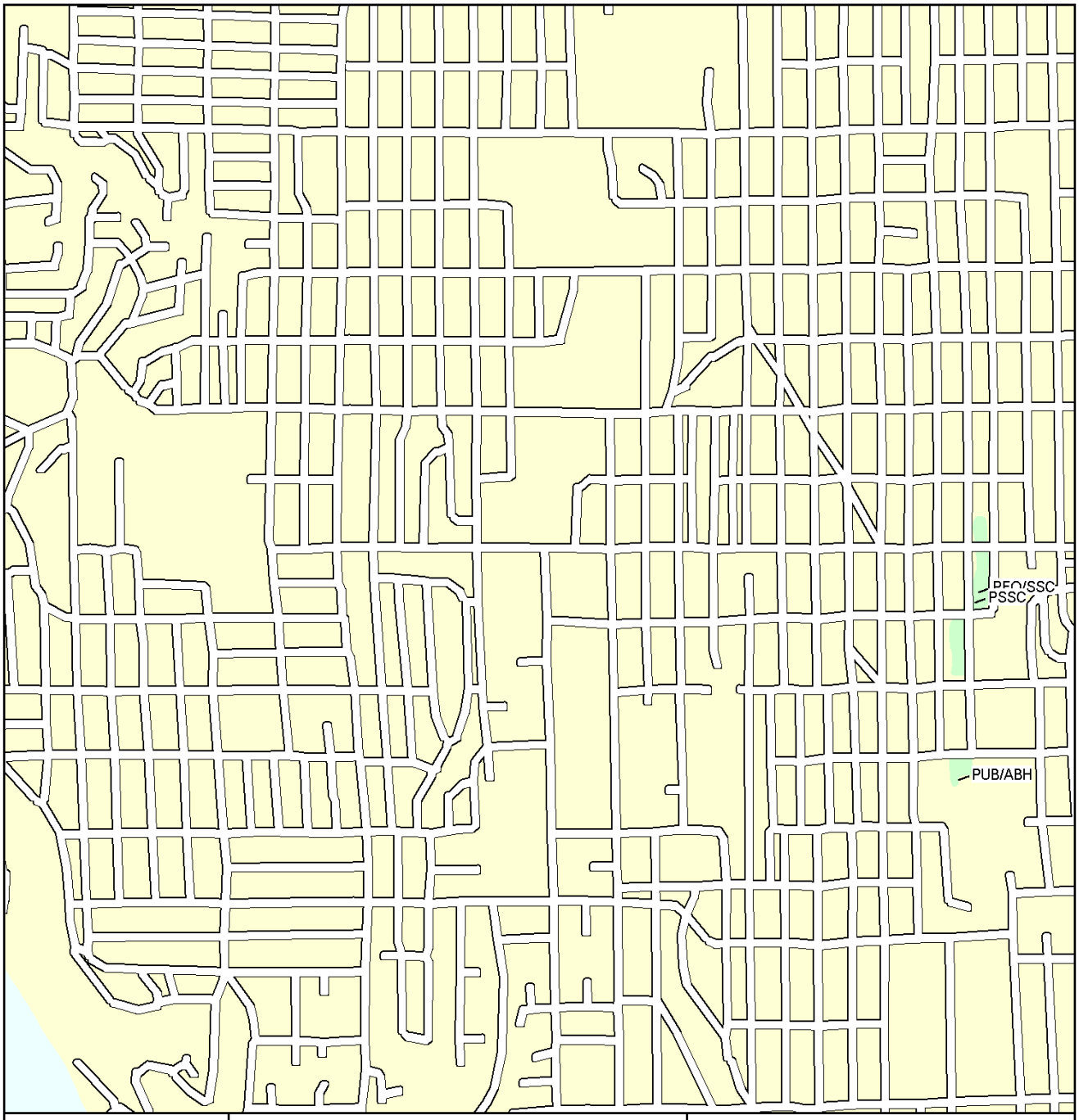
Elevation Contour overview map (6*6 mile)



Elevation Profiles (±1 mile)

CONTOUR DATA IN THE VICINITY OF THE SUBJECT SITE LOCATED AT
2805 SW ROXBURY, SEATTLE

05-22-2005 DL121038



CLASSES

E	ESTAURINE	
1	Subtidal	
2	Intertidal	
P	PALUSTRINE	
R	RIVERINE	
1	Tidal	
2	Lower perennial	
3	Upper Perennial	
4	Intermittent	
5	Unknown Perenni	
M	MARINE	
1	Subtidal	
2	Intertidal	
L	LACUSTRINE	
1	Limnetic	
2	Littoral	
U	UPLAND	

SUBCLASSES

RB	rock bottom	RF	reef
RS	rocky shore	1	mollusc/coral
1	bedrock	2	worm
2	boulder	OW	open water
6	vegetated non pioneer	AB	aquatic bed
FL	flat	1	"submergent algal
SB	stream bed	2	submergent vascular
BB	beach bar	3	submergent moss
UB	unconsolidated bottom	4	floating leaved
US	unconsolidated shore	5	floating
1	cobble/gravel	6	unknown submergent
2	sand	7	unknown surface
3	mud	SS	scrub shrub
4	organic	FD	forested
5	vegetated pioneer	1	broad leaved deciduous
6	vegetated non pioneer	2	needle leaved deciduous
EM	emergent	3	broad leaved evergreen
1	persistent	4	needle leaved evergreen
2	nonpersistent	5	dead
3	narrow leaved nonpersistent	6	deciduous
4	broad leaved nonpersistent	7	evergreen
5	narrow leaved persistent	ML	moss / lichen
6	broad leaved persistent		

MODIFIERS

A	temporary	1	hyperthaline
B	saturated	2	euhaline
C	seasonal	3	mixohaline
D	seasonal well drained	4	polyhaline
E	seasonal saturated	5	mesohaline
F	semipermanent	6	oligohaline
G	intermittently exposed	7	hypersaline
H	permanent	8	eusaline
J	intermittently flooded	9	mixosaline
K	artificial	0	fresh
L	subtidal	a	acid
M	irregularly exposed	t	circumneutral
N	regular	l	alkaline
P	irregular	g	organic
R	seasonal tidal	n	mineral
S	temporary tidal	b	beaver
T	semipermanent tidal	d	partially drained
V	permanent tidal	f	farmed
Z	interm. exposed permanent	h	diked impounded
W	interm. flooded temporary	r	artificial
Y	saturated semiperm seasonal	s	spoil
U	unknown	x	excavated

source: USDI Fish & WildLife Service / bblenv.com
Issaquah 07/81

National Wetlands Inventory in the vicinity of the subject site located at
2805 SW ROXBURY, SEATTLE

Scale: 1 inch to 528 feet

UTM North is straight up

Longitude: -122° 22' 2.9"
Latitude: 47° 31' 1.7"

UTM Easting: 547622 meters
UTM Northing: 5262611 meters
UTM Zone: NAD 10

County: KING

Project:
Quadrangle:
Date: 6/13/2002
Film Type: Black & White

Source: U.S. Dept of Interior, Geological Survey

AERIAL PHOTOGRAPH OF THE VICINITY OF THE SUBJECT SITE LOCATED AT 2805 SW ROXBURY, SEATTLE

SENSITIVE RECEPTOR SEARCH

SUMMARY

OFF-SITE SENSITIVE RECEPTORS Page: 1
121038 Date: 05-23-2005
2805 SW ROXBURY, SEATTLE WA Job: DL121038

ADDRESS			CITY	LOCATION	SOURCE	STATUS	PAGE	MAP LOC	DIR	
OFF-SITE SENSITIVE RECEPTORS, WITHIN 600' OF THE SUBJECT SITE										
2805	_	SW ROXBURY	23N/03E-01 NE OF	TEXACO	WL		2	**3**	W	400'
OFF-SITE SENSITIVE RECEPTORS, WITHIN 600' - 1640' OF THE SUBJECT SITE										
9430		30TH AVE SW	SEATTLE	ROXHILL ELEMENTARY SCHOOL	SX		1	**4**	W	700'
10015		28TH AVE SW	SEATTLE	WESTSIDE SCHOOL	SX		1	**5**	S	1300'
				WESTSIDE SCHOOL	SX		1			
				EXPLORER WEST MIDDLE SCHOOL	SX		1			
OFF-SITE SENSITIVE RECEPTORS, WITHIN 1640' - 3280' OF THE SUBJECT SITE										
9450		22ND AVE SW	SEATTLE	COMMUNITY SCHOOL-WEST SEATTLE	SX		1	**6**	E	2100'
10300		28TH AVE SW	SEATTLE	SHOREWOOD CHRISTIAN SCHOOL	SX		1	**7**	S	2100'

LEAKING UNDERGROUND TANKS
121038
2805 SW ROXBURY, SEATTLE WA

Page: 1
Date: 05-23-2005
Job: DL121038

; *ADDRESS* *CITY* *LOCATION* *SOU-RCE* *STA-TUS* *PA GE* *MAP LOC* *DIR* *LOC*

;

LEAKING UNDERGROUND TANKS, WITHIN 600' OF THE SUBJECT SITE

2805	SW ROXBURY ST	SEATTLE	TEXACO 63 232 1432	LUST	2	**1**		
2851	SW ROXBURY ST	SEATTLE	EXXON STATION # 7-7043	LUST	3	**2**	NW	300'

LEAKING UNDERGROUND TANKS, WITHIN 1640' - 3280' OF THE SUBJECT SITE

2721	SW TRENTON ST	SEATTLE	US POSTAL SERVICE WESTWOOD STA	LUST	3	**8**	N	2800'

—

REFERENCED SOURCES

Date: 05-23-2005
Job: DL121038

SX EDUCATIONAL INSTITUTIONS

HX HOSPITALS
WL WATER WELLS
LUST LEAKING UNDERGROUND STORAGE TANKS

INTRODUCTION

BBL has used its best effort but makes no claims as to the completeness or accuracy of the referenced government sources or the completeness of the search. Our records are frequently updated but only as current as their publishing date and may not represent the entire field of known or potential hazardous waste or contaminated sites. To ensure complete coverage of the subject property and surrounding area, sites may be included in the list if there is any doubt as to the location because of discrepancies in map location, zip code, address, or other information in our sources. For additional information call 858 793-0641.

OFF-SITE SENSITIVE RECEPTORS

SC Schools

Child Care Center, Preschools, Schools & Colleges

This list has been researched within half of a mile radius of the subject site.

Site: ROXHILL ELEMENTARY SCHOOL
Address: 9430 30TH AVE SW
City: SEATTLE
Map Loc: 4 - about 700 feet W of the subject
Status: 821103

Site: WESTSIDE SCHOOL
Address: 10015 28TH AVE SW
City: SEATTLE
Map Loc: 5 - about 1300 feet S of the subject
Status: 821103

Site: WESTSIDE SCHOOL
Address: 10015 28TH AVE SW
City: SEATTLE
Map Loc: 5 - about 1300 feet S of the subject
Status: 835102

Site: EXPLORER WEST MIDDLE SCHOOL
Address: 10015 28TH AVE SW
City: SEATTLE
Map Loc: 5 - about 1300 feet S of the subject
Status: 821103

Site: COMMUNITY SCHOOL-WEST SEATTLE
Address: 9450 22ND AVE SW
City: SEATTLE
Map Loc: 6 - about 2100 feet E of the subject
Status: 835102

Site: SHOREWOOD CHRISTIAN SCHOOL
Address: 10300 28TH AVE SW
City: SEATTLE
Map Loc: 7 - about 2100 feet S of the subject
Status: 821103

HOSP Hospitals

Hospitals and Nursing Care facilities

No listings within half of a mile radius of the subject site.

WASHINGTON STATE SOURCES

WL Washington Water Wells

The Washington Department of Ecology, Water Division,maintains a database of water wells in the State of Washington.

This list has been researched within 1 mile radius of the subject site.

Site: TEXACO
Address: 2805
City: 23N/03E-01 NE OF NW
Map Loc: 3 - about 400 feet W of the subject
Status:
id: 107744

Depth: (blank)
Completed: 8/21/1994

LUST Leaking Underground Storage Tanks (LUST)

Each of the Regional Departments of Ecology maintain a list of Leaking Underground Storage Tanks (LUST)

This list has been researched within half of a mile radius of the subject site.

Site: TEXACO 63 232 1432
Address: 2805 SW ROXBURY ST
City: SEATTLE
Map Loc: 1 - the subject site
Status: - -

id: 7714

A release (#4796) was reported to have occured on 7/7/93 .
Ground water cleanup started on 6/1/95 .
Soil cleanup started on 6/1/95 .

Site: EXXON STATION # 7-7043
Address: 2851 SW ROXBURY ST
City: SEATTLE
Map Loc: 2 - about 300 feet NW of the subject
Status: - -

id: 9516

A release (#2675) was reported to have occured on 10/4/91 .
Ground water awaiting cleanup on 6/1/95 .
Soil awaiting cleanup on 6/1/95 .

Site: US POSTAL SERVICE WESTWOOD STA
Address: 2721 SW TRENTON ST
City: SEATTLE
Map Loc: 8 - about 2800 feet N of the subject
Status: - -

id: 4564

A release (#2389) was reported to have occured on 7/24/91 .
Ground water cleanup started on 6/1/95 .
Soil cleanup started on 6/1/95 .

–

APPENDIX H

TERRESTRIAL ECOLOGICAL EVALUATION

Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION EXCLUSION FORM

Under the Model Toxics Control Act (MTCA), a Terrestrial Ecological Evaluation (TEE) is not required if the Site meets the criteria in WAC 173-340-7491 for an exclusion. If you determine that your Site does not require a TEE, please complete this form and submit it to the Department of Ecology (Ecology) at the appropriate time, either with your VCP Application or with a subsequent request for a written opinion. Please note that exclusion from the TEE does not exclude the Site from an evaluation of aquatic or sediment ecological receptors.

If your Site does not meet the criteria for exclusion under WAC 173-340-7491, then you may have to conduct a simplified TEE in accordance with WAC 173-340-7492 or a site-specific TEE in accordance with WAC 173-340-7493. If you have questions about conducting a simplified or site-specific TEE, please contact the Ecology site manager assigned to your Site or the appropriate Ecology regional office.

Step 1: IDENTIFY HAZARDOUS WASTE SITE AND EVALUATOR

Please identify below the hazardous waste site for which you are documenting an exclusion from conducting a TEE and the name of the person who conducted the evaluation.

Facility/Site Name: Shell-Branded Wholesale Facility	
Facility/Site Address: 2805 Southwest Roxbury Street	
Facility/Site No: 71459562	VCP Project No.: NW2054
Name of Evaluator: Nick Acklam	

Step 2: DOCUMENT BASIS FOR EXCLUSION

The bases for excluding a site from a terrestrial ecological evaluation are set forth in WAC 173-340-7491(1). Please identify below the basis for excluding your Site from further evaluation. Please check all that apply.

POINT OF COMPLIANCE – WAC 173-340-7491(1)(A)

1-☐ No contamination present at site.

2-☐ All contamination is 15 feet below ground level prior to remedial activities.

3-☐ All contamination is six feet below ground level and an institutional control has been implemented as required by WAC 173-340-440.

4-☐ All contamination is below a site-specific point of compliance established in compliance with WAC 173-340-7490(4)(b) with an institutional control implemented as required by WAC 173-340-440. ***Please provide documentation that describes the rationale for setting a site-specific point of compliance.***

BARRIERS TO EXPOSURE – WAC 173-340-7491(1)(b)

5-☐ All contaminated soil, is or will be, covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife and an institutional control has been implemented as required by WAC 173-340-440. *An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.*

Step 2: DOCUMENT BASIS FOR EXCLUSION continued

UNDEVELOPED LAND – WAC 173-340-7491(1)(c)

"Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

"Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

6-☐ There is less than one-quarter acre of contiguous undeveloped land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.

7-☒ For sites not containing any of the chemicals mentioned above, there is less than one-and-a-half acres of contiguous undeveloped land on or within 500 feet of any area of the Site.

BACKGROUND CONCENTRATIONS – WAC 173-340-7491(1)(d)

8-☐ Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

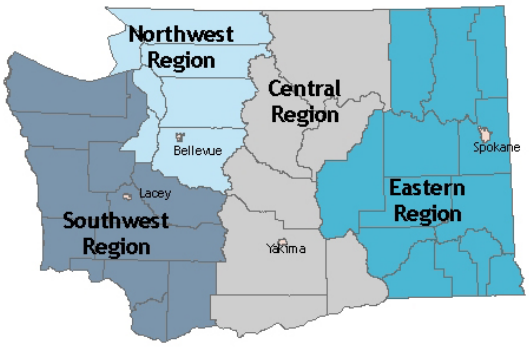
Step 3: PROVIDE EXPLANATION FOR EXCLUSION (IF NECESSARY)

The site is fully paved with asphalt or concrete. None of the chemicals listed in point 6 (above) are present at the site and there is less than one-and-one-half acres of contiguous undeveloped land on or within 500 feet of the any area of the Site (see attached map).

Attach additional pages if necessary.

Step 4: SUBMITTAL

Please mail your completed form to Ecology at the appropriate time, either with your VCP Application or with a subsequent request for a written opinion. If you complete the form after you enter the VCP, please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



Northwest Region: Attn: Sara Maser 3190 160th Ave. SE Bellevue, WA 98008-5452	**Central Region:** Attn: Mark Dunbar 15 W. Yakima Ave., Suite 200 Yakima, WA 98902
Southwest Region: Attn: Scott Rose P.O. Box 47775 Olympia, WA 98504-7775	**Eastern Region:** Patti Carter N. 4601 Monroe Spokane WA 99205-1295

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